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Cover Page

Order ID : Q1488

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
Q1488-01	ENV-101-SB01
Q1488-02	ENV-101-SB01
Q1488-03	ENV-101-SB02
Q1488-04	ENV-101-SB02
Q1488-05	ENV-102-SB01
Q1488-06	ENV-102-SB01
Q1488-07	ENV-102-SB02
Q1488-08	ENV-102-SB02
Q1488-09	ENV-104-SB01
Q1488-10	ENV-104-SB01
Q1488-11	ENV-104-SB02
Q1488-12	ENV-104-SB02
Q1488-13	ENV-102-GW01
Q1488-14	ENV-104-GW01
Q1488-15	TB03042025

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

Signature : _____

Date: 3/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Portal Partners Tri-Venture
Project Name: Amtrak Sawtooth Bridges 2025
Project # N/A
Chemtech Project # Q1488
Test Name: TCLP BNA

A. Number of Samples and Date of Receipt:
12 Solid samples were received on 03/04/2025.
3 Water samples were received on 03/04/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Corrosivity, EPH, EPH, Hexavalent Chromium, Ignitability, Mercury, Metals ICP-TAL, METALS-TAL, PCB, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, SVOC-TCL BNA -20, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, VOC-TCLVOA-10 and VOC-TCLVOA-10. This data package contains results for TCLP BNA.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe samples were analyzed on instrument BNA_G using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of TCLP BNA was based on method 8270E and extraction was done based on method 3510 and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for ENV-101-SB01 [2,4,6-Tribromophenol - 124%], ENV-101-SB01MS [2,4,6-Tribromophenol - 122%], ENV-101-SB01MSD [2,4,6-Tribromophenol - 116%], ENV-101-SB02 [2,4,6-Tribromophenol - 113%], ENV-102-SB01 [2,4,6-Tribromophenol - 119%], ENV-102-SB02 [2,4,6-Tribromophenol - 116%], ENV-104-SB02 [2,4 and6-Tribromophenol - 113%]. these surrogate did not meet the NJDKQP criteria but met the in-house criteria.

The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the acceptable requirements.
The RPD met criteria.

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The Blank Spike met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.

The % RSD is greater than 20% in the Initial Calibration (8270-BF022725.M) for 2,4-Dinitrotoluene, this compound is passing on Linear Regression.

The % RSD is greater than 20% in the Initial Calibration (8270-BG030525.M) for 2,4-Dinitrotoluen this compounds is passing on Linear Regression.

The Continuous Calibration File ID BF141882.D met the requirements except for 2,4-Dinitrotoluene, 2,4,6-Tribromophenol and Nitrobenzene-d5 .The associate samples have no positive hit for these compounds therefore no corrective action was required.
Pentachlorophenol is failing high and associate sample having hit but below CRQL therefore no corrective action taken.
The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <15% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 15% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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

Signature_____

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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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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1488**

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

QA Review Signature: **KORI AMARNATH** **Date:** **03/14/2025**

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LAB CHRONICLE

OrderID:	Q1488	**OrderDate:**	3/4/2025 3:39:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	H31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1488-01	**ENV-101-SB01**	**SOIL**			**03/04/25**			**03/04/25**
			SVOC-TCL BNA -20	8270E		03/05/25	03/06/25	
Q1488-02	**ENV-101-SB01**	**TCLP**			**03/04/25**			**03/04/25**
			TCLP BNA	8270E		03/07/25	03/07/25	
Q1488-03	**ENV-101-SB02**	**SOIL**			**03/04/25**			**03/04/25**
			SVOC-TCL BNA -20	8270E		03/05/25	03/05/25	
Q1488-04	**ENV-101-SB02**	**TCLP**			**03/04/25**			**03/04/25**
			TCLP BNA	8270E		03/07/25	03/10/25	
Q1488-05	**ENV-102-SB01**	**SOIL**			**03/04/25**			**03/04/25**
			SVOC-TCL BNA -20	8270E		03/05/25	03/05/25	
Q1488-06	**ENV-102-SB01**	**TCLP**			**03/04/25**			**03/04/25**
			TCLP BNA	8270E		03/07/25	03/10/25	
Q1488-07	**ENV-102-SB02**	**SOIL**			**03/04/25**			**03/04/25**
			SVOC-TCL BNA -20	8270E		03/05/25	03/06/25	
Q1488-08	**ENV-102-SB02**	**TCLP**			**03/04/25**			**03/04/25**
			TCLP BNA	8270E		03/07/25	03/10/25	
Q1488-09	**ENV-104-SB01**	**SOIL**			**03/04/25**			**03/04/25**
			SVOC-TCL BNA -20	8270E		03/05/25	03/05/25	
Q1488-10	**ENV-104-SB01**	**TCLP**			**03/04/25**			**03/04/25**
			TCLP BNA	8270E		03/07/25	03/10/25	
Q1488-11	**ENV-104-SB02**	**SOIL**			**03/04/25**			**03/04/25**
			SVOC-TCL BNA -20	8270E		03/05/25	03/05/25	
Q1488-12	**ENV-104-SB02**	**TCLP**			**03/04/25**			**03/04/25**

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LAB CHRONICLE

			TCLP BNA	8270E		03/07/25	03/10/25	
Q1488-13	**ENV-102-GW01**	**Water**			**03/04/25**			**03/04/25**
			SVOC-TCL BNA -20	8270E		03/05/25	03/06/25	
Q1488-14	**ENV-104-GW01**	**Water**			**03/04/25**			**03/04/25**
			SVOC-TCL BNA -20	8270E		03/05/25	03/06/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ENV-101-SB01**							
Q1488-02	ENV-101-SB01	TCLP	Pentachlorophenol	42.100	J	18.5	100	ug/L
			Total Svoc :	**42.10**				
			Total Concentration:	**42.10**				



QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167020TB	PB167020TB	2-Fluorophenol	150	144	96		15 (10)	110 (139)
		Phenol-d6	150	139	93		15 (10)	110 (134)
		Nitrobenzene-d5	100	102	102		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.9	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	148	99		15 (44)	110 (137)
		Terphenyl-d14	100	102	102		30 (48)	130 (125)
PB167035BL	PB167035BL	2-Fluorophenol	150	142	95		15 (10)	110 (139)
		Phenol-d6	150	136	90		15 (10)	110 (134)
		Nitrobenzene-d5	100	97.0	97		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.7	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	150	100		15 (44)	110 (137)
		Terphenyl-d14	100	97.7	98		30 (48)	130 (125)
PB167035BS	PB167035BS	2-Fluorophenol	150	139	92		15 (10)	110 (139)
		Phenol-d6	150	137	91		15 (10)	110 (134)
		Nitrobenzene-d5	100	96.8	97		30 (49)	130 (133)
		2-Fluorobiphenyl	100	92.8	93		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	154	102		15 (44)	110 (137)
		Terphenyl-d14	100	97.3	97		30 (48)	130 (125)
Q1488-02	ENV-101-SB01	2-Fluorophenol	150	120	80		15 (10)	110 (139)
		Phenol-d6	150	102	68		15 (10)	110 (134)
		Nitrobenzene-d5	100	113	113		30 (49)	130 (133)
		2-Fluorobiphenyl	100	99.8	100		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	186	124	*	15 (44)	110 (137)
		Terphenyl-d14	100	89.2	89		30 (48)	130 (125)
Q1488-02MS	ENV-101-SB01MS	2-Fluorophenol	150	118	79		15 (10)	110 (139)
		Phenol-d6	150	108	72		15 (10)	110 (134)
		Nitrobenzene-d5	100	110	110		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	182	122	*	15 (44)	110 (137)
		Terphenyl-d14	100	83.1	83		30 (48)	130 (125)
Q1488-02MSD	ENV-101-SB01MSD	2-Fluorophenol	150	122	82		15 (10)	110 (139)
		Phenol-d6	150	110	73		15 (10)	110 (134)
		Nitrobenzene-d5	100	112	112		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	175	116	*	15 (44)	110 (137)
		Terphenyl-d14	100	76.5	76		30 (48)	130 (125)
Q1488-04	ENV-101-SB02	2-Fluorophenol	150	133	89		15 (10)	110 (139)
		Phenol-d6	150	115	76		15 (10)	110 (134)
		Nitrobenzene-d5	100	107	107		30 (49)	130 (133)
		2-Fluorobiphenyl	100	94.7	95		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	170	113	*	15 (44)	110 (137)
		Terphenyl-d14	100	100.0	100		30 (48)	130 (125)
Q1488-06	ENV-102-SB01	2-Fluorophenol	150	138	92		15 (10)	110 (139)
		Phenol-d6	150	119	80		15 (10)	110 (134)
		Nitrobenzene-d5	100	109	109		30 (49)	130 (133)
		2-Fluorobiphenyl	100	102	102		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	178	119	*	15 (44)	110 (137)
		Terphenyl-d14	100	108	108		30 (48)	130 (125)
Q1488-08	ENV-102-SB02	2-Fluorophenol	150	144	96		15 (10)	110 (139)
		Phenol-d6	150	128	86		15 (10)	110 (134)
		Nitrobenzene-d5	100	114	114		30 (49)	130 (133)

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Surrogate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q1488-08	ENV-102-SB02	2-Fluorobiphenyl	100	103	103		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	174	116	*	15 (44)	110 (137)
		Terphenyl-d14	100	105	105		30 (48)	130 (125)
Q1488-10	ENV-104-SB01	2-Fluorophenol	150	139	93		15 (10)	110 (139)
		Phenol-d6	150	121	81		15 (10)	110 (134)
		Nitrobenzene-d5	100	104	104		30 (49)	130 (133)
		2-Fluorobiphenyl	100	96.3	96		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	163	109		15 (44)	110 (137)
		Terphenyl-d14	100	99.1	99		30 (48)	130 (125)
Q1488-12	ENV-104-SB02	2-Fluorophenol	150	141	94		15 (10)	110 (139)
		Phenol-d6	150	124	82		15 (10)	110 (134)
		Nitrobenzene-d5	100	109	109		30 (49)	130 (133)
		2-Fluorobiphenyl	100	99.6	100		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	170	113	*	15 (44)	110 (137)
		Terphenyl-d14	100	106	106		30 (48)	130 (125)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1488-02MS		**Client Sample ID: ENV-101-SB01MS**						**DataFile: BF141893.D**			
Pyridine	500	0	290	ug/L	58				20 (10)	160 (109)	
1,4-Dichlorobenzene	500	0	380	ug/L	76				70 (55)	130 (125)	
2-Methylphenol	500	0	400	ug/L	80				70 (60)	130 (131)	
3+4-Methylphenols	500	0	410	ug/L	82				20 (54)	160 (136)	
Hexachloroethane	500	0	370	ug/L	74				20 (19)	160 (146)	
Nitrobenzene	500	0	450	ug/L	90				70 (62)	130 (112)	
Hexachlorobutadiene	500	0	420	ug/L	84				70 (52)	130 (125)	
2,4,6-Trichlorophenol	500	0	470	ug/L	94				70 (78)	130 (112)	
2,4,5-Trichlorophenol	500	0	500	ug/L	100				70 (71)	130 (111)	
2,4-Dinitrotoluene	500	0	560	ug/L	112				70 (74)	130 (137)	
Hexachlorobenzene	500	0	500	ug/L	100				70 (72)	130 (115)	
Pentachlorophenol	1000	42.1	950	ug/L	91				20 (52)	160 (162)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1488-02MSD		**Client Sample ID: ENV-101-SB01MSD**						**DataFile: BF141894.D**			
Pyridine	500	0	310	ug/L	62		7		20 (10)	160 (109)	20 (20)
1,4-Dichlorobenzene	500	0	380	ug/L	76		0		70 (55)	130 (125)	20 (20)
2-Methylphenol	500	0	390	ug/L	78		3		70 (60)	130 (131)	20 (20)
3+4-Methylphenols	500	0	400	ug/L	80		2		20 (54)	160 (136)	20 (20)
Hexachloroethane	500	0	370	ug/L	74		0		20 (19)	160 (146)	20 (20)
Nitrobenzene	500	0	450	ug/L	90		0		70 (62)	130 (112)	20 (20)
Hexachlorobutadiene	500	0	420	ug/L	84		0		70 (52)	130 (125)	20 (20)
2,4,6-Trichlorophenol	500	0	470	ug/L	94		0		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	500	0	500	ug/L	100		0		70 (71)	130 (111)	20 (20)
2,4-Dinitrotoluene	500	0	560	ug/L	112		0		70 (74)	130 (137)	20 (20)
Hexachlorobenzene	500	0	500	ug/L	100		0		70 (72)	130 (115)	20 (20)
Pentachlorophenol	1000	42.1	990	ug/L	95		4		20 (52)	160 (162)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1488

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BG064075.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167035BS	Pyridine	50	39.2	ug/L	78				20 (29)	160 (97)	
	1,4-Dichlorobenzene	50	41.2	ug/L	82				70 (76)	130 (103)	
	2-Methylphenol	50	45.6	ug/L	91				70 (69)	130 (109)	
	3+4-Methylphenols	50	46.0	ug/L	92				20 (67)	160 (106)	
	Hexachloroethane	50	44.3	ug/L	89				20 (76)	160 (118)	
	Nitrobenzene	50	44.7	ug/L	89				70 (58)	130 (106)	
	Hexachlorobutadiene	50	43.4	ug/L	87				70 (69)	130 (101)	
	2,4,6-Trichlorophenol	50	50.2	ug/L	100				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	48.7	ug/L	97				70 (70)	130 (106)	
	2,4-Dinitrotoluene	50	46.6	ug/L	93				70 (60)	130 (115)	
	Hexachlorobenzene	50	44.7	ug/L	89				70 (73)	130 (106)	
	Pentachlorophenol	100	91.9	ug/L	92				20 (47)	160 (114)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167035BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: BG064074.D Lab Sample ID: PB167035BL

Instrument ID: BNA_G Date Extracted: 03/07/2025

Matrix: (soil/water) water Date Analyzed: 03/10/2025

Level: (low/med) LOW Time Analyzed: 10:03

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167035BS	PB167035BS	BG064075.D	03/10/2025
PB167020TB	PB167020TB	BG064076.D	03/10/2025
ENV-101-SB02	Q1488-04	BG064077.D	03/10/2025
ENV-102-SB01	Q1488-06	BG064078.D	03/10/2025
ENV-102-SB02	Q1488-08	BG064079.D	03/10/2025
ENV-104-SB01	Q1488-10	BG064080.D	03/10/2025
ENV-104-SB02	Q1488-12	BG064081.D	03/10/2025
ENV-101-SB01	Q1488-02	BF141892.D	03/07/2025
ENV-101-SB01MS	Q1488-02MS	BF141893.D	03/07/2025
ENV-101-SB01MSD	Q1488-02MSD	BF141894.D	03/07/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: BF141792.D DFTPP Injection Date: 02/27/2025

Instrument ID: BNA_F DFTPP Injection Time: 14:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.9
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.9
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	46.5
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	6.7
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.1 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141793.D	02/27/2025	15:17
SSTDICC005	SSTDICC005	BF141794.D	02/27/2025	15:46
SSTDICC010	SSTDICC010	BF141795.D	02/27/2025	16:16
SSTDICC020	SSTDICC020	BF141796.D	02/27/2025	16:46
SSTDICCC040	SSTDICCC040	BF141797.D	02/27/2025	17:16
SSTDICC050	SSTDICC050	BF141798.D	02/27/2025	17:46
SSTDICC060	SSTDICC060	BF141799.D	02/27/2025	18:15
SSTDICC080	SSTDICC080	BF141800.D	02/27/2025	18:45

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: BF141881.D DFTPP Injection Date: 03/07/2025

Instrument ID: BNA_F DFTPP Injection Time: 08:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.3
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	33.4
70	Less than 2.0% of mass 69	0.2 (0.8) 1
127	10.0 - 80.0% of mass 198	46.6
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	6.9
275	10.0 - 60.0% of mass 198	29.9
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	16.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 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	BF141882.D	03/07/2025	08:56
ENV-101-SB01	Q1488-02	BF141892.D	03/07/2025	18:01
ENV-101-SB01MS	Q1488-02MS	BF141893.D	03/07/2025	18:30
ENV-101-SB01MSD	Q1488-02MSD	BF141894.D	03/07/2025	18:59

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: BG064044.D DFTPP Injection Date: 03/05/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	55.3
68	Less than 2.0% of mass 69	0.4 (1.1) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	13.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.2 (20.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064045.D	03/05/2025	09:02
SSTDICC005	SSTDICC005	BG064046.D	03/05/2025	09:42
SSTDICC010	SSTDICC010	BG064047.D	03/05/2025	10:22
SSTDICC020	SSTDICC020	BG064048.D	03/05/2025	11:03
SSTDICCC040	SSTDICCC040	BG064049.D	03/05/2025	11:43
SSTDICC050	SSTDICC050	BG064050.D	03/05/2025	12:23
SSTDICC060	SSTDICC060	BG064051.D	03/05/2025	13:04
SSTDICC080	SSTDICC080	BG064052.D	03/05/2025	13:44

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1488 SDG NO.: Q1488

Lab File ID: BG064072.D DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	59.5
68	Less than 2.0% of mass 69	0.5 (1.3) 1
69	Mass 69 relative abundance	40.6
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	48.3
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 60.0% of mass 198	28
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.5 (20) 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	BG064073.D	03/10/2025	09:23
PB167035BL	PB167035BL	BG064074.D	03/10/2025	10:03
PB167035BS	PB167035BS	BG064075.D	03/10/2025	10:44
PB167020TB	PB167020TB	BG064076.D	03/10/2025	11:24
ENV-101-SB02	Q1488-04	BG064077.D	03/10/2025	12:22
ENV-102-SB01	Q1488-06	BG064078.D	03/10/2025	13:03
ENV-102-SB02	Q1488-08	BG064079.D	03/10/2025	13:43
ENV-104-SB01	Q1488-10	BG064080.D	03/10/2025	14:23
ENV-104-SB02	Q1488-12	BG064081.D	03/10/2025	15:04

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/07/2025

Lab File ID: BF141882.D Time Analyzed: 08:56

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	205331	6.887	782990	8.17	424782	9.92
	UPPER LIMIT	410662	7.387	1565980	8.669	849564	10.422
	LOWER LIMIT	102666	6.387	391495	7.669	212391	9.422
	EPA SAMPLE NO.						
01	ENV-101-SB01	140140	6.89	544005	8.16	296494	9.92
02	ENV-101-SB01MS	146872	6.89	566046	8.17	296352	9.92
03	ENV-101-SB01MSD	134345	6.89	510741	8.17	263683	9.92

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: CHEMTECH

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/07/2025

Lab File ID: BF141882.D Time Analyzed: 08:56

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	725251	11.404	490278	14.045	391726	15.516
	UPPER LIMIT	1450500	11.904	980556	14.545	783452	16.016
	LOWER LIMIT	362626	10.904	245139	13.545	195863	15.016
	EPA SAMPLE NO.						
01	ENV-101-SB01	468306	11.40	340144	14.04	371112	15.51
02	ENV-101-SB01MS	482424	11.40	376304	14.05	373298	15.52
03	ENV-101-SB01MSD	403770	11.40	354164	14.04	380393	15.52

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/10/2025

Lab File ID: BG064073.D Time Analyzed: 09:23

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	33051	7.859	147761	10.65	101106	14.49
	UPPER LIMIT	66102	8.359	295522	11.15	202212	14.986
	LOWER LIMIT	16525.5	7.359	73880.5	10.15	50553	13.986
	EPA SAMPLE NO.						
01	PB167035BL	32741	7.86	140985	10.65	98023	14.49
02	PB167035BS	35194	7.86	154810	10.65	106817	14.48
03	PB167020TB	33773	7.86	143930	10.65	102383	14.49
04	ENV-101-SB02	37069	7.87	149931	10.65	95174	14.49
05	ENV-102-SB01	35165	7.86	144374	10.65	92311	14.48
06	ENV-102-SB02	32475	7.86	132840	10.65	88542	14.49
07	ENV-104-SB01	31568	7.86	132922	10.65	86428	14.48
08	ENV-104-SB02	32215	7.86	132011	10.65	87599	14.48

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: CHEMTECH

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG NO.: Q1488

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/10/2025

Lab File ID: BG064073.D Time Analyzed: 09:23

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	218504	17.224	231279	21.46	238878	24.475
	UPPER LIMIT	437008	17.724	462558	21.96	477756	24.975
	LOWER LIMIT	109252	16.724	115640	20.96	119439	23.975
	EPA SAMPLE NO.						
01	PB167035BL	230921	17.22	233034	21.45	246222	24.47
02	PB167035BS	235208	17.23	237204	21.46	255311	24.47
03	PB167020TB	231933	17.22	231627	21.45	250695	24.47
04	ENV-101-SB02	219929	17.22	243609	21.46	255654	24.48
05	ENV-102-SB01	221718	17.22	232567	21.46	240035	24.47
06	ENV-102-SB02	205793	17.23	234830	21.46	245151	24.47
07	ENV-104-SB01	203951	17.23	230232	21.46	240357	24.47
08	ENV-104-SB02	206278	17.23	226436	21.46	234414	24.47

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

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

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



SAMPLE DATA

Raw Data: **BF141892.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-02	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141892.D	1	03/07/25 12:45	03/07/25 18:01	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	42.1	J	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	120		15 (10) - 110 (139)	80%	SPK: 150
13127-88-3	Phenol-d6	102		15 (10) - 110 (134)	68%	SPK: 150
4165-60-0	Nitrobenzene-d5	113		30 (49) - 130 (133)	113%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.8		30 (52) - 130 (132)	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	186	*	15 (44) - 110 (137)	124%	SPK: 150
1718-51-0	Terphenyl-d14	89.2		30 (48) - 130 (125)	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	140000	6.887			
1146-65-2	Naphthalene-d8	544000	8.163			
15067-26-2	Acenaphthene-d10	296000	9.916			
1517-22-2	Phenanthrene-d10	468000	11.404			
1719-03-5	Chrysene-d12	340000	14.039			
1520-96-3	Perylene-d12	371000	15.51			

Raw Data: **BF141892.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-02	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141892.D	1	03/07/25 12:45	03/07/25 18:01	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BF141892.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141892.D
Acq On : 07 Mar 2025 18:01
Operator : RC/JU
Sample : Q1488-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

Quant Time: Mar 07 21:45:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	140140	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	544005	20.000	ng	#-0.01
39) Acenaphthene-d10	9.916	164	296494	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	468306	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	340144	20.000	ng	#-0.01
86) Perylene-d12	15.510	264	371112	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1051857	119.866	ng	0.01
7) Phenol-d6	6.504	99	1170047	102.440	ng	0.00
23) Nitrobenzene-d5	7.445	82	964644	113.345	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	517553	185.933	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1845811	99.822	ng	0.00
79) Terphenyl-d14	12.992	244	1875451	89.207	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	11.204	266	15420	4.209	ng	97

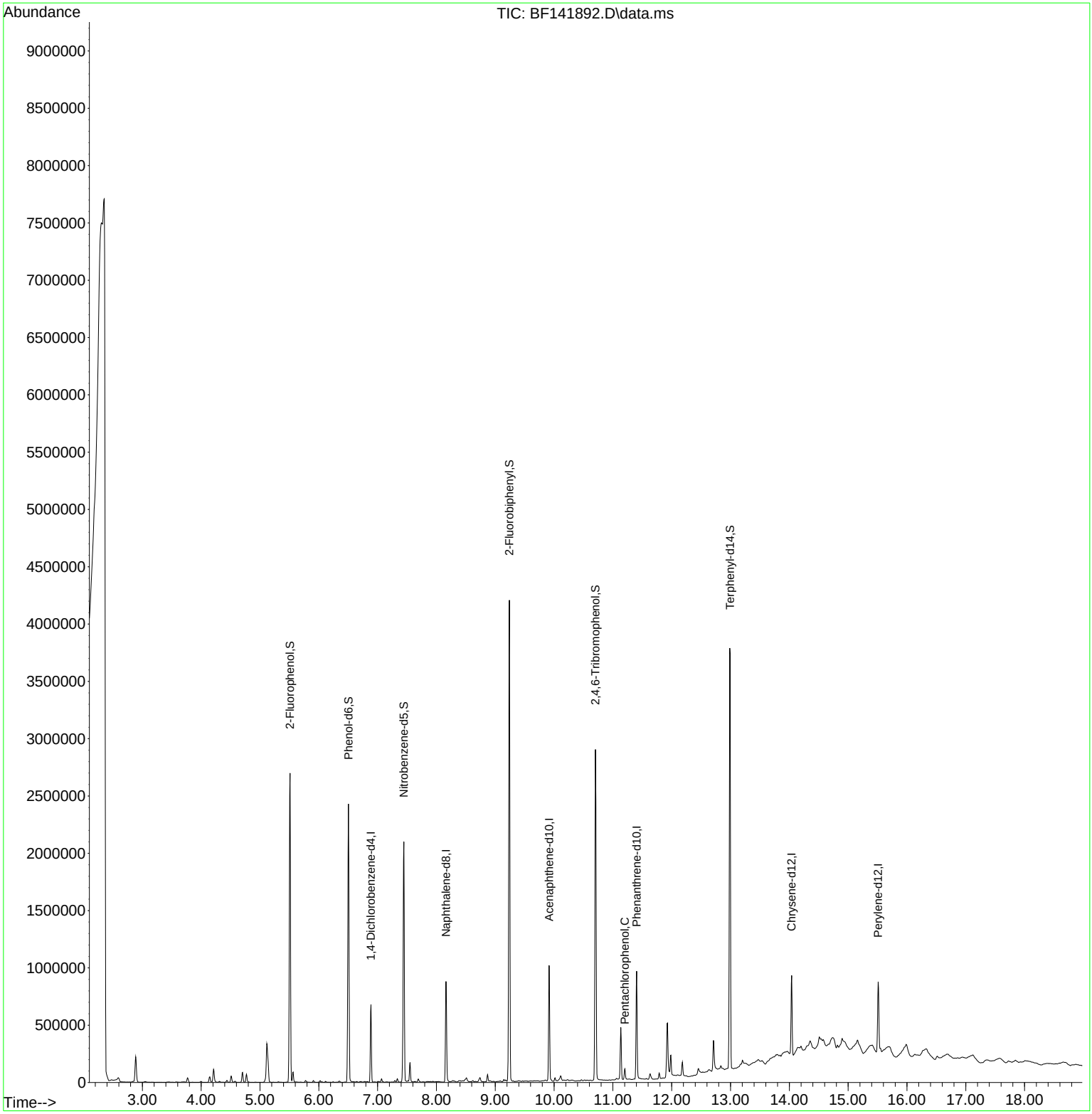
(#) = qualifier out of range (m) = manual integration (+) = signals summed

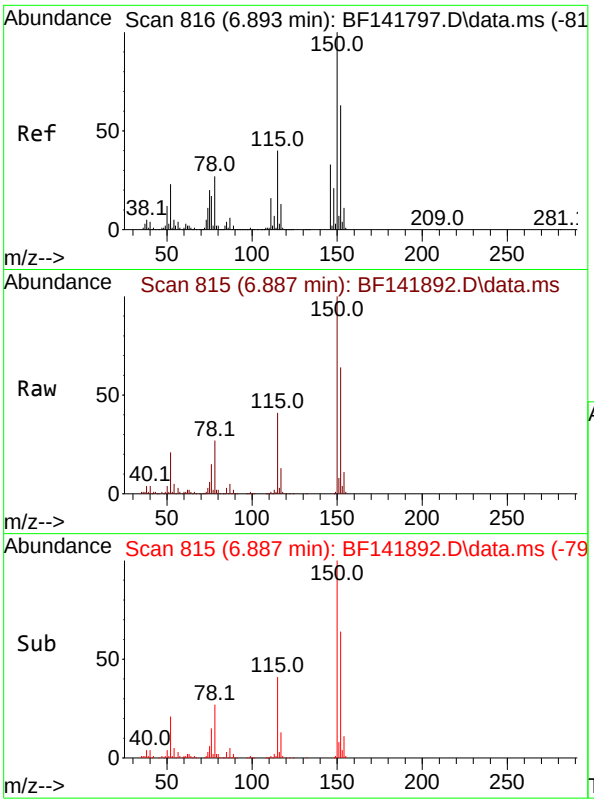
Sample Results: **BF141892.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141892.D
Acq On : 07 Mar 2025 18:01
Operator : RC/JU
Sample : Q1488-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

Quant Time: Mar 07 21:45:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration



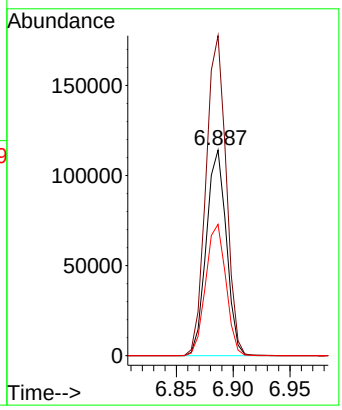


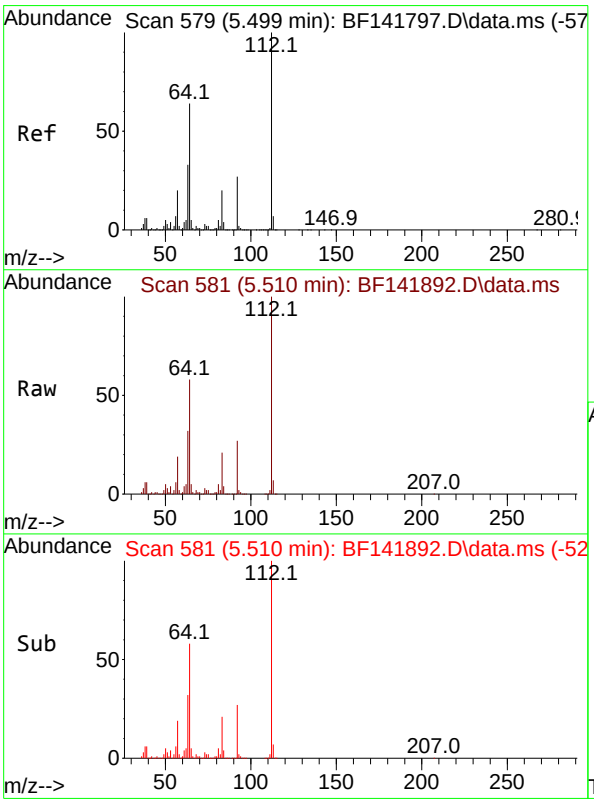
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

Tgt Ion:152 Resp: 140140

Ion	Ratio	Lower	Upper
152	100		
150	155.6	127.5	191.3
115	63.9	51.4	77.2

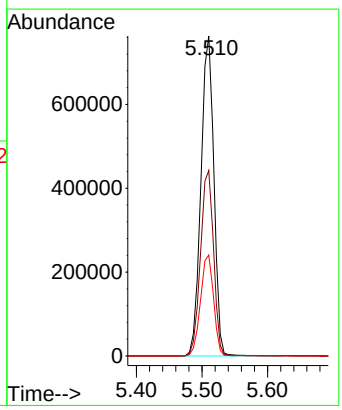


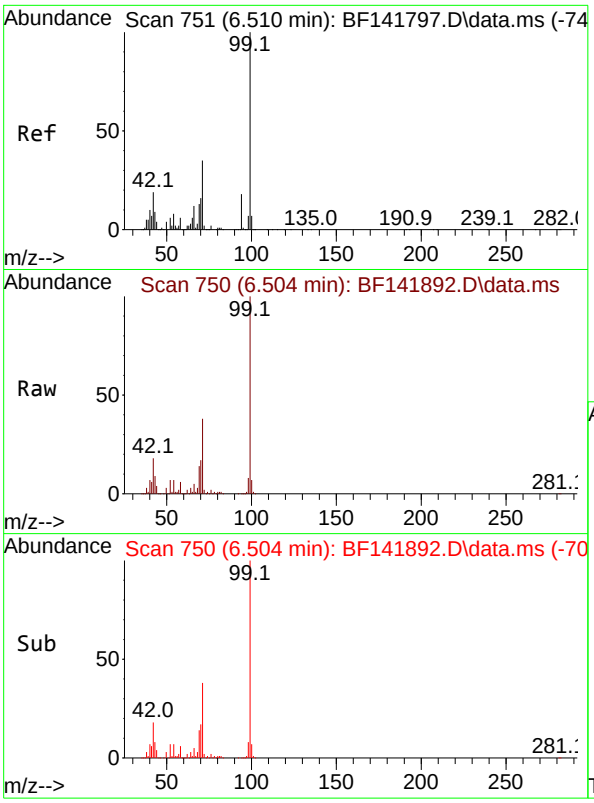


#5
2-Fluorophenol
Concen: 119.866 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Tgt Ion:112 Resp: 1051857

Ion	Ratio	Lower	Upper
112	100		
64	58.0	51.3	76.9
63	31.5	26.2	39.4



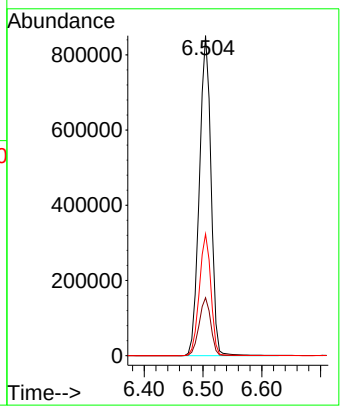


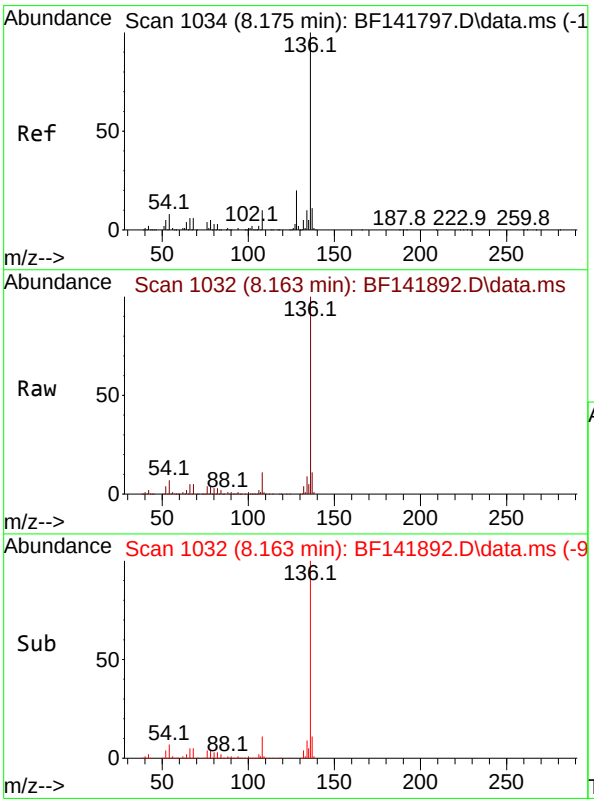
#7
Phenol-d6
Concen: 102.440 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

Tgt Ion: 99 Resp: 1170047

Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.2	22.8
71	38.0	28.2	42.2

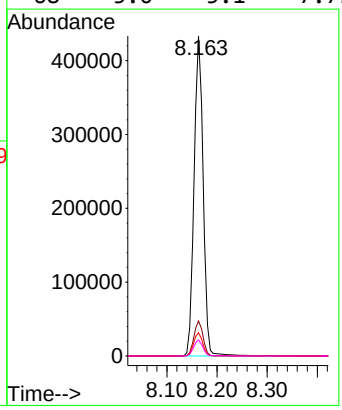


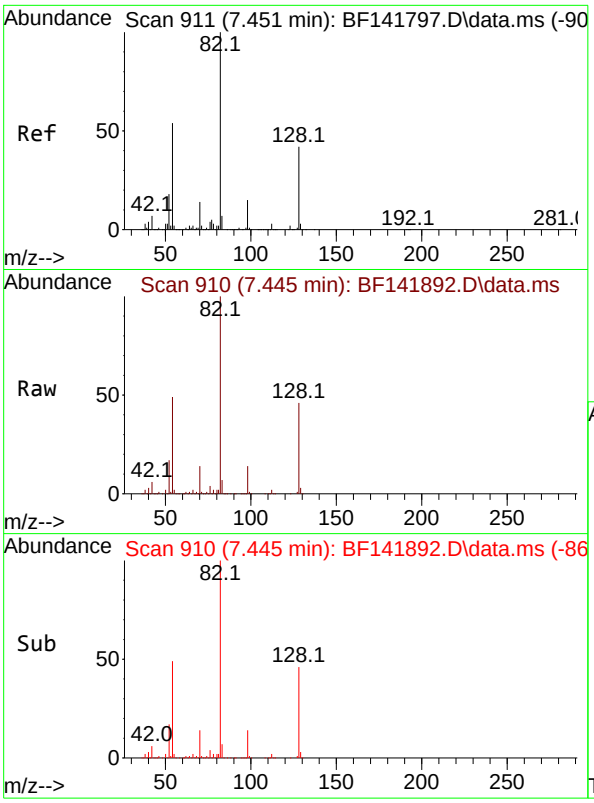


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Tgt Ion:136 Resp: 544005

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.3	6.9	10.3
68	5.0	5.1	7.7#



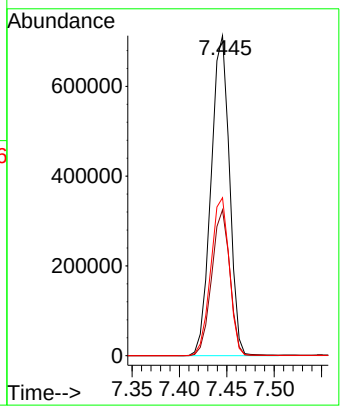


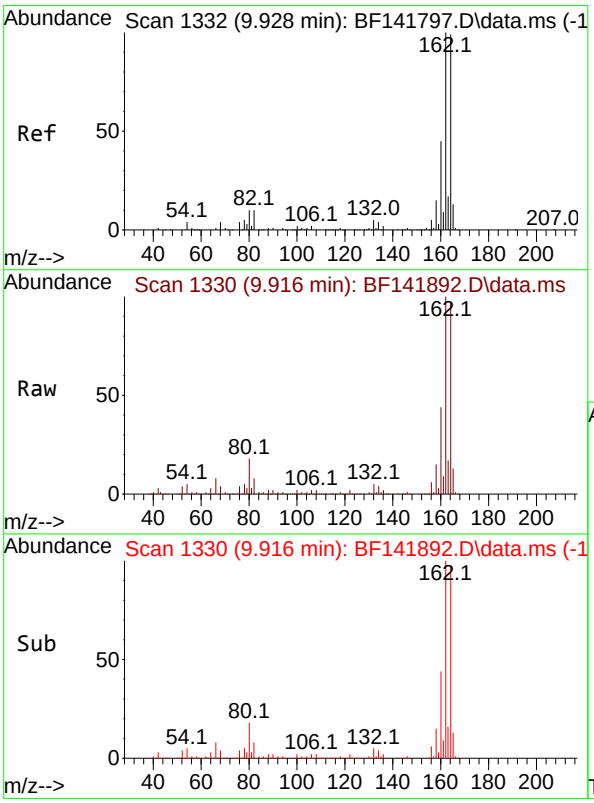
#23
Nitrobenzene-d5
Concen: 113.345 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

Tgt Ion: 82 Resp: 964644

Ion	Ratio	Lower	Upper
82	100		
128	45.5	33.5	50.3
54	49.3	42.7	64.1

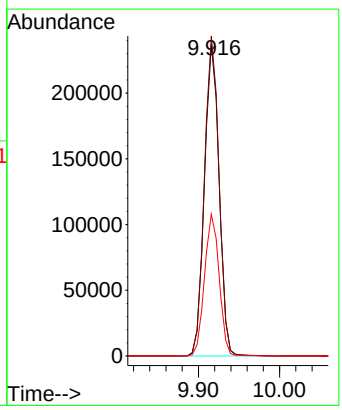


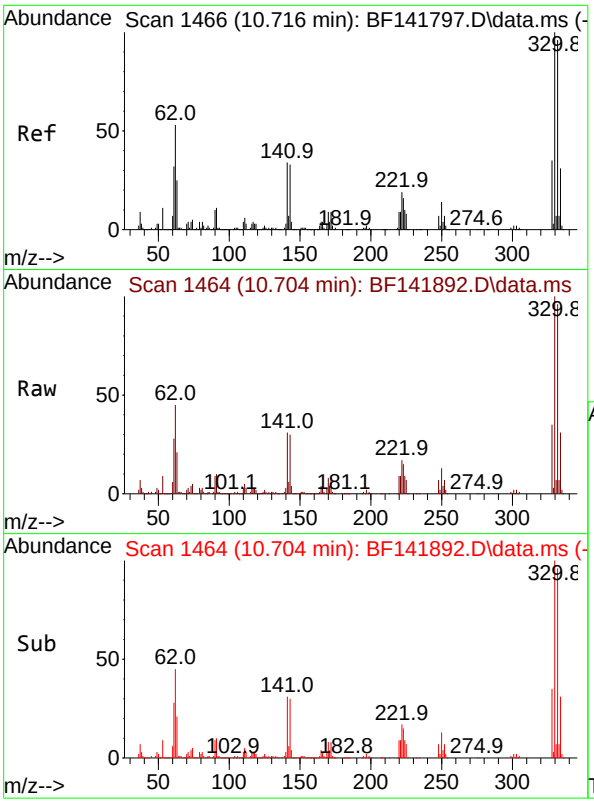


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Tgt Ion:164 Resp: 296494

Ion	Ratio	Lower	Upper
164	100		
162	102.7	80.6	120.8
160	45.5	36.3	54.5



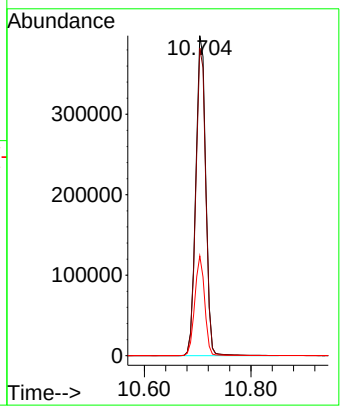


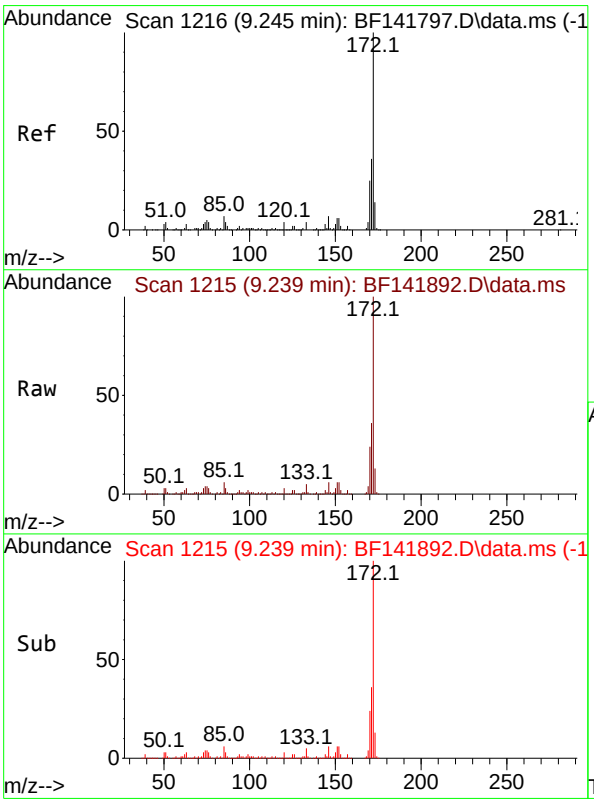
#42
2,4,6-Tribromophenol
Concen: 185.933 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

Tgt Ion:330 Resp: 517553

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	30.8	29.0	43.4

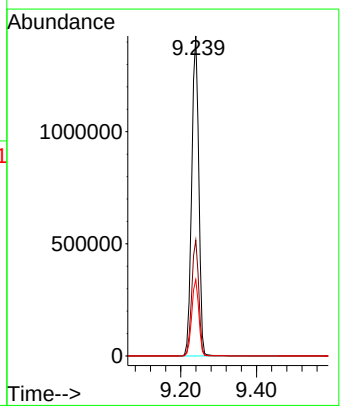


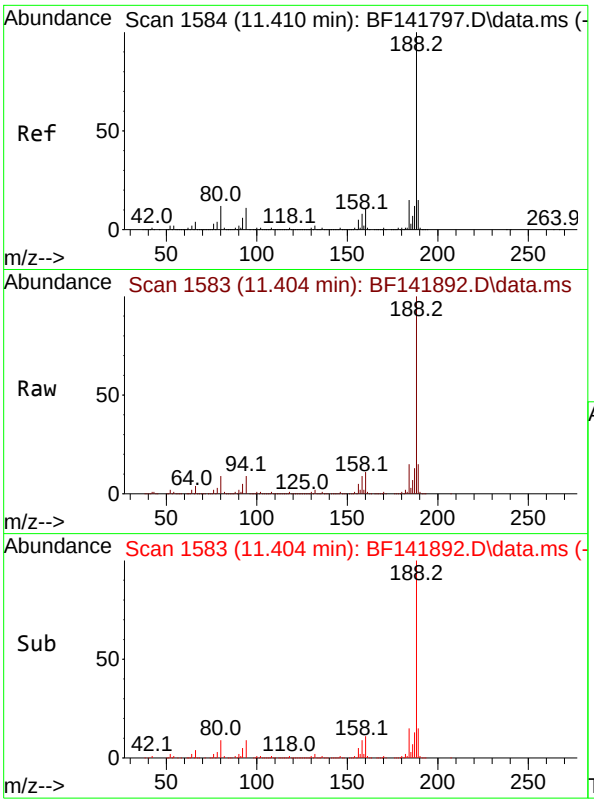


#45
2-Fluorobiphenyl
Concen: 99.822 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Tgt Ion:172 Resp: 1845811

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.2	43.8
170	23.8	19.7	29.5



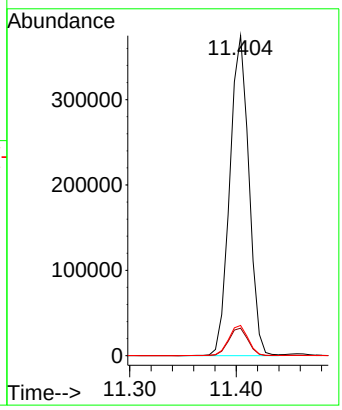


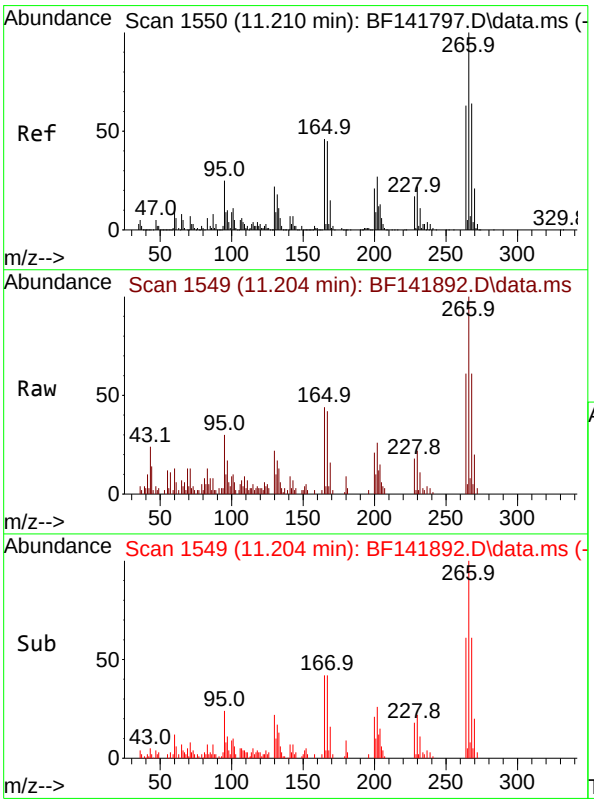
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

Tgt Ion:188 Resp: 468306

Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.9	13.3#
80	9.4	9.7	14.5#

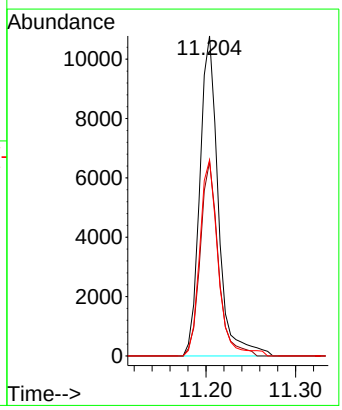


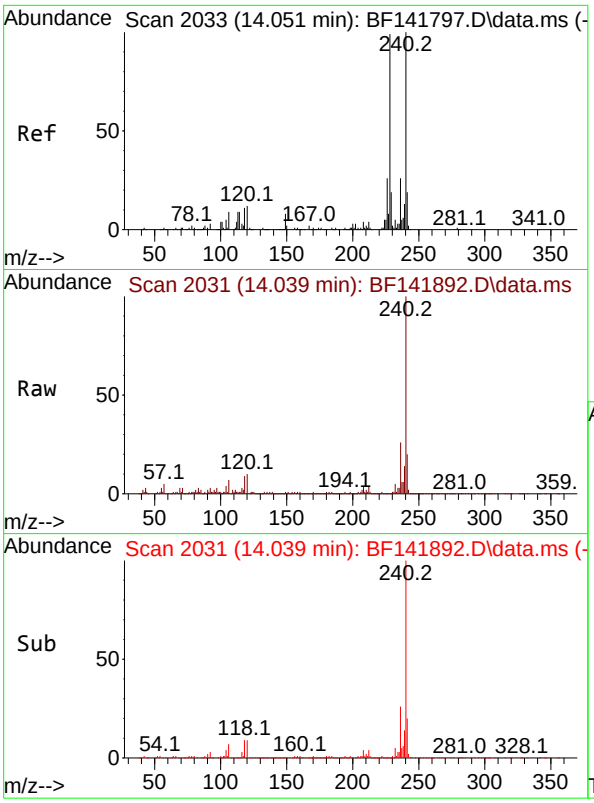


#70
Pentachlorophenol
Concen: 4.209 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Tgt Ion:266 Resp: 15420

Ion	Ratio	Lower	Upper
266	100		
268	60.8	50.9	76.3
264	61.3	50.2	75.4



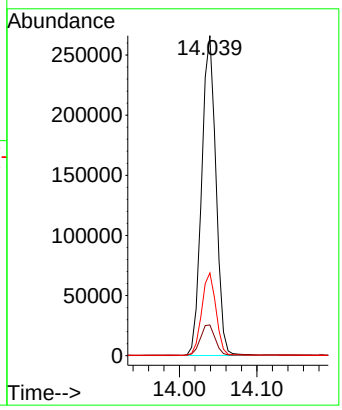


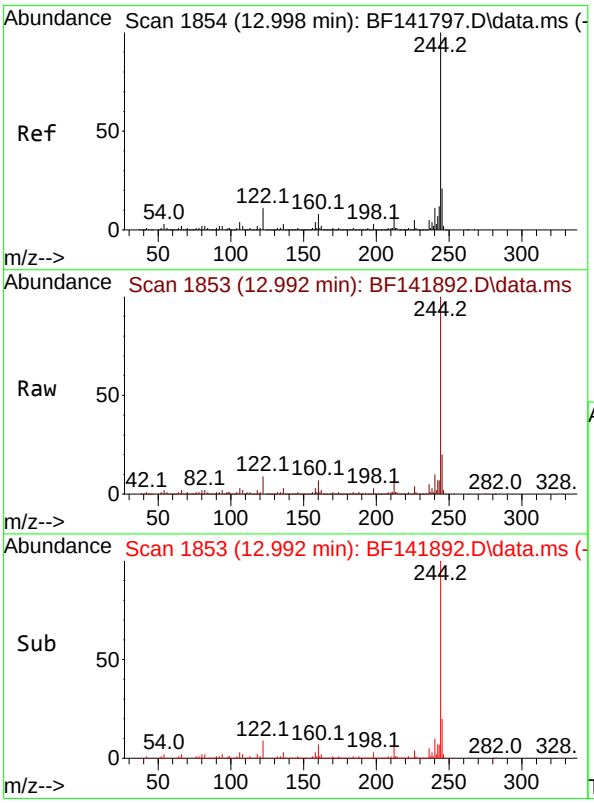
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

Tgt Ion:240 Resp: 340144

Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.7	14.5#
236	25.9	21.0	31.4

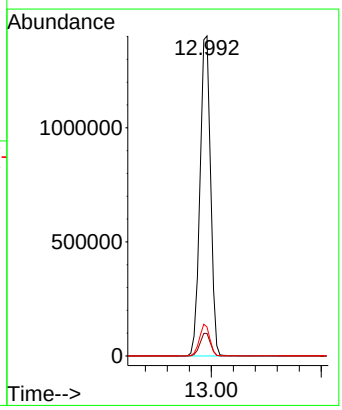


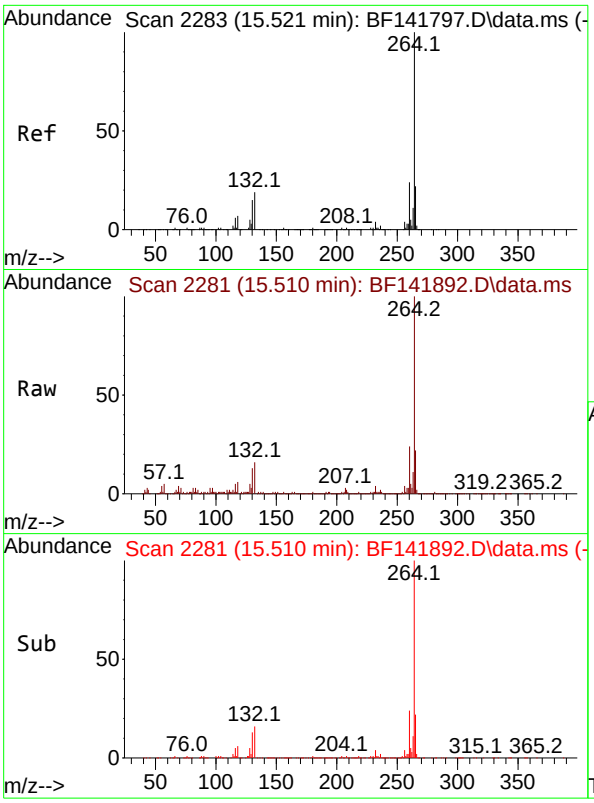


#79
Terphenyl-d14
Concen: 89.207 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Tgt Ion:244 Resp: 1875451

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	9.1	9.0	13.6



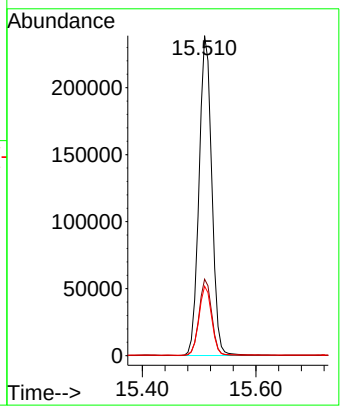


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141892.D
Acq: 07 Mar 2025 18:01

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01

Tgt Ion:264 Resp: 371112

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	21.7	17.4	26.0



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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064077.D	1	03/07/25 12:45	03/10/25 12:22	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	133		15 (10) - 110 (139)	89%	SPK: 150
13127-88-3	Phenol-d6	115		15 (10) - 110 (134)	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	107		30 (49) - 130 (133)	107%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.7		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	170	*	15 (44) - 110 (137)	113%	SPK: 150
1718-51-0	Terphenyl-d14	100.0		30 (48) - 130 (125)	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	37100	7.865			
1146-65-2	Naphthalene-d8	150000	10.65			
15067-26-2	Acenaphthene-d10	95200	14.487			
1517-22-2	Phenanthrene-d10	220000	17.224			
1719-03-5	Chrysene-d12	244000	21.455			
1520-96-3	Perylene-d12	256000	24.475			

Raw Data: **BG064077.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-04	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064077.D	1	03/07/25 12:45	03/10/25 12:22	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BG064077.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064077.D
Acq On : 10 Mar 2025 12:22
Operator : RC/JU
Sample : Q1488-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-101-SB02

Quant Time: Mar 10 14:01:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

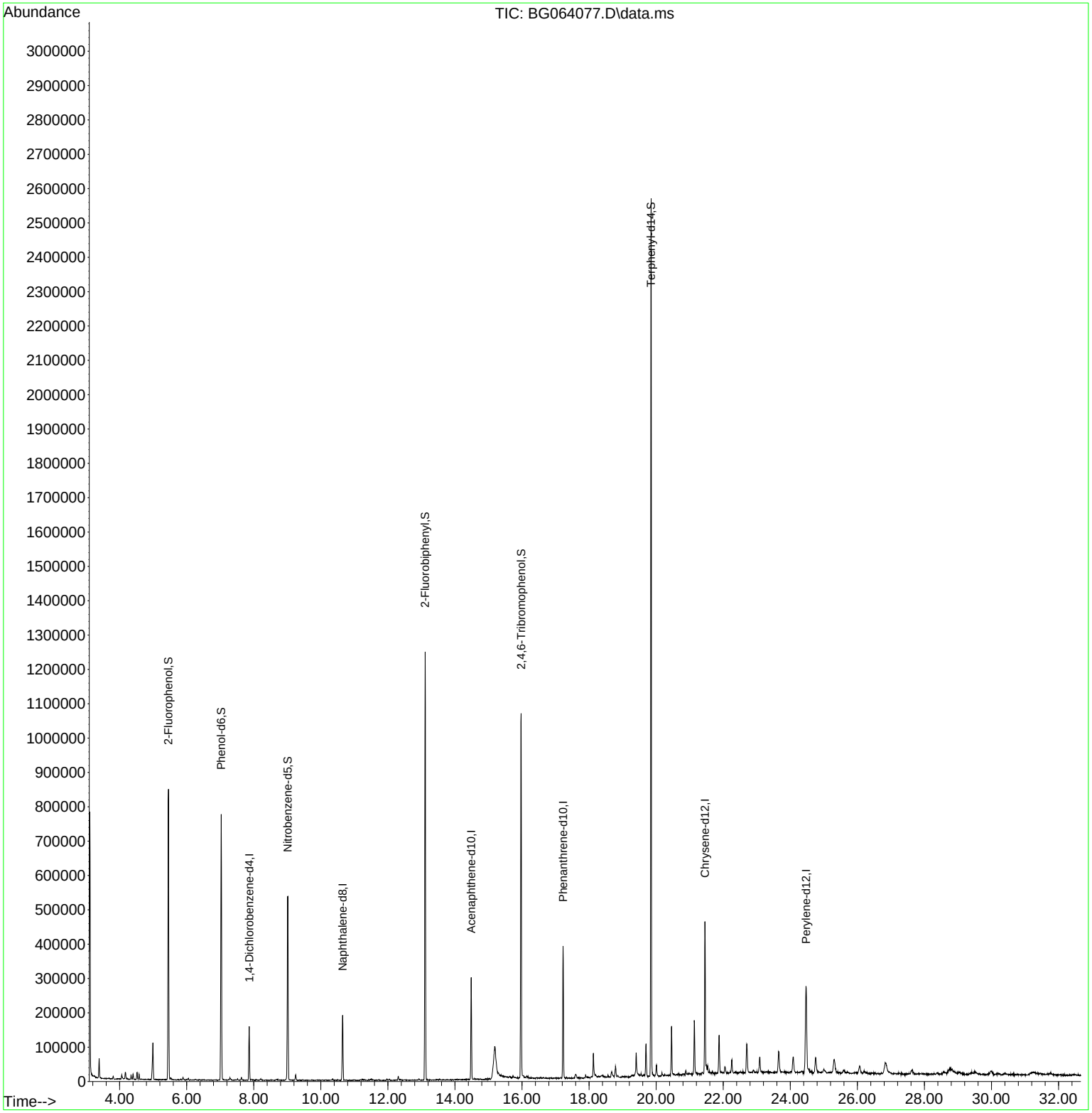
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	37069	20.000	ng	0.00
21) Naphthalene-d8	10.650	136	149931	20.000	ng	0.00
39) Acenaphthene-d10	14.487	164	95174	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	219929	20.000	ng	0.00
76) Chrysene-d12	21.455	240	243609	20.000	ng	0.00
86) Perylene-d12	24.475	264	255654	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.456	112	315892	133.062	ng	0.00
7) Phenol-d6	7.031	99	370340	114.671	ng	0.00
23) Nitrobenzene-d5	9.016	82	289407	106.670	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	180035	170.177	ng	0.00
45) 2-Fluorobiphenyl	13.112	172	593715	94.689	ng	0.00
79) Terphenyl-d14	19.851	244	1204312	99.960	ng	0.00
Target Compounds						Qvalue

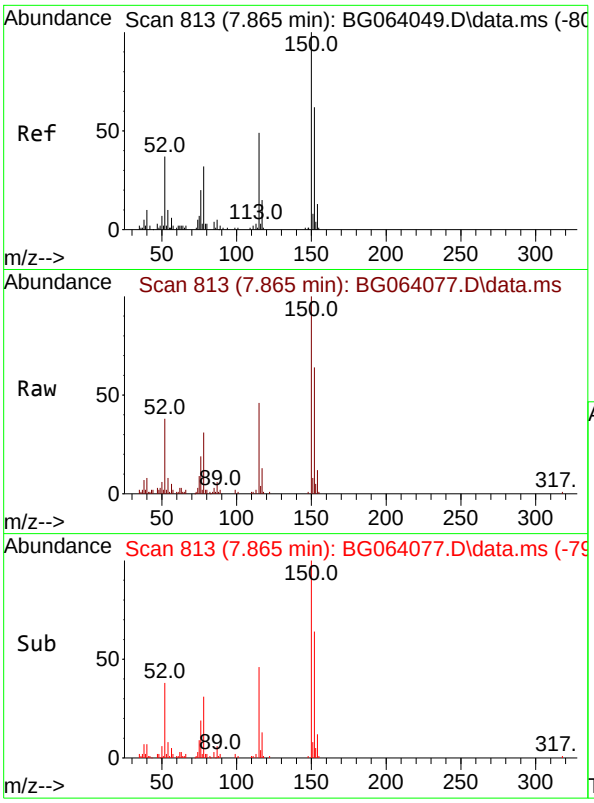
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064077.D
Acq On : 10 Mar 2025 12:22
Operator : RC/JU
Sample : Q1488-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-101-SB02

Quant Time: Mar 10 14:01:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



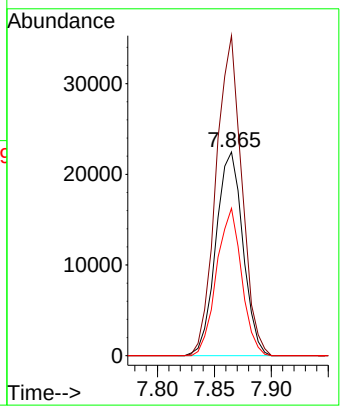


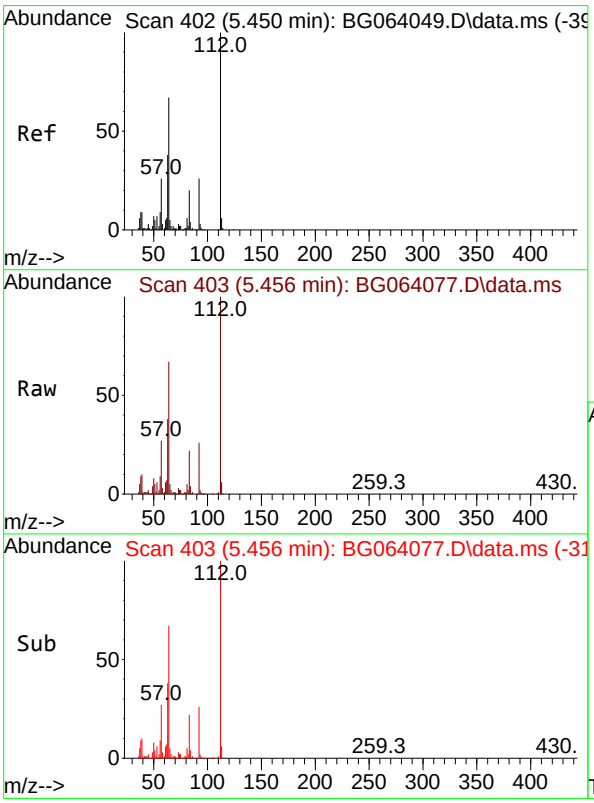
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Instrument :
BNA_G
ClientSampleId :
ENV-101-SB02

Tgt Ion:152 Resp: 37069

Ion	Ratio	Lower	Upper
152	100		
150	157.1	129.2	193.8
115	72.3	63.0	94.6

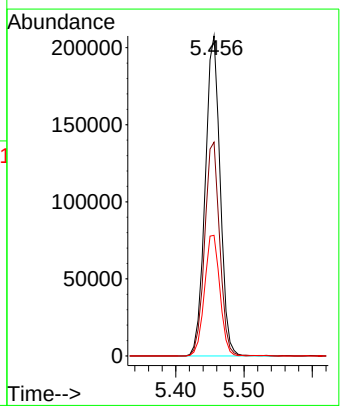


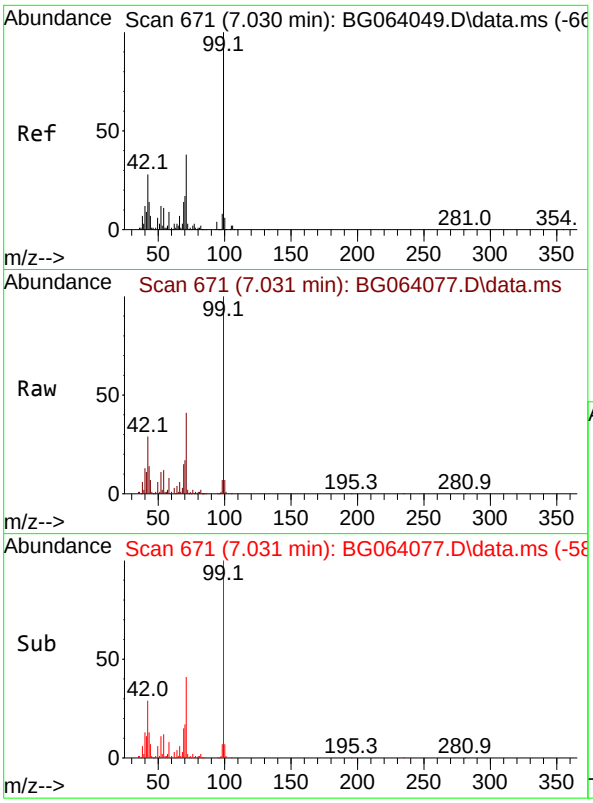


#5
2-Fluorophenol
Concen: 133.062 ng
RT: 5.456 min Scan# 403
Delta R.T. 0.006 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Tgt Ion:112 Resp: 315892

Ion	Ratio	Lower	Upper
112	100		
64	66.8	53.7	80.5
63	37.7	30.2	45.4



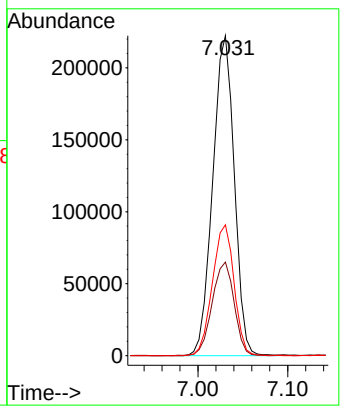


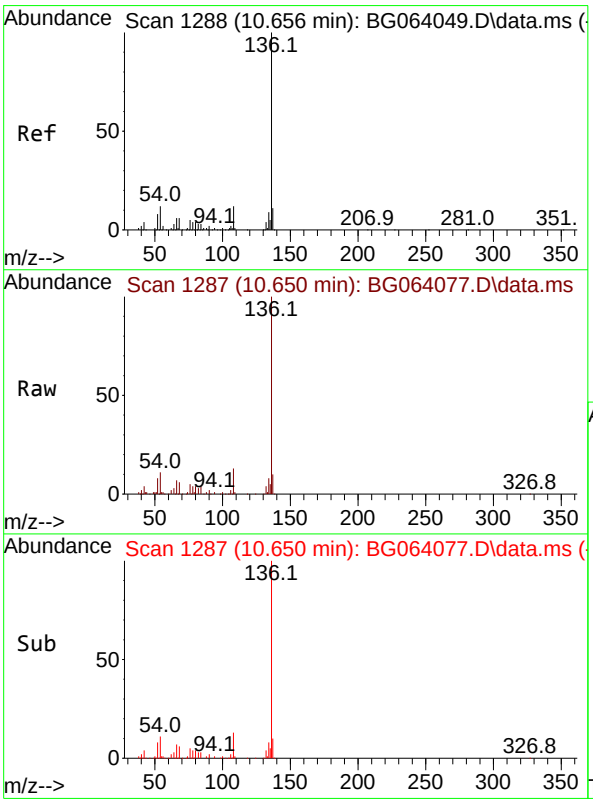
#7
Phenol-d6
Concen: 114.671 ng
RT: 7.031 min Scan# 6
Delta R.T. 0.000 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Instrument :
BNA_G
ClientSampleId :
ENV-101-SB02

Tgt Ion: 99 Resp: 370340

Ion	Ratio	Lower	Upper
99	100		
42	29.2	22.7	34.1
71	40.9	30.6	46.0

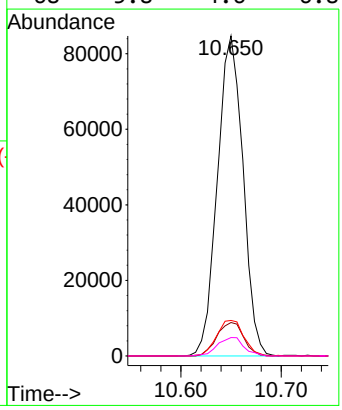


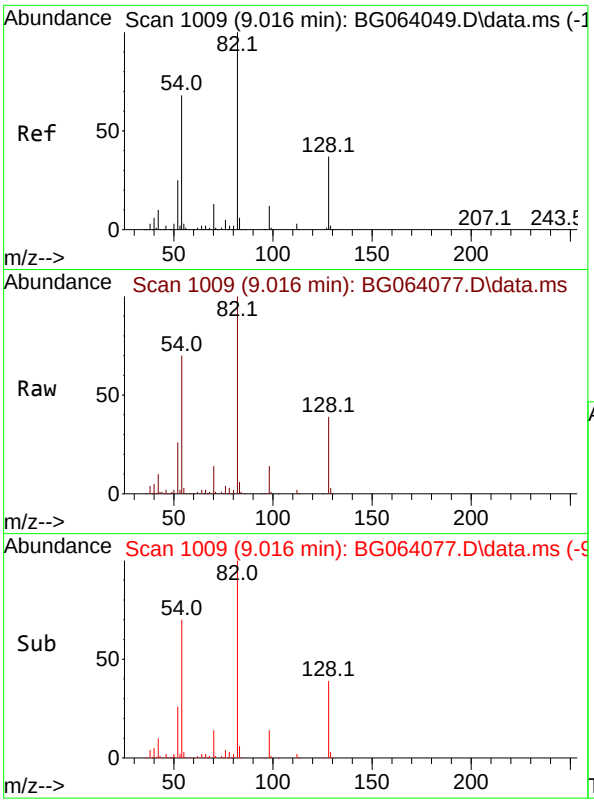


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.650 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Tgt Ion:136 Resp: 149931

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	11.1	9.9	14.9
68	5.8	4.6	6.8



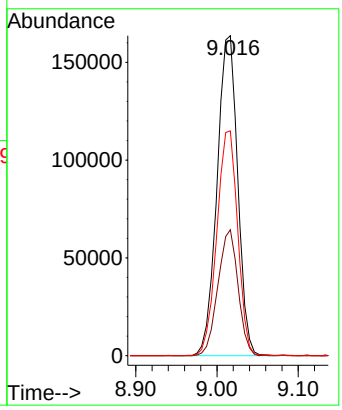


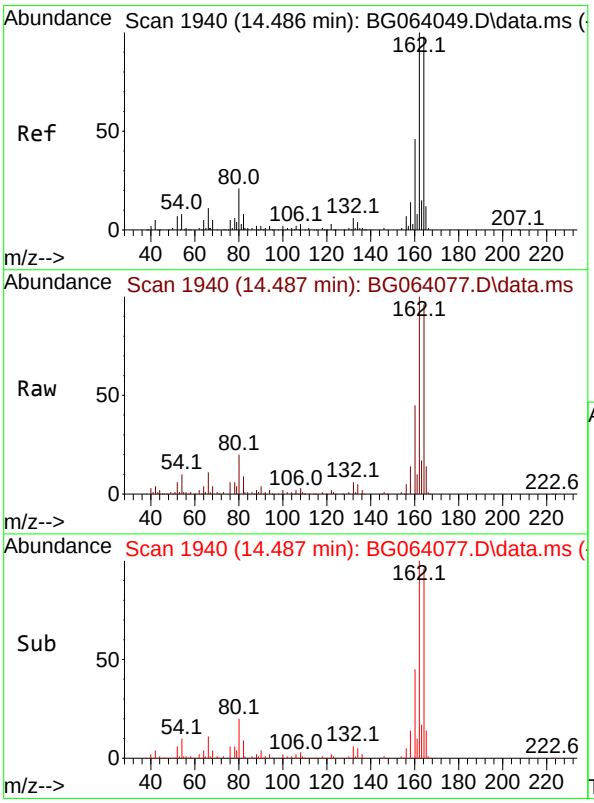
#23
Nitrobenzene-d5
Concen: 106.670 ng
RT: 9.016 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Instrument :
BNA_G
ClientSampleId :
ENV-101-SB02

Tgt Ion: 82 Resp: 289407

Ion	Ratio	Lower	Upper
82	100		
128	39.4	30.0	45.0
54	70.2	54.7	82.1

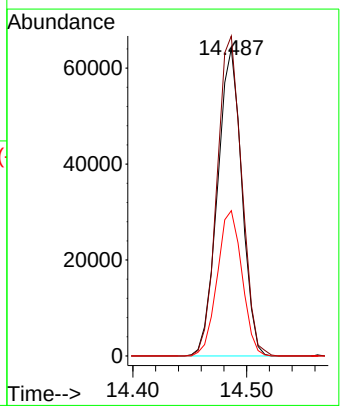


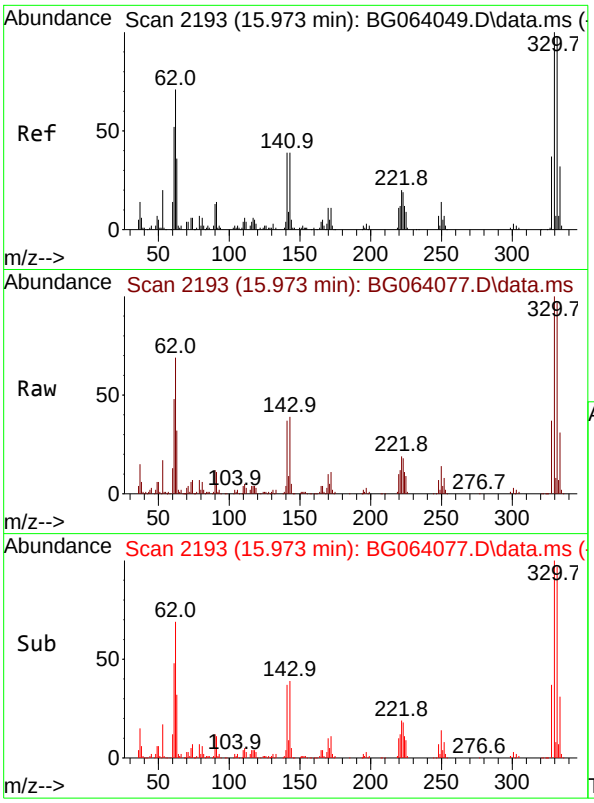


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.487 min Scan# 1940
Delta R.T. 0.001 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Tgt Ion:164 Resp: 95174

Ion	Ratio	Lower	Upper
164	100		
162	104.1	81.4	122.0
160	47.3	37.0	55.6



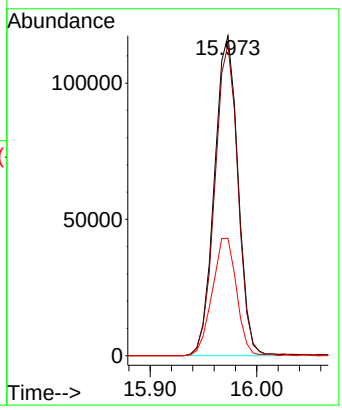


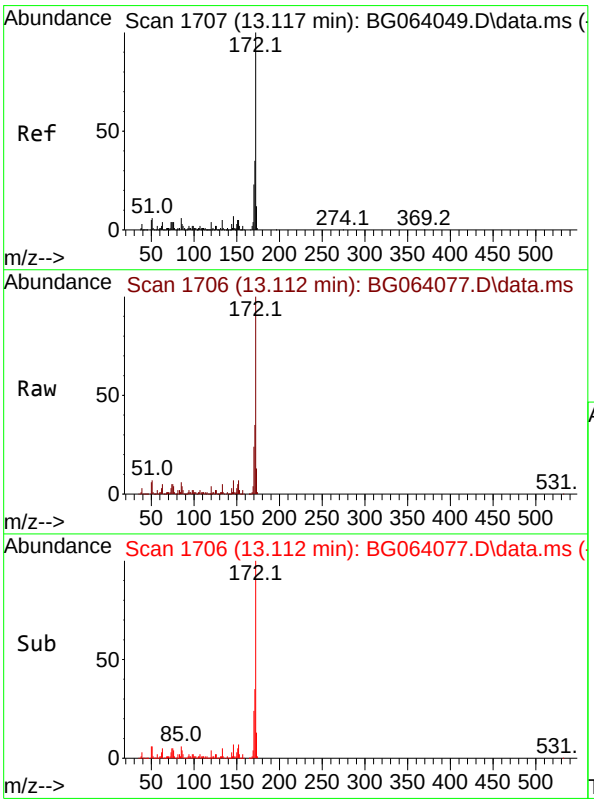
#42
2,4,6-Tribromophenol
Concen: 170.177 ng
RT: 15.973 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Instrument :
BNA_G
ClientSampleId :
ENV-101-SB02

Tgt Ion:330 Resp: 180035

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.7	115.1
141	38.0	29.7	44.5

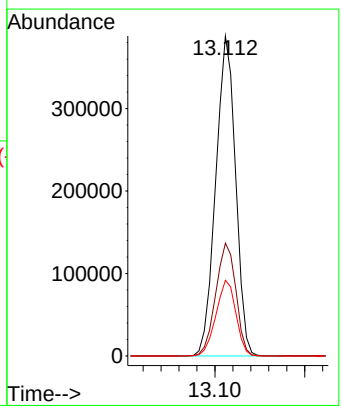


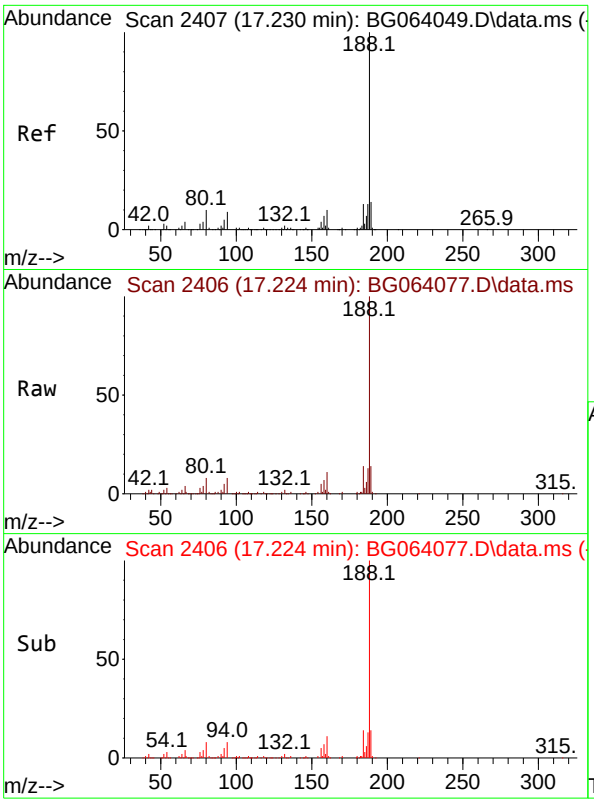


#45
2-Fluorobiphenyl
Concen: 94.689 ng
RT: 13.112 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Tgt Ion:172 Resp: 593715

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.0	42.0
170	23.7	18.7	28.1



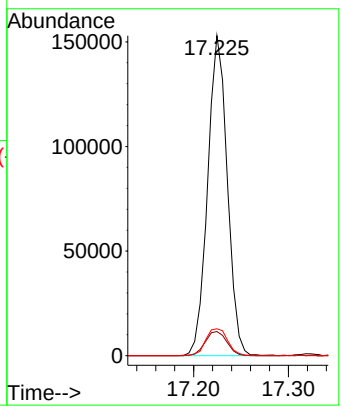


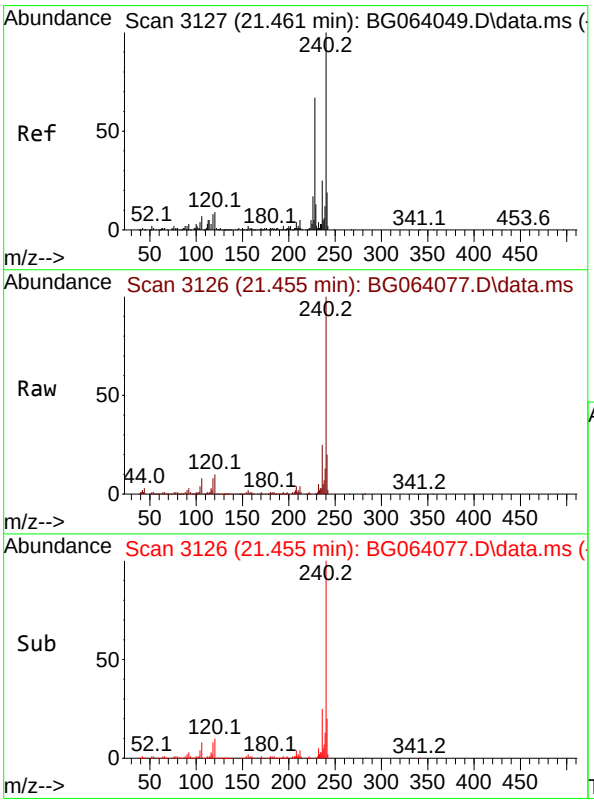
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Instrument :
BNA_G
ClientSampleId :
ENV-101-SB02

Tgt Ion:188 Resp: 219929

Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.9	10.3
80	8.4	8.1	12.1

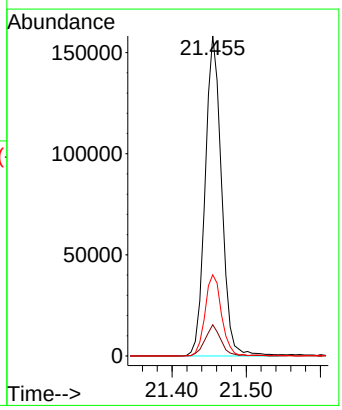


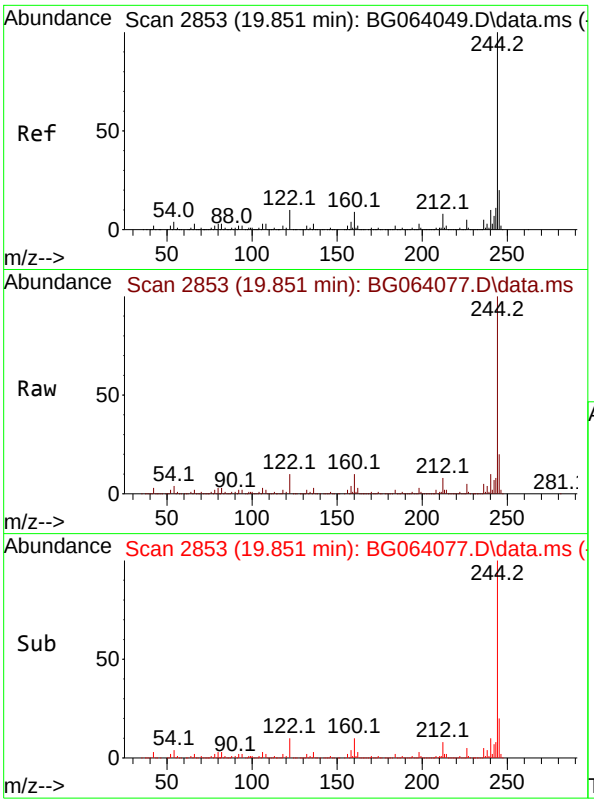


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.455 min Scan# 3126
Delta R.T. -0.006 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Tgt Ion:240 Resp: 243609

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.2	10.8
236	25.3	20.2	30.2



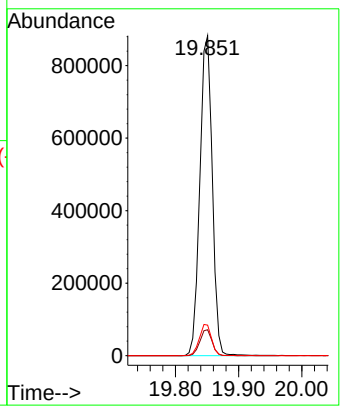


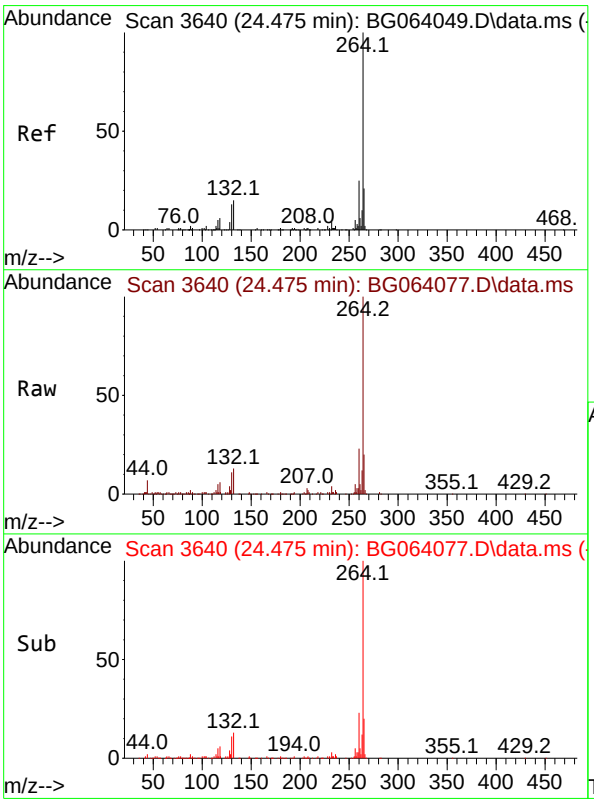
#79
Terphenyl-d14
Concen: 99.960 ng
RT: 19.851 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Instrument :
BNA_G
ClientSampleId :
ENV-101-SB02

Tgt Ion:244 Resp: 1204312

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	9.5	8.0	12.0

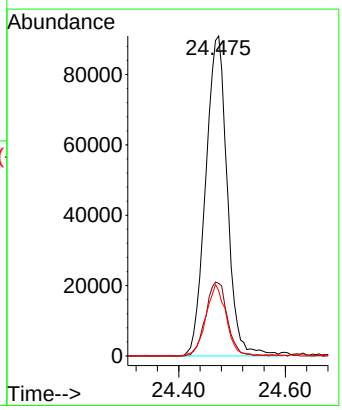




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.475 min Scan# 3640
Delta R.T. 0.000 min
Lab File: BG064077.D
Acq: 10 Mar 2025 12:22

Tgt Ion:264 Resp: 255654

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.6	29.4
265	20.4	16.6	25.0



Raw Data: **BG064078.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-06	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064078.D	1	03/07/25 12:45	03/10/25 13:03	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	138		15 (10) - 110 (139)	92%	SPK: 150
13127-88-3	Phenol-d6	119		15 (10) - 110 (134)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	109		30 (49) - 130 (133)	109%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		30 (52) - 130 (132)	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	178	*	15 (44) - 110 (137)	119%	SPK: 150
1718-51-0	Terphenyl-d14	108		30 (48) - 130 (125)	108%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	35200	7.862			
1146-65-2	Naphthalene-d8	144000	10.652			
15067-26-2	Acenaphthene-d10	92300	14.483			
1517-22-2	Phenanthrene-d10	222000	17.221			
1719-03-5	Chrysene-d12	233000	21.457			
1520-96-3	Perylene-d12	240000	24.472			

Raw Data: **BG064078.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-06	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064078.D	1	03/07/25 12:45	03/10/25 13:03	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BG064078.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064078.D
Acq On : 10 Mar 2025 13:03
Operator : RC/JU
Sample : Q1488-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB01

Quant Time: Mar 10 14:39:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

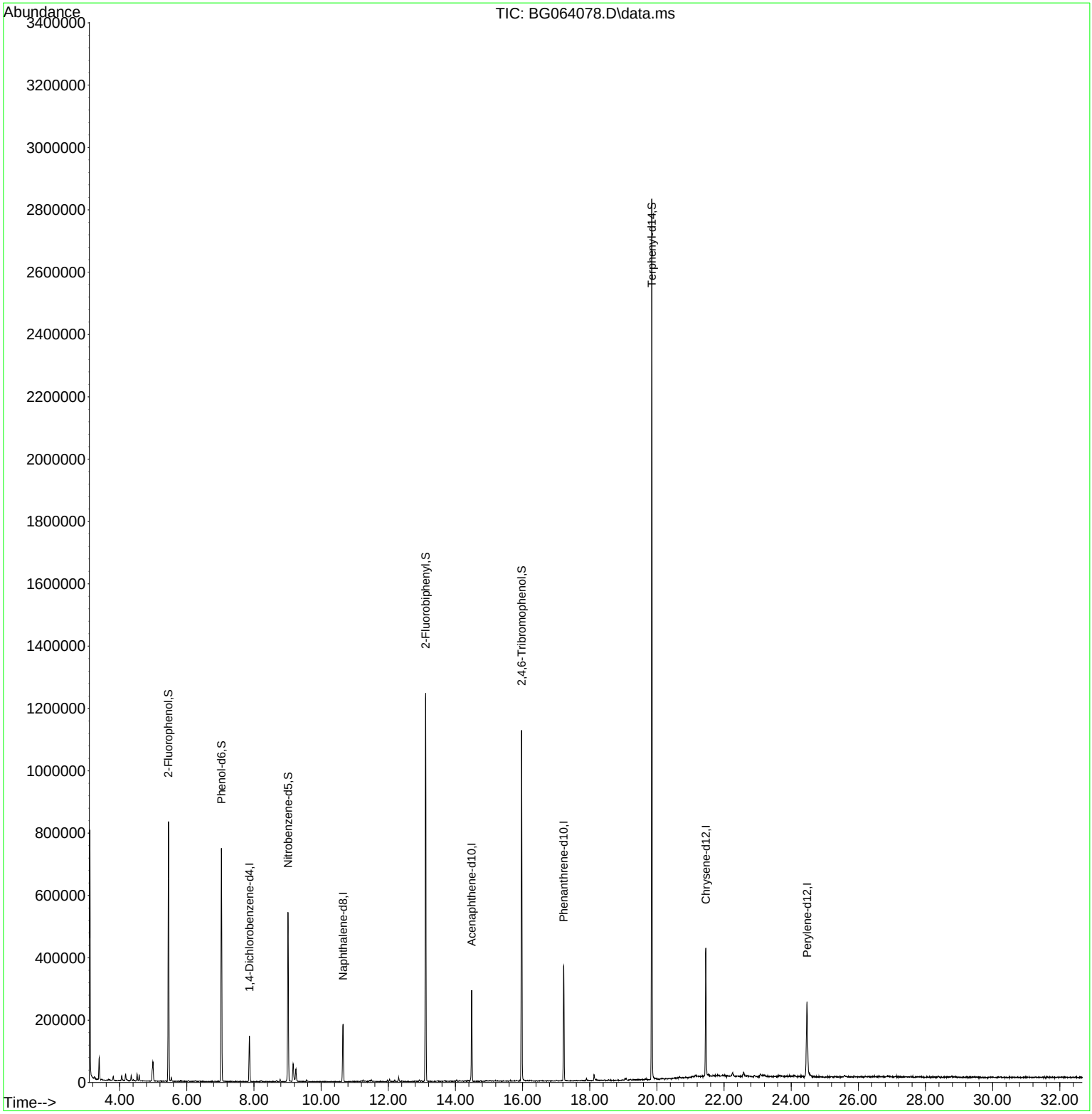
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	35165	20.000	ng	0.00
21) Naphthalene-d8	10.652	136	144374	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	92311	20.000	ng	0.00
64) Phenanthrene-d10	17.221	188	221718	20.000	ng	0.00
76) Chrysene-d12	21.457	240	232567	20.000	ng	0.00
86) Perylene-d12	24.472	264	240035	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.453	112	310073	137.683	ng	0.00
7) Phenol-d6	7.027	99	365905	119.432	ng	0.00
23) Nitrobenzene-d5	9.013	82	285483	109.274	ng	0.00
42) 2,4,6-Tribromophenol	15.970	330	183023	178.367	ng	0.00
45) 2-Fluorobiphenyl	13.114	172	617599	101.553	ng	0.00
79) Terphenyl-d14	19.848	244	1245450	108.283	ng	0.00
Target Compounds						Qvalue

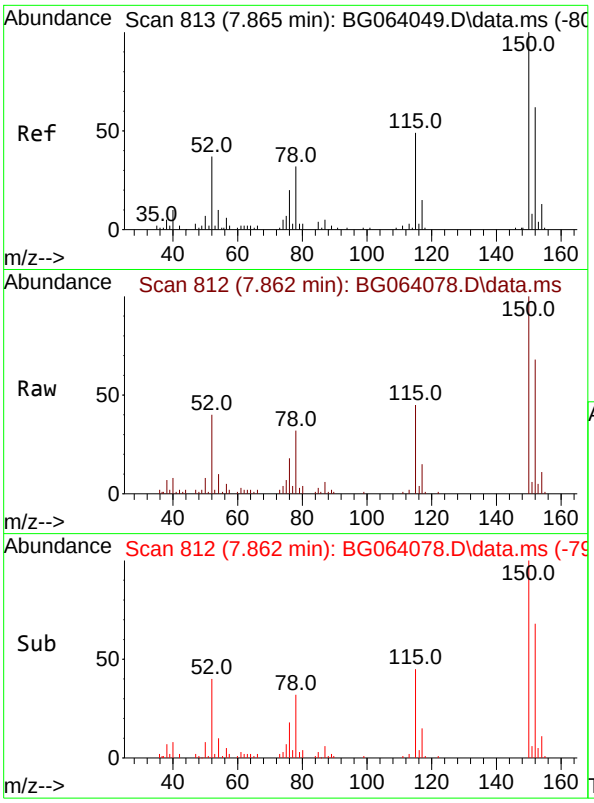
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064078.D
Acq On : 10 Mar 2025 13:03
Operator : RC/JU
Sample : Q1488-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB01

Quant Time: Mar 10 14:39:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



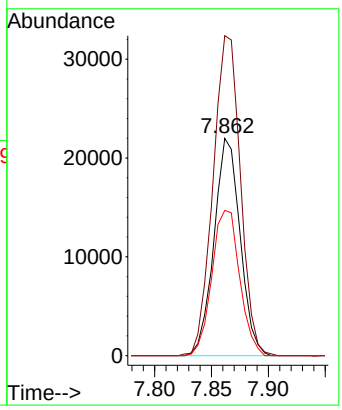


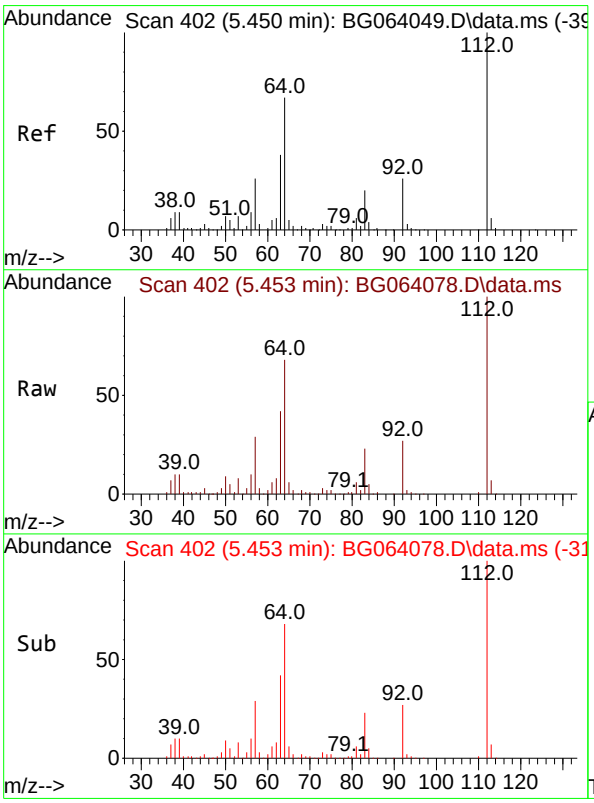
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.862 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB01

Tgt Ion:152 Resp: 35165

Ion	Ratio	Lower	Upper
152	100		
150	147.3	129.2	193.8
115	66.9	63.0	94.6

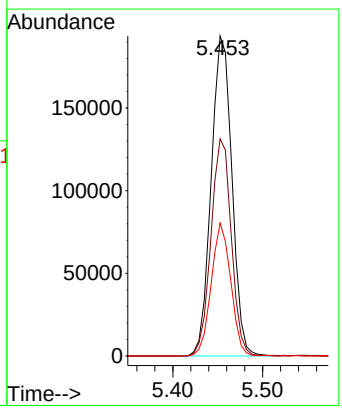


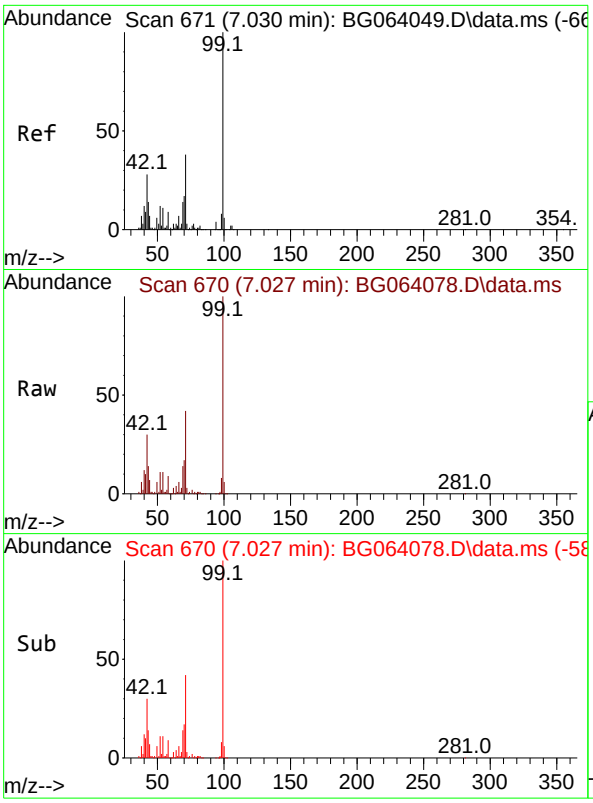


#5
2-Fluorophenol
Concen: 137.683 ng
RT: 5.453 min Scan# 402
Delta R.T. 0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Tgt Ion:112 Resp: 310073

Ion	Ratio	Lower	Upper
112	100		
64	67.9	53.7	80.5
63	41.6	30.2	45.4



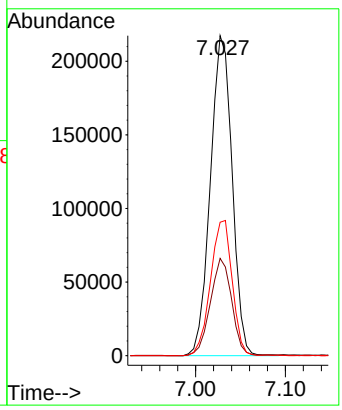


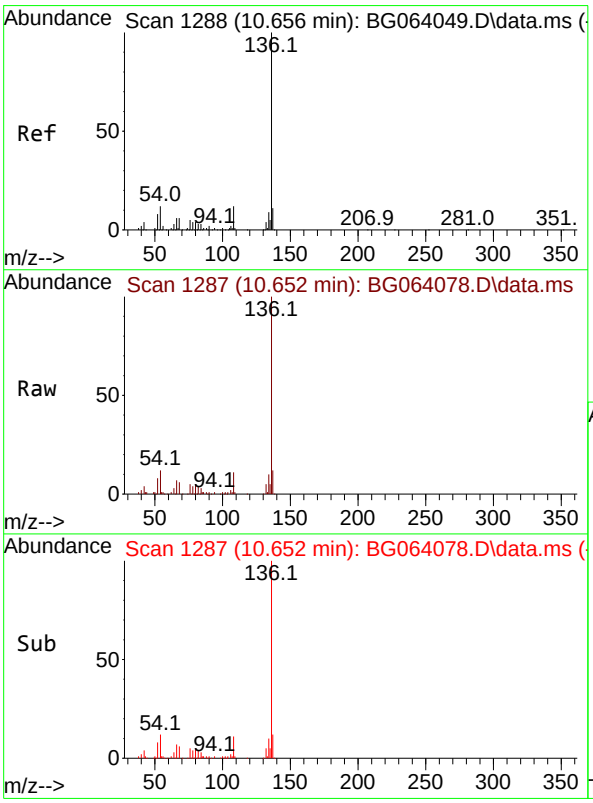
#7
Phenol-d6
Concen: 119.432 ng
RT: 7.027 min Scan# 6
Delta R.T. -0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB01

Tgt Ion: 99 Resp: 365905

Ion	Ratio	Lower	Upper
99	100		
42	30.4	22.7	34.1
71	41.7	30.6	46.0

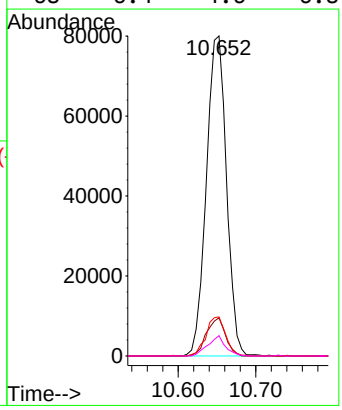


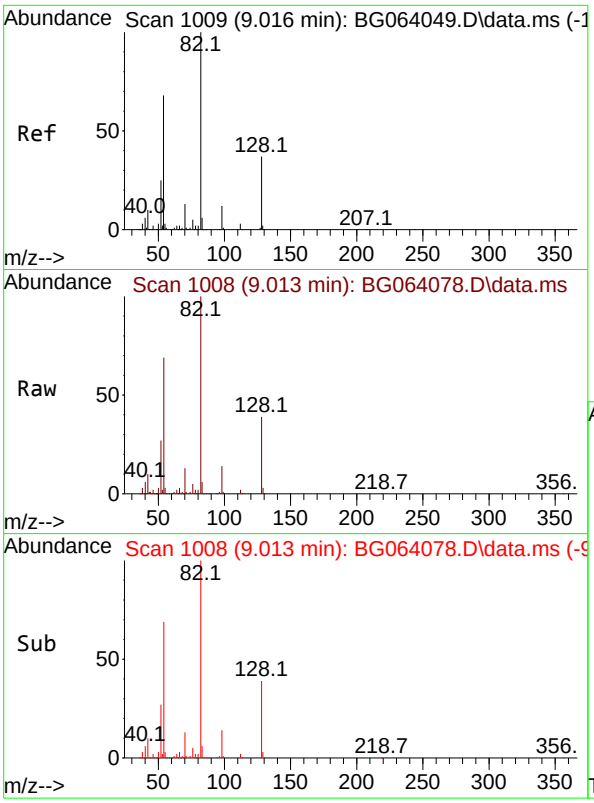


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1287
Delta R.T. -0.004 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Tgt Ion:136 Resp: 144374

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.5	12.7
54	12.2	9.9	14.9
68	6.4	4.6	6.8



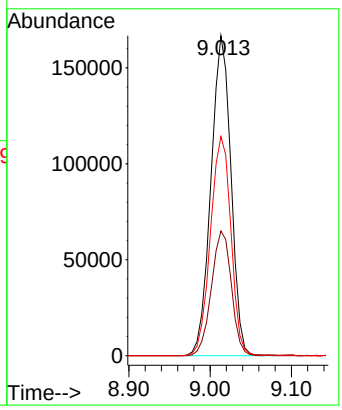


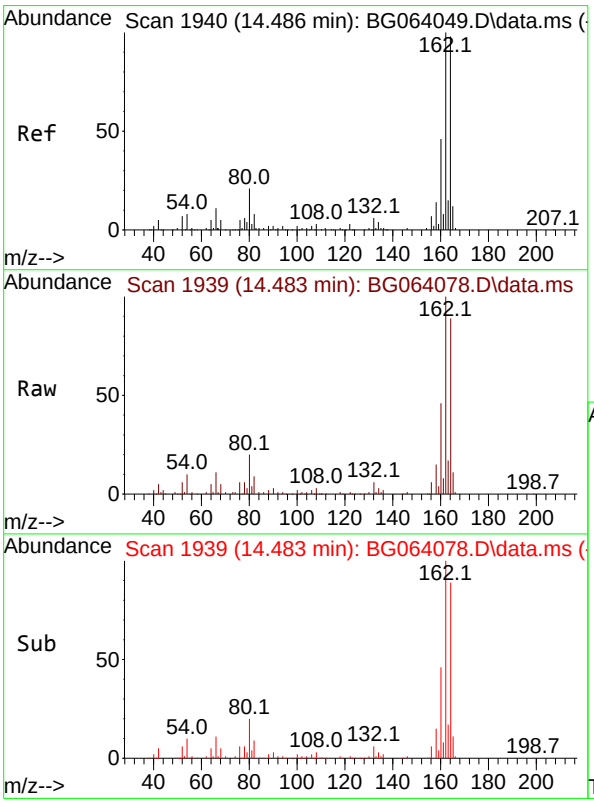
#23
Nitrobenzene-d5
Concen: 109.274 ng
RT: 9.013 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB01

Tgt Ion: 82 Resp: 285483

Ion	Ratio	Lower	Upper
82	100		
128	39.0	30.0	45.0
54	68.5	54.7	82.1

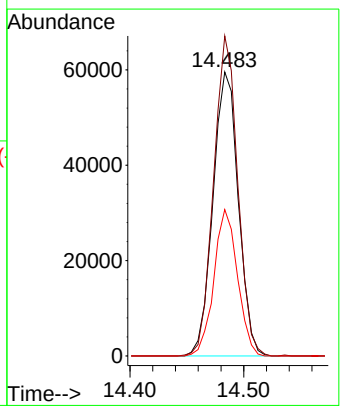


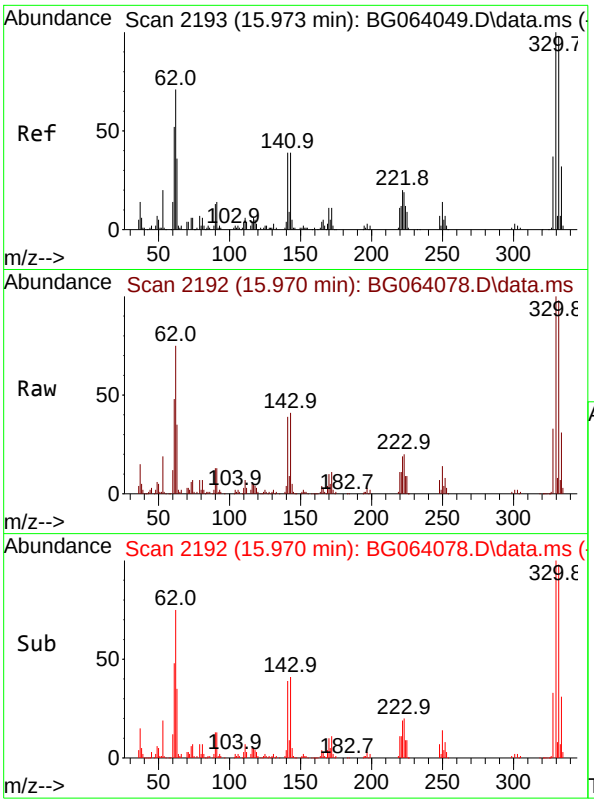


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Tgt Ion:164 Resp: 92311

Ion	Ratio	Lower	Upper
164	100		
162	112.7	81.4	122.0
160	51.5	37.0	55.6



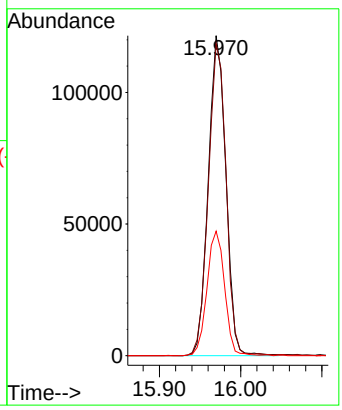


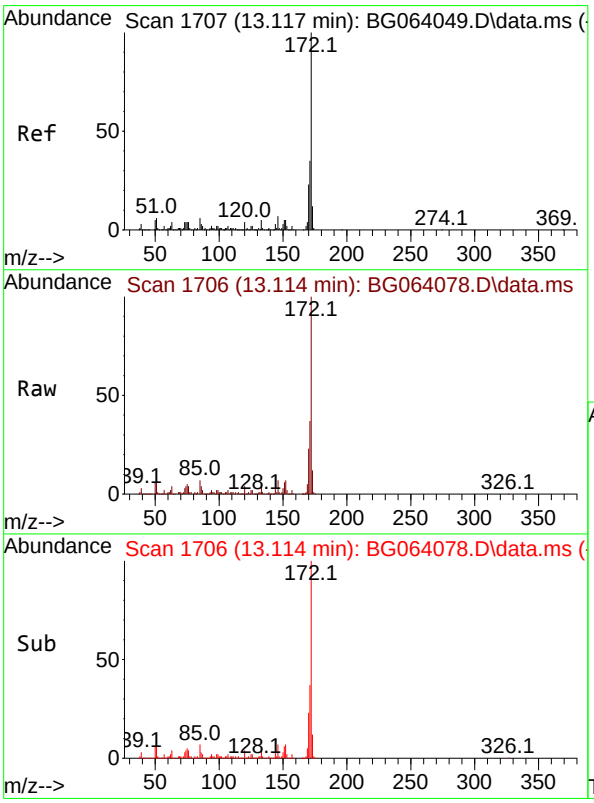
#42
2,4,6-Tribromophenol
Concen: 178.367 ng
RT: 15.970 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB01

Tgt Ion:330 Resp: 183023

Ion	Ratio	Lower	Upper
330	100		
332	98.2	76.7	115.1
141	38.8	29.7	44.5

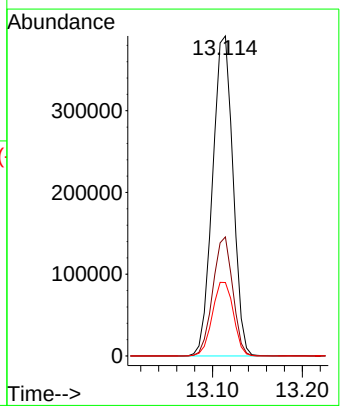


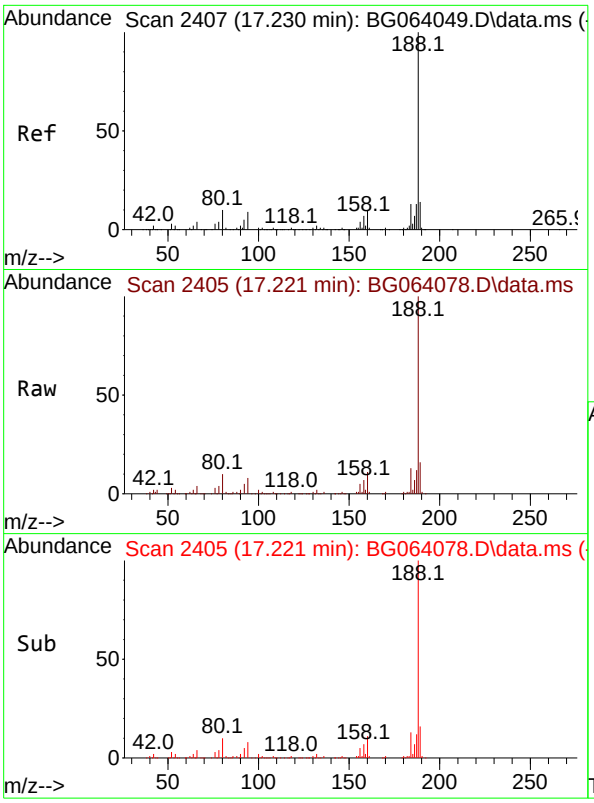


#45
2-Fluorobiphenyl
Concen: 101.553 ng
RT: 13.114 min Scan# 1706
Delta R.T. -0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Tgt Ion:172 Resp: 617599

Ion	Ratio	Lower	Upper
172	100		
171	37.2	28.0	42.0
170	23.0	18.7	28.1



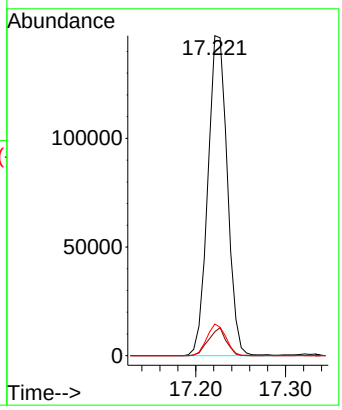


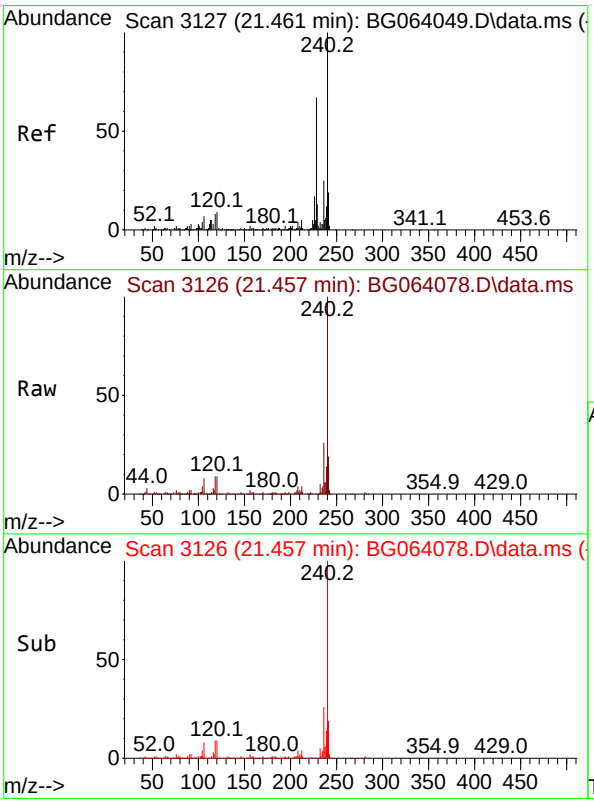
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.221 min Scan# 24
Delta R.T. -0.009 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB01

Tgt Ion:188 Resp: 221718

Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.9	10.3
80	9.9	8.1	12.1

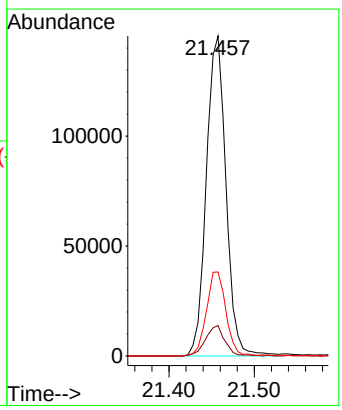


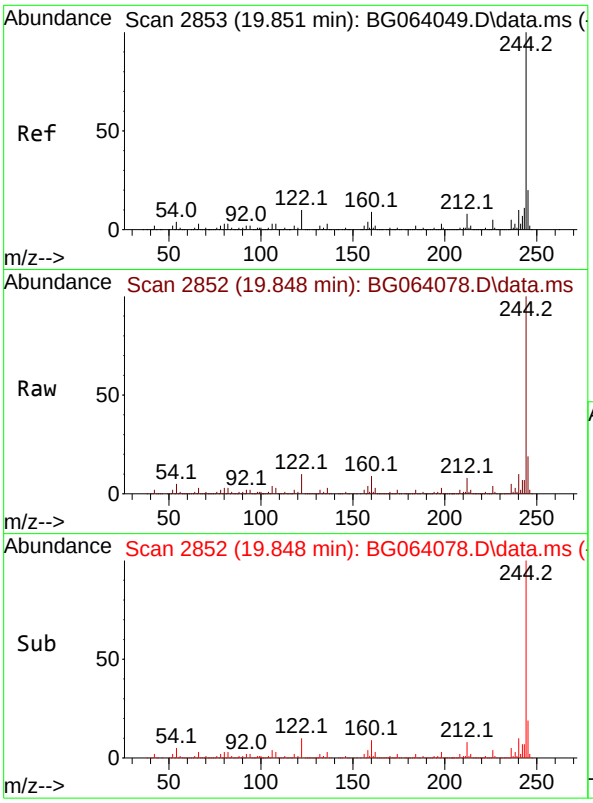


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3126
Delta R.T. -0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Tgt Ion:240 Resp: 232567

Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.2	10.8
236	26.2	20.2	30.2



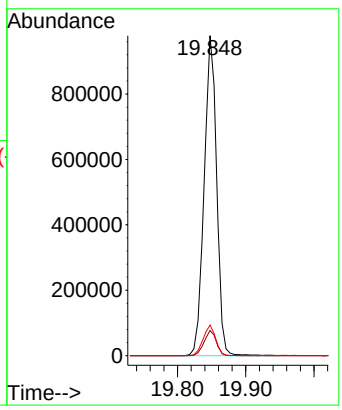


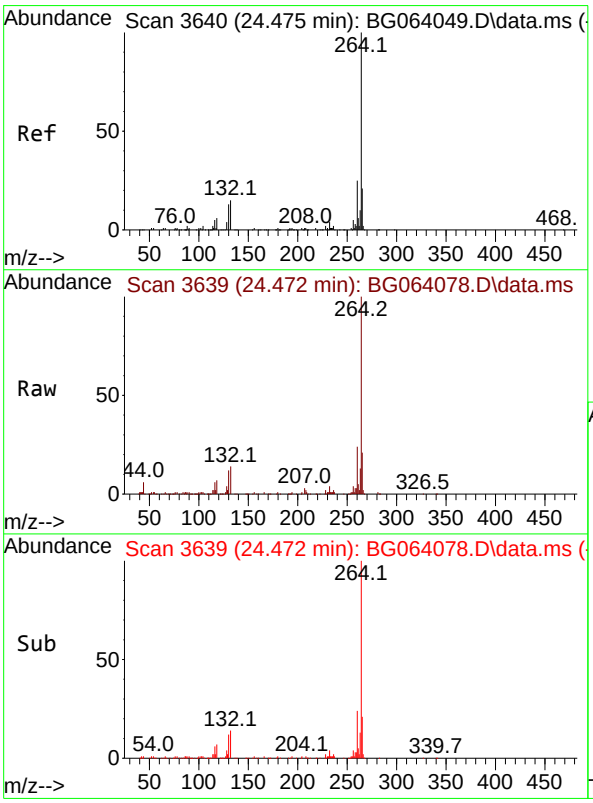
#79
Terphenyl-d14
Concen: 108.283 ng
RT: 19.848 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB01

Tgt Ion:244 Resp: 1245450

Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.4
122	9.6	8.0	12.0

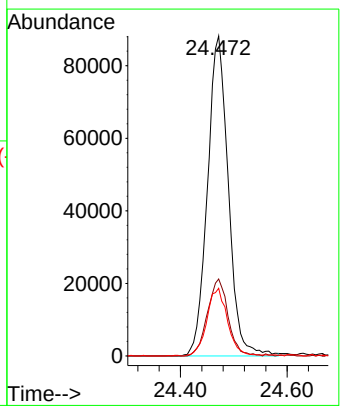




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.472 min Scan# 3639
Delta R.T. -0.003 min
Lab File: BG064078.D
Acq: 10 Mar 2025 13:03

Tgt Ion:264 Resp: 240035

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	21.1	16.6	25.0



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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-08	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064079.D	1	03/07/25 12:45	03/10/25 13:43	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	144		15 (10) - 110 (139)	96%	SPK: 150
13127-88-3	Phenol-d6	128		15 (10) - 110 (134)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	114		30 (49) - 130 (133)	114%	SPK: 100
321-60-8	2-Fluorobiphenyl	103		30 (52) - 130 (132)	103%	SPK: 100
118-79-6	2,4,6-Tribromophenol	174	*	15 (44) - 110 (137)	116%	SPK: 150
1718-51-0	Terphenyl-d14	105		30 (48) - 130 (125)	105%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	32500	7.861			
1146-65-2	Naphthalene-d8	133000	10.652			
15067-26-2	Acenaphthene-d10	88500	14.488			
1517-22-2	Phenanthrene-d10	206000	17.226			
1719-03-5	Chrysene-d12	235000	21.457			
1520-96-3	Perylene-d12	245000	24.471			

Raw Data: **BG064079.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-102-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-08	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064079.D	1	03/07/25 12:45	03/10/25 13:43	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BG064079.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064079.D
Acq On : 10 Mar 2025 13:43
Operator : RC/JU
Sample : Q1488-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB02

Quant Time: Mar 10 15:19:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

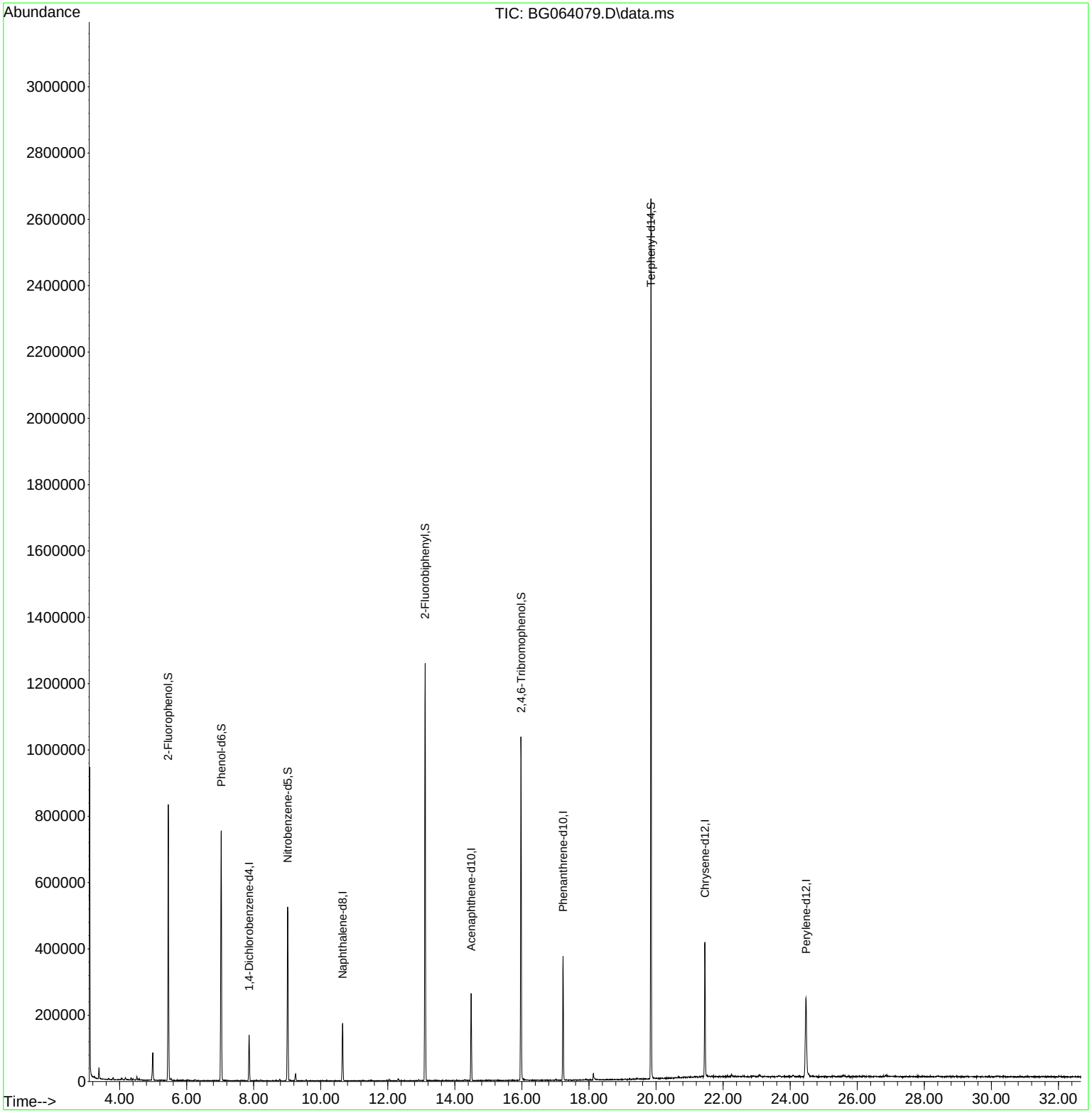
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	32475	20.000	ng	0.00
21) Naphthalene-d8	10.652	136	132840	20.000	ng	0.00
39) Acenaphthene-d10	14.488	164	88542	20.000	ng	0.00
64) Phenanthrene-d10	17.226	188	205793	20.000	ng	0.00
76) Chrysene-d12	21.457	240	234830	20.000	ng	0.00
86) Perylene-d12	24.471	264	245151	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	299574	144.040	ng	0.00
7) Phenol-d6	7.032	99	363258	128.390	ng	0.00
23) Nitrobenzene-d5	9.012	82	274607	114.238	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	170868	173.610	ng	0.00
45) 2-Fluorobiphenyl	13.114	172	599991	102.857	ng	0.00
79) Terphenyl-d14	19.847	244	1223564	105.355	ng	0.00
Target Compounds						Qvalue

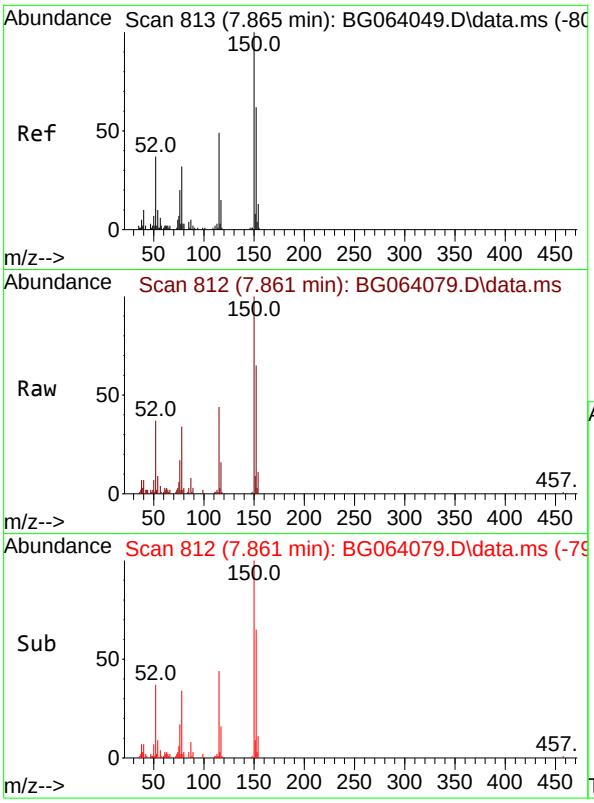
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064079.D
Acq On : 10 Mar 2025 13:43
Operator : RC/JU
Sample : Q1488-08
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB02

Quant Time: Mar 10 15:19:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



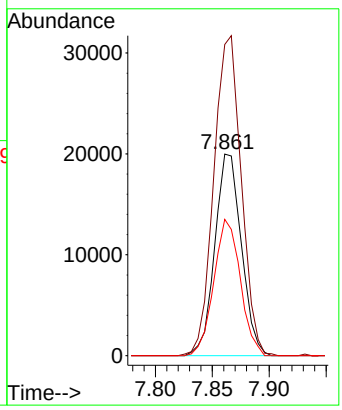


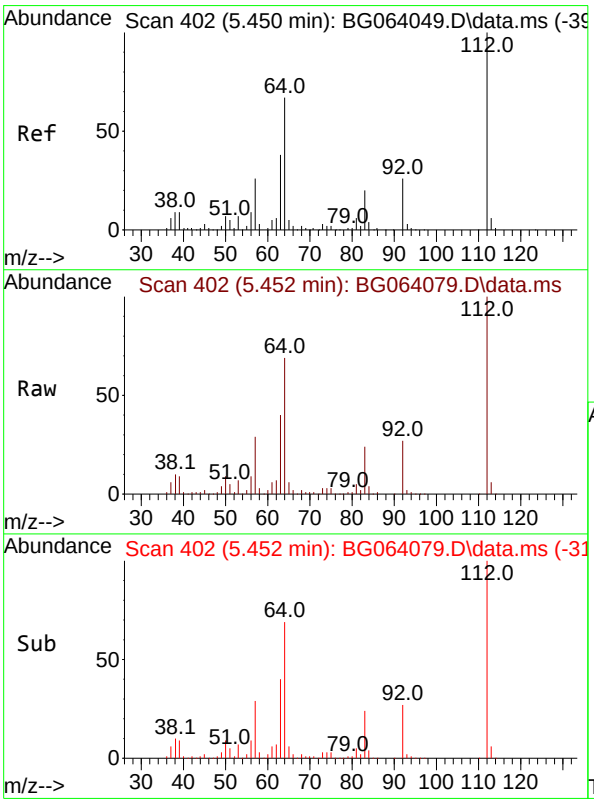
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB02

Tgt Ion:152 Resp: 32475

Ion	Ratio	Lower	Upper
152	100		
150	154.4	129.2	193.8
115	67.6	63.0	94.6

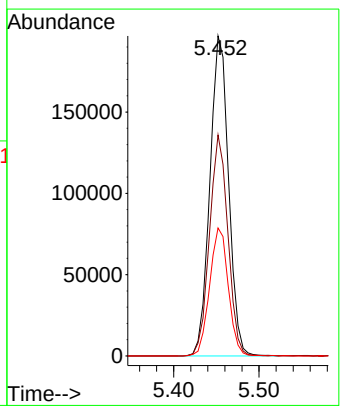


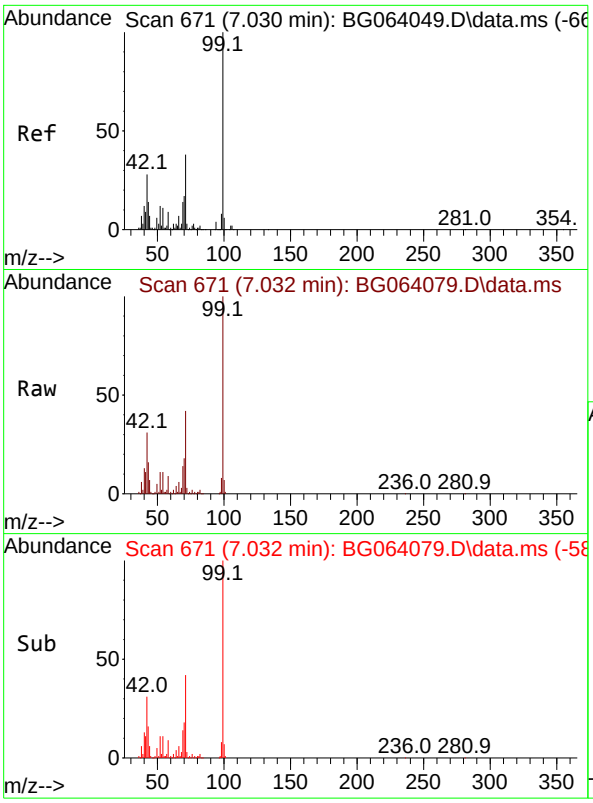


#5
2-Fluorophenol
Concen: 144.040 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.002 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Tgt Ion:112 Resp: 299574

Ion	Ratio	Lower	Upper
112	100		
64	69.0	53.7	80.5
63	40.0	30.2	45.4



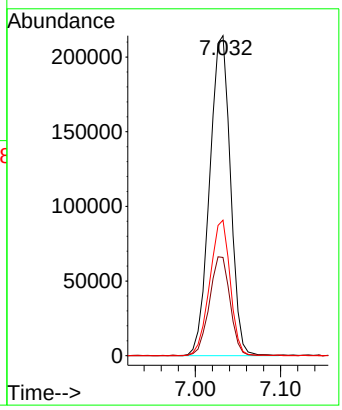


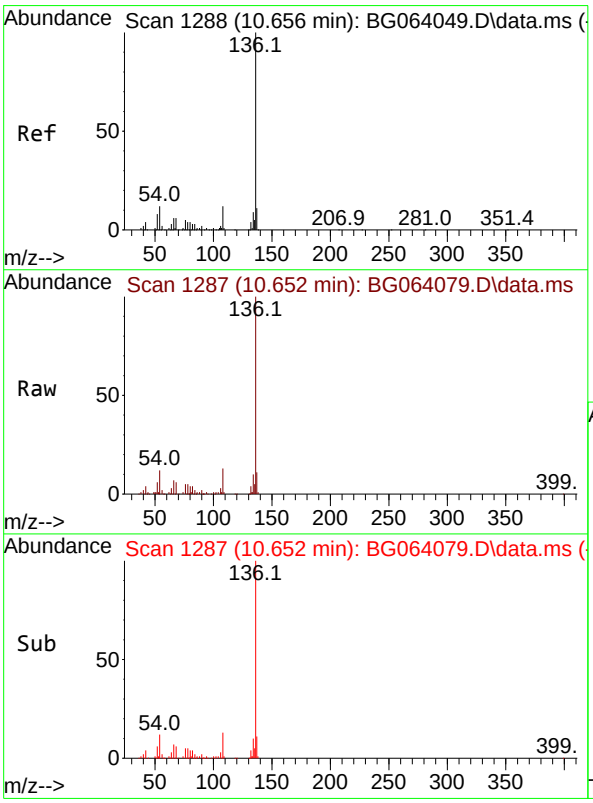
#7
Phenol-d6
Concen: 128.390 ng
RT: 7.032 min Scan# 6
Delta R.T. 0.002 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB02

Tgt Ion: 99 Resp: 363258

Ion	Ratio	Lower	Upper
99	100		
42	30.7	22.7	34.1
71	42.3	30.6	46.0

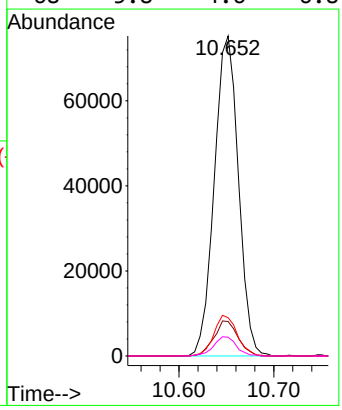


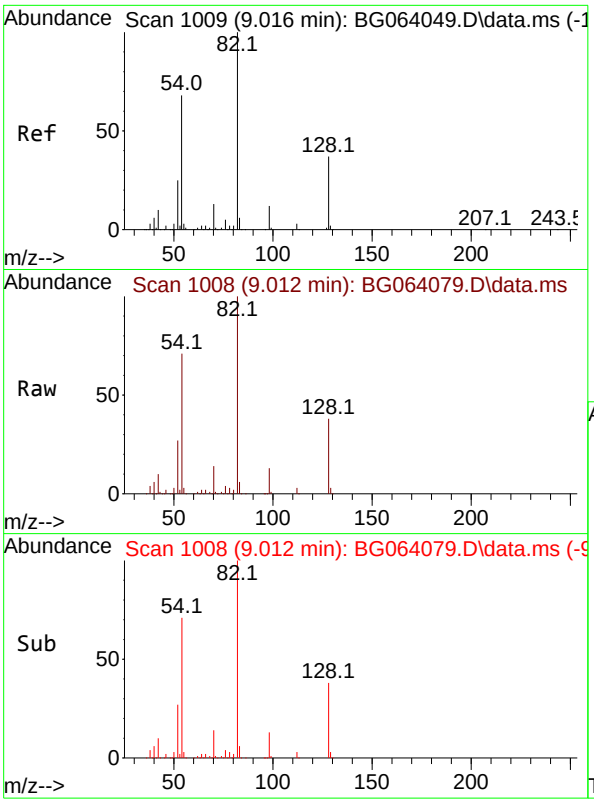


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1287
Delta R.T. -0.004 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Tgt Ion:136 Resp: 132840

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	12.0	9.9	14.9
68	5.8	4.6	6.8



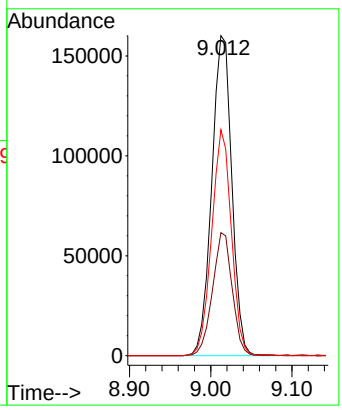


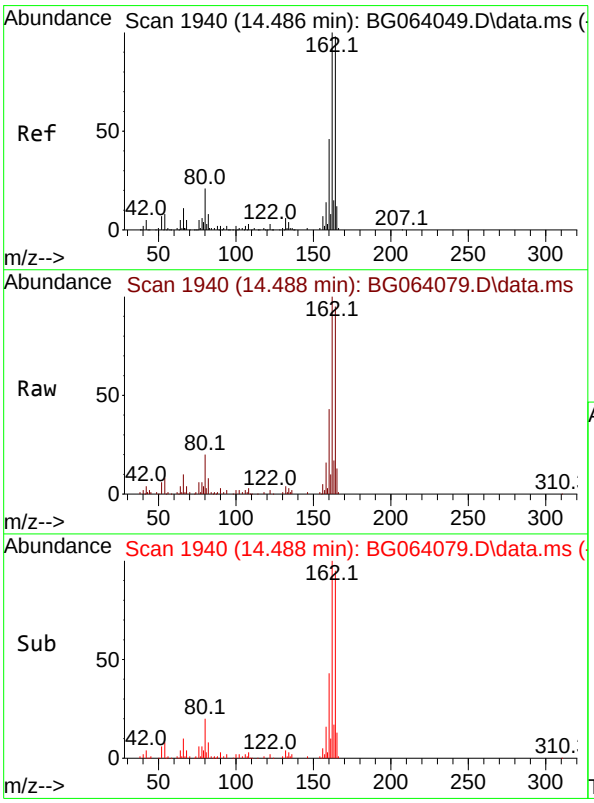
#23
Nitrobenzene-d5
Concen: 114.238 ng
RT: 9.012 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB02

Tgt Ion: 82 Resp: 274607

Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.0	45.0
54	70.6	54.7	82.1

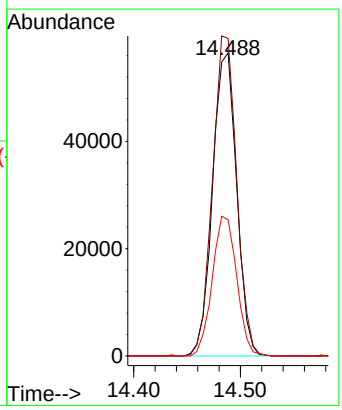


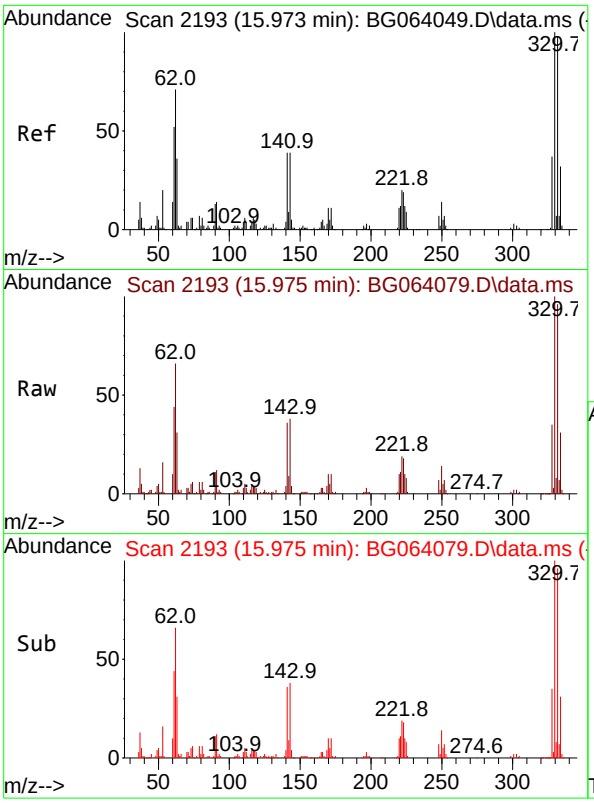


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.488 min Scan# 1940
Delta R.T. 0.002 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Tgt Ion:164 Resp: 88542

Ion	Ratio	Lower	Upper
164	100		
162	104.8	81.4	122.0
160	44.9	37.0	55.6



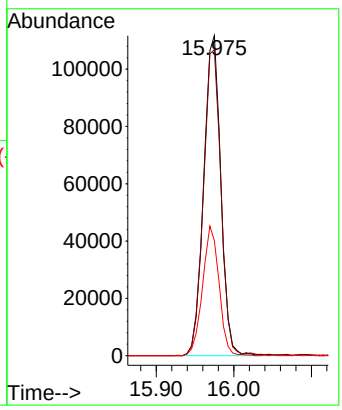


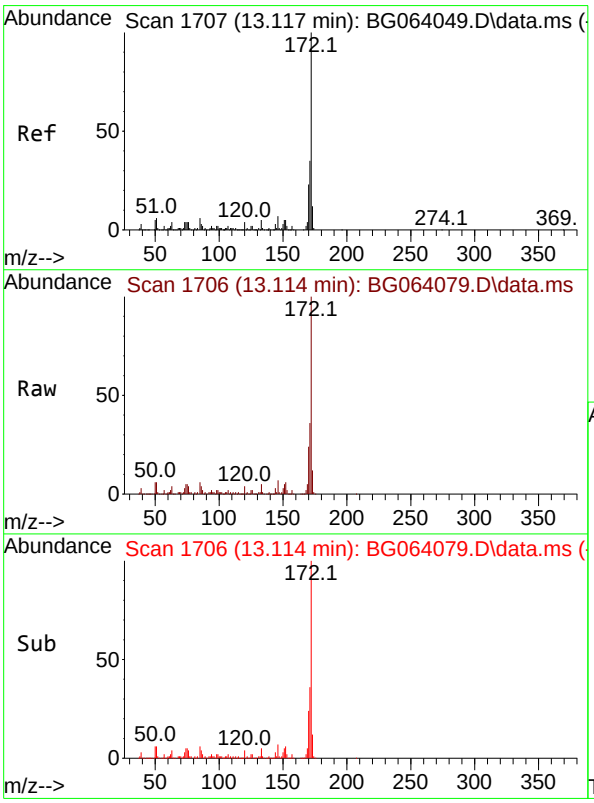
#42
2,4,6-Tribromophenol
Concen: 173.610 ng
RT: 15.975 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB02

Tgt Ion:330 Resp: 170868

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.7	115.1
141	39.1	29.7	44.5

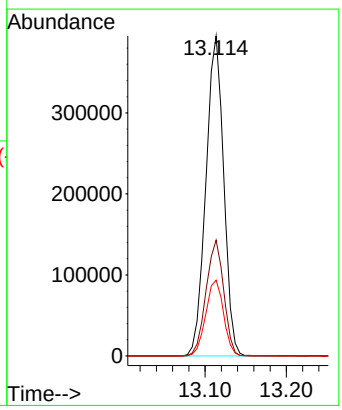


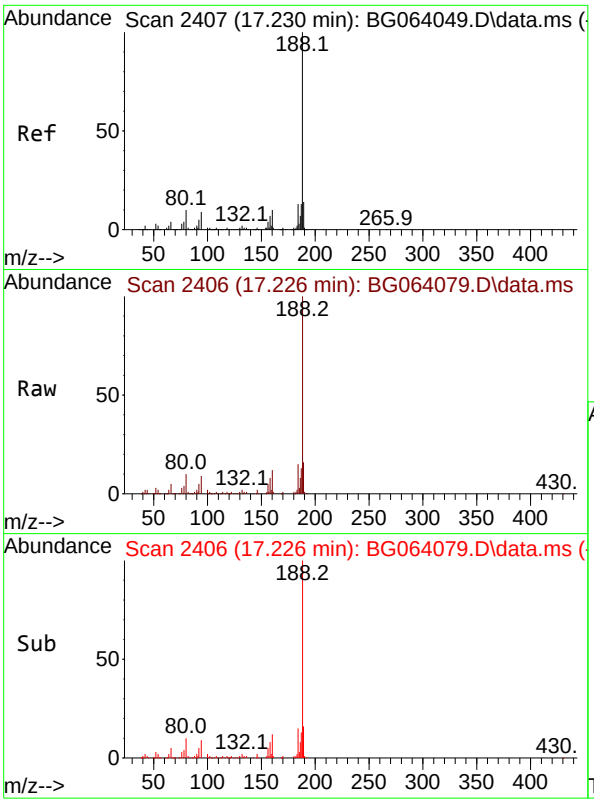


#45
2-Fluorobiphenyl
Concen: 102.857 ng
RT: 13.114 min Scan# 1706
Delta R.T. -0.004 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Tgt Ion:172 Resp: 599991

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.0	42.0
170	23.7	18.7	28.1



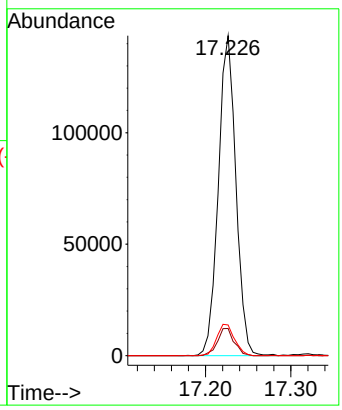


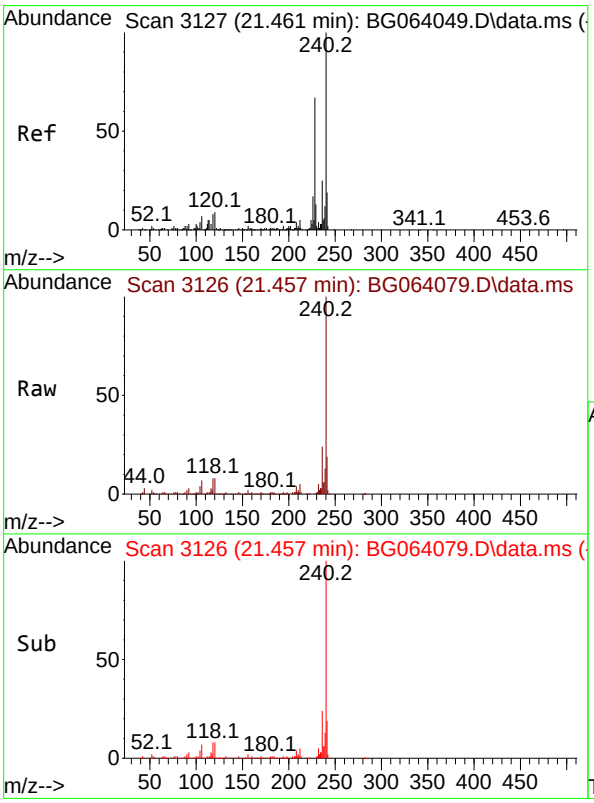
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.226 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB02

Tgt Ion:188 Resp: 205793

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.9	10.3
80	9.6	8.1	12.1

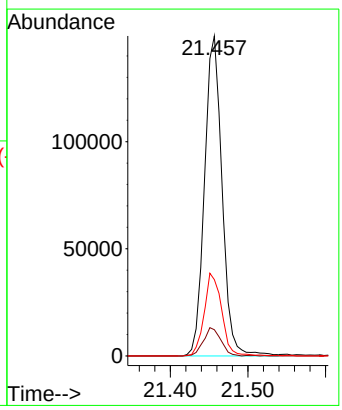


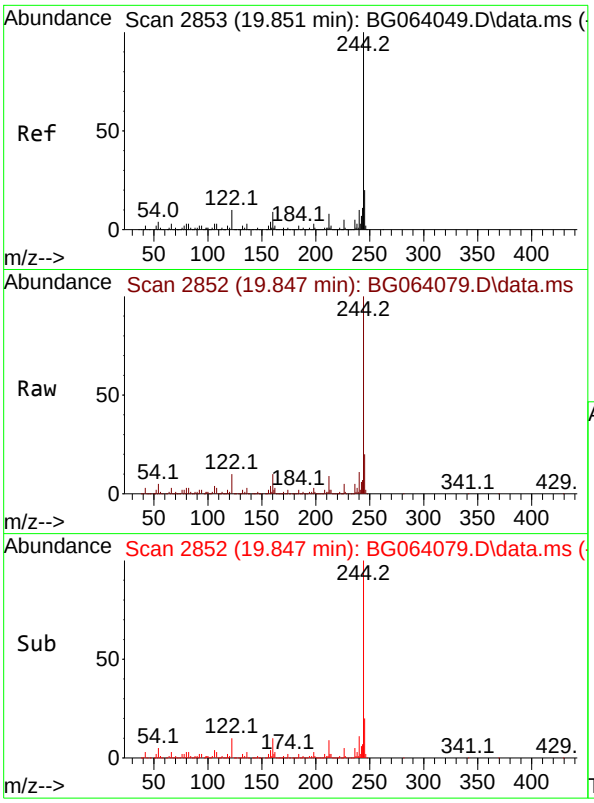


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3126
Delta R.T. -0.004 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Tgt Ion:240 Resp: 234830

Ion	Ratio	Lower	Upper
240	100		
120	8.2	7.2	10.8
236	23.9	20.2	30.2



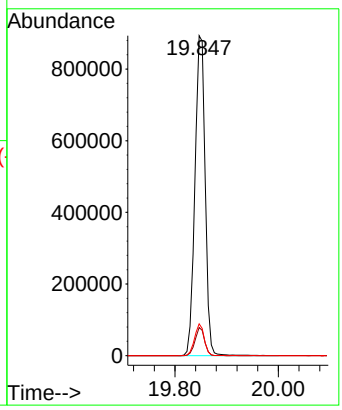


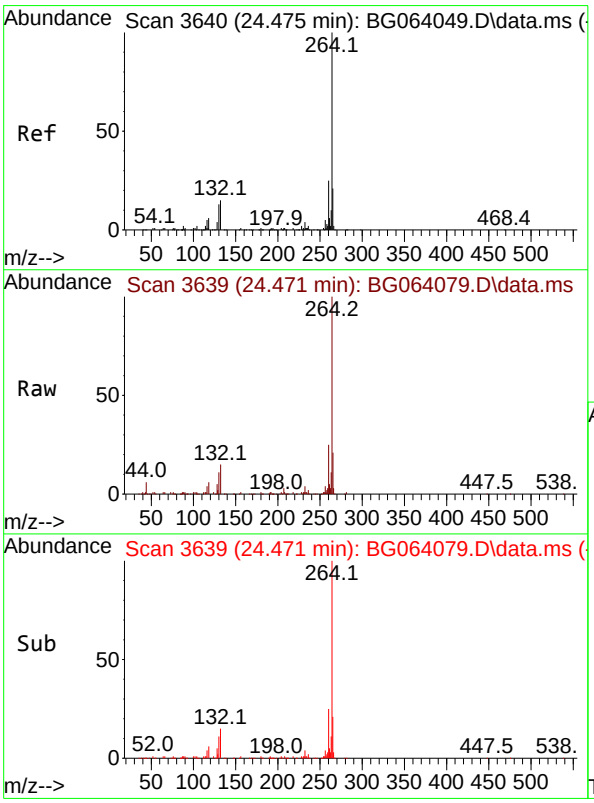
#79
Terphenyl-d14
Concen: 105.355 ng
RT: 19.847 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Instrument :
BNA_G
ClientSampleId :
ENV-102-SB02

Tgt Ion:244 Resp: 1223564

Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.2	9.4
122	10.0	8.0	12.0

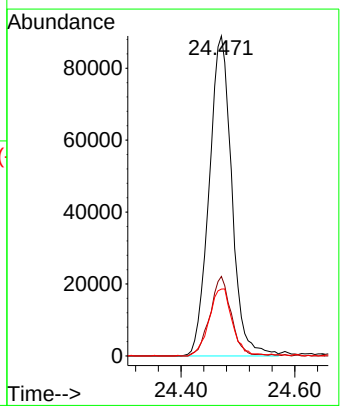




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.471 min Scan# 3639
Delta R.T. -0.004 min
Lab File: BG064079.D
Acq: 10 Mar 2025 13:43

Tgt Ion:264 Resp: 245151

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.6	29.4
265	20.9	16.6	25.0



Raw Data: **BG064080.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-10	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064080.D	1	03/07/25 12:45	03/10/25 14:23	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	139		15 (10) - 110 (139)	93%	SPK: 150
13127-88-3	Phenol-d6	121		15 (10) - 110 (134)	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	104		30 (49) - 130 (133)	104%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.3		30 (52) - 130 (132)	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	163		15 (44) - 110 (137)	109%	SPK: 150
1718-51-0	Terphenyl-d14	99.1		30 (48) - 130 (125)	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	31600	7.862			
1146-65-2	Naphthalene-d8	133000	10.653			
15067-26-2	Acenaphthene-d10	86400	14.483			
1517-22-2	Phenanthrene-d10	204000	17.227			
1719-03-5	Chrysene-d12	230000	21.458			
1520-96-3	Perylene-d12	240000	24.472			

Raw Data: **BG064080.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB01	SDG No.:	Q1488
Lab Sample ID:	Q1488-10	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064080.D	1	03/07/25 12:45	03/10/25 14:23	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BG064080.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064080.D
Acq On : 10 Mar 2025 14:23
Operator : RC/JU
Sample : Q1488-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB01

Quant Time: Mar 10 16:01:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

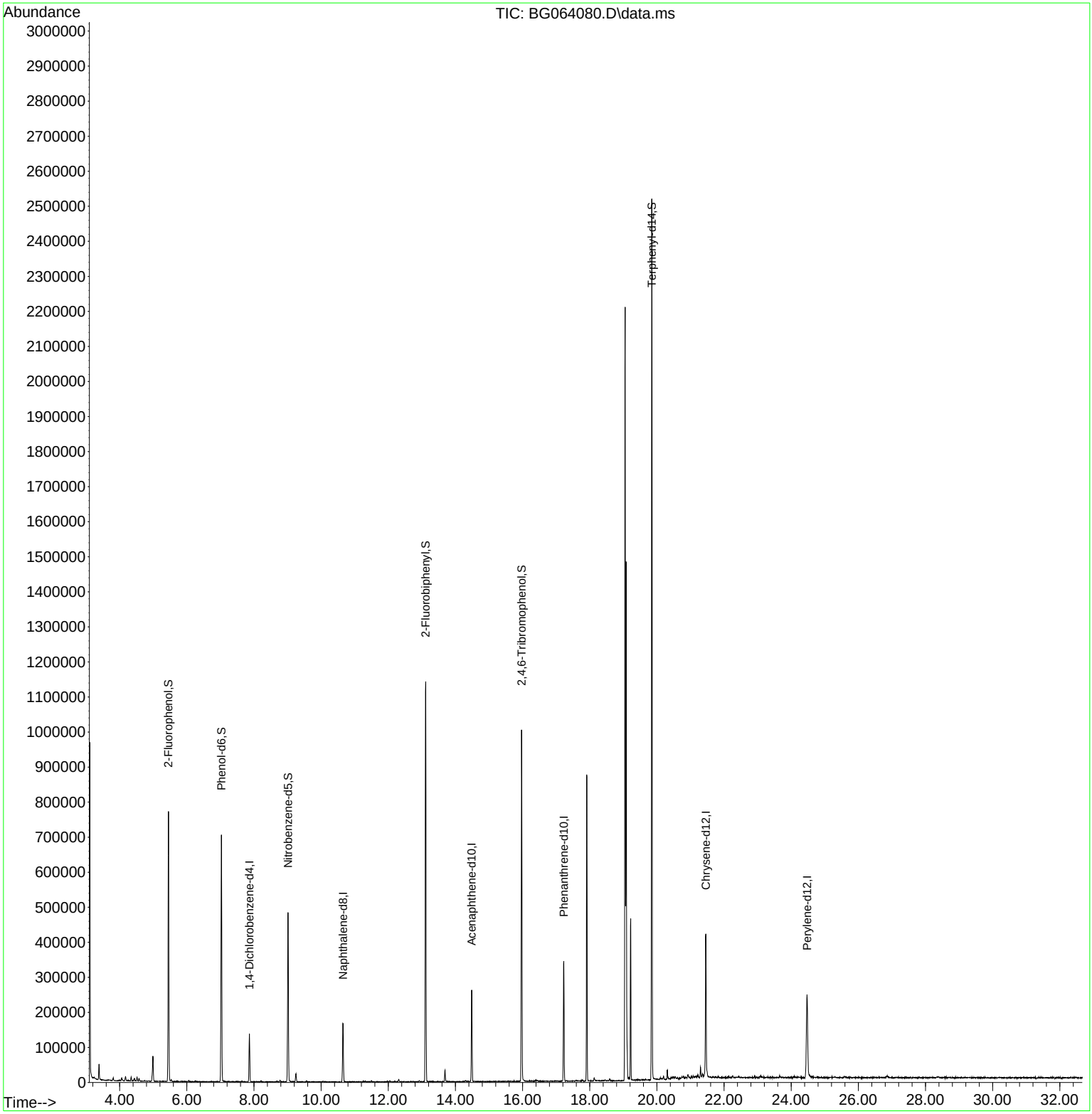
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	31568	20.000	ng	0.00
21) Naphthalene-d8	10.653	136	132922	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	86428	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	203951	20.000	ng	0.00
76) Chrysene-d12	21.458	240	230232	20.000	ng	0.00
86) Perylene-d12	24.472	264	240357	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.453	112	280962	138.972	ng	0.00
7) Phenol-d6	7.027	99	334052	121.459	ng	0.00
23) Nitrobenzene-d5	9.013	82	249192	103.601	ng	0.00
42) 2,4,6-Tribromophenol	15.970	330	156619	163.025	ng	0.00
45) 2-Fluorobiphenyl	13.114	172	548379	96.308	ng	0.00
79) Terphenyl-d14	19.848	244	1128017	99.067	ng	0.00
Target Compounds						Qvalue

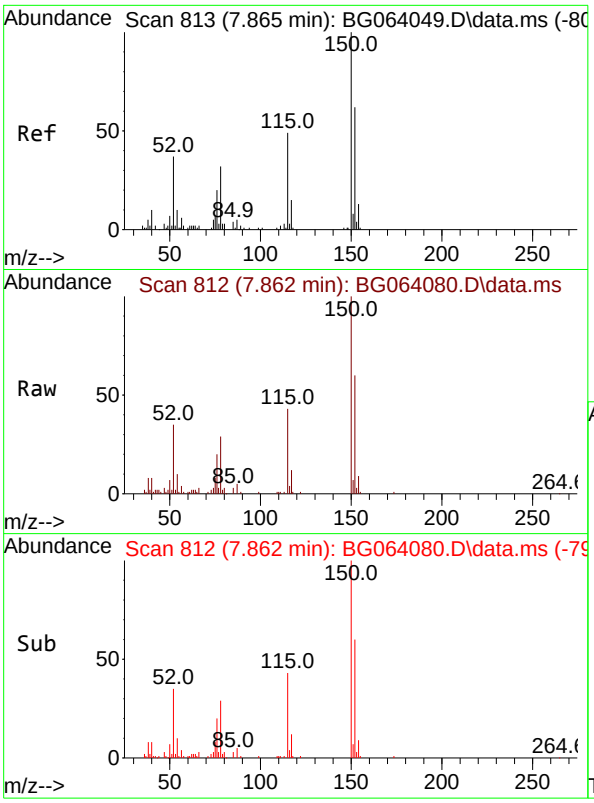
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064080.D
Acq On : 10 Mar 2025 14:23
Operator : RC/JU
Sample : Q1488-10
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB01

Quant Time: Mar 10 16:01:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



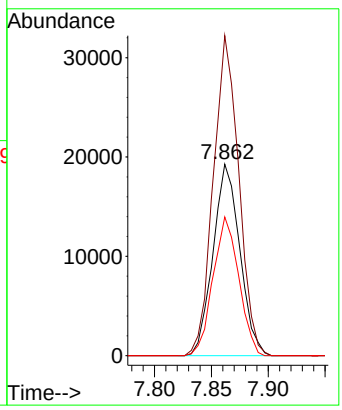


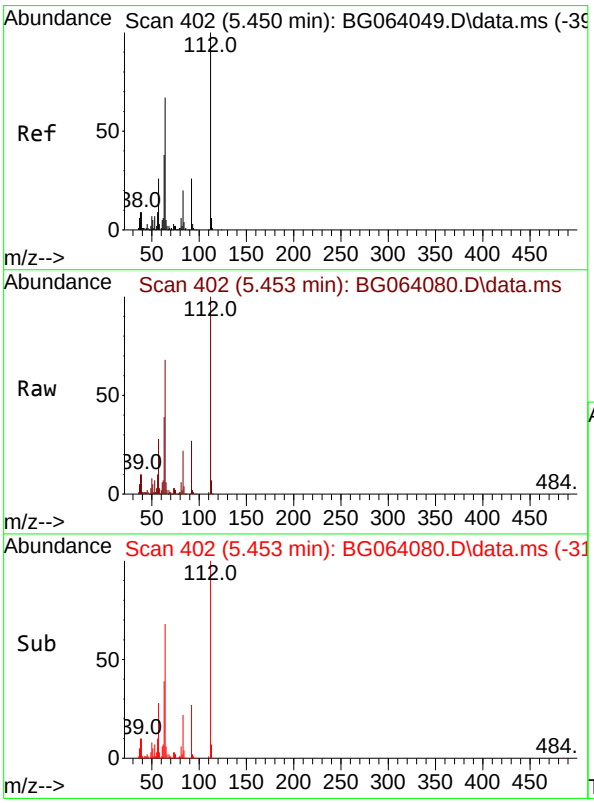
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.862 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB01

Tgt Ion:152 Resp: 31568

Ion	Ratio	Lower	Upper
152	100		
150	167.1	129.2	193.8
115	72.4	63.0	94.6

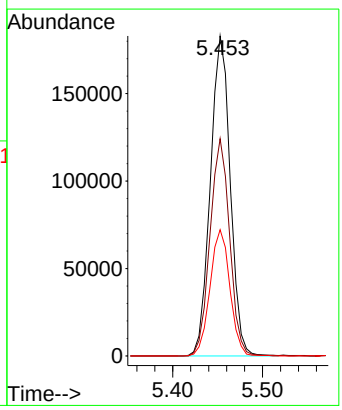


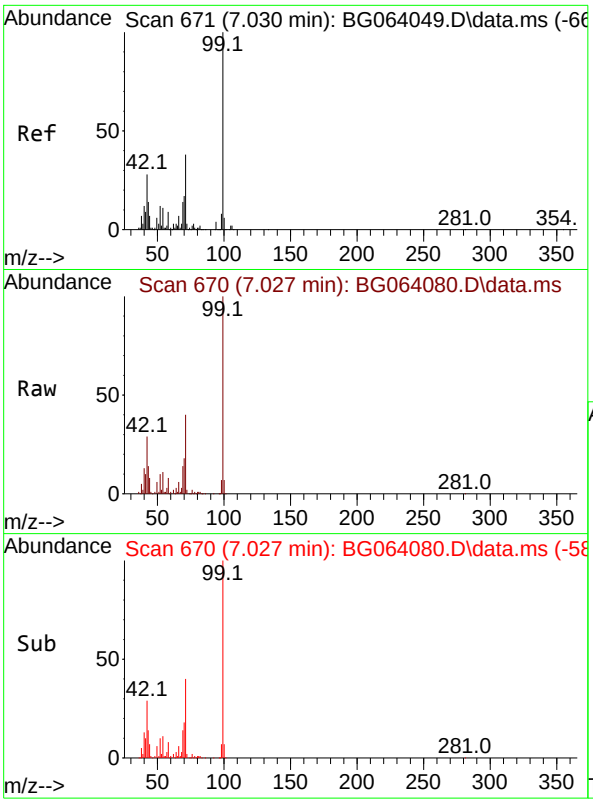


#5
2-Fluorophenol
Concen: 138.972 ng
RT: 5.453 min Scan# 402
Delta R.T. 0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Tgt Ion:112 Resp: 280962

Ion	Ratio	Lower	Upper
112	100		
64	67.9	53.7	80.5
63	39.5	30.2	45.4



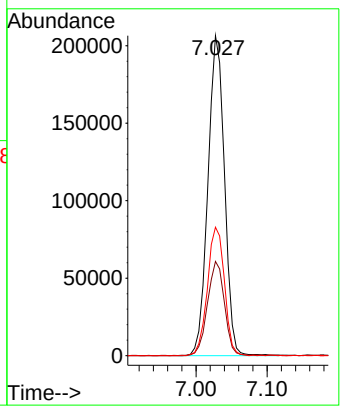


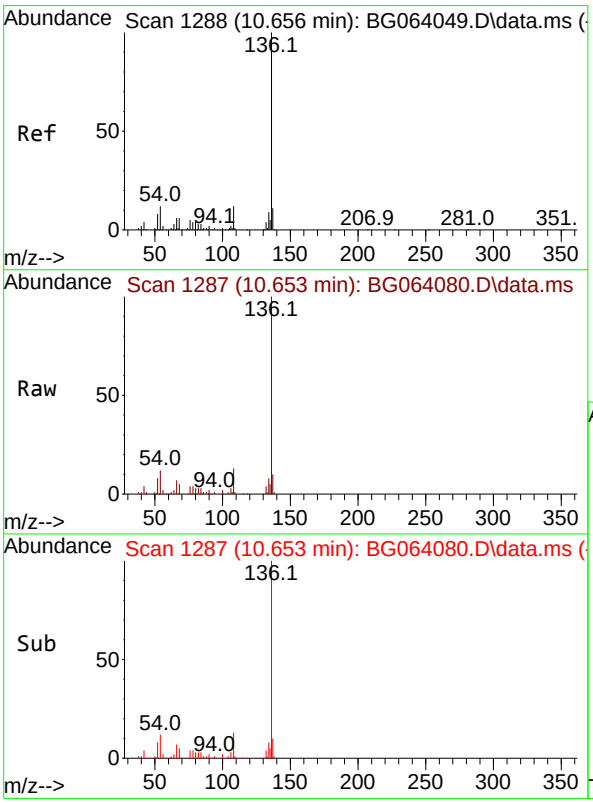
#7
Phenol-d6
Concen: 121.459 ng
RT: 7.027 min Scan# 6
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB01

Tgt Ion: 99 Resp: 334052

Ion	Ratio	Lower	Upper
99	100		
42	29.5	22.7	34.1
71	40.1	30.6	46.0

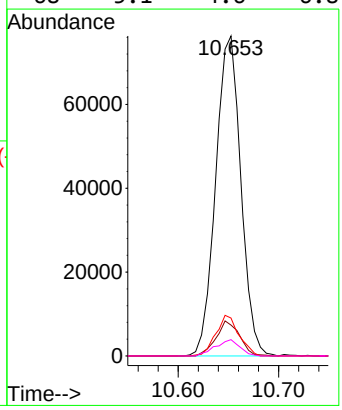


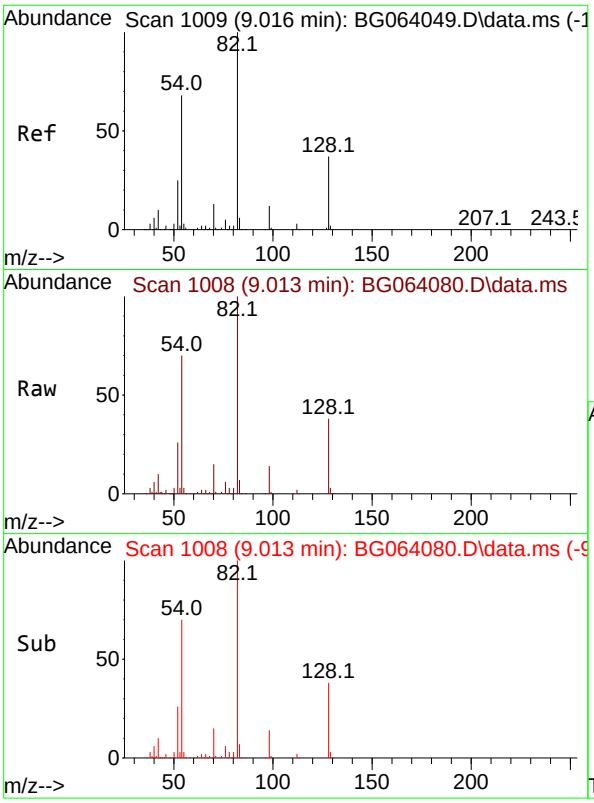


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.653 min Scan# 1287
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Tgt Ion:136 Resp: 132922

Ion	Ratio	Lower	Upper
136	100		
137	9.7	8.5	12.7
54	11.8	9.9	14.9
68	5.1	4.6	6.8



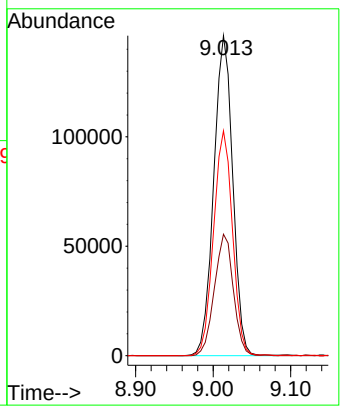


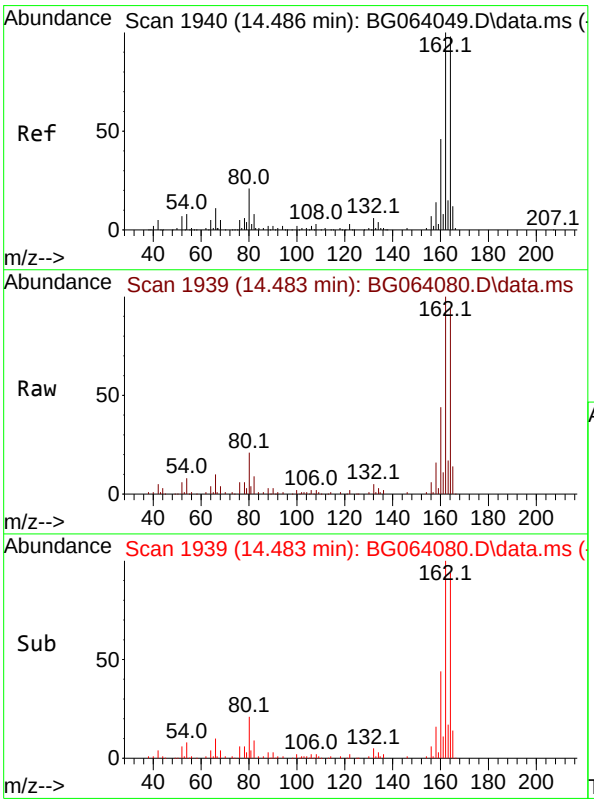
#23
Nitrobenzene-d5
Concen: 103.601 ng
RT: 9.013 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB01

Tgt Ion: 82 Resp: 249192

Ion	Ratio	Lower	Upper
82	100		
128	37.9	30.0	45.0
54	70.3	54.7	82.1

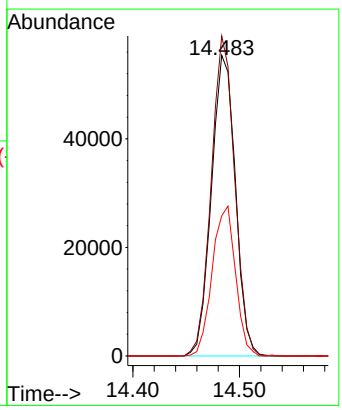


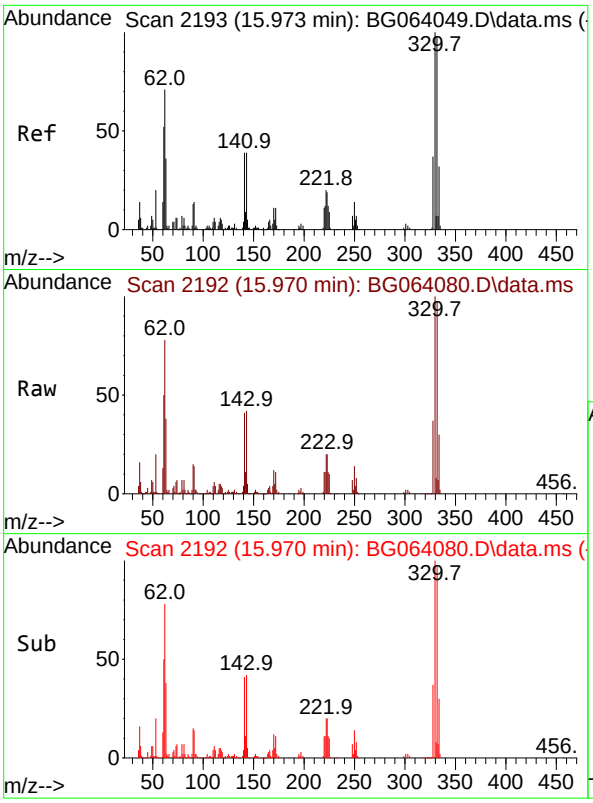


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Tgt Ion:164 Resp: 86428

Ion	Ratio	Lower	Upper
164	100		
162	106.5	81.4	122.0
160	46.6	37.0	55.6



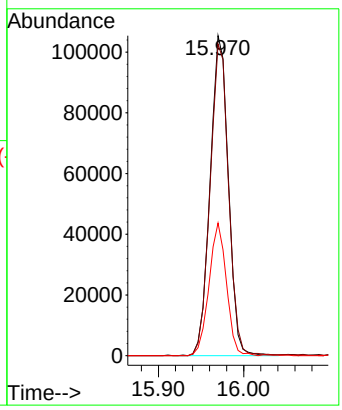


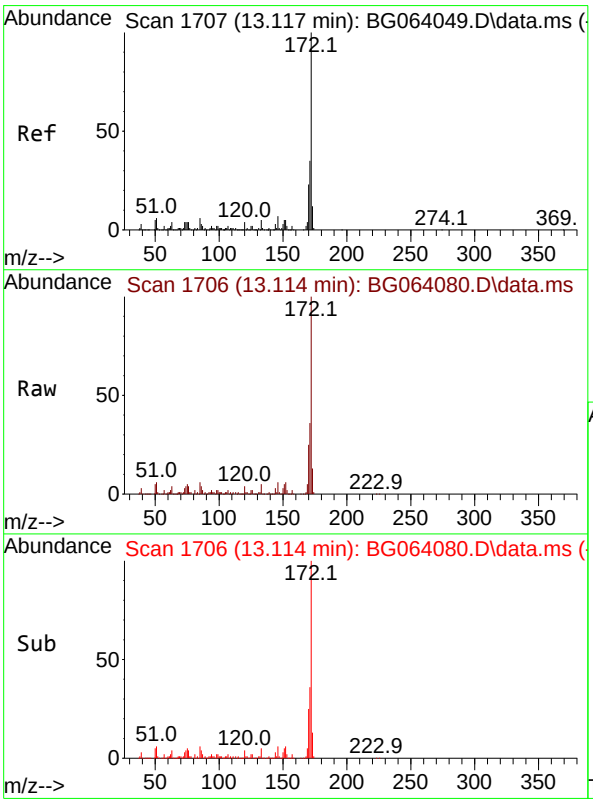
#42
2,4,6-Tribromophenol
Concen: 163.025 ng
RT: 15.970 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB01

Tgt Ion:330 Resp: 156619

Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.7	115.1
141	39.6	29.7	44.5

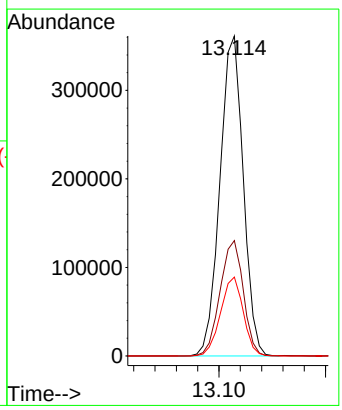


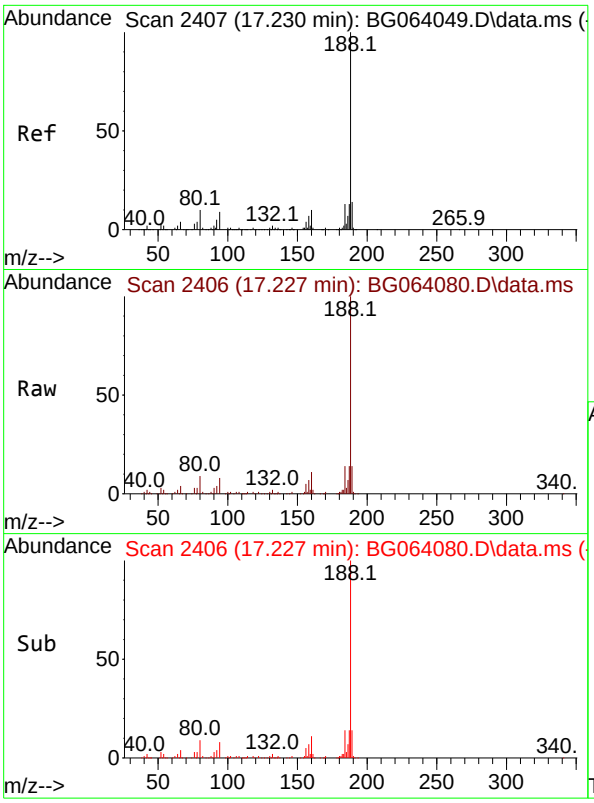


#45
2-Fluorobiphenyl
Concen: 96.308 ng
RT: 13.114 min Scan# 1706
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Tgt Ion:172 Resp: 548379

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.0	42.0
170	24.7	18.7	28.1



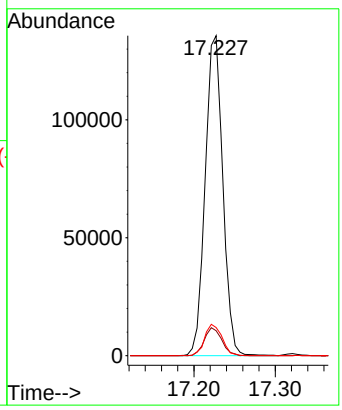


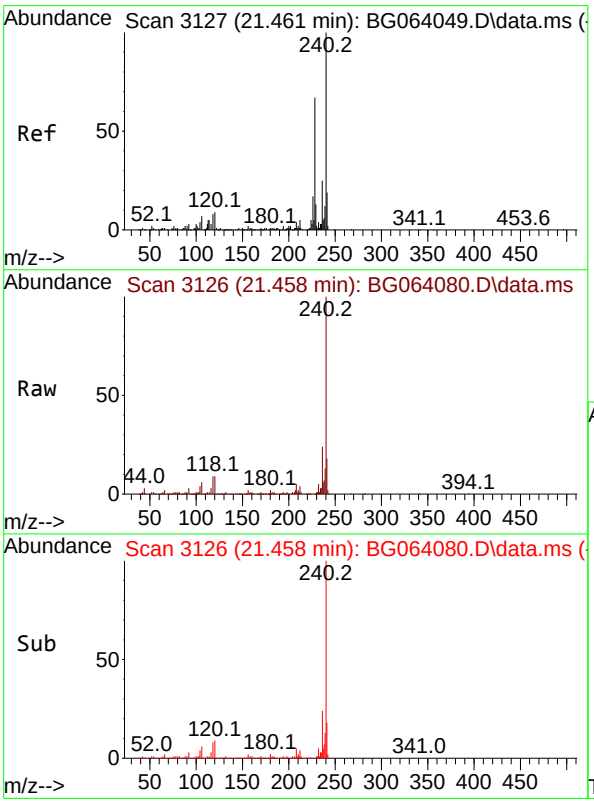
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB01

Tgt Ion:188 Resp: 203951

Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.9	10.3
80	8.8	8.1	12.1

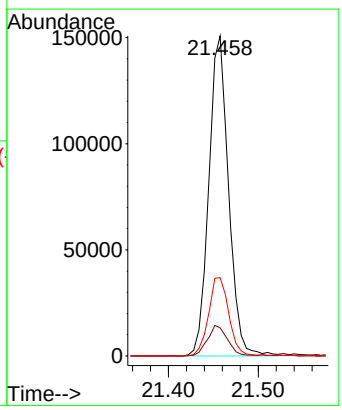


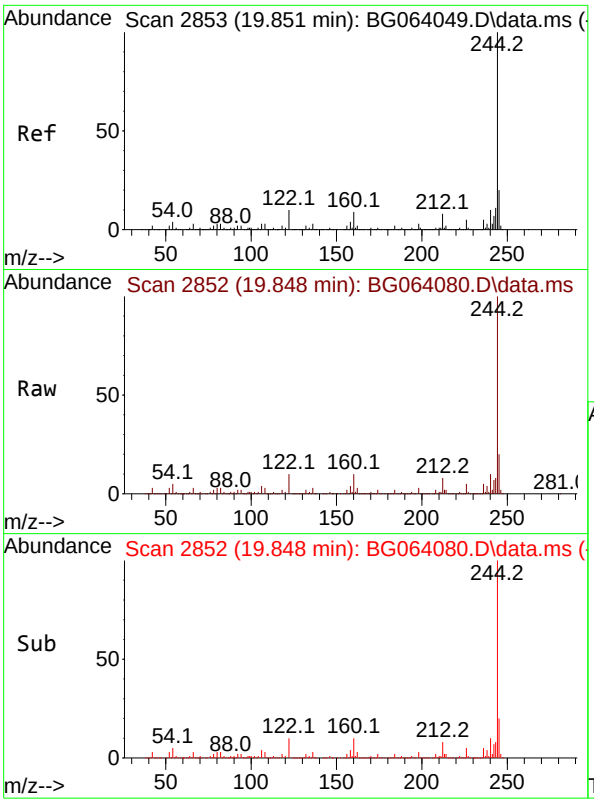


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.458 min Scan# 3126
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Tgt Ion:240 Resp: 230232

Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.2	10.8
236	24.4	20.2	30.2



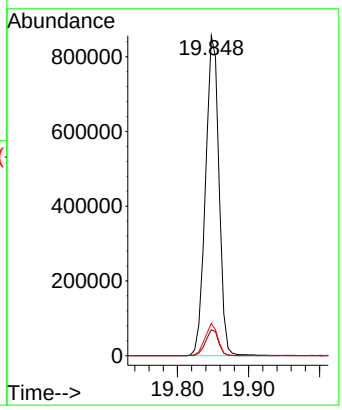


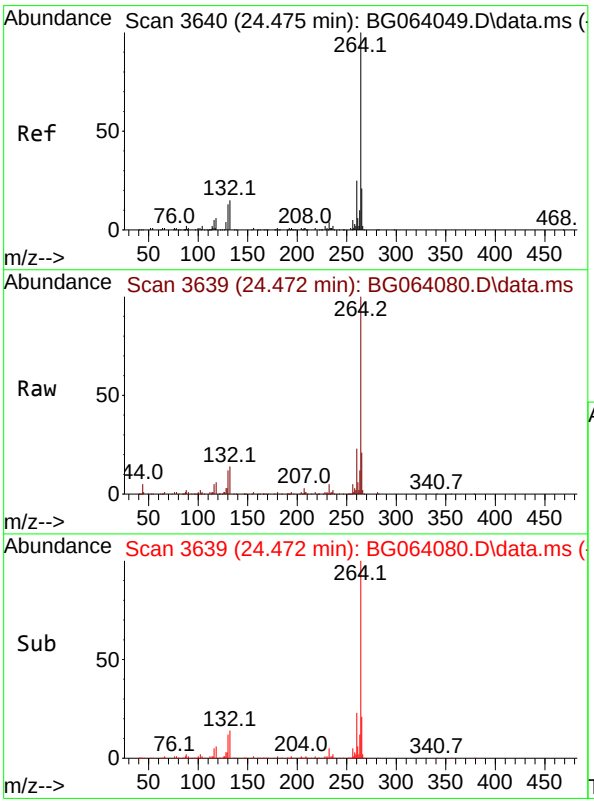
#79
Terphenyl-d14
Concen: 99.067 ng
RT: 19.848 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB01

Tgt Ion:244 Resp: 1128017

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	10.1	8.0	12.0

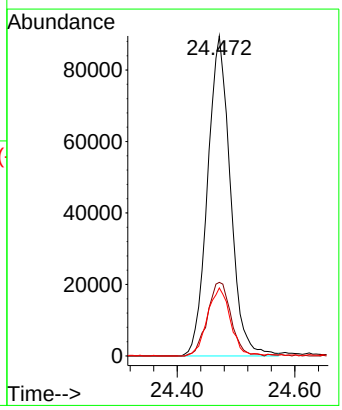




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.472 min Scan# 3639
Delta R.T. -0.003 min
Lab File: BG064080.D
Acq: 10 Mar 2025 14:23

Tgt Ion:264 Resp: 240357

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.6	29.4
265	21.2	16.6	25.0



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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-12	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064081.D	1	03/07/25 12:45	03/10/25 15:04	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	15.5	U	15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	8.40	U	8.40	50.0	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	100	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	50.0	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	8.90	U	8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	50.0	ug/L
87-86-5	Pentachlorophenol	18.5	U	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	141		15 (10) - 110 (139)	94%	SPK: 150
13127-88-3	Phenol-d6	124		15 (10) - 110 (134)	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	109		30 (49) - 130 (133)	109%	SPK: 100
321-60-8	2-Fluorobiphenyl	99.6		30 (52) - 130 (132)	100%	SPK: 100
118-79-6	2,4,6-Tribromophenol	170	*	15 (44) - 110 (137)	113%	SPK: 150
1718-51-0	Terphenyl-d14	106		30 (48) - 130 (125)	106%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	32200	7.861			
1146-65-2	Naphthalene-d8	132000	10.651			
15067-26-2	Acenaphthene-d10	87600	14.482			
1517-22-2	Phenanthrene-d10	206000	17.226			
1719-03-5	Chrysene-d12	226000	21.456			
1520-96-3	Perylene-d12	234000	24.471			

Raw Data: **BG064081.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-104-SB02	SDG No.:	Q1488
Lab Sample ID:	Q1488-12	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064081.D	1	03/07/25 12:45	03/10/25 15:04	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064081.D
Acq On : 10 Mar 2025 15:04
Operator : RC/JU
Sample : Q1488-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB02

Quant Time: Mar 10 16:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

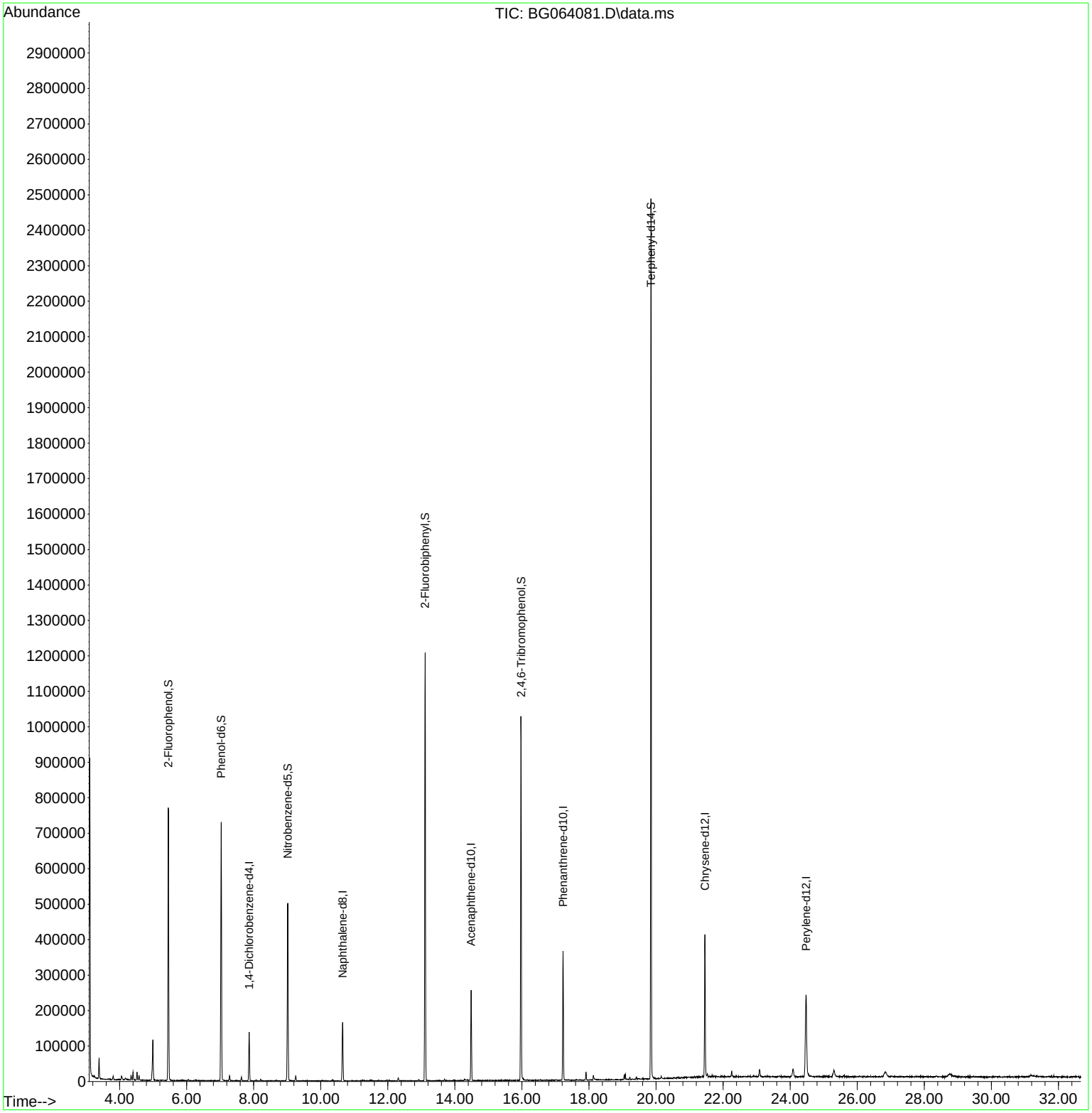
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	32215	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	132011	20.000	ng	0.00
39) Acenaphthene-d10	14.482	164	87599	20.000	ng	0.00
64) Phenanthrene-d10	17.226	188	206278	20.000	ng	0.00
76) Chrysene-d12	21.456	240	226436	20.000	ng	0.00
86) Perylene-d12	24.471	264	234414	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	291410	141.245	ng	0.00
7) Phenol-d6	7.032	99	347316	123.746	ng	0.00
23) Nitrobenzene-d5	9.018	82	260514	109.055	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	165587	170.055	ng	0.00
45) 2-Fluorobiphenyl	13.113	172	574775	99.595	ng	0.00
79) Terphenyl-d14	19.852	244	1190844	106.338	ng	0.00
Target Compounds						Qvalue

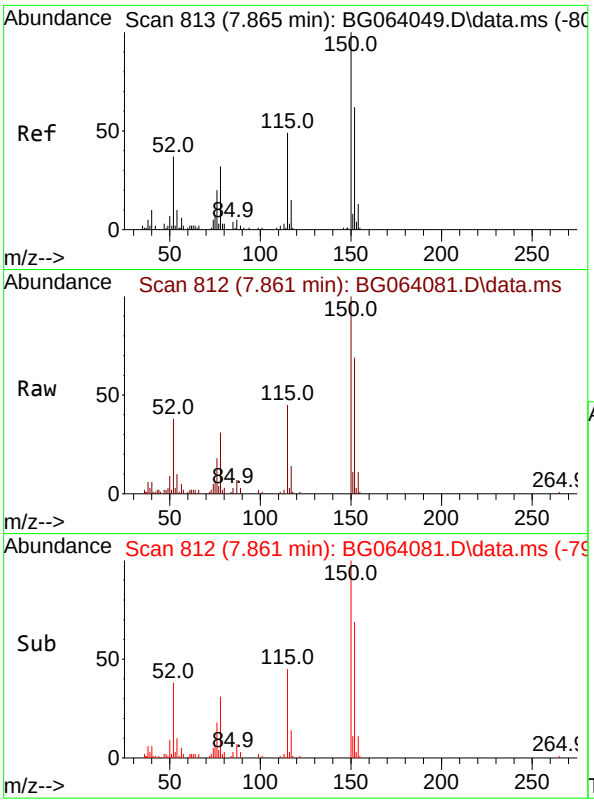
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064081.D
Acq On : 10 Mar 2025 15:04
Operator : RC/JU
Sample : Q1488-12
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB02

Quant Time: Mar 10 16:46:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



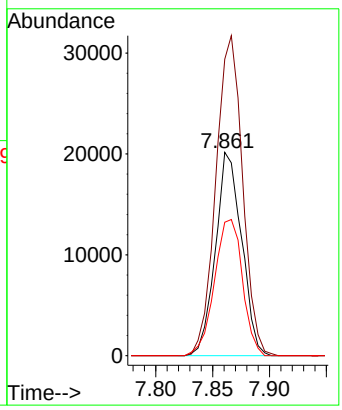


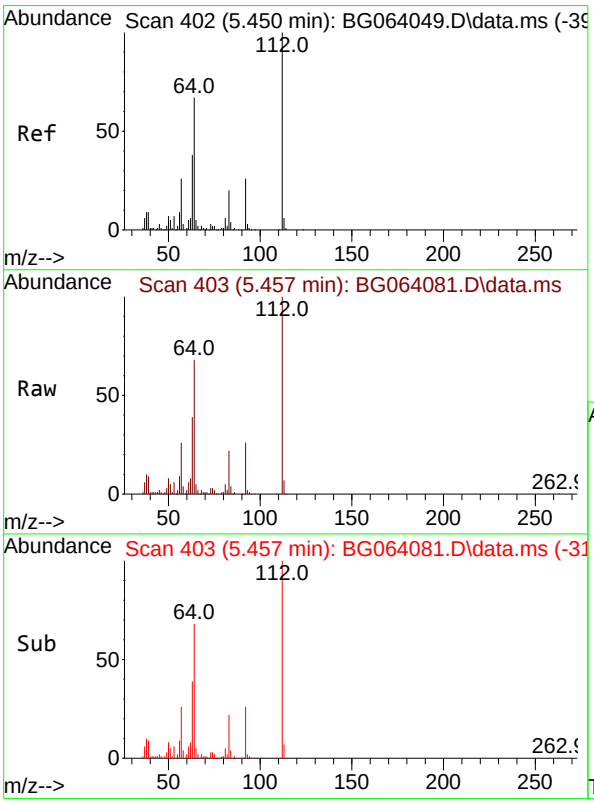
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB02

Tgt Ion:152 Resp: 32215

Ion	Ratio	Lower	Upper
152	100		
150	145.8	129.2	193.8
115	65.6	63.0	94.6

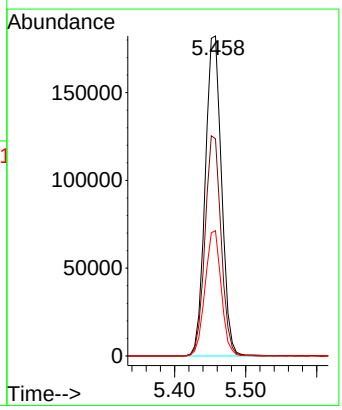


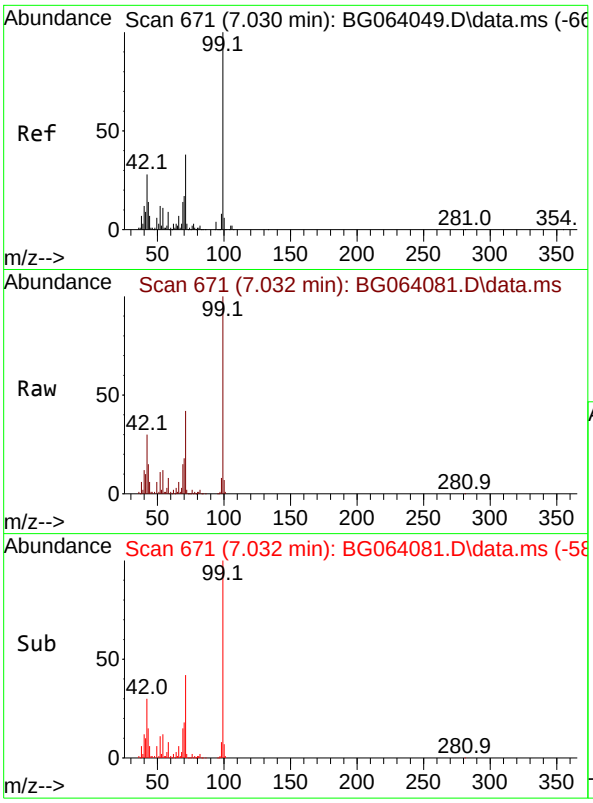


#5
2-Fluorophenol
Concen: 141.245 ng
RT: 5.457 min Scan# 403
Delta R.T. 0.008 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

Tgt Ion:112 Resp: 291410

Ion	Ratio	Lower	Upper
112	100		
64	67.8	53.7	80.5
63	39.1	30.2	45.4



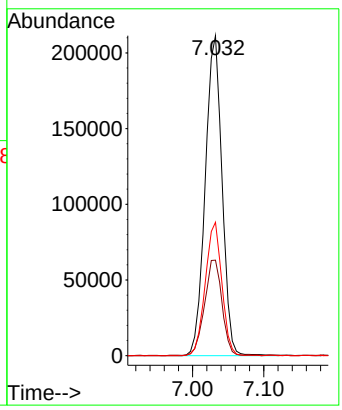


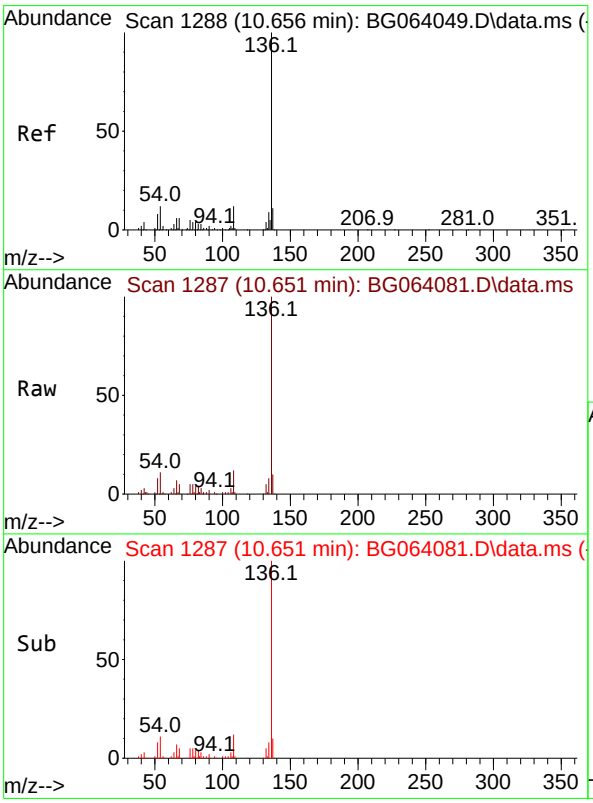
#7
Phenol-d6
Concen: 123.746 ng
RT: 7.032 min Scan# 6
Delta R.T. 0.002 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB02

Tgt Ion: 99 Resp: 347316

Ion	Ratio	Lower	Upper
99	100		
42	29.9	22.7	34.1
71	41.7	30.6	46.0

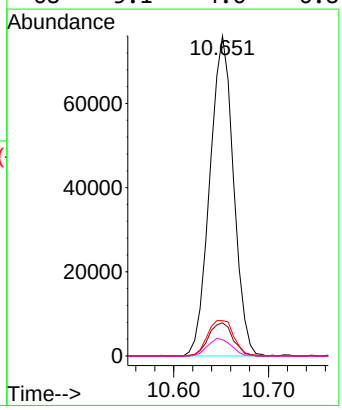


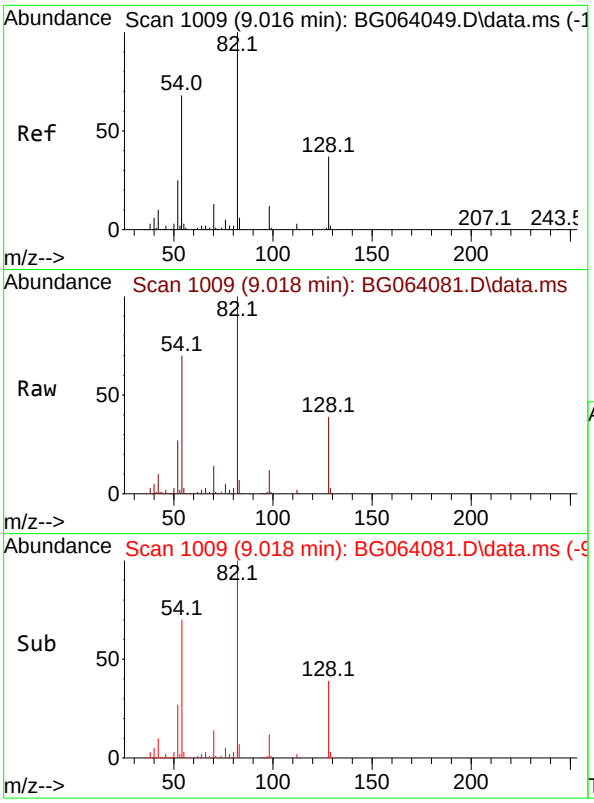


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1287
Delta R.T. -0.005 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

Tgt Ion:136 Resp: 132011

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.5	12.7
54	11.1	9.9	14.9
68	5.1	4.6	6.8



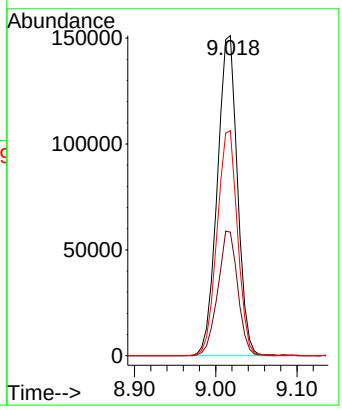


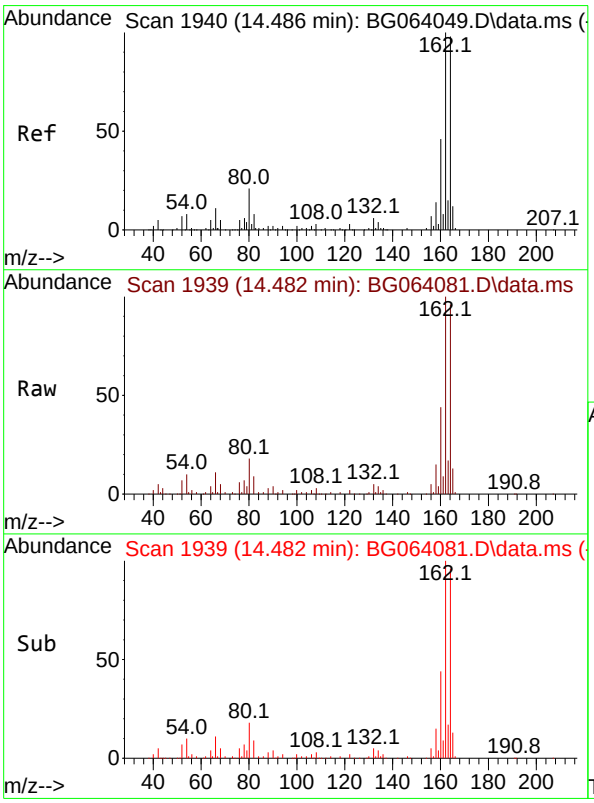
#23
Nitrobenzene-d5
Concen: 109.055 ng
RT: 9.018 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB02

Tgt Ion: 82 Resp: 260514

Ion	Ratio	Lower	Upper
82	100		
128	38.6	30.0	45.0
54	70.3	54.7	82.1

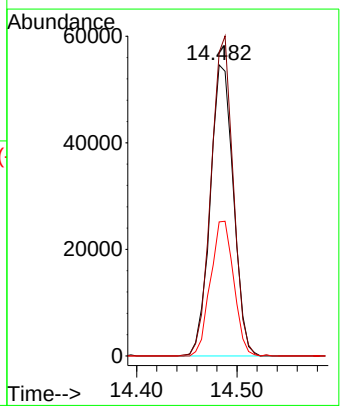


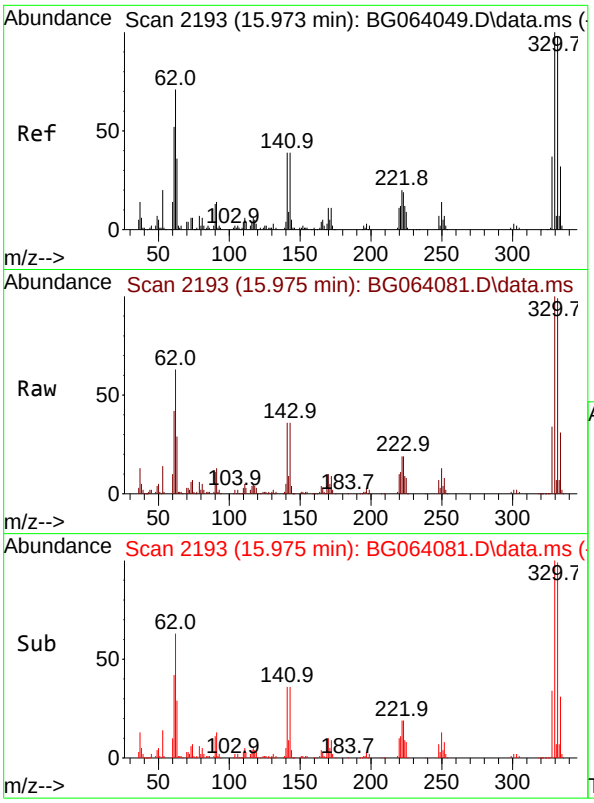


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.482 min Scan# 1939
Delta R.T. -0.004 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

Tgt Ion:164 Resp: 87599

Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.4	122.0
160	46.1	37.0	55.6



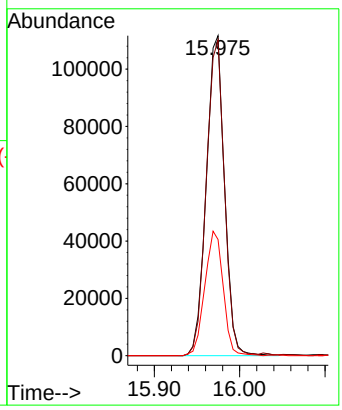


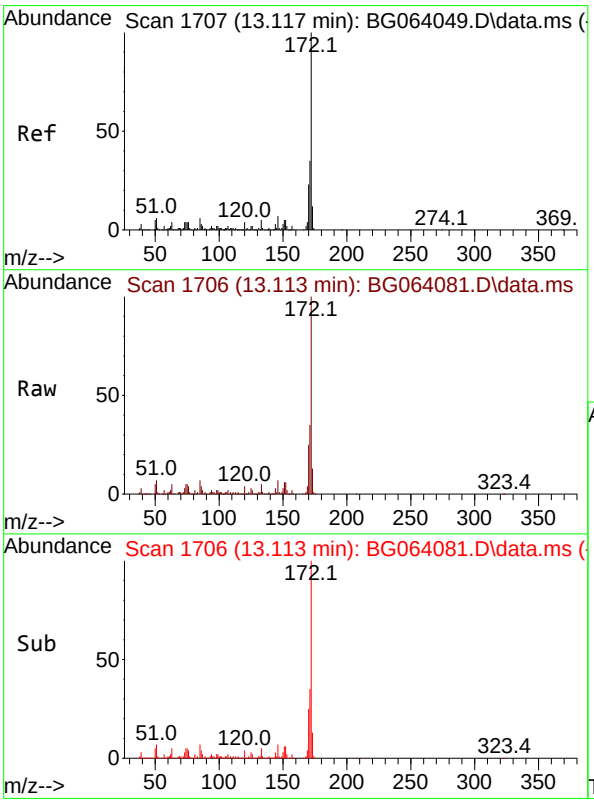
#42
2,4,6-Tribromophenol
Concen: 170.055 ng
RT: 15.975 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB02

Tgt Ion:330 Resp: 165587

Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.7	115.1
141	39.2	29.7	44.5

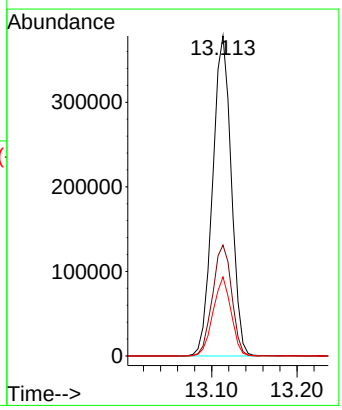


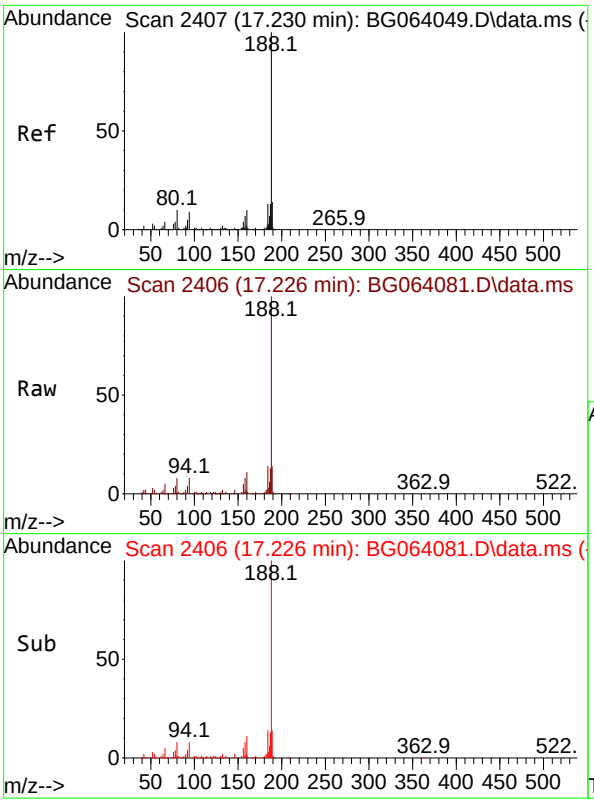


#45
2-Fluorobiphenyl
Concen: 99.595 ng
RT: 13.113 min Scan# 1706
Delta R.T. -0.004 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

Tgt Ion:172 Resp: 574775

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.0	42.0
170	24.7	18.7	28.1



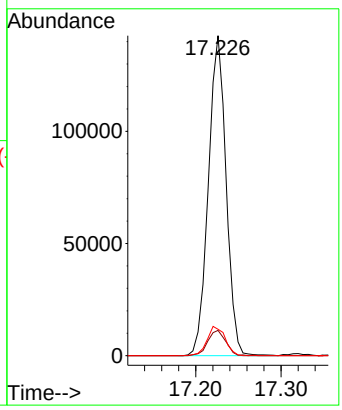


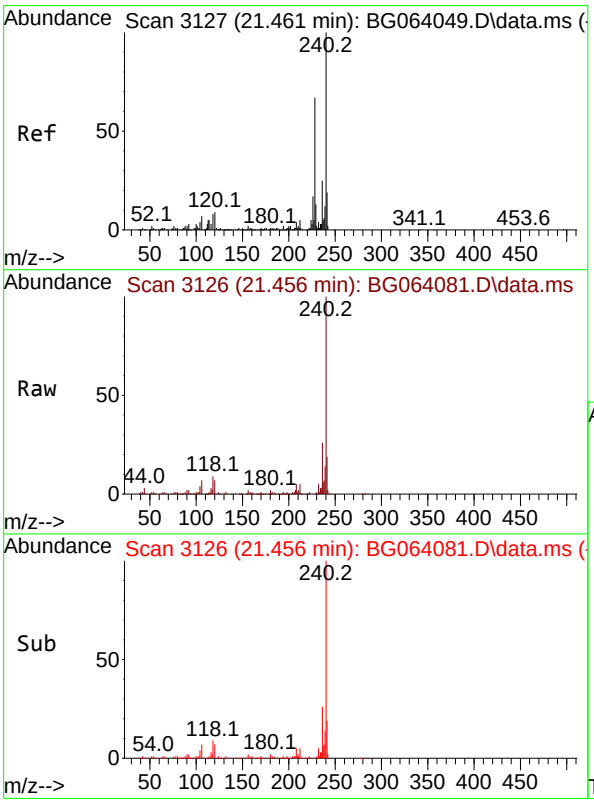
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.226 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB02

Tgt Ion:188 Resp: 206278

Ion	Ratio	Lower	Upper
188	100		
94	7.9	6.9	10.3
80	8.2	8.1	12.1

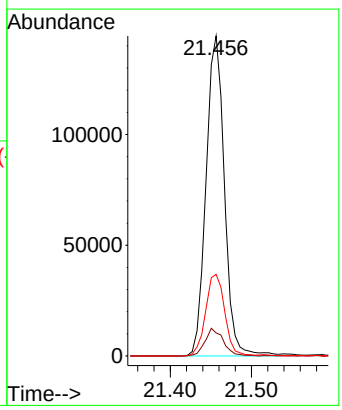


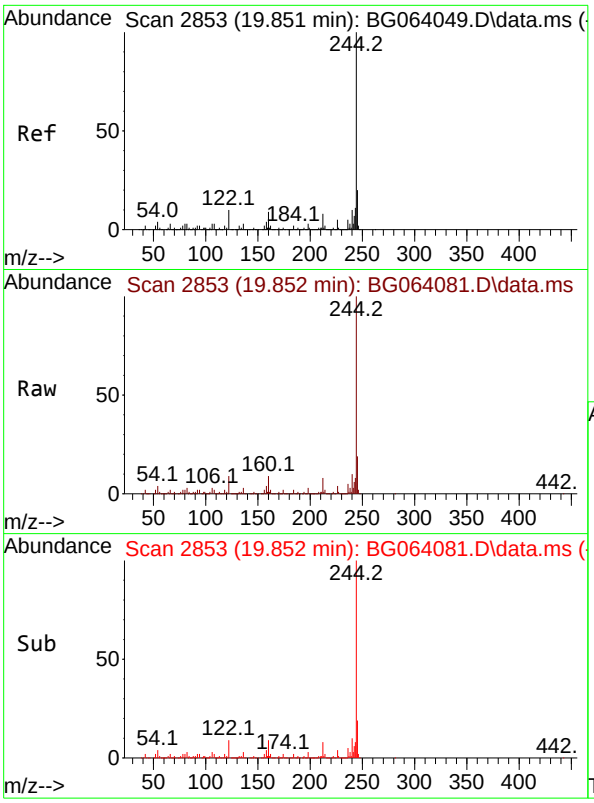


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3126
Delta R.T. -0.004 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

Tgt Ion:240 Resp: 226436

Ion	Ratio	Lower	Upper
240	100		
120	7.2	7.2	10.8
236	25.5	20.2	30.2



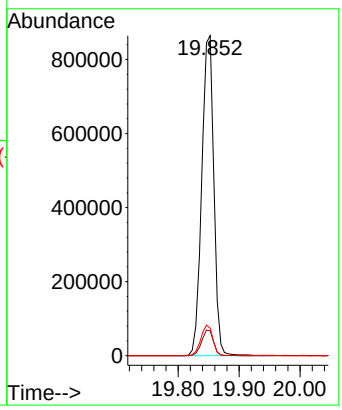


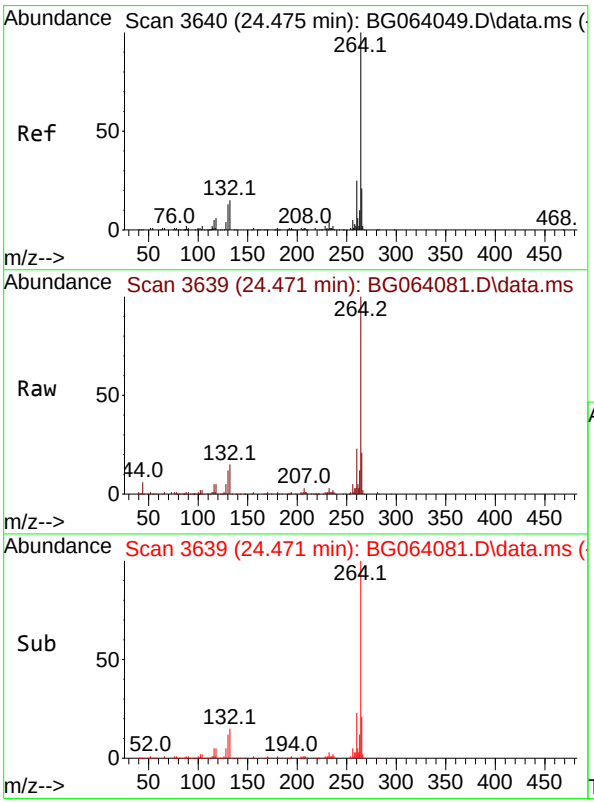
#79
Terphenyl-d14
Concen: 106.338 ng
RT: 19.852 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

Instrument :
BNA_G
ClientSampleId :
ENV-104-SB02

Tgt Ion:244 Resp: 1190844

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.4
122	8.6	8.0	12.0

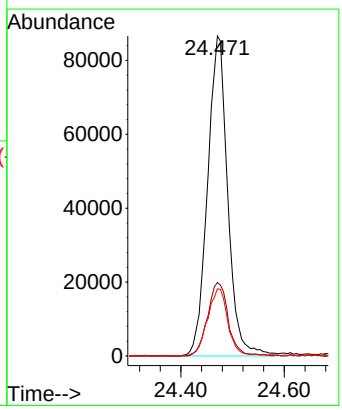




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.471 min Scan# 3639
Delta R.T. -0.004 min
Lab File: BG064081.D
Acq: 10 Mar 2025 15:04

Tgt Ion:264 Resp: 234414

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.6	29.4
265	21.0	16.6	25.0



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: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: BNA_F Calibration Date(s): 02/27/2025 02/27/2025

Calibration Time(s): 15:17 18:45

LAB FILE ID: RRF2.5 = BF141793.D RRF005 = BF141794.D RRF010 = BF141795.D
RRF020 = BF141796.D RRF040 = BF141797.D RRF050 = BF141798.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.403	1.412	1.486	1.476	1.380	1.414	3.5
2-Fluorophenol		1.348	1.315	1.326	1.286	1.185	1.252	6.9
Phenol-d6		1.750	1.707	1.728	1.684	1.541	1.630	6.9
1,4-Dichlorobenzene		1.554	1.533	1.549	1.512	1.390	1.462	6.7
2-Methylphenol		1.155	1.132	1.165	1.164	1.079	1.118	4.2
3+4-Methylphenols		1.507	1.510	1.506	1.442	1.304	1.392	9.3
Nitrobenzene-d5		0.248	0.271	0.318	0.341	0.332	0.313	12.1
Hexachloroethane		0.559	0.542	0.575	0.578	0.533	0.547	4.4
Nitrobenzene		0.273	0.303	0.346	0.363	0.349	0.335	10.1
Hexachlorobutadiene		0.199	0.193	0.202	0.199	0.188	0.194	3.0
2,4,6-Trichlorophenol		0.355	0.368	0.381	0.398	0.366	0.373	3.7
2-Fluorobiphenyl		1.443	1.387	1.346	1.237	1.128	1.247	11.9
2,4,5-Trichlorophenol		0.348	0.364	0.388	0.383	0.364	0.369	3.9
2,4-Dinitrotoluene		0.151	0.198	0.265	0.313	0.310	0.269	25.6
2,4,6-Tribromophenol		0.175	0.179	0.188	0.199	0.183	0.188	4.8
Hexachlorobenzene		0.253	0.249	0.255	0.251	0.240	0.247	2.8
Pentachlorophenol		0.137	0.146	0.161	0.169	0.159	0.156	7.1
Terphenyl-d14		1.250	1.233	1.297	1.259	1.230	1.236	3.4

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Feb 28 01:48:16 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141793.D 5 =BF141794.D 10 =BF141795.D 20 =BF141796.D 40 =BF141797.D 50 =BF141798.D 60 =BF141799.D 80 =BF141800.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.613	0.554	0.576	0.596	0.545	0.554	0.541	0.568	4.81
3)		Pyridine		1.403	1.412	1.486	1.476	1.380	1.389	1.350	1.414	3.54
4)		n-Nitrosodimet...		0.634	0.666	0.689	0.730	0.674	0.686	0.683	0.680	4.21
5)	S	2-Fluorophenol		1.348	1.315	1.326	1.286	1.185	1.176	1.131	1.252	6.91
6)		Aniline		1.746	1.727	1.805	1.809	1.642	1.625	1.509	1.695	6.42
7)	S	Phenol-d6		1.750	1.707	1.728	1.684	1.541	1.523	1.477	1.630	6.90
8)		2-Chlorophenol		1.442	1.406	1.439	1.412	1.299	1.266	1.220	1.355	6.72
9)		Benzaldehyde		1.151	1.088	1.024	0.982	0.874	0.824	0.694	0.948	16.84
10)	C	Phenol		1.854	1.823	1.866	1.819	1.641	1.625	1.564	1.742	7.26
11)		bis(2-Chloroet...		1.377	1.376	1.392	1.339	1.279	1.265	1.265	1.328	4.26
12)		1,3-Dichlorobe...		1.544	1.520	1.541	1.504	1.378	1.361	1.308	1.451	6.80
13)	C	1,4-Dichlorobe...		1.554	1.533	1.549	1.512	1.390	1.377	1.317	1.462	6.66
14)		1,2-Dichlorobe...		1.493	1.444	1.476	1.401	1.286	1.270	1.186	1.365	8.63
15)		Benzyl Alcohol		1.347	1.353	1.374	1.366	1.258	1.241	1.180	1.303	5.82
16)		2,2'-oxybis(1-...		2.139	2.094	2.149	2.079	1.930	1.910	1.814	2.016	6.47
17)		2-Methylphenol		1.155	1.132	1.165	1.164	1.079	1.084	1.049	1.118	4.22
18)		Hexachloroethane		0.559	0.542	0.575	0.578	0.533	0.530	0.513	0.547	4.39
19)	P	n-Nitroso-di-n...	1.133	1.136	1.105	1.120	1.087	1.009	1.007	0.975	1.072	6.01
20)		3+4-Methylphenols		1.507	1.510	1.506	1.442	1.304	1.281	1.198	1.392	9.29
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.539	0.517	0.512	0.497	0.456	0.455	0.434	0.487	8.04
23)	S	Nitrobenzene-d5		0.248	0.271	0.318	0.341	0.332	0.340	0.339	0.313	12.10
24)		Nitrobenzene		0.273	0.303	0.346	0.363	0.349	0.357	0.354	0.335	10.07
25)		Isophorone		0.702	0.682	0.690	0.682	0.642	0.659	0.649	0.672	3.35
26)	C	2-Nitrophenol		0.079	0.090	0.116	0.144	0.145	0.155	0.158	0.127	25.21
27)		2,4-Dimethylph...		0.258	0.250	0.256	0.254	0.238	0.238	0.236	0.247	3.87
28)		bis(2-Chloroet...		0.463	0.448	0.450	0.435	0.404	0.408	0.394	0.429	6.19
29)	C	2,4-Dichloroph...		0.280	0.288	0.296	0.298	0.277	0.281	0.275	0.285	3.20
30)		1,2,4-Trichlor...		0.328	0.321	0.327	0.319	0.298	0.301	0.292	0.312	4.71
31)		Naphthalene		1.140	1.097	1.100	1.043	0.960	0.950	0.906	1.028	8.74
32)		Benzoic acid			0.099	0.145	0.191	0.200	0.215	0.226	0.179	26.89
33)		4-Chloroaniline		0.402	0.392	0.398	0.379	0.350	0.356	0.360	0.377	5.66
34)	C	Hexachlorobuta...		0.199	0.193	0.202	0.199	0.188	0.191	0.187	0.194	2.98
35)		Caprolactam		0.087	0.086	0.090	0.091	0.085	0.089	0.086	0.088	2.77
36)	C	4-Chloro-3-met...		0.333	0.316	0.329	0.326	0.300	0.310	0.303	0.317	4.16
37)		2-Methylnaphth...		0.762	0.725	0.723	0.677	0.621	0.619	0.591	0.674	9.66
38)		1-Methylnaphth...		0.734	0.688	0.697	0.652	0.594	0.594	0.570	0.647	9.67

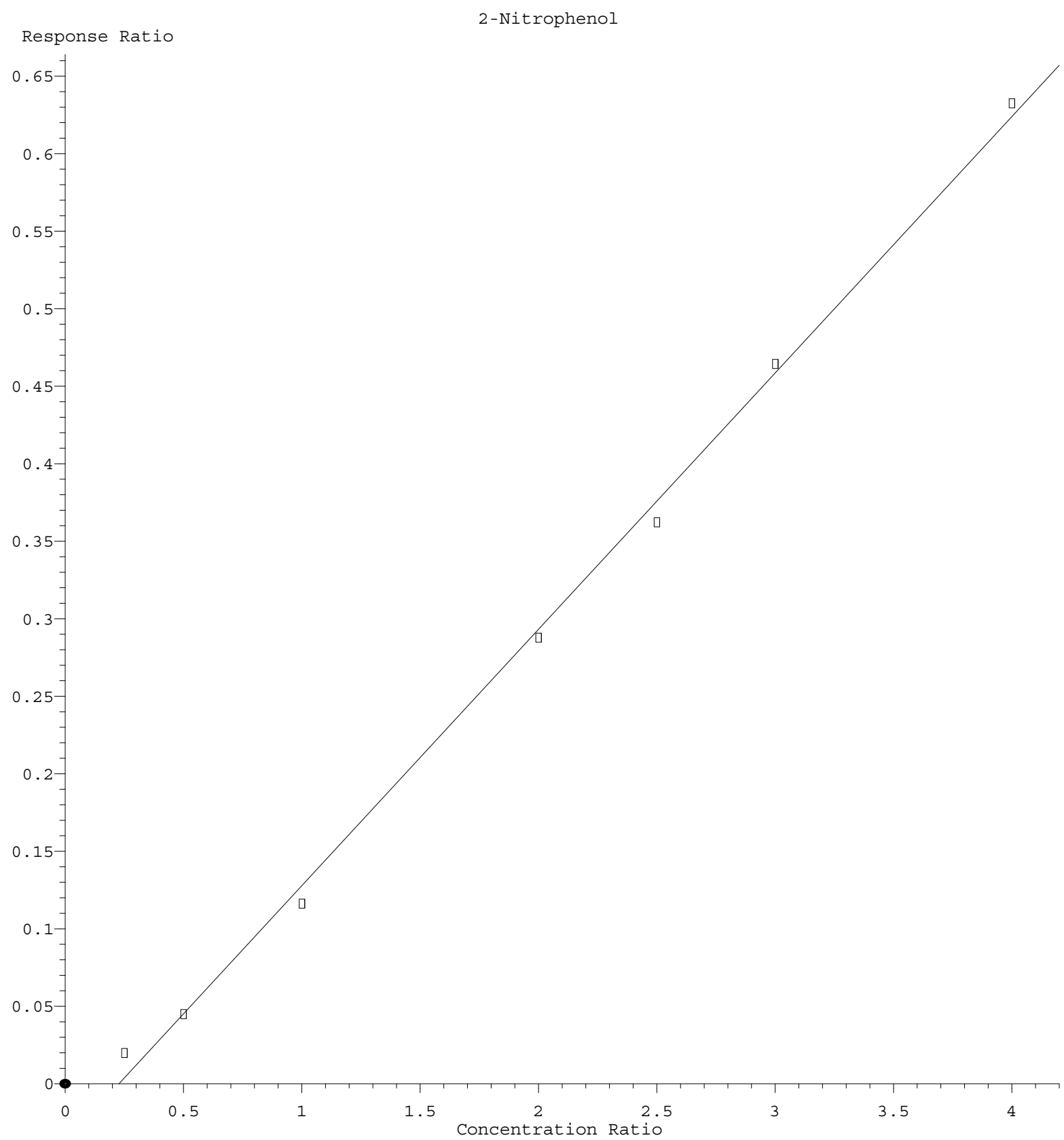
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022725.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.609	0.600	0.602	0.589	0.549	0.553	0.540	0.578	5.03
41)	P	Hexachlorocycl...	0.217	0.230	0.252	0.258	0.246	0.247	0.236	0.241	5.87
42)	S	2,4,6-Tribromo...	0.175	0.179	0.188	0.199	0.183	0.196	0.194	0.188	4.80
43)	C	2,4,6-Trichlor...	0.355	0.368	0.381	0.398	0.366	0.368	0.377	0.373	3.65
44)		2,4,5-Trichlor...	0.348	0.364	0.388	0.383	0.364	0.380	0.360	0.369	3.89
45)	S	2-Fluorobiphenyl	1.443	1.387	1.346	1.237	1.128	1.141	1.049	1.247	11.93
46)		1,1'-Biphenyl	1.694	1.659	1.630	1.519	1.413	1.419	1.323	1.522	9.38
47)		2-Chloronaphth...	1.211	1.184	1.201	1.135	1.058	1.071	1.006	1.124	7.10
48)		2-Nitroaniline	0.152	0.187	0.246	0.300	0.297	0.319	0.323	0.260	26.00
49)		Acenaphthylene	1.847	1.809	1.798	1.711	1.560	1.596	1.472	1.685	8.54
50)		Dimethylphthalate	1.431	1.405	1.405	1.363	1.262	1.285	1.224	1.339	6.09
51)		2,6-Dinitrotol...	0.136	0.184	0.231	0.257	0.251	0.265	0.261	0.226	21.50
52)	C	Acenaphthene	1.217	1.201	1.197	1.150	1.068	1.084	1.039	1.137	6.37
53)		3-Nitroaniline	0.146	0.193	0.243	0.277	0.264	0.282	0.280	0.241	21.68
54)	P	2,4-Dinitrophenol		0.049	0.066	0.093	0.096	0.112	0.116	0.089	29.73
55)		Dibenzofuran	1.850	1.794	1.765	1.663	1.532	1.542	1.436	1.654	9.40
56)	P	4-Nitrophenol	0.129	0.159	0.197	0.228	0.215	0.229	0.227	0.198	19.87
57)		2,4-Dinitrotol...	0.151	0.198	0.265	0.313	0.310	0.325	0.320	0.269	25.57
58)		Fluorene	1.433	1.367	1.313	1.228	1.128	1.134	1.072	1.239	10.97
59)		2,3,4,6-Tetrac...	0.313	0.314	0.336	0.339	0.309	0.322	0.315	0.321	3.66
60)		Diethylphthalate	1.429	1.413	1.428	1.383	1.259	1.275	1.212	1.343	6.78
61)		4-Chlorophenyl...	0.691	0.665	0.654	0.620	0.572	0.583	0.562	0.621	8.09
62)		4-Nitroaniline	0.149	0.187	0.229	0.267	0.248	0.265	0.256	0.229	19.54
63)		Azobenzene	1.544	1.503	1.505	1.437	1.320	1.325	1.262	1.414	7.81
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.043	0.063	0.087	0.090	0.100	0.103	0.081	28.86
66)	c	n-Nitrosodiphe...	0.702	0.681	0.689	0.665	0.631	0.623	0.607	0.657	5.56
67)		4-Bromophenyl-...	0.241	0.237	0.239	0.238	0.227	0.230	0.224	0.234	2.86
68)		Hexachlorobenzene	0.253	0.249	0.255	0.251	0.240	0.242	0.237	0.247	2.79
69)		Atrazine	0.213	0.208	0.196	0.179	0.149	0.139		0.181	17.11
70)	C	Pentachlorophenol	0.137	0.146	0.161	0.169	0.159	0.164	0.160	0.156	7.07
71)		Phenanthrene	1.186	1.152	1.134	1.073	1.001	1.001	0.940	1.070	8.58
72)		Anthracene	1.203	1.156	1.155	1.068	1.002	0.990	0.931	1.072	9.54
73)		Carbazole	1.074	1.010	1.014	0.955	0.882	0.871	0.821	0.947	9.69
74)		Di-n-butylphth...	1.335	1.291	1.291	1.208	1.128	1.114	1.035	1.200	9.30
75)	C	Fluoranthene	1.285	1.216	1.192	1.089	0.992	0.981	0.917	1.096	12.66
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.342	0.198	0.259	0.214	0.181	0.316	0.252	26.09
78)		Pyrene	1.698	1.687	1.815	1.796	1.738	1.734	1.656	1.732	3.32
79)	S	Terphenyl-d14	1.250	1.233	1.297	1.259	1.230	1.227	1.157	1.236	3.43
80)		Butylbenzylpht...	0.546	0.579	0.643	0.668	0.650	0.667	0.652	0.629	7.54
81)		Benzo(a)anthra...	1.367	1.387	1.384	1.312	1.244	1.262	1.292	1.321	4.46
82)		3,3'-Dichlorob...	0.406	0.380	0.382	0.393	0.364	0.364	0.365	0.379	4.27
83)		Chrysene	1.303	1.184	1.235	1.265	1.185	1.209	1.144	1.218	4.42
84)		Bis(2-ethylhex...	0.702	0.696	0.788	0.832	0.811	0.828	0.827	0.783	7.59
85)	c	Di-n-octyl pht...	0.903	0.922	1.109	1.307	1.304	1.318	1.348	1.173	16.59

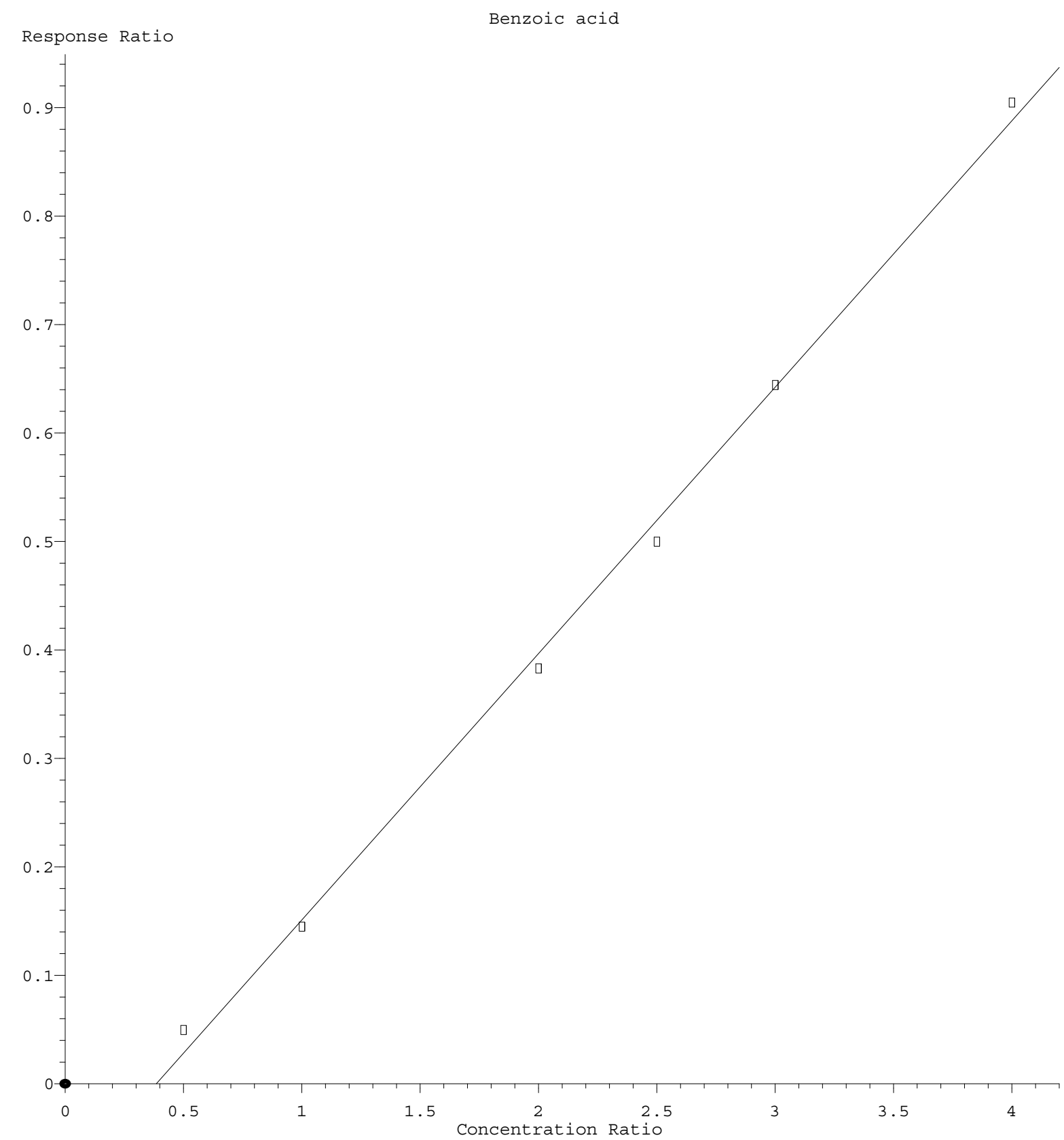
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF022725.M

86)	I	Perylene-d12	----------ISTD----------								
87)		Indeno(1,2,3-c...	1.097	1.126	1.240	1.346	1.337	1.371	1.397	1.274	9.52
88)		Benzo(b)fluora...	1.442	1.396	1.533	1.306	1.232	1.370	1.256	1.362	7.81
89)		Benzo(k)fluora...	1.274	1.240	1.098	1.214	1.165	1.040	1.074	1.158	7.70
90)	C	Benzo(a)pyrene	1.113	1.083	1.133	1.119	1.060	1.080	1.060	1.093	2.68
91)		Dibenzo(a,h)an...	0.902	0.931	1.025	1.109	1.094	1.101	1.115	1.040	8.63
92)		Benzo(g,h,i)pe...	0.898	0.929	1.034	1.130	1.129	1.156	1.179	1.065	10.60

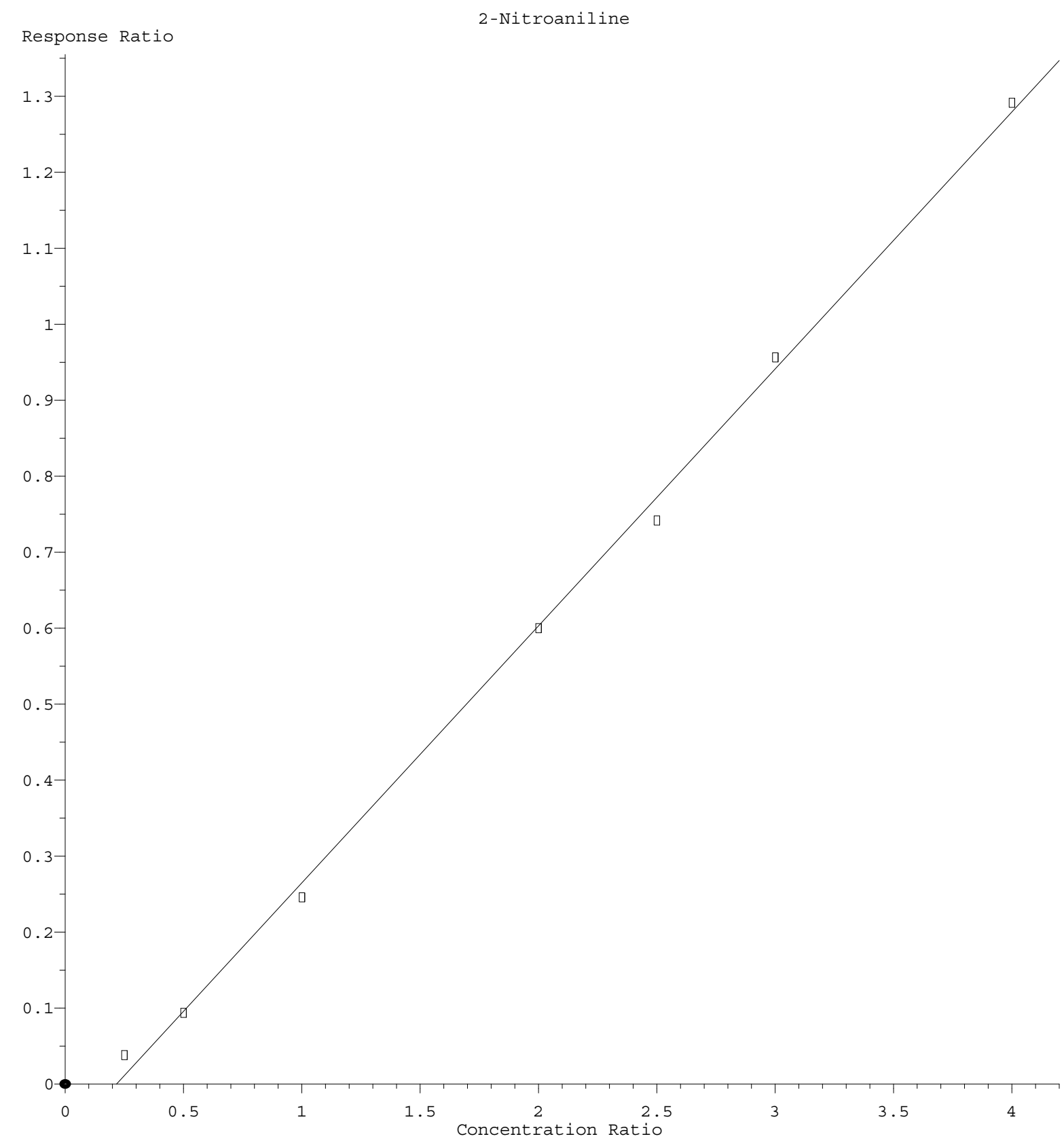
(#) = Out of Range



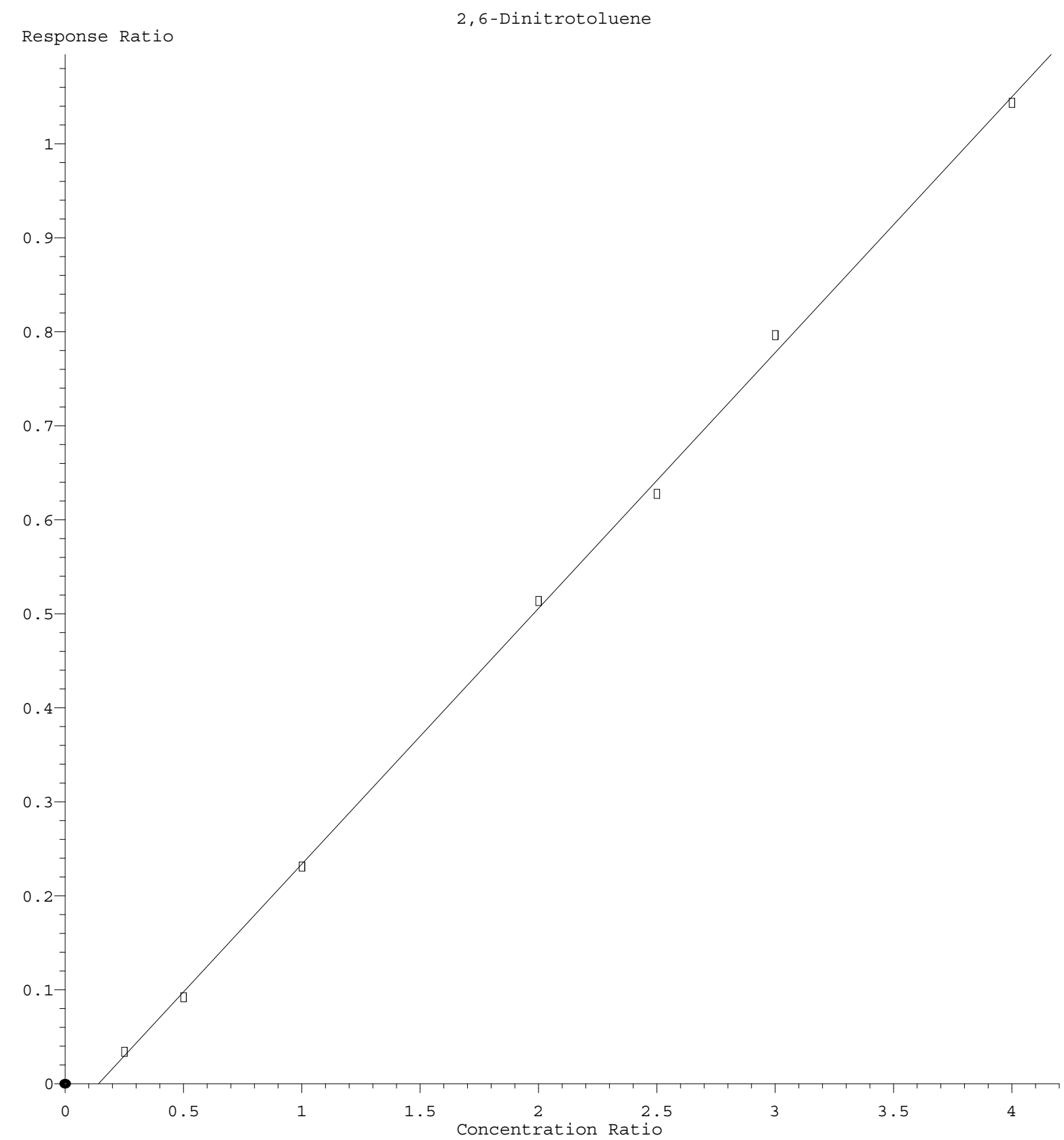
Response = 1.654e-001 * Amt - 3.762e-002
Coef of Det (r^2) = 0.997727 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



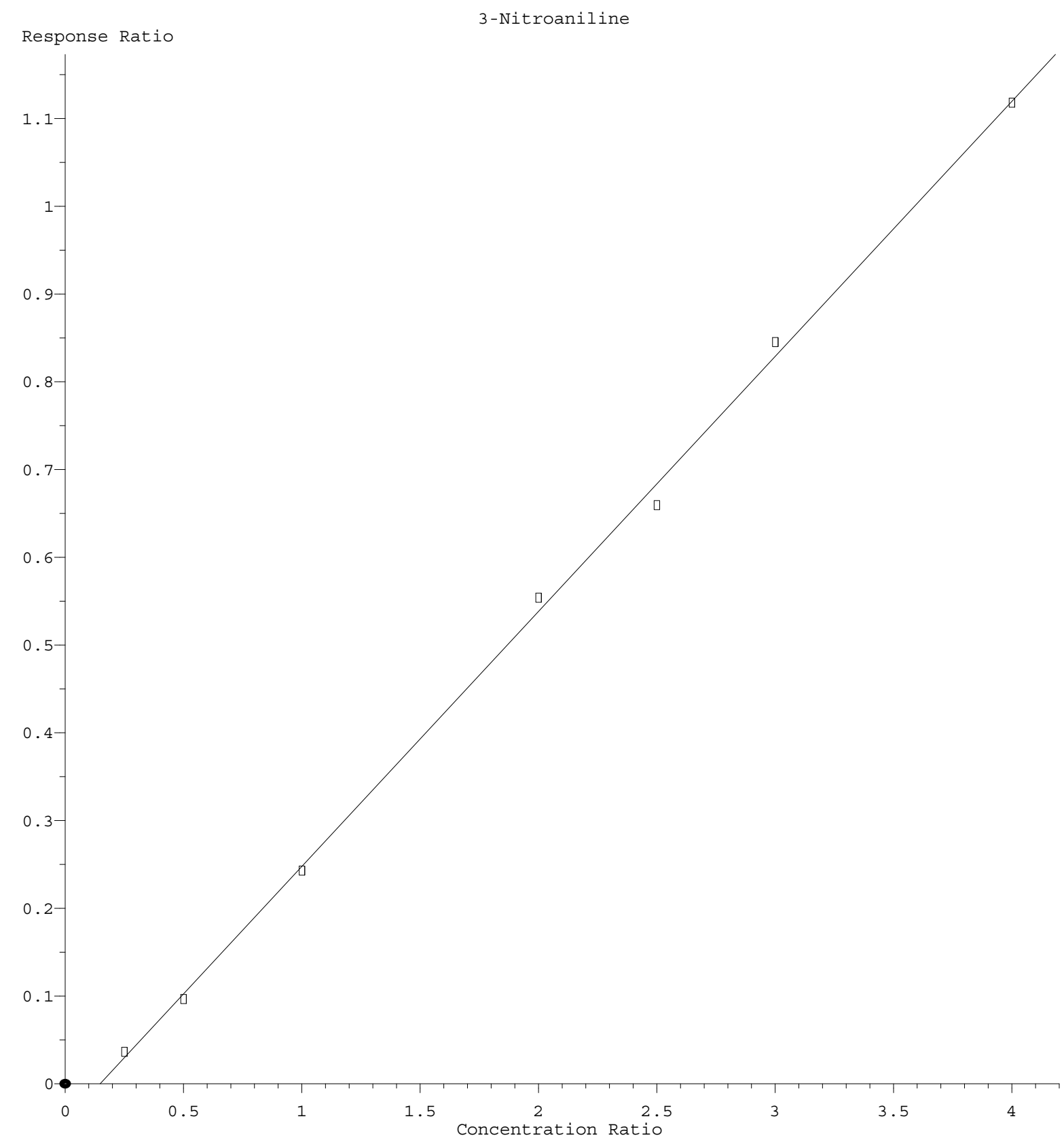
Response = 2.456e-001 * Amt - 9.444e-002
Coef of Det (r^2) = 0.997308 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



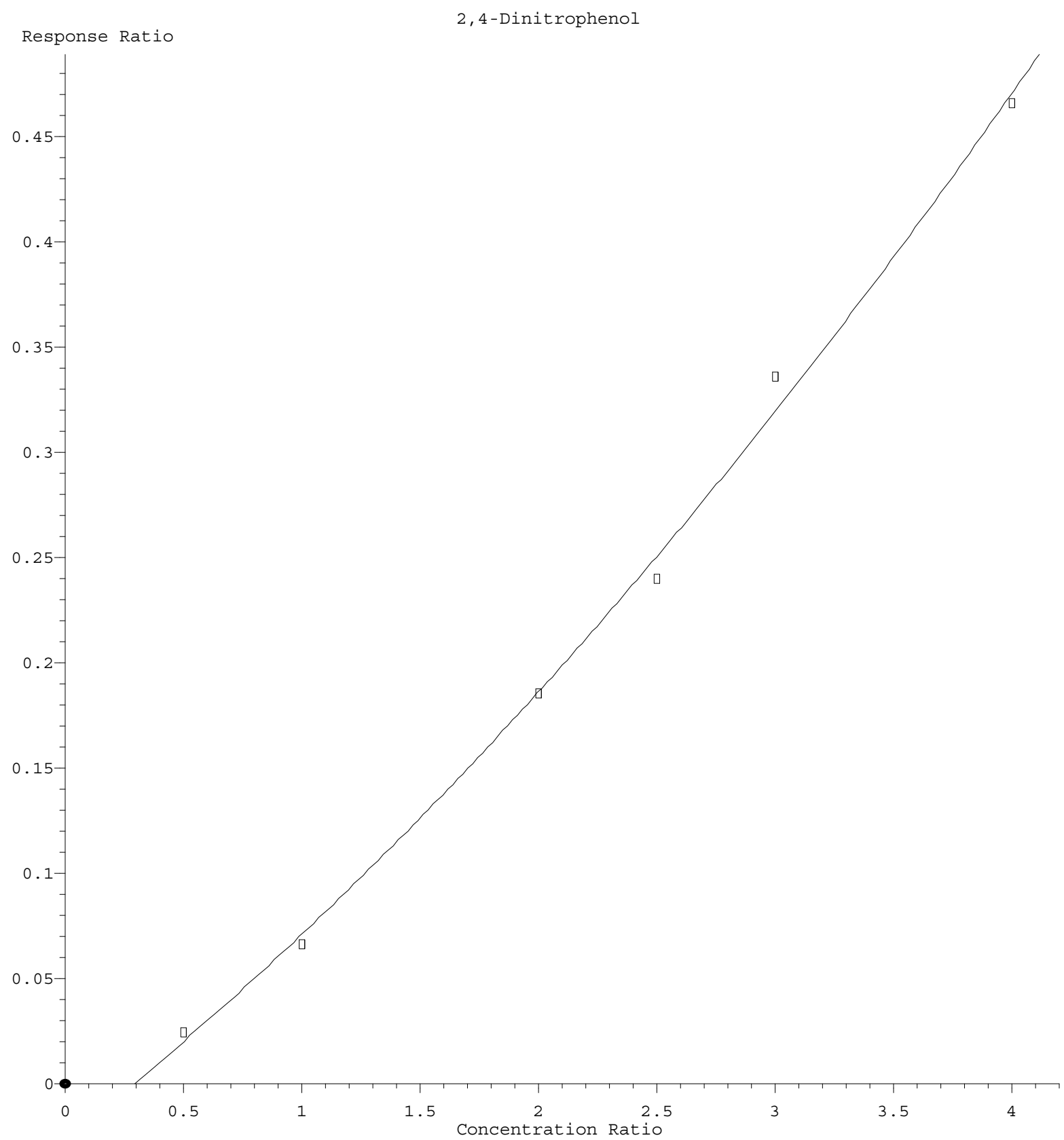
Response = 3.381e-001 * Amt - 7.336e-002
Coef of Det (r^2) = 0.998178 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



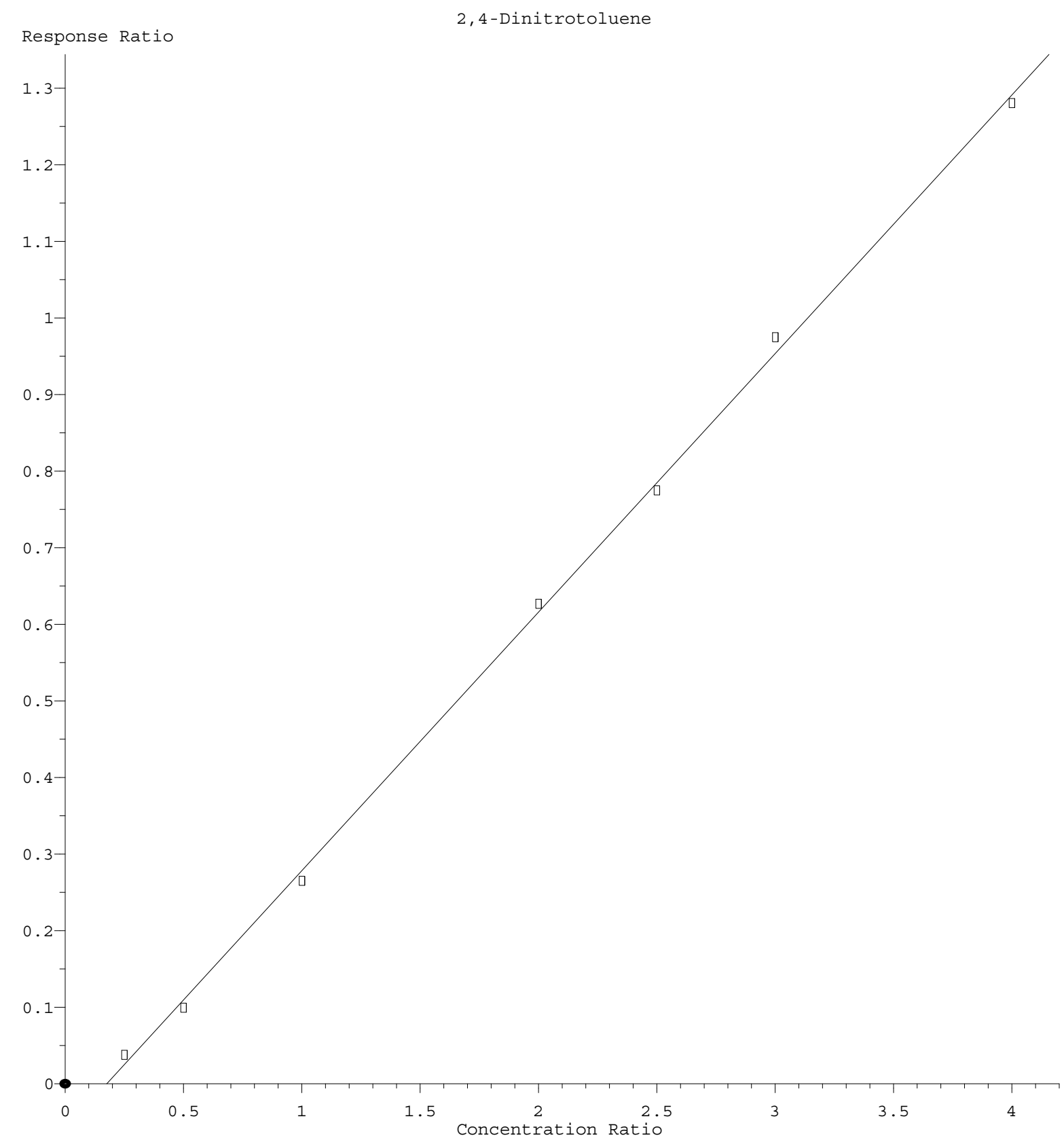
Response = 2.723e-001 * Amt - 3.850e-002
Coef of Det (r^2) = 0.999171 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



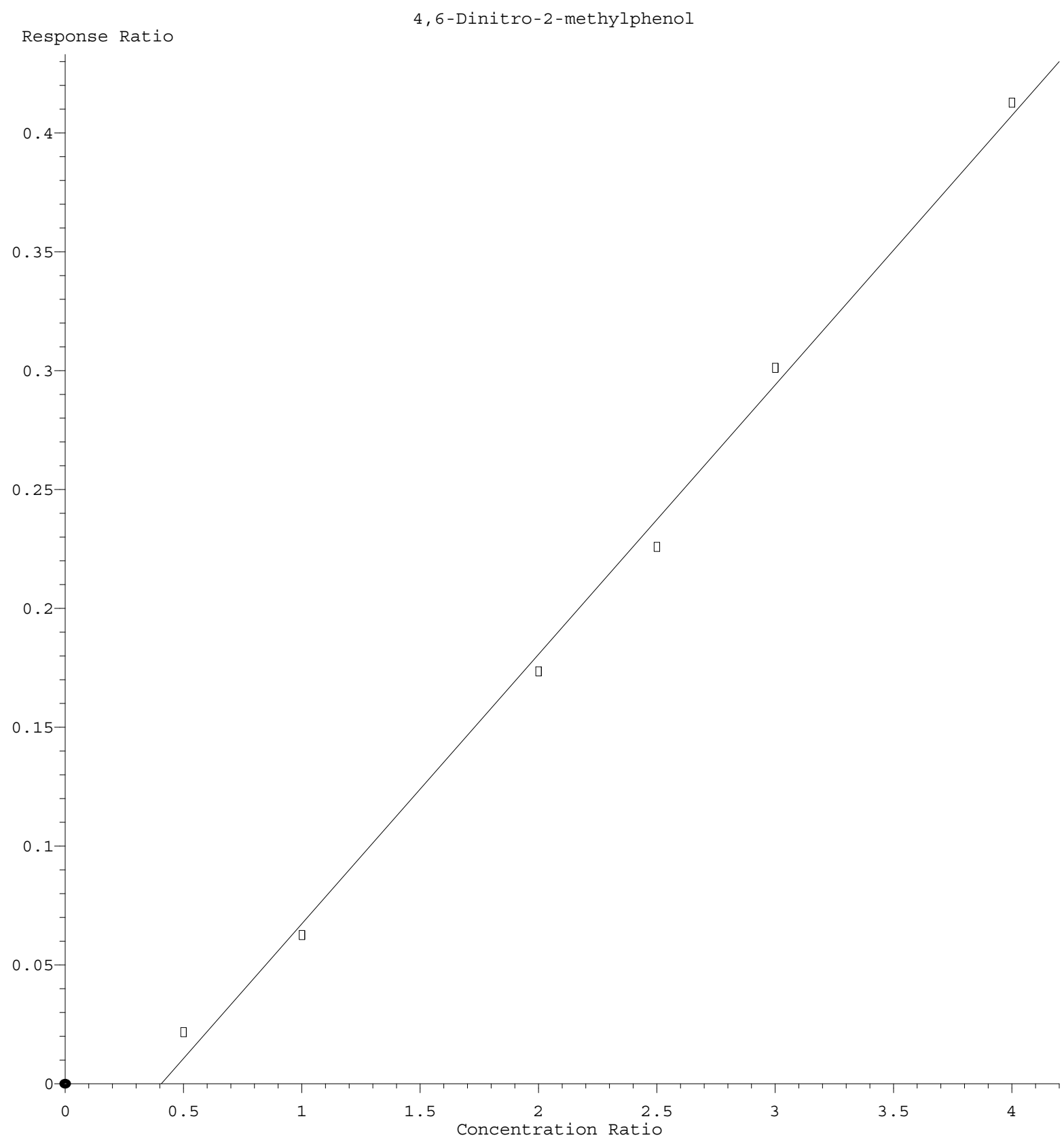
Response = 2.909e-001 * Amt - 4.315e-002
Coef of Det (r^2) = 0.998769 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



R = 8.979e-003 A*A + 8.829e-002 A - 2.630e-002
Coef of Det (r^2) = 0.996714 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



Response = 3.378e-001 * Amt - 5.953e-002
Coef of Det (r^2) = 0.999067 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025



Response = 1.134e-001 * Amt - 4.606e-002
Coef of Det (r^2) = 0.996201 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF022725.M
Calibration Table Last Updated: Fri Feb 28 01:48:16 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141793.D
Acq On : 27 Feb 2025 15:17
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 28 00:18:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 00:17:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	282413	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	1147711	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	650007	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1119232	20.000	ng	0.00
76) Chrysene-d12	14.045	240	894958	20.000	ng	0.00
86) Perylene-d12	15.521	264	684814	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.287	70	39992	2.936	ng	100

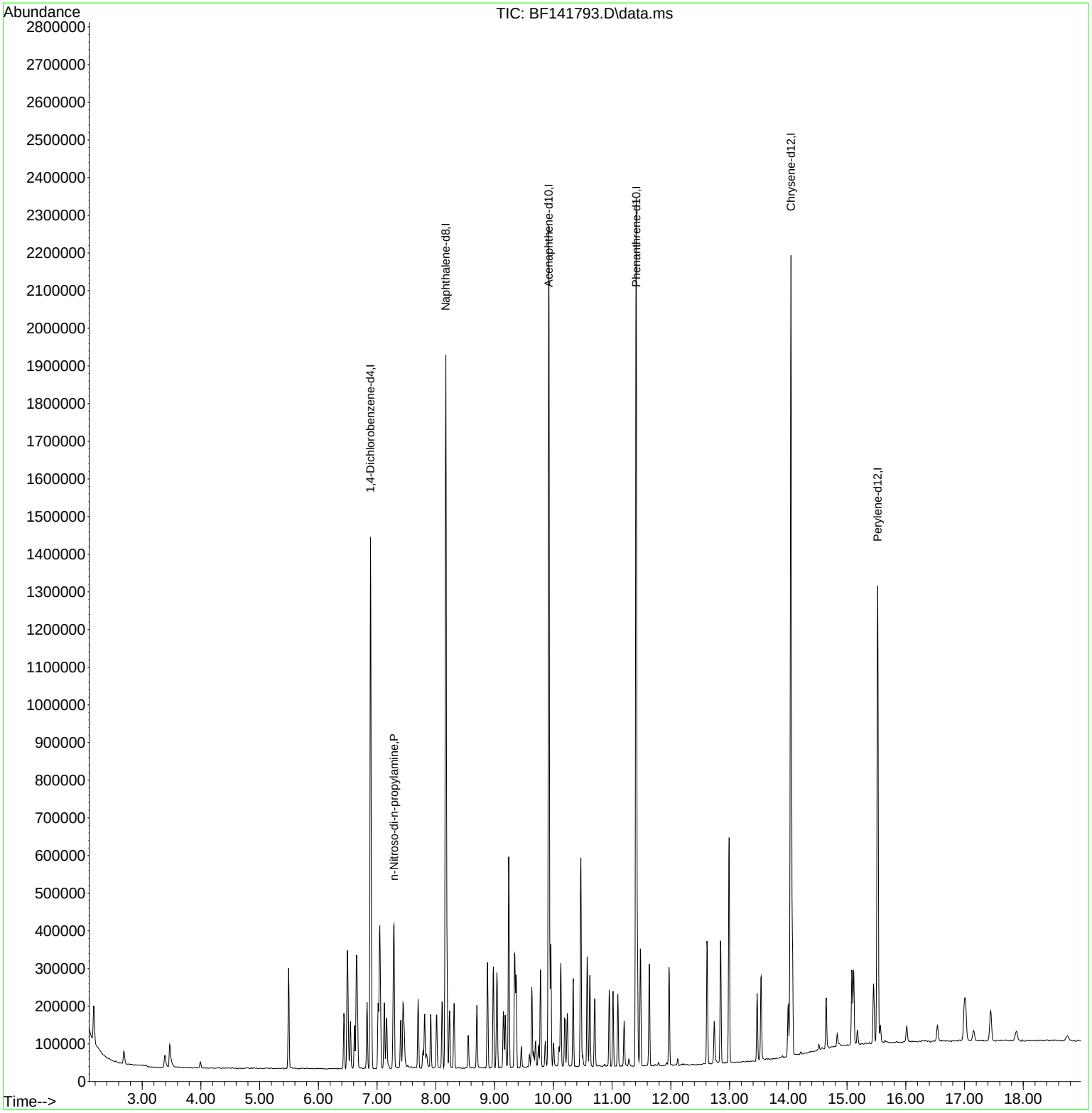
(#) = qualifier out of range (m) = manual integration (+) = signals summed

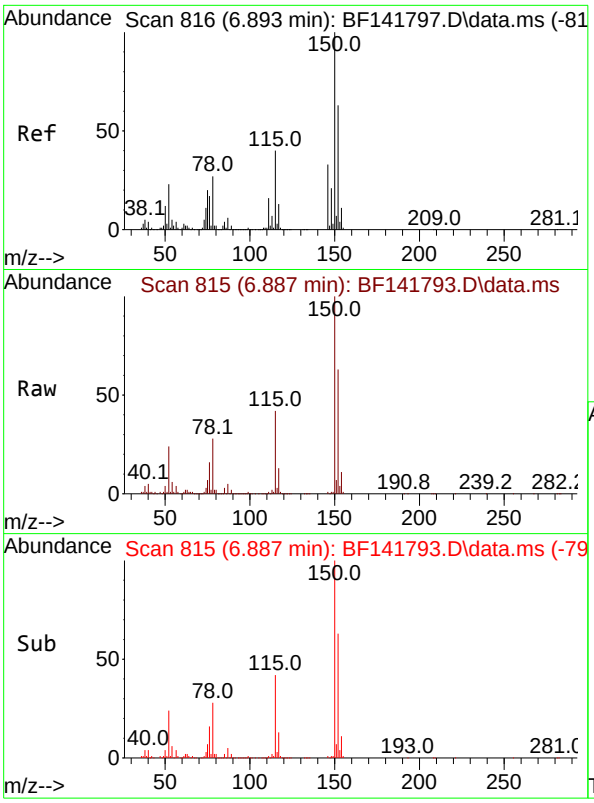
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141793.D
Acq On : 27 Feb 2025 15:17
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Feb 28 00:18:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 00:17:06 2025
Response via : Initial Calibration



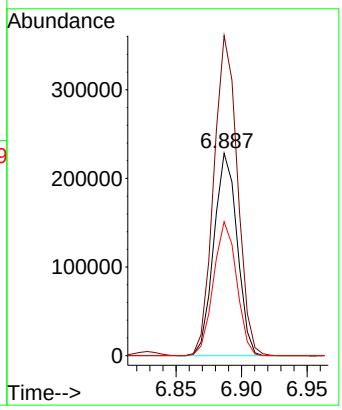


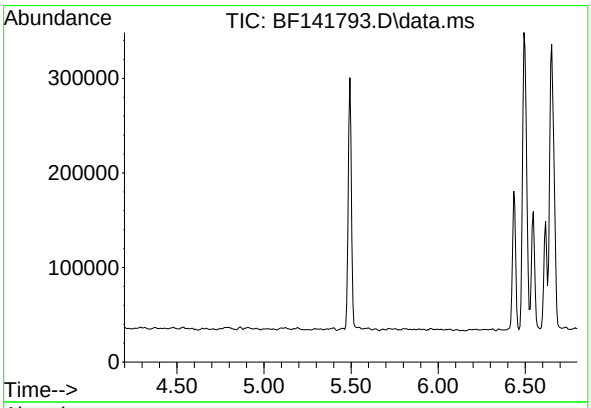
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 282413

Ion	Ratio	Lower	Upper
152	100		
150	158.1	127.5	191.3
115	66.2	51.4	77.2



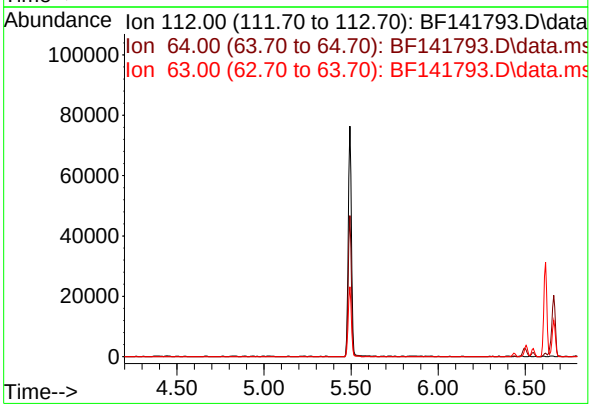


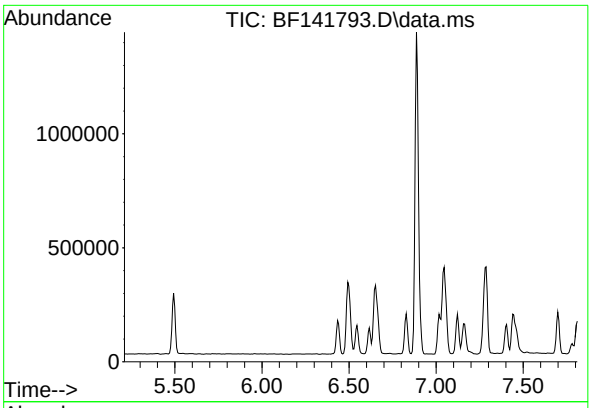
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.50 min

Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	64.1
63	32.8





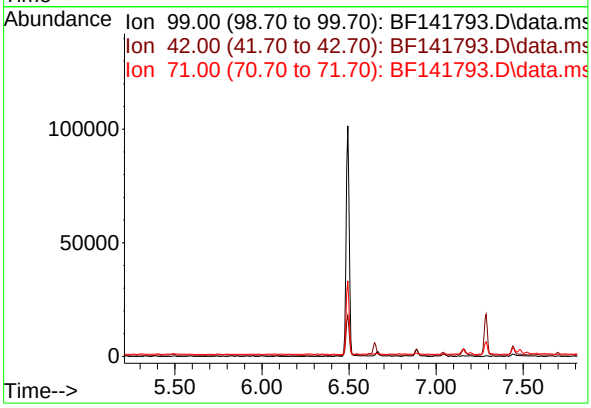
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.51 min

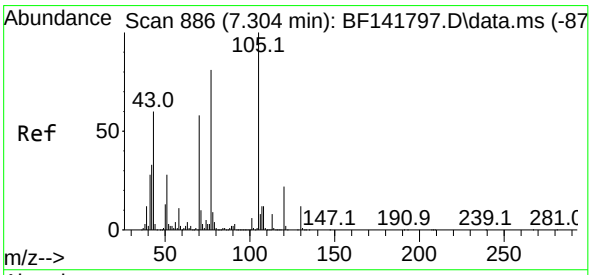
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

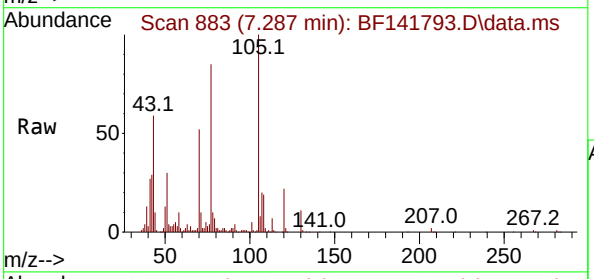
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

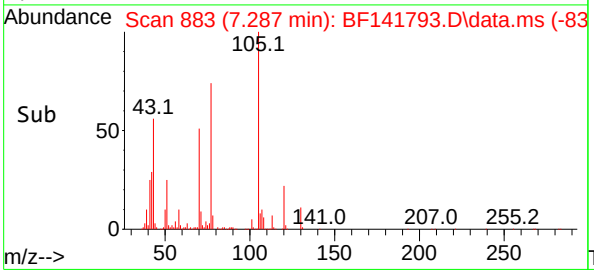
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	19.0
71	35.2





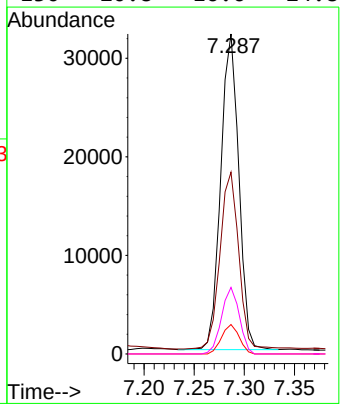


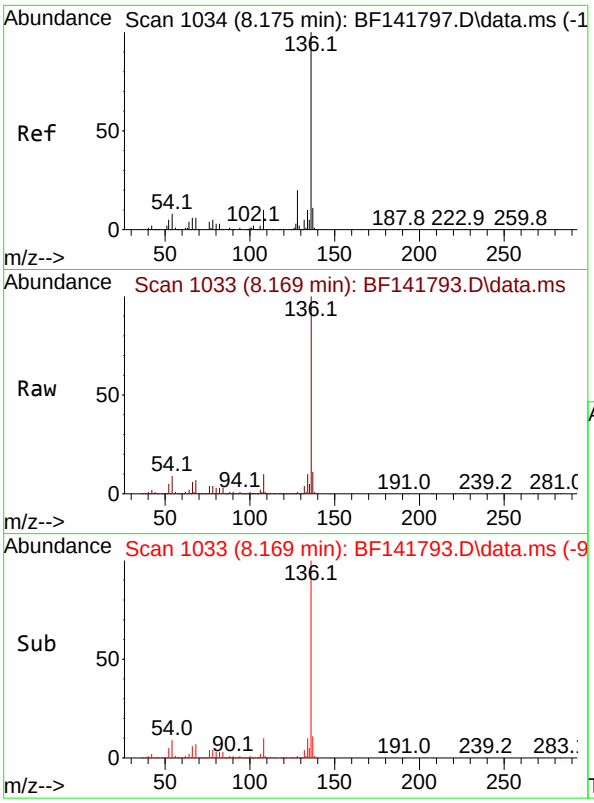


#19
n-Nitroso-di-n-propylamine
Concen: 2.936 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.018 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 70 Resp: 39992

Ion	Ratio	Lower	Upper
70	100		
42	56.8	45.4	68.0
101	9.2	7.8	11.8
130	20.8	16.6	24.8



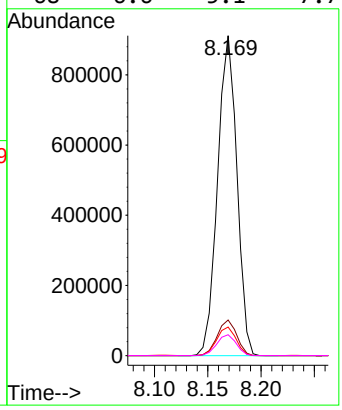


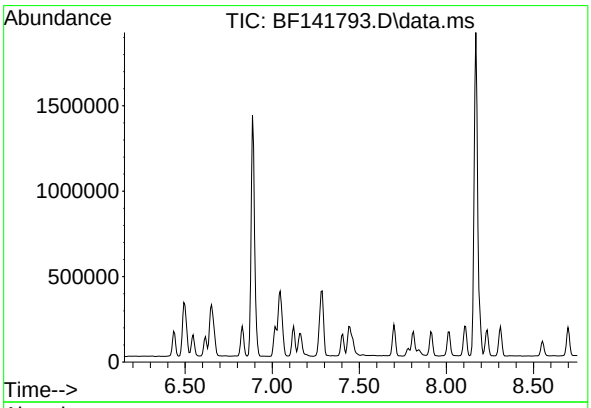
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1147711

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.9	6.9	10.3
68	6.6	5.1	7.7



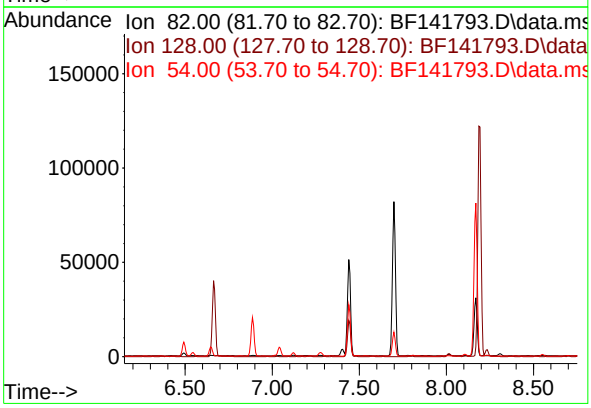


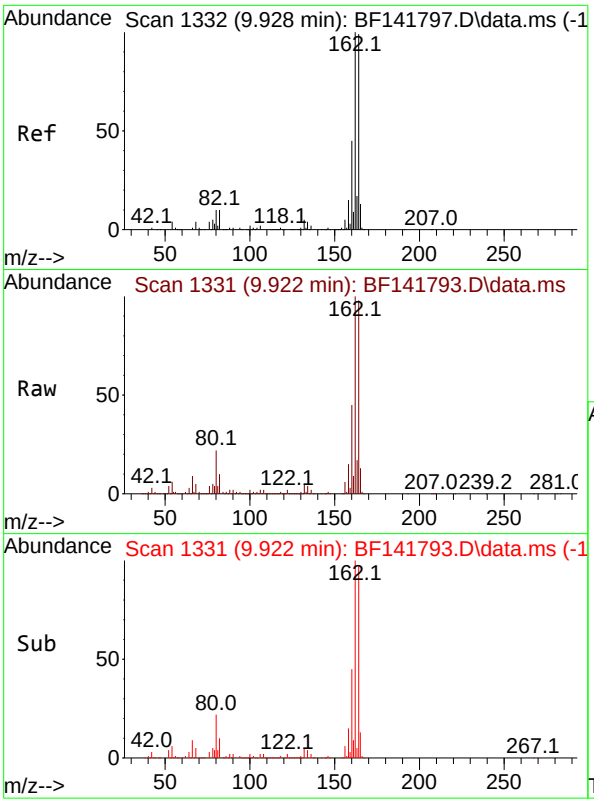
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.45 min

Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.9
54	53.4



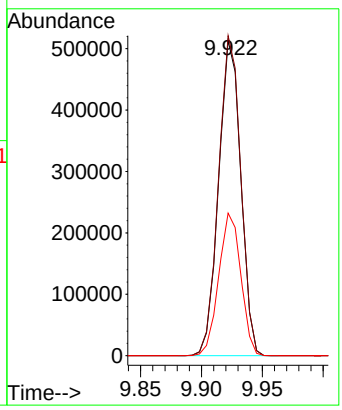


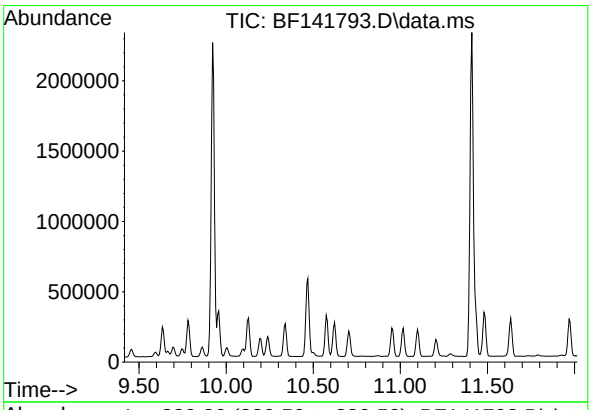
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 650007

Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	120.8
160	45.3	36.3	54.5



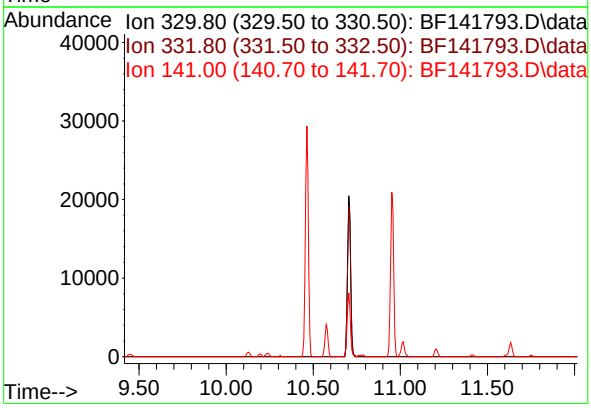


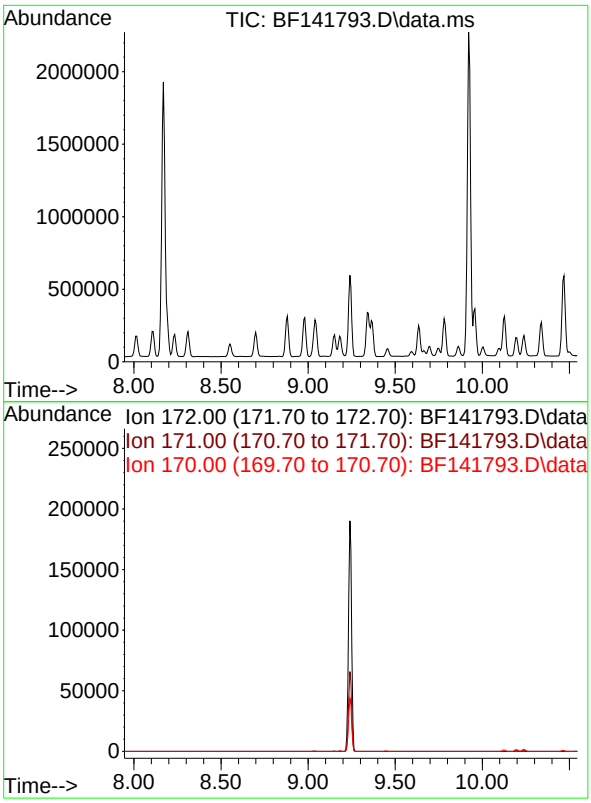
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.72 min

Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.8
141	36.2





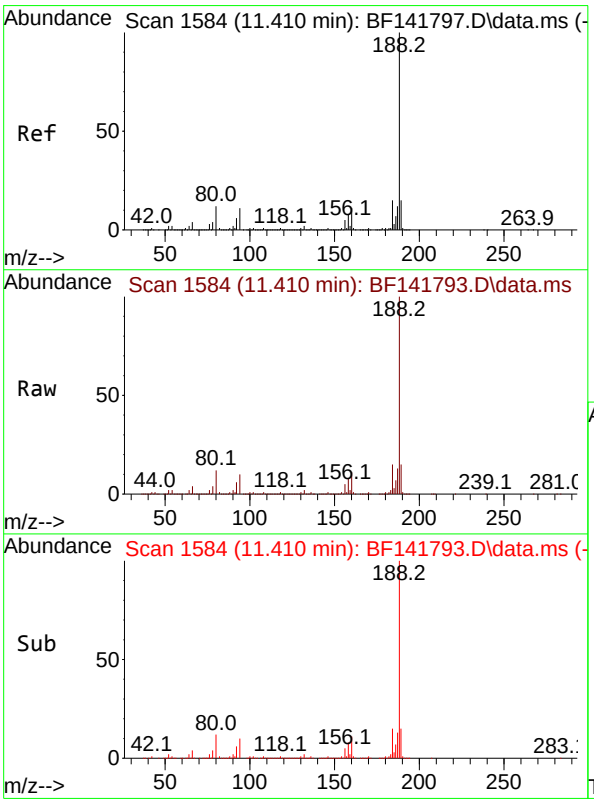
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.25 min

Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

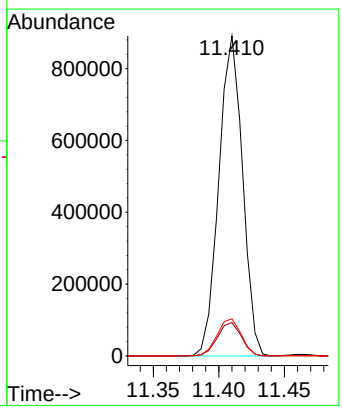
Sig	Exp Ratio
172	100
171	36.5
170	24.6

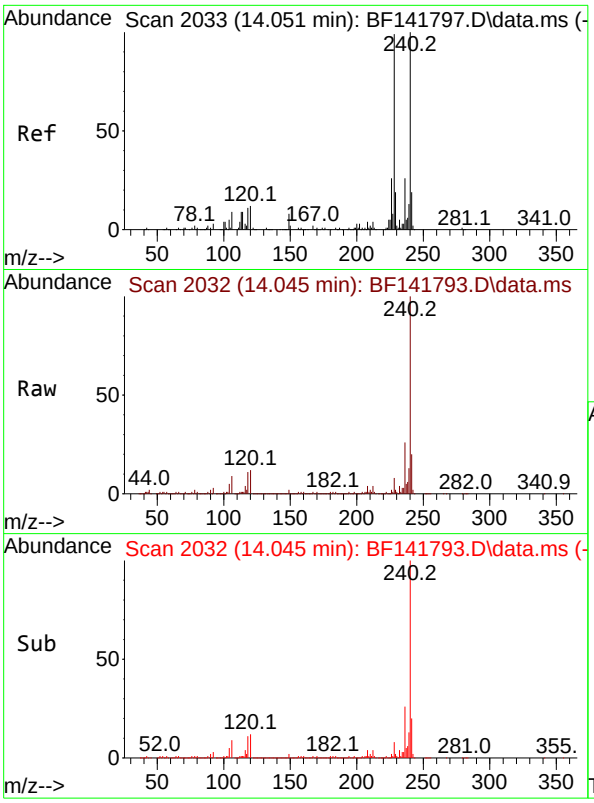


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Tgt Ion:188 Resp: 1119232

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.9	13.3
80	11.6	9.7	14.5



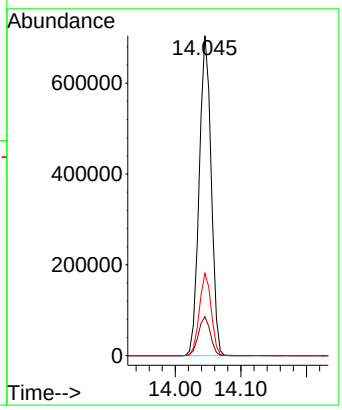


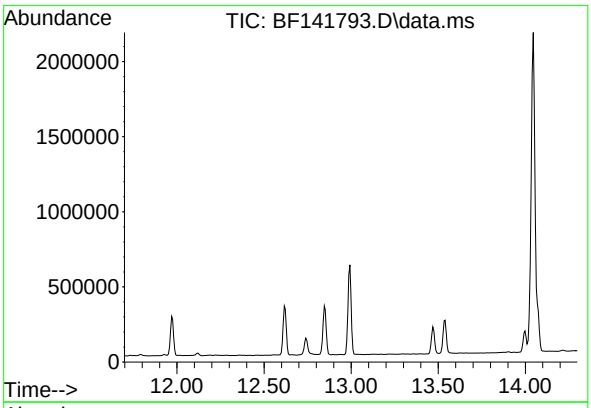
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 894958

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.7	14.5
236	25.7	21.0	31.4



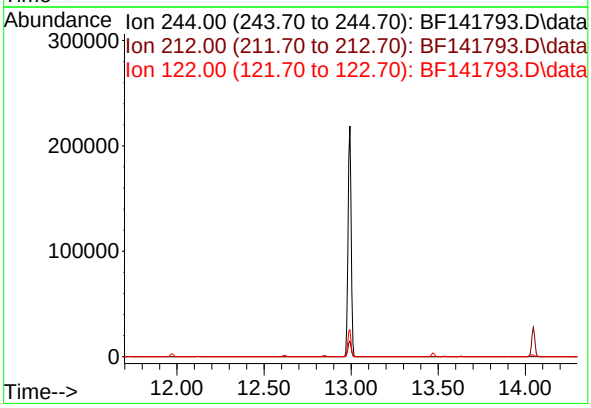


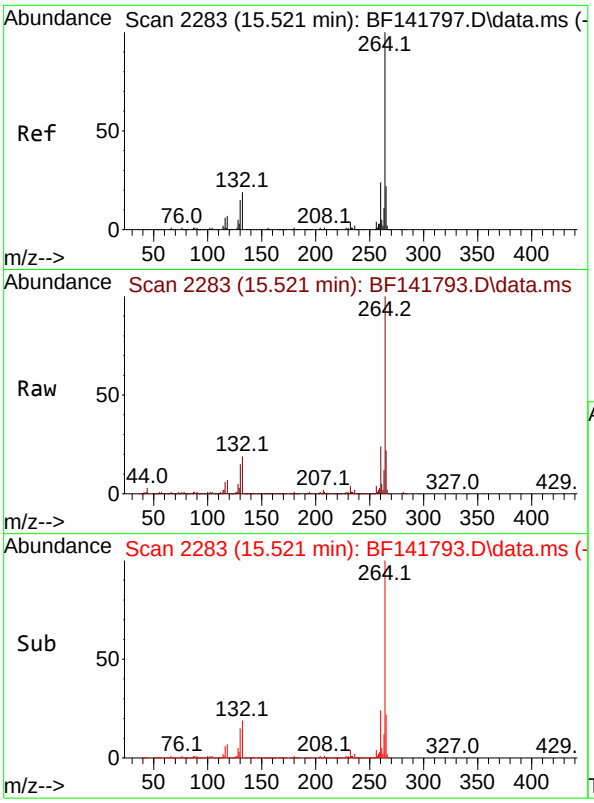
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.00 min

Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.5
122	11.3



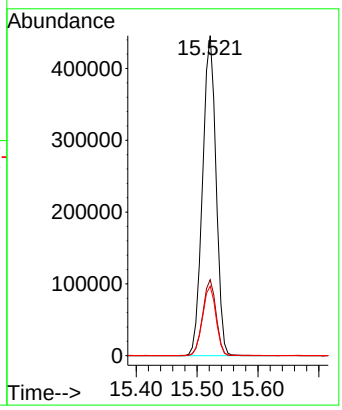


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141793.D
Acq: 27 Feb 2025 15:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 684814

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.7	17.4	26.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141794.D
Acq On : 27 Feb 2025 15:46
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 28 01:23:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	281554	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	1128074	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	643922	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	1101046	20.000	ng		0.00
76) Chrysene-d12	14.045	240	852555	20.000	ng		0.00
86) Perylene-d12	15.521	264	648925	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	189803	10.766	ng		0.00
7) Phenol-d6	6.493	99	246391	10.737	ng		-0.02
23) Nitrobenzene-d5	7.440	82	139940	7.929	ng		-0.01
42) 2,4,6-Tribromophenol	10.704	330	56406	9.331	ng		-0.01
45) 2-Fluorobiphenyl	9.239	172	464621	11.570	ng		0.00
79) Terphenyl-d14	12.992	244	532855	10.112	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	43124	5.391	ng		98
3) Pyridine	3.458	79	98722	4.960	ng		97
4) n-Nitrosodimethylamine	3.381	42	44659	4.663	ng	#	97
6) Aniline	6.546	93	122918m	5.180	ng		
8) 2-Chlorophenol	6.663	128	101533	5.324	ng		98
9) Benzaldehyde	6.434	77	81024	6.070	ng		99
10) Phenol	6.504	94	130523m	5.339	ng		
11) bis(2-Chloroethyl)ether	6.616	93	96953	5.187	ng		100
12) 1,3-Dichlorobenzene	6.828	146	108688	5.321	ng		99
13) 1,4-Dichlorobenzene	6.904	146	109382	5.315	ng		99
14) 1,2-Dichlorobenzene	7.057	146	105070	5.468	ng		98
15) Benzyl Alcohol	7.016	79	94845	5.172	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	150528	5.303	ng		100
17) 2-Methylphenol	7.122	107	81304	5.165	ng		97
18) Hexachloroethane	7.404	117	39359	5.110	ng		99
19) n-Nitroso-di-n-propyla...	7.287	70	79943	5.300	ng		99
20) 3+4-Methylphenols	7.275	107	106084	5.412	ng		93
22) Acetophenone	7.287	105	152122	5.537	ng	#	97
24) Nitrobenzene	7.463	77	76930	4.071	ng		96
25) Isophorone	7.698	82	197960	5.221	ng		99
26) 2-Nitrophenol	7.781	139	22354	6.947	ng		97
27) 2,4-Dimethylphenol	7.810	122	72631	5.211	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	130473	5.395	ng		98
29) 2,4-Dichlorophenol	8.016	162	79008	4.914	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	92399	5.244	ng		98
31) Naphthalene	8.192	128	321546	5.546	ng		98
33) 4-Chloroaniline	8.234	127	113407	5.335	ng		98
34) Hexachlorobutadiene	8.310	225	56205	5.134	ng		99
35) Caprolactam	8.557	113	24467	4.946	ng		95
36) 4-Chloro-3-methylphenol	8.698	107	93983	5.262	ng		97
37) 2-Methylnaphthalene	8.881	142	214971	5.653	ng		97
38) 1-Methylnaphthalene	8.981	142	207097	5.676	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	98100	5.275	ng		97
41) Hexachlorocyclopentadiene	9.034	237	34990	4.508	ng		98
43) 2,4,6-Trichlorophenol	9.151	196	57097	4.753	ng		98
44) 2,4,5-Trichlorophenol	9.187	196	55979	4.706	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141794.D
Acq On : 27 Feb 2025 15:46
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:23:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.345	154	272648	5.563	ng		97
47) 2-Chloronaphthalene	9.369	162	194915	5.388	ng		97
48) 2-Nitroaniline	9.457	65	24463	6.586	ng		98
49) Acenaphthylene	9.781	152	297257	5.481	ng		98
50) Dimethylphthalate	9.639	163	230425	5.344	ng		99
51) 2,6-Dinitrotoluene	9.698	165	21902	5.327	ng		98
52) Acenaphthene	9.957	154	195912	5.353	ng		97
53) 3-Nitroaniline	9.863	138	23458	5.471	ng	#	83
55) Dibenzofuran	10.128	168	297756	5.590	ng		96
56) 4-Nitrophenol	10.004	139	20838	3.272	ng		91
57) 2,4-Dinitrotoluene	10.098	165	24255	5.755	ng	#	96
58) Fluorene	10.469	166	230713	5.782	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	50417	4.873	ng		99
60) Diethylphthalate	10.339	149	230060	5.322	ng		98
61) 4-Chlorophenyl-phenyle...	10.463	204	111169	5.561	ng		98
62) 4-Nitroaniline	10.469	138	24006	3.260	ng	#	84
63) Azobenzene	10.622	77	248519	5.460	ng		98
66) n-Nitrosodiphenylamine	10.575	169	193204	5.344	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	66312	5.156	ng		99
68) Hexachlorobenzene	11.016	284	69598	5.125	ng		100
69) Atrazine	11.098	200	58634	5.897	ng		98
70) Pentachlorophenol	11.204	266	37669	4.373	ng		99
71) Phenanthrene	11.433	178	326529	5.544	ng		99
72) Anthracene	11.481	178	331149	5.610	ng		98
73) Carbazole	11.633	167	295693	5.673	ng		98
74) Di-n-butylphthalate	11.969	149	367349	5.560	ng		99
75) Fluoranthene	12.622	202	353684	5.861	ng		97
78) Pyrene	12.845	202	361938	4.903	ng		98
80) Butylbenzylphthalate	13.469	149	116439	4.341	ng		99
81) Benzo(a)anthracene	14.033	228	291373	5.174	ng		98
82) 3,3'-Dichlorobenzidine	13.998	252	86483	5.353	ng		97
83) Chrysene	14.069	228	277632	5.348	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	149689	4.482	ng		99
85) Di-n-octyl phthalate	14.645	149	192390	3.848	ng		99
87) Indeno(1,2,3-cd)pyrene	16.998	276	178035	4.309	ng		99
88) Benzo(b)fluoranthene	15.086	252	233991	5.294	ng		98
89) Benzo(k)fluoranthene	15.116	252	206614	5.499	ng		100
90) Benzo(a)pyrene	15.451	252	180486	5.091	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	146279	4.337	ng		97
92) Benzo(g,h,i)perylene	17.445	276	145755	4.218	ng		99

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

ICAL Form

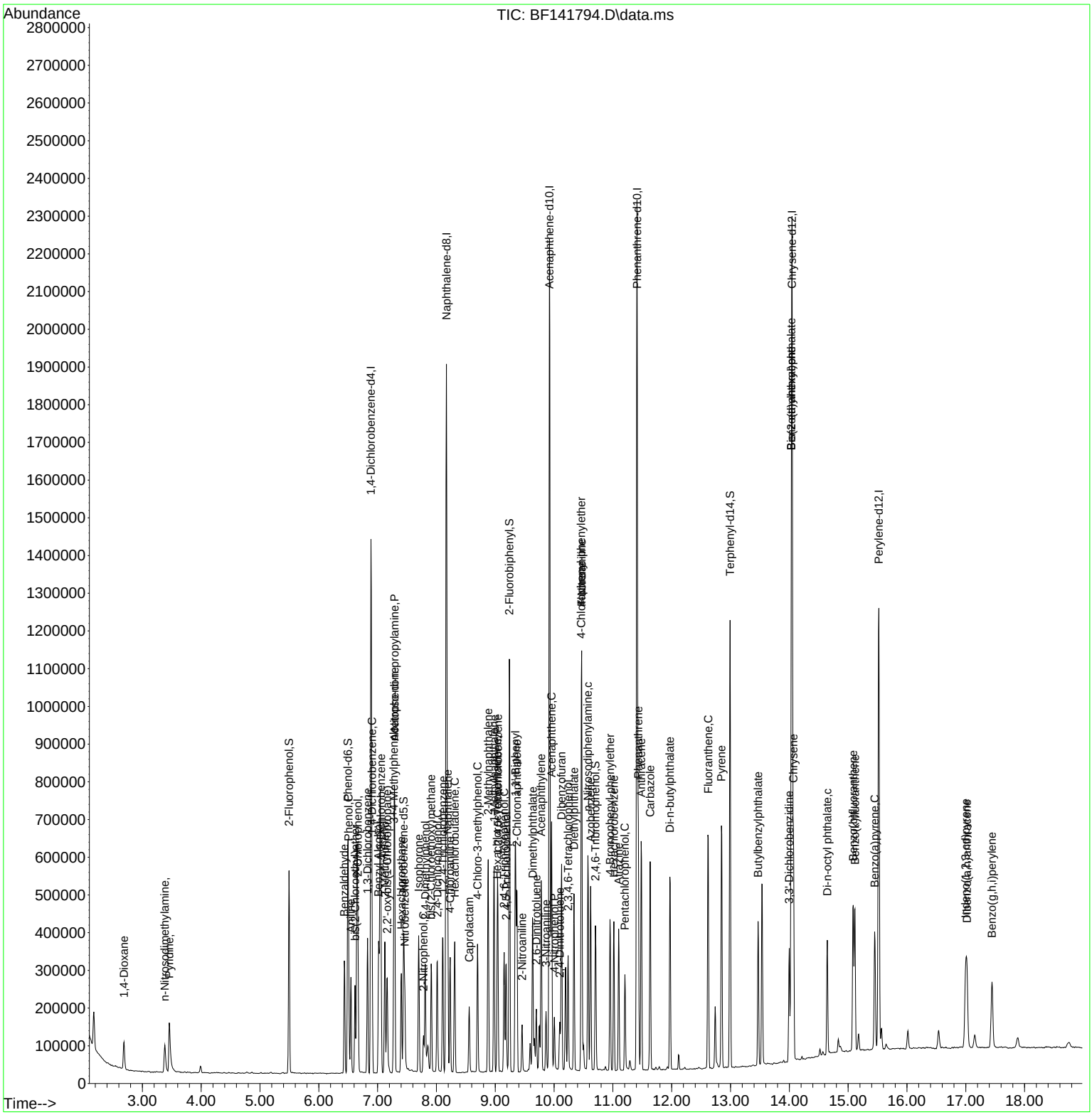
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141794.D
Acq On : 27 Feb 2025 15:46
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

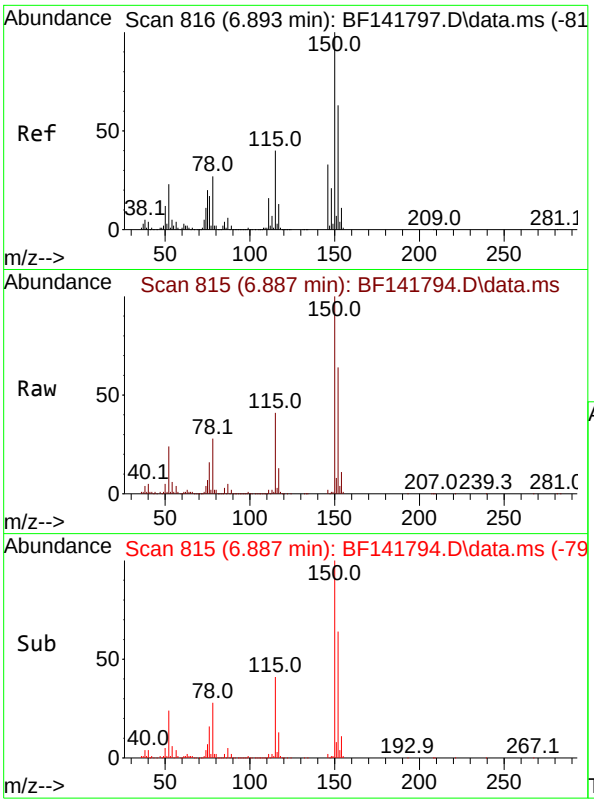
Quant Time: Feb 28 01:23:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

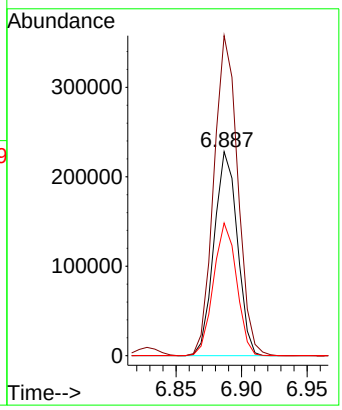




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:152 Resp: 28155

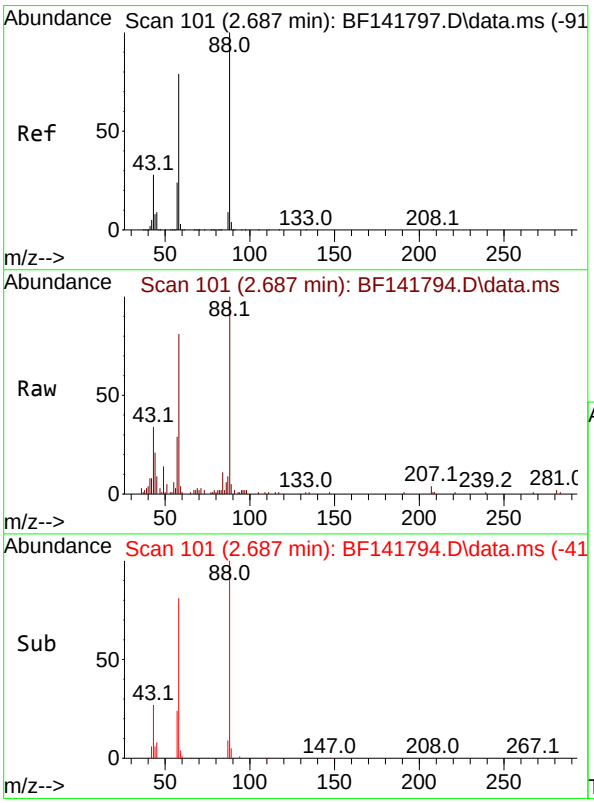
Ion	Ratio	Lower	Upper
152	100		
150	156.8	127.5	191.3
115	65.0	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

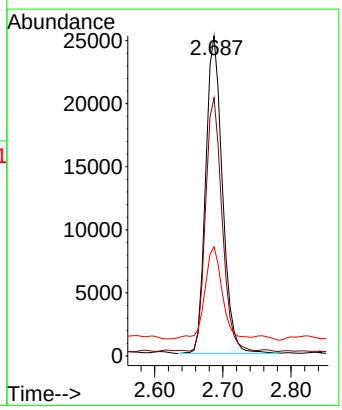
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

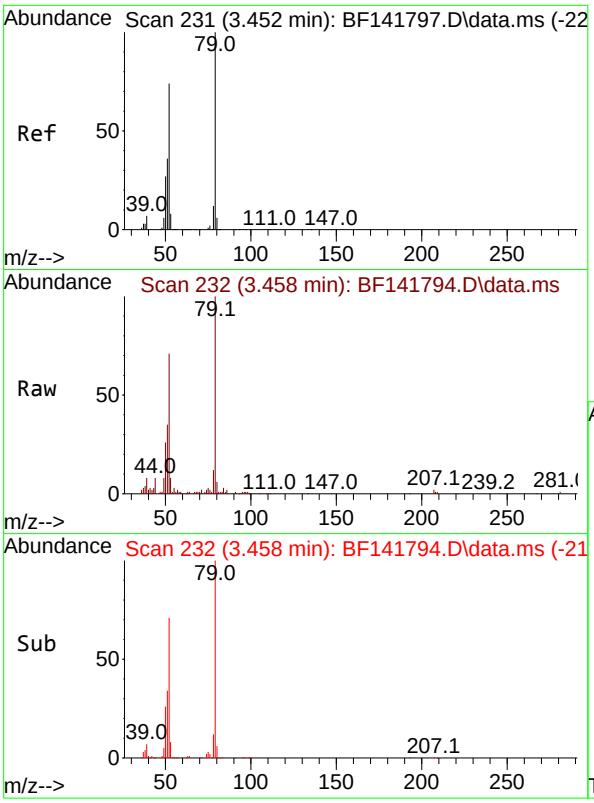


#2
1,4-Dioxane
Concen: 5.391 ng
RT: 2.687 min Scan# 101
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 88 Resp: 43124

Ion	Ratio	Lower	Upper
88	100		
58	78.5	63.9	95.9
43	29.6	23.0	34.6

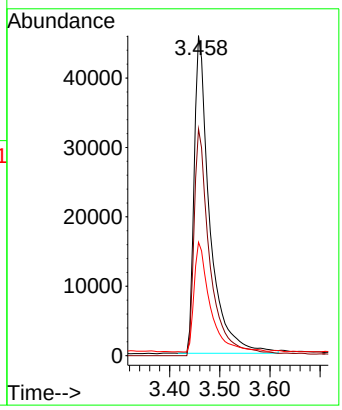




#3
Pyridine
Concen: 4.960 ng
RT: 3.458 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 79 Resp: 9872

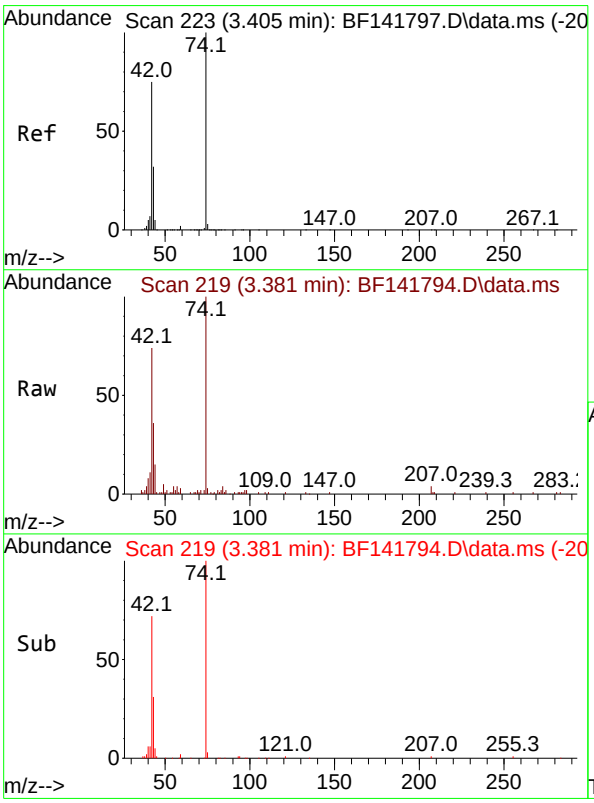
Ion	Ratio	Lower	Upper
79	100		
52	70.9	59.0	88.4
51	35.5	29.0	43.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

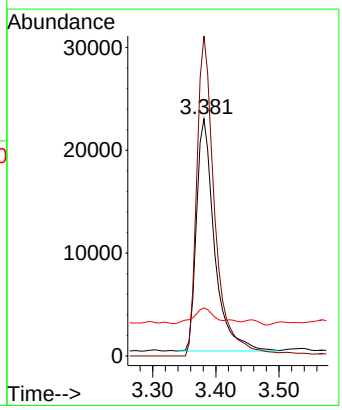
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

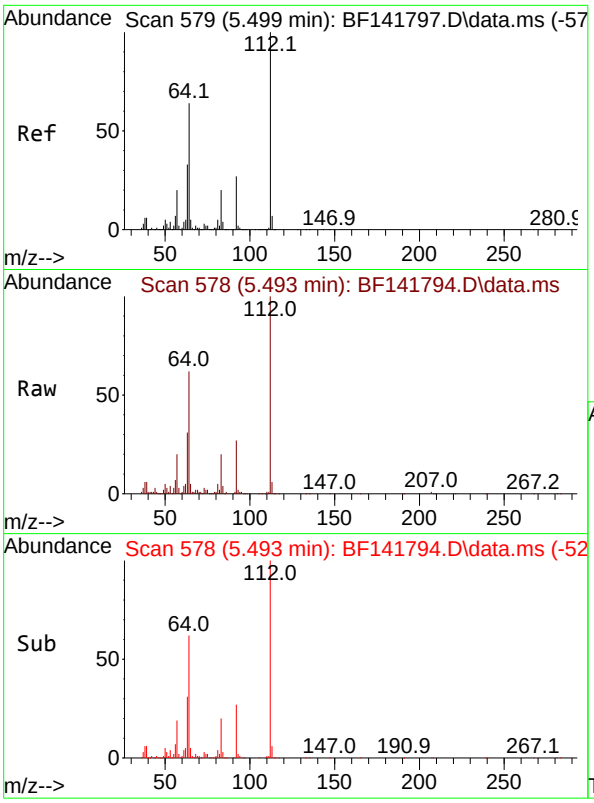


#4
n-Nitrosodimethylamine
Concen: 4.663 ng
RT: 3.381 min Scan# 219
Delta R.T. -0.024 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 42 Resp: 44659

Ion	Ratio	Lower	Upper
42	100		
74	134.9	107.1	160.7
44	20.2	6.6	9.8#





#5
2-Fluorophenol
Concen: 10.766 ng
RT: 5.493 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

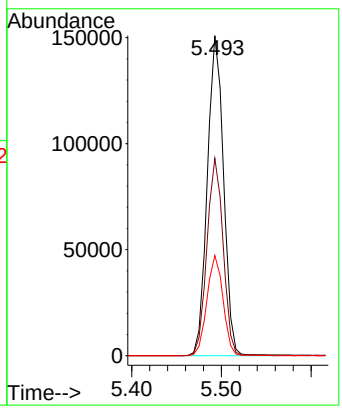
Tgt Ion:112 Resp: 18980

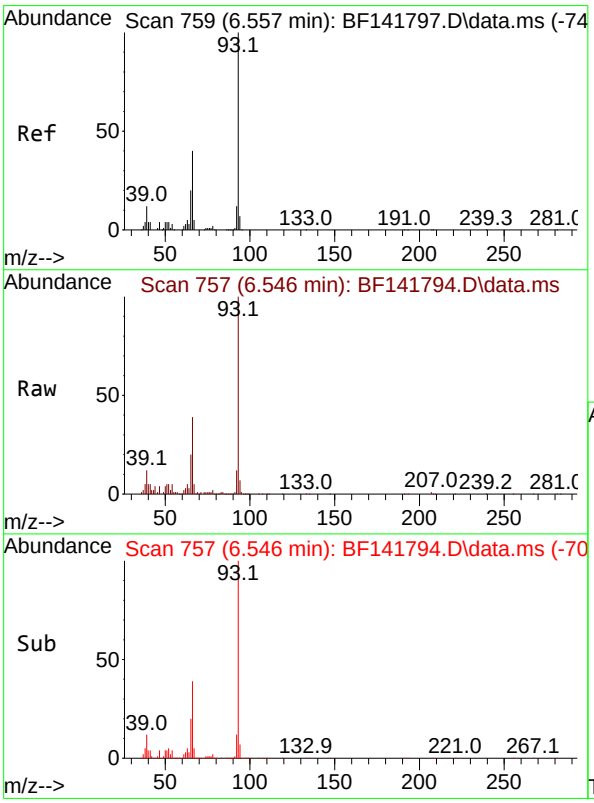
Ion	Ratio	Lower	Upper
112	100		
64	61.7	51.3	76.9
63	31.3	26.2	39.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

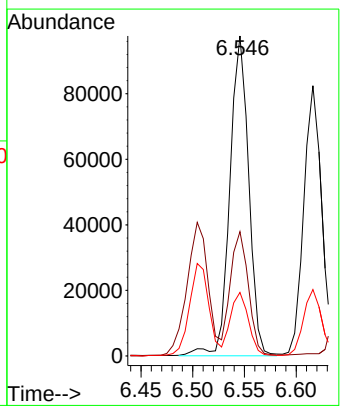


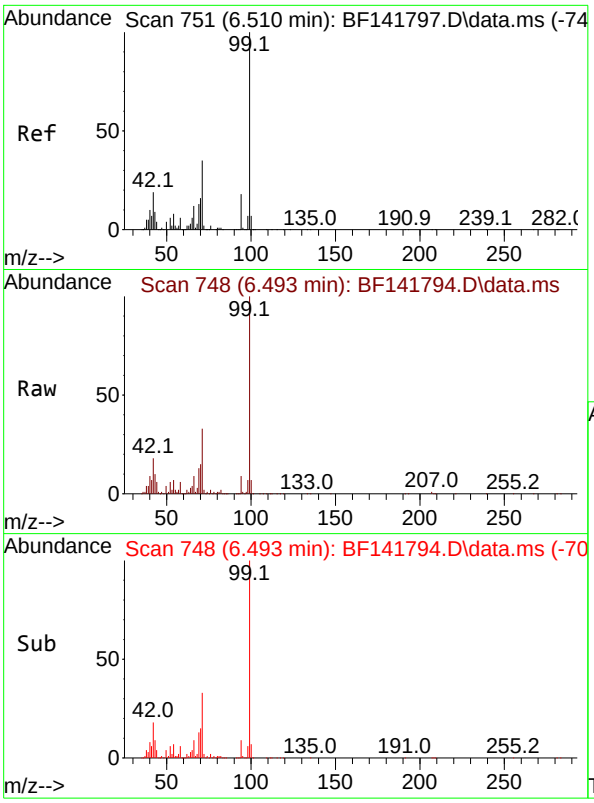


#6
Aniline
Concen: 5.180 ng m
RT: 6.546 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 93 Resp: 122918

Ion	Ratio	Lower	Upper
93	100		
66	38.8	32.3	48.5
65	19.9	15.9	23.9

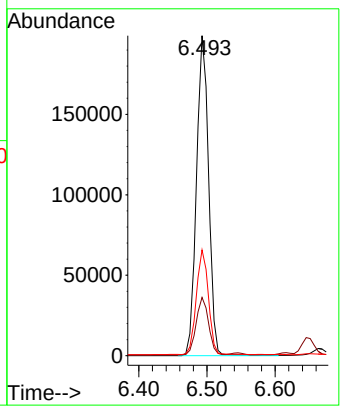




#7
Phenol-d6
Concen: 10.737 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 99 Resp: 24639

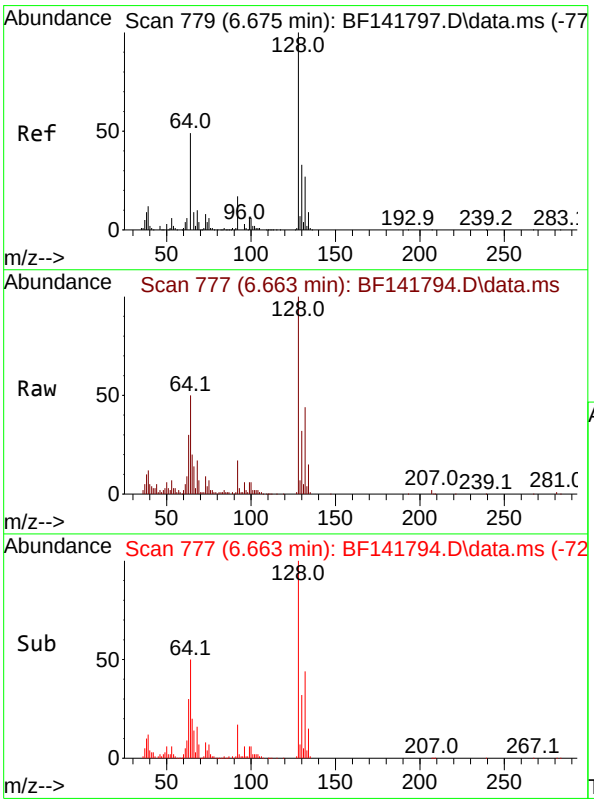
Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.2	22.8
71	33.0	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

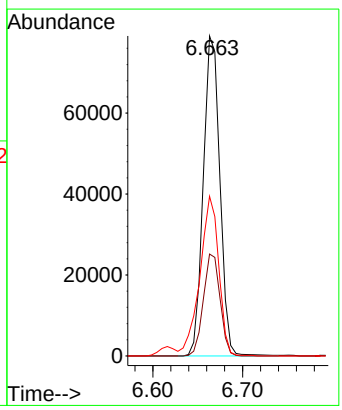
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

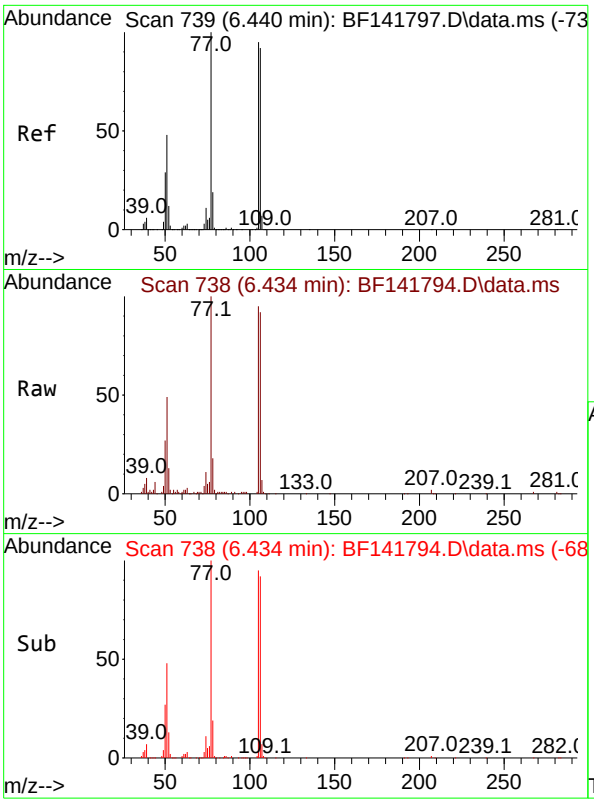


#8
2-Chlorophenol
Concen: 5.324 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:128 Resp: 101533

Ion	Ratio	Lower	Upper
128	100		
130	31.8	12.6	52.6
64	49.9	31.1	71.1

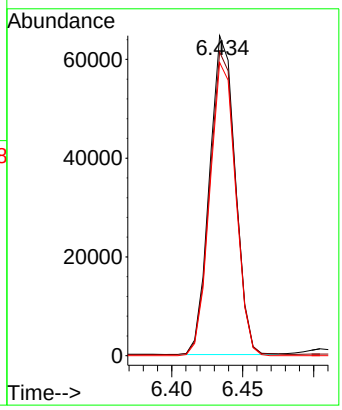




#9
Benzaldehyde
Concen: 6.070 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 77 Resp: 8102

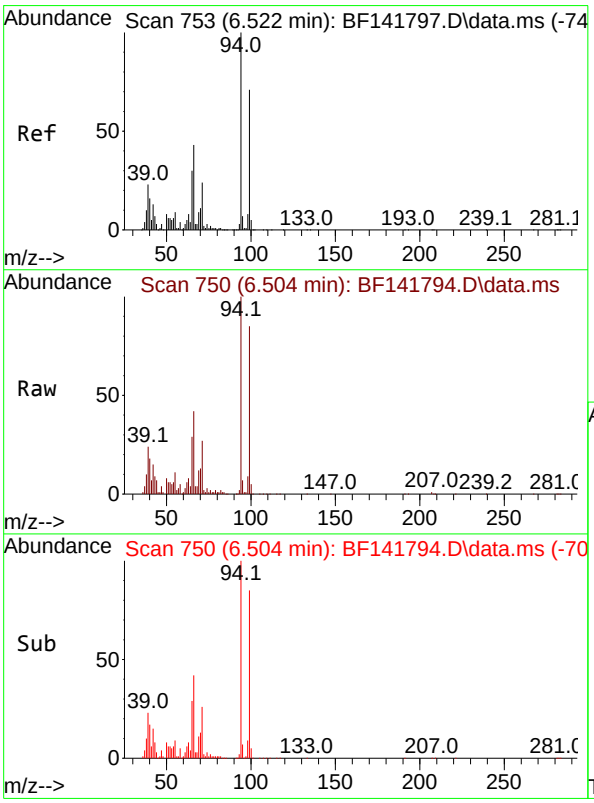
Ion	Ratio	Lower	Upper
77	100		
105	94.9	75.3	115.3
106	91.6	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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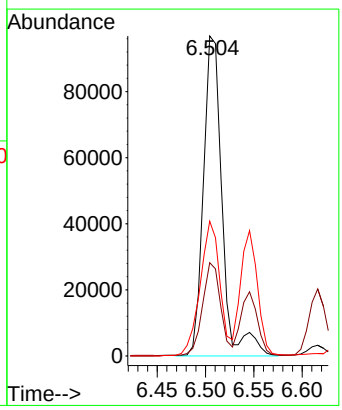
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

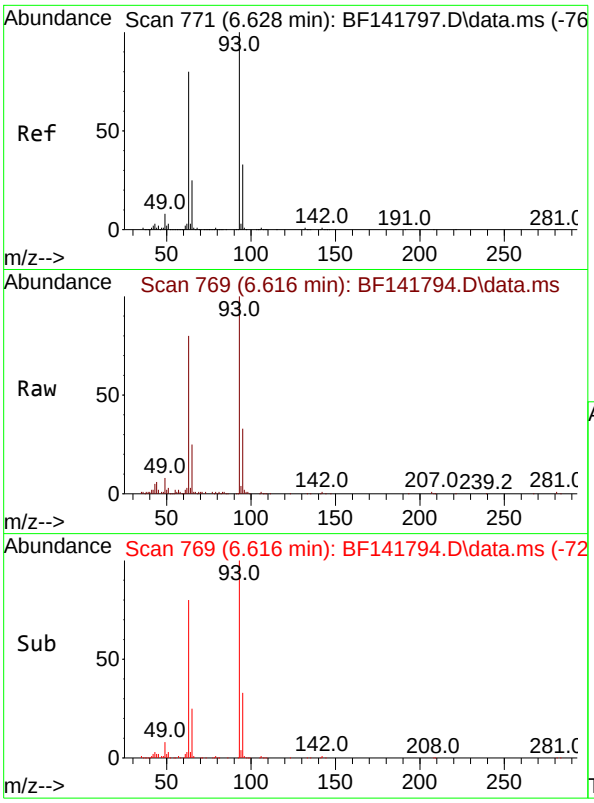


#10
Phenol
Concen: 5.339 ng m
RT: 6.504 min Scan# 750
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 94 Resp: 130523

Ion	Ratio	Lower	Upper
94	100		
65	29.1	10.2	50.2
66	42.1	23.2	63.2

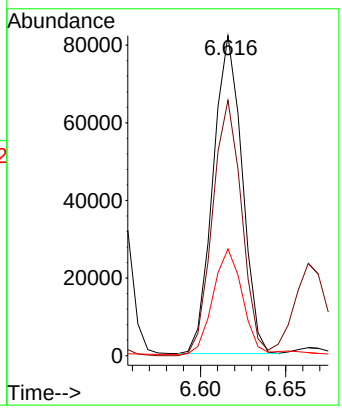




#11
bis(2-Chloroethyl)ether
Concen: 5.187 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 93 Resp: 9695

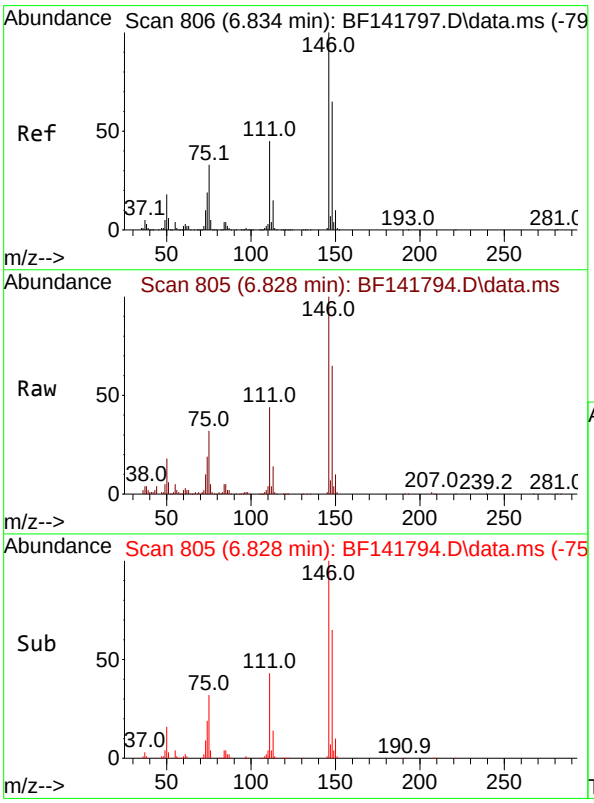
Ion	Ratio	Lower	Upper
93	100		
63	79.8	59.3	99.3
95	33.3	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

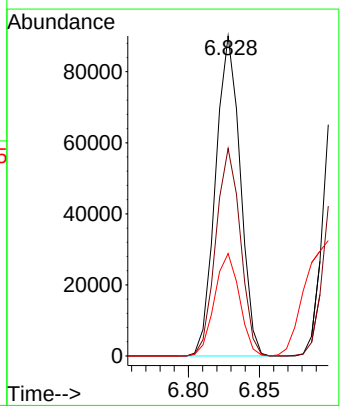
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

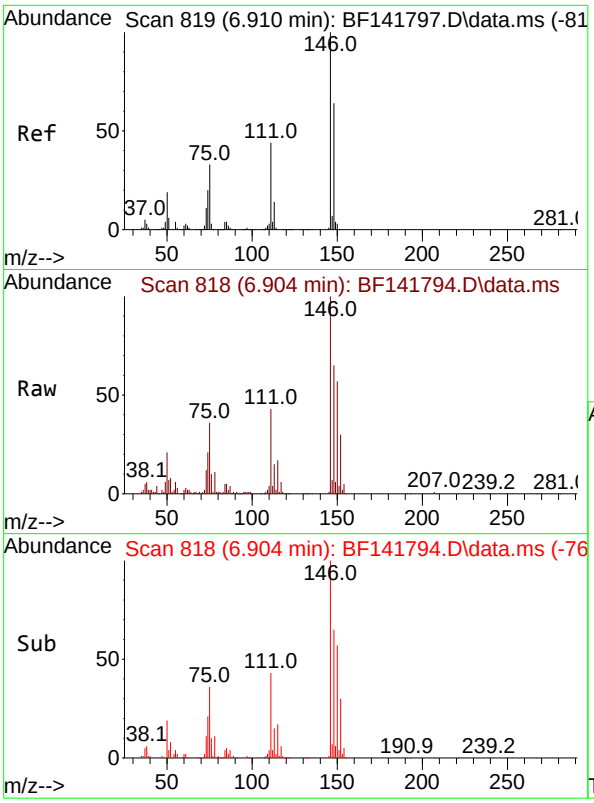


#12
1,3-Dichlorobenzene
Concen: 5.321 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:146 Resp: 108688

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.6
75	32.0	26.2	39.4

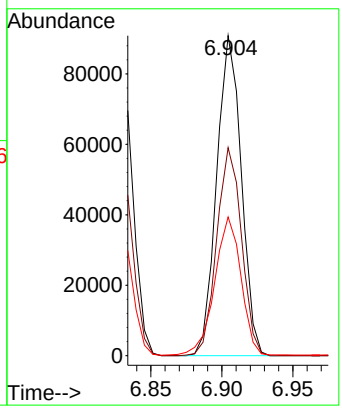




#13
1,4-Dichlorobenzene
Concen: 5.315 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:146 Resp: 10938

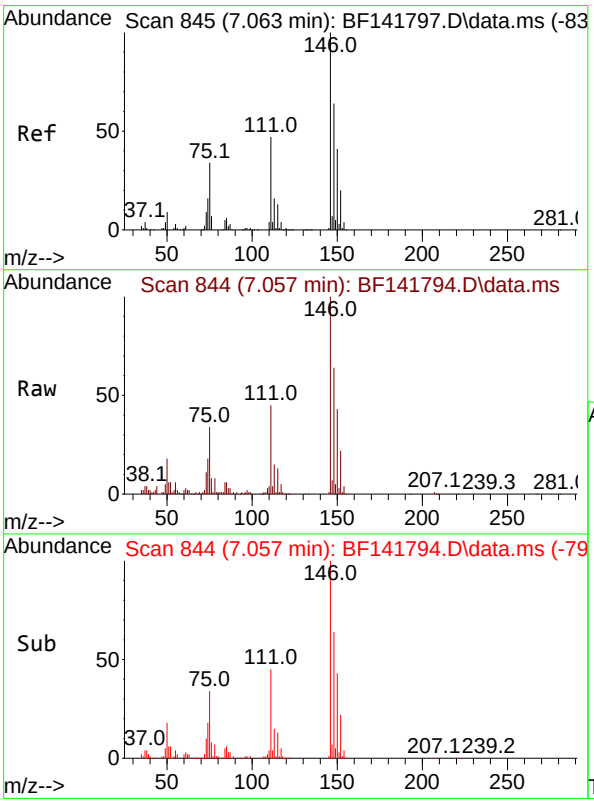
Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.4	77.2
111	43.4	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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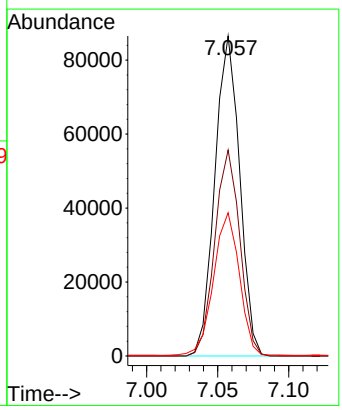
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

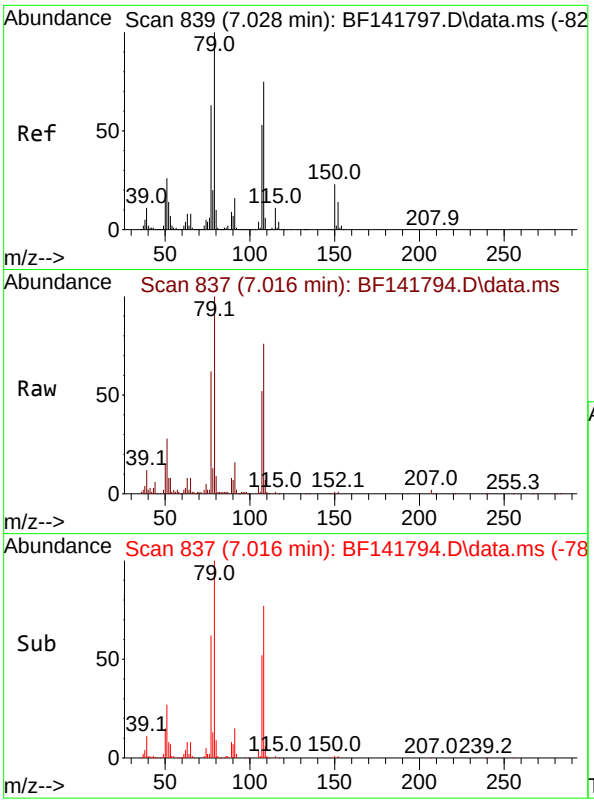


#14
1,2-Dichlorobenzene
Concen: 5.468 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:146 Resp: 105070

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.2	76.8
111	44.8	37.8	56.6





#15
Benzyl Alcohol
Concen: 5.172 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

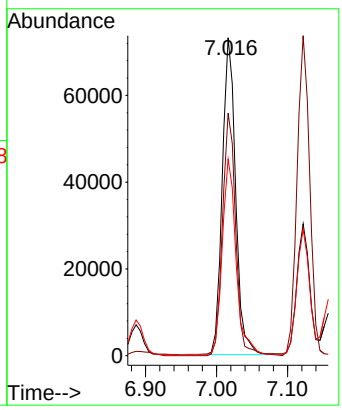
Tgt Ion: 79 Resp: 9484

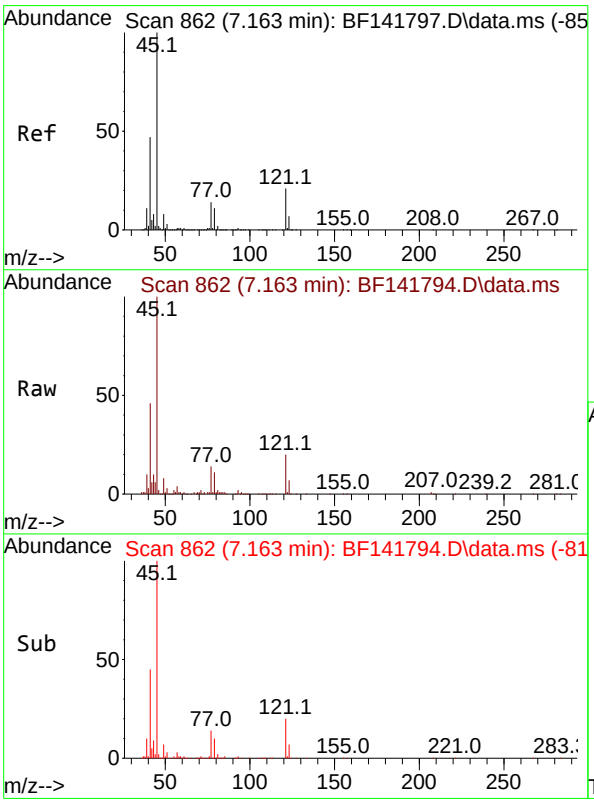
Ion	Ratio	Lower	Upper
79	100		
108	76.3	60.2	90.2
77	61.8	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

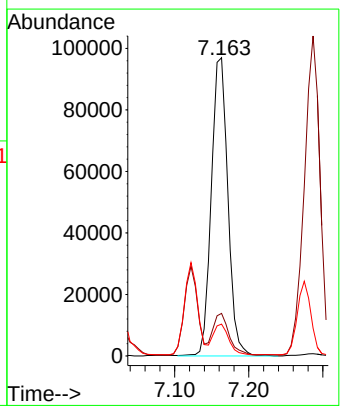


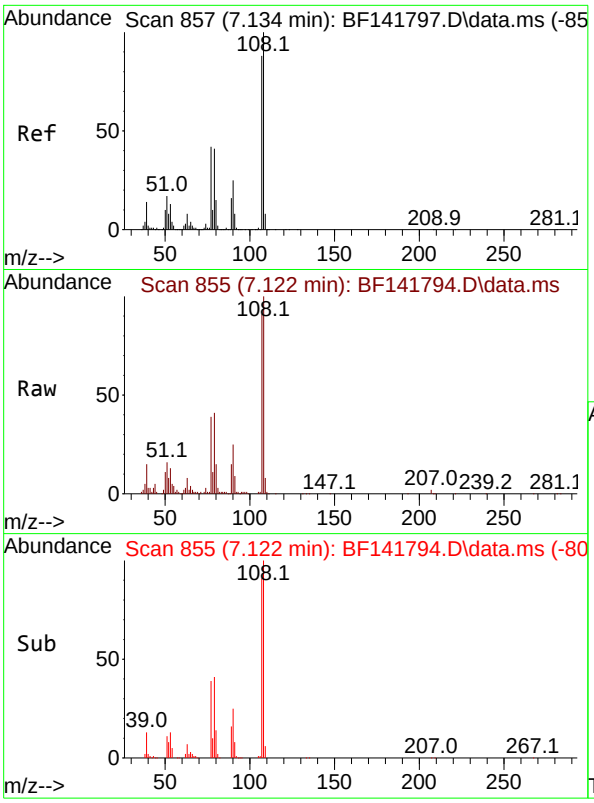


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.303 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 45 Resp: 150528

Ion	Ratio	Lower	Upper
45	100		
77	14.3	0.0	34.4
79	10.7	0.0	30.9

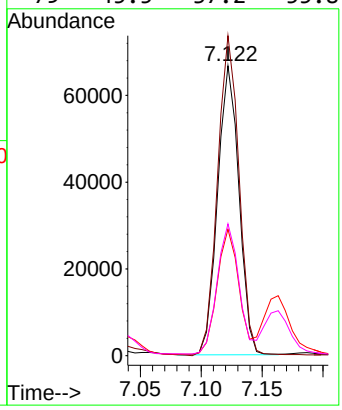




#17
2-Methylphenol
Concen: 5.165 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:107 Resp: 8130

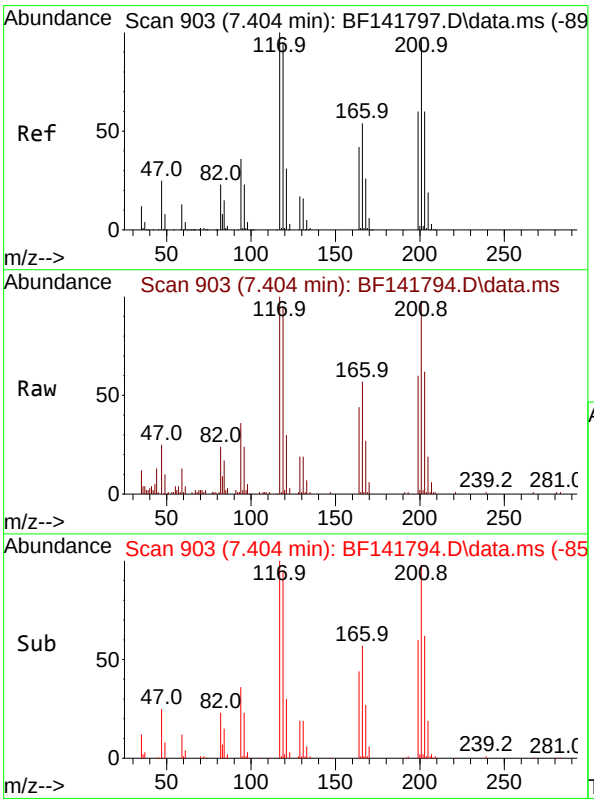
Ion	Ratio	Lower	Upper
107	100		
108	110.4	90.6	135.8
77	43.6	37.7	56.5
79	45.5	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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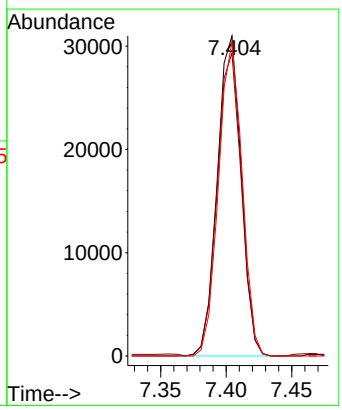
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

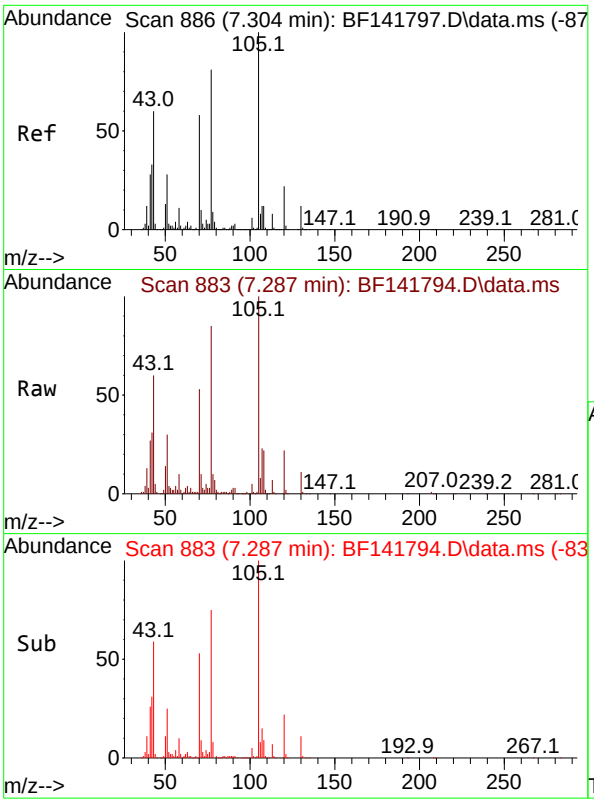


#18
Hexachloroethane
Concen: 5.110 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:117 Resp: 39359

Ion	Ratio	Lower	Upper
117	100		
119	94.7	75.8	113.8
201	98.2	76.7	115.1

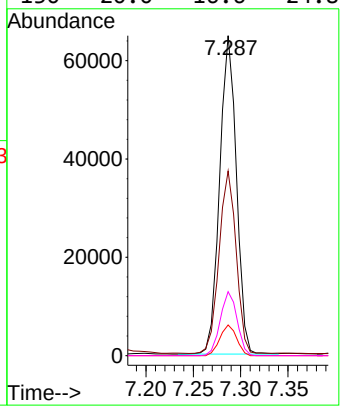




#19
n-Nitroso-di-n-propylamine
Concen: 5.300 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 70 Resp: 7994

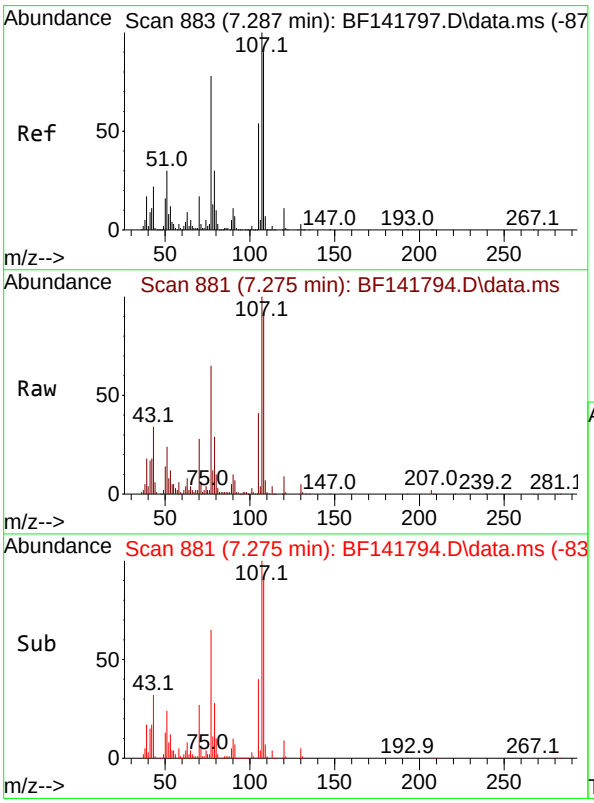
Ion	Ratio	Lower	Upper
70	100		
42	57.7	45.4	68.0
101	9.6	7.8	11.8
130	20.0	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

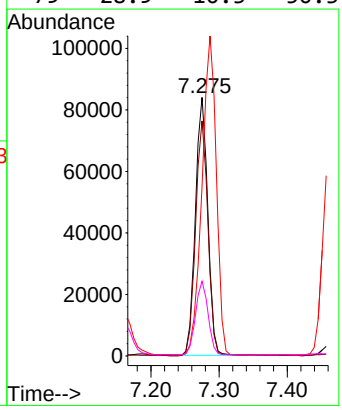
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

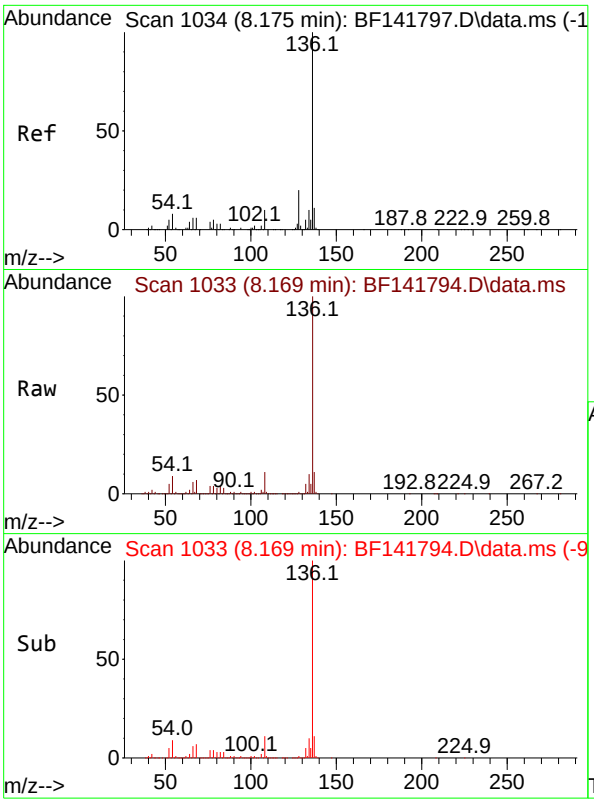


#20
3+4-Methylphenols
Concen: 5.412 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:107 Resp: 106084

Ion	Ratio	Lower	Upper
107	100		
108	90.9	69.7	109.7
77	65.5	58.3	98.3
79	28.9	10.3	50.3

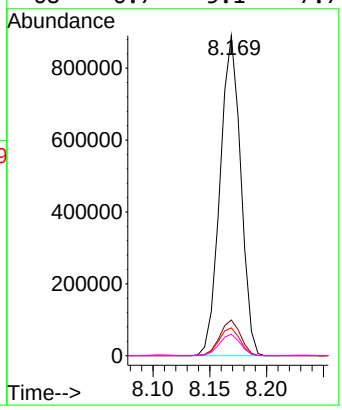




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:136 Resp: 112807

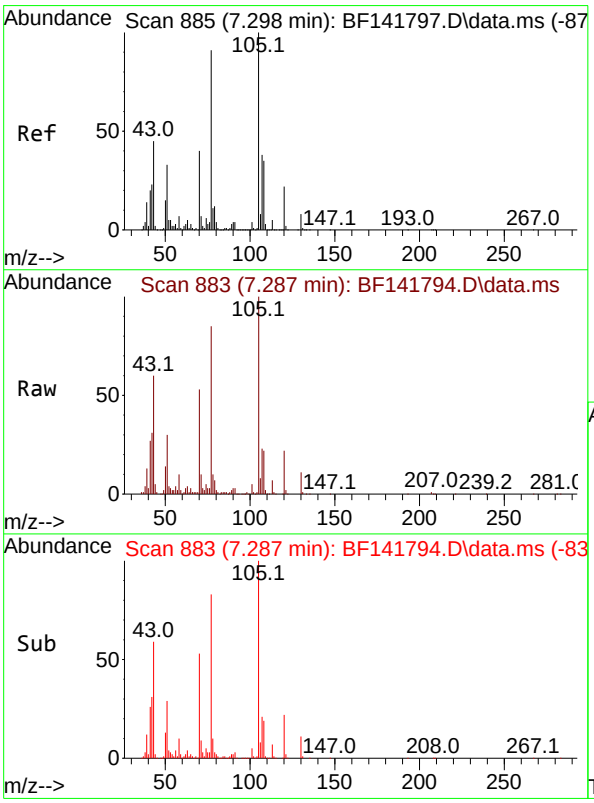
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.7	6.9	10.3
68	6.7	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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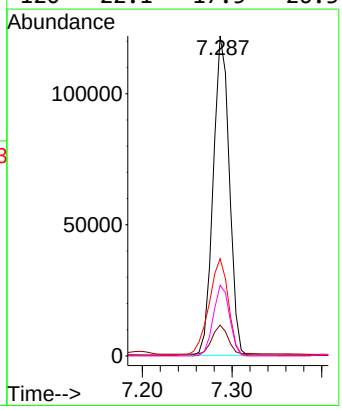
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

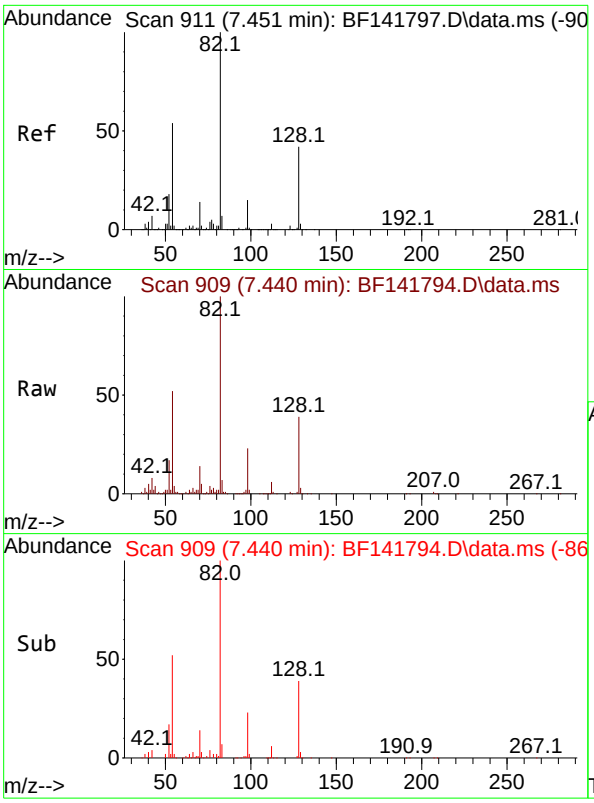


#22
Acetophenone
Concen: 5.537 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:105 Resp: 152122

Ion	Ratio	Lower	Upper
105	100		
71	9.7	5.4	8.0#
51	30.4	26.1	39.1
120	22.1	17.5	26.3





#23
Nitrobenzene-d5
Concen: 7.929 ng
RT: 7.440 min Scan# 9(
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

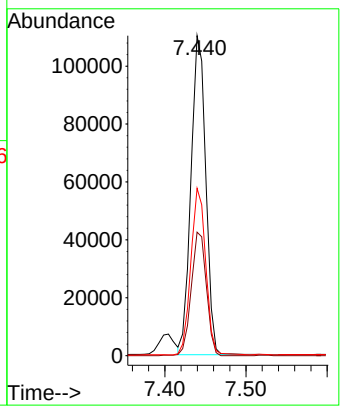
Tgt Ion: 82 Resp: 13994(

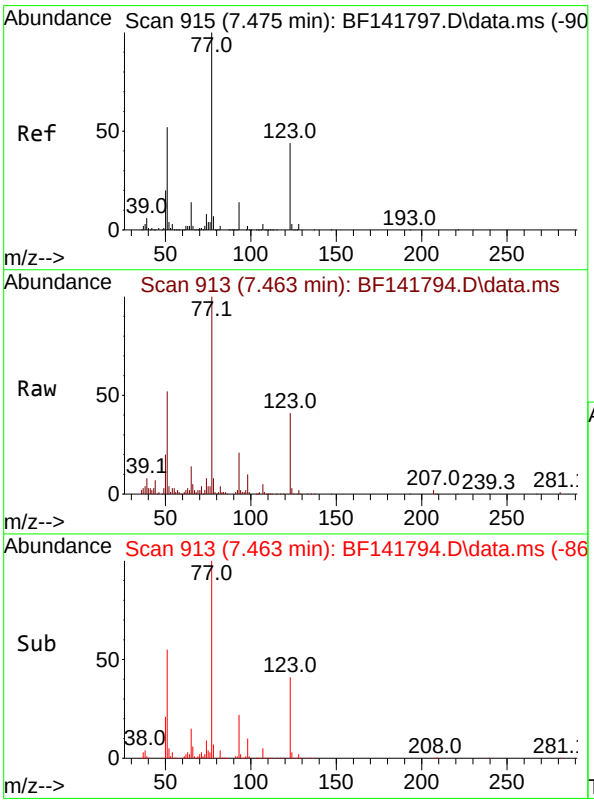
Ion	Ratio	Lower	Upper
82	100		
128	38.6	33.5	50.3
54	52.3	42.7	64.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

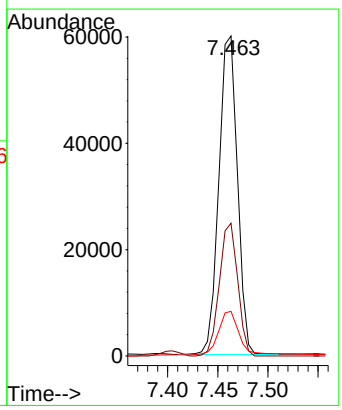


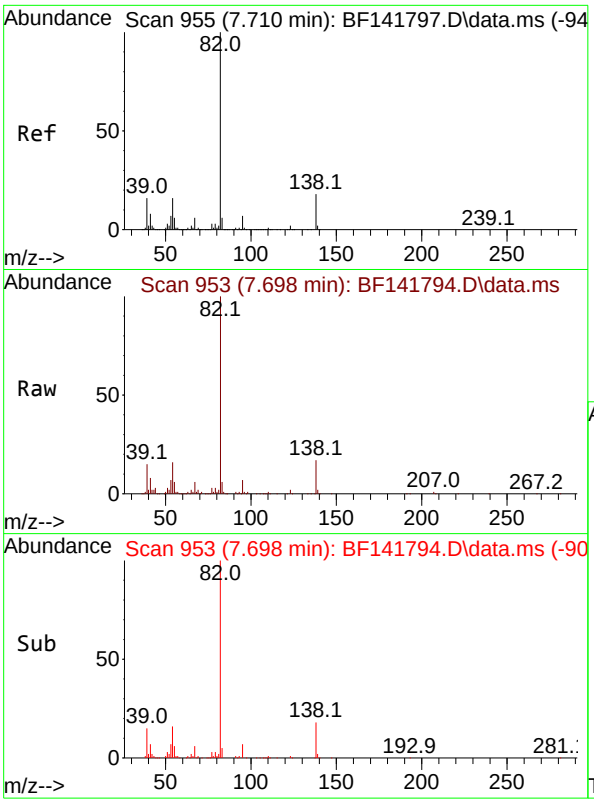


#24
Nitrobenzene
Concen: 4.071 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 77 Resp: 76930

Ion	Ratio	Lower	Upper
77	100		
123	41.5	35.8	53.8
65	13.9	11.2	16.8





#25
Isophorone
Concen: 5.221 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

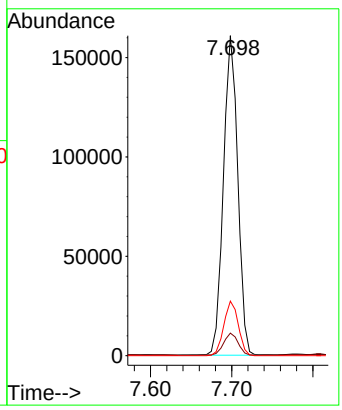
Tgt Ion: 82 Resp: 19796

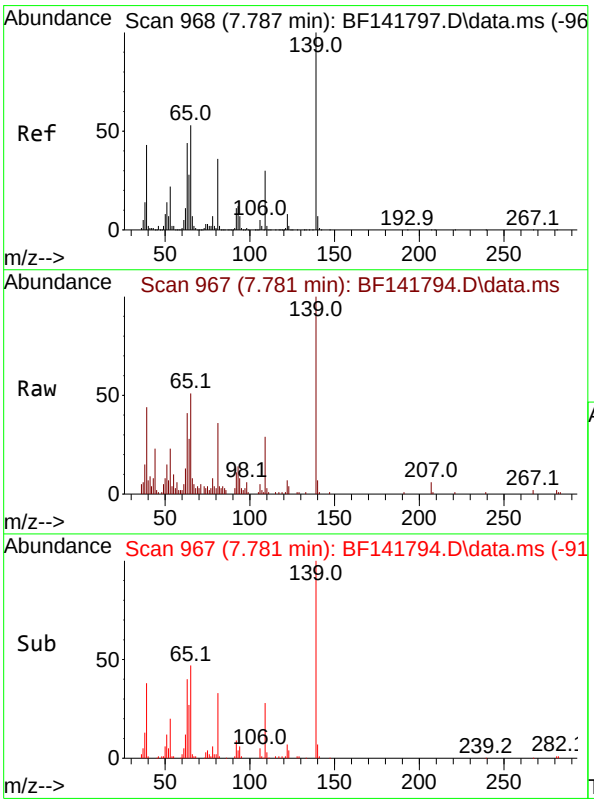
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.8
138	17.0	14.0	21.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

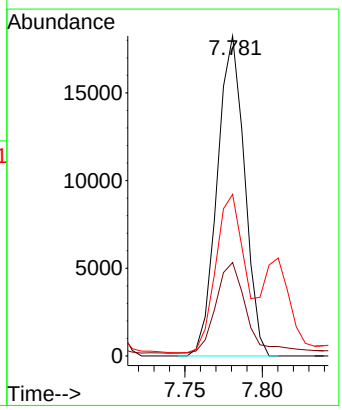


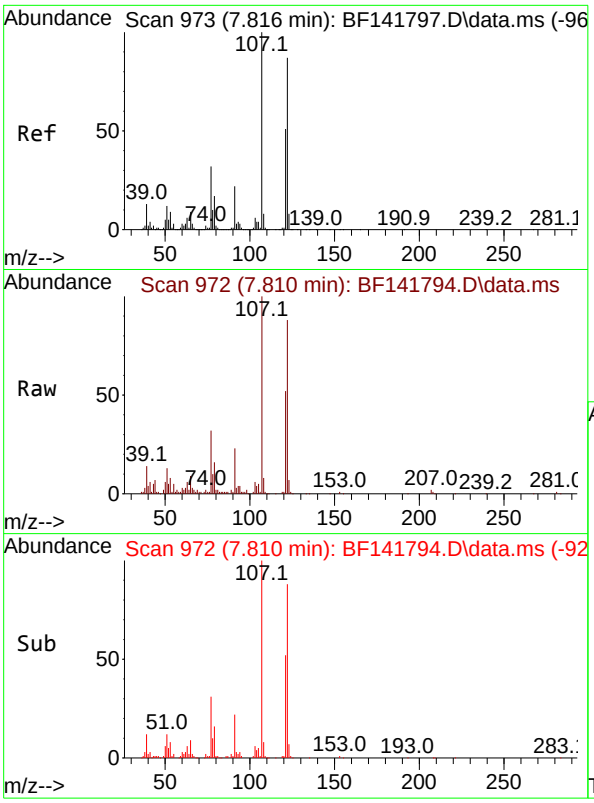


#26
2-Nitrophenol
Concen: 6.947 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:139 Resp: 22354

Ion	Ratio	Lower	Upper
139	100		
109	29.2	24.1	36.1
65	50.5	42.3	63.5





#27
2,4-Dimethylphenol
Concen: 5.211 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

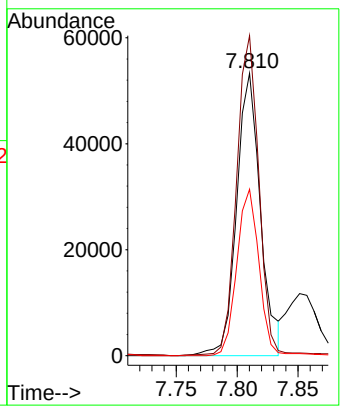
Tgt Ion:122 Resp: 7263

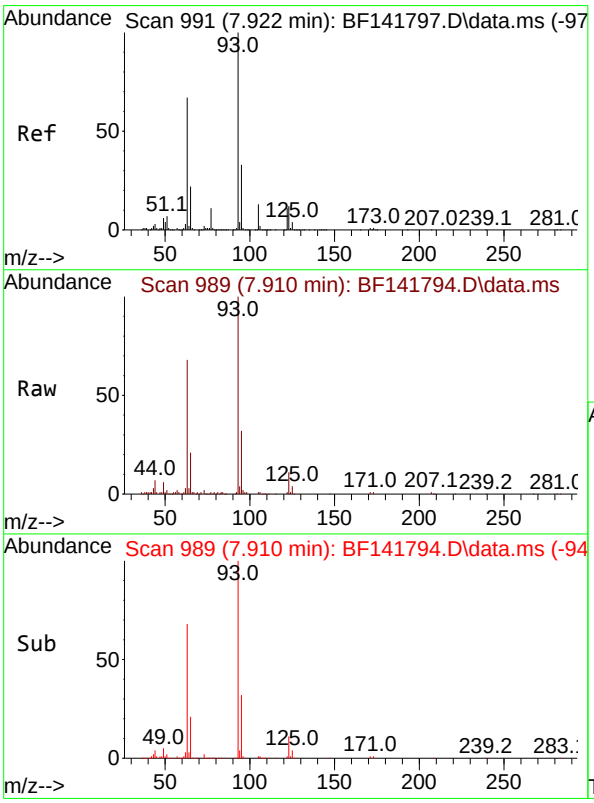
Ion	Ratio	Lower	Upper
122	100		
107	113.3	92.5	138.7
121	59.0	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

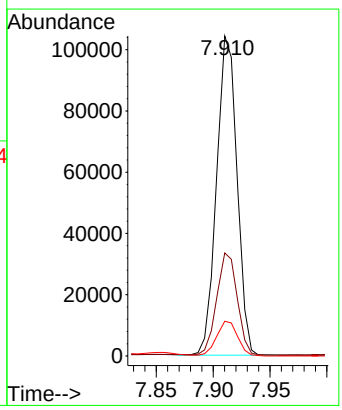


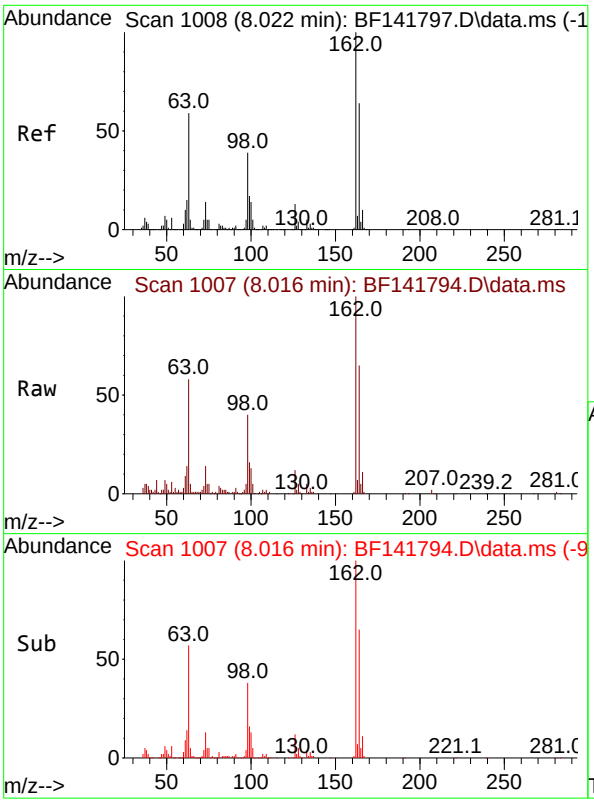


#28
bis(2-Chloroethoxy)methane
Concen: 5.395 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 93 Resp: 130473

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.5	39.7
123	10.9	10.0	15.0





#29
2,4-Dichlorophenol
Concen: 4.914 ng
RT: 8.016 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

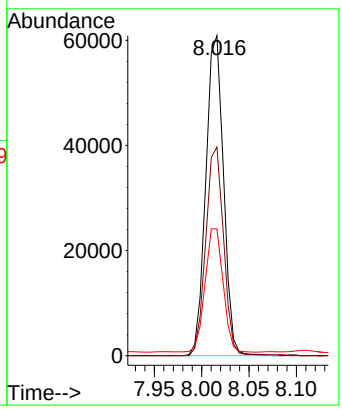
Tgt Ion:162 Resp: 7900

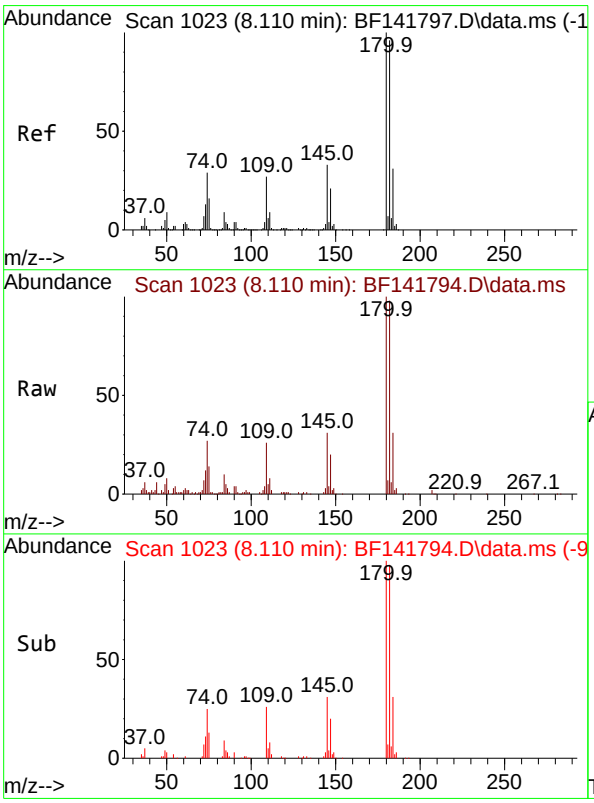
Ion	Ratio	Lower	Upper
162	100		
164	65.2	44.3	84.3
98	39.6	19.6	59.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

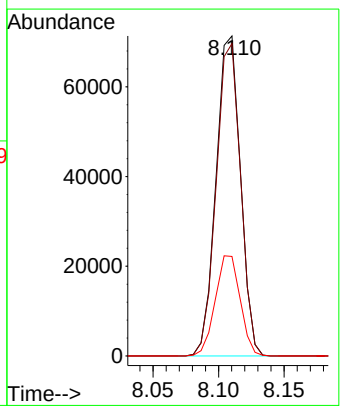


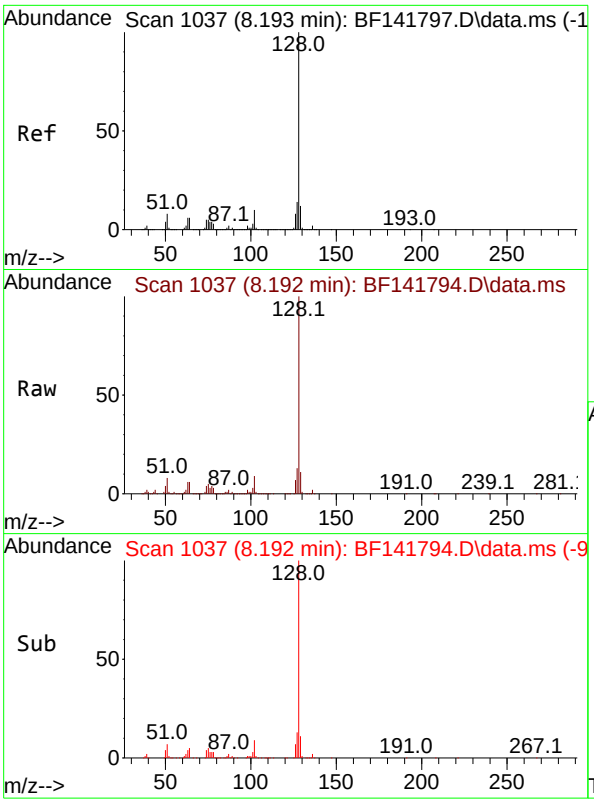


#30
1,2,4-Trichlorobenzene
Concen: 5.244 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:180 Resp: 92399

Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.8	115.2
145	31.1	26.4	39.6

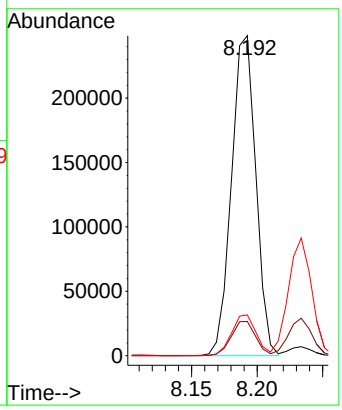




#31
Naphthalene
Concen: 5.546 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:128 Resp: 32154

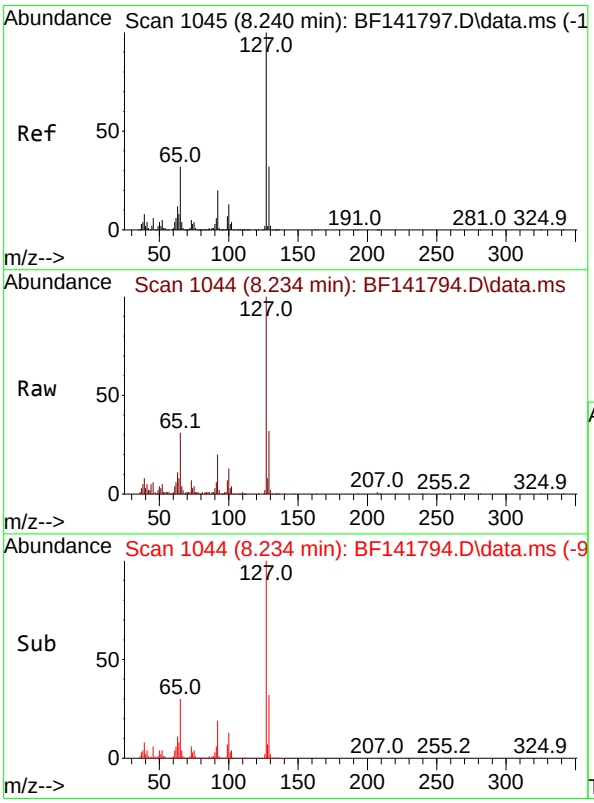
Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.2	13.8
127	12.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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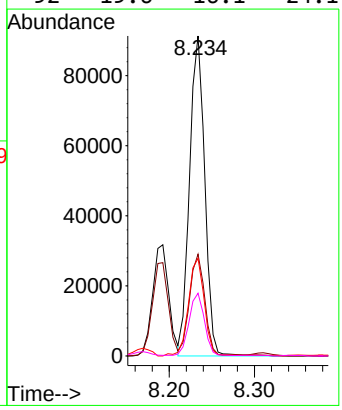
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

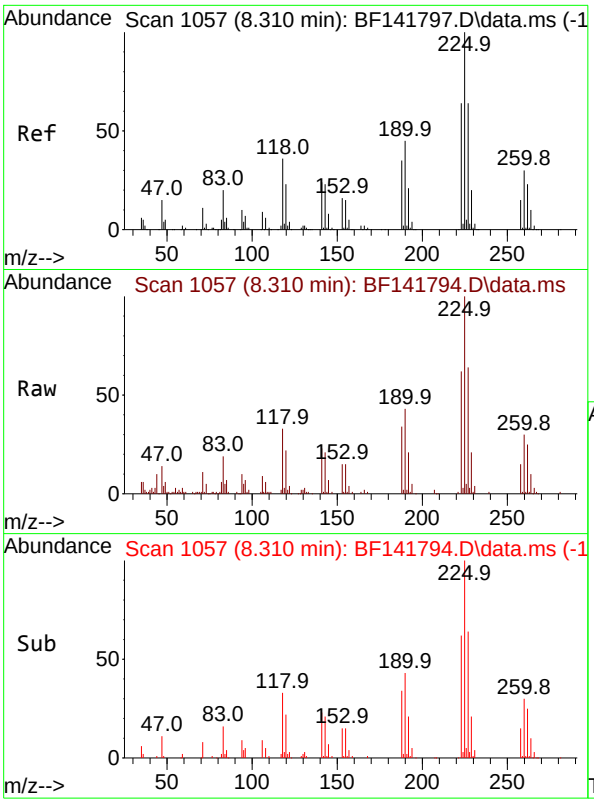


#33
4-Chloroaniline
Concen: 5.335 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:127 Resp: 113407

Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.1	39.1
65	30.5	25.7	38.5
92	19.6	16.1	24.1





#34
Hexachlorobutadiene
Concen: 5.134 ng
RT: 8.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

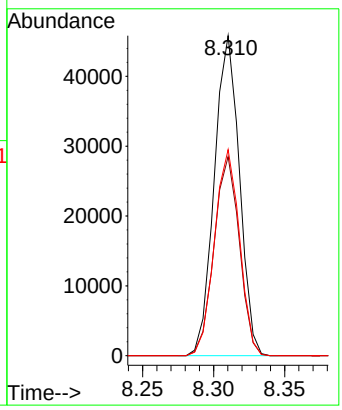
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

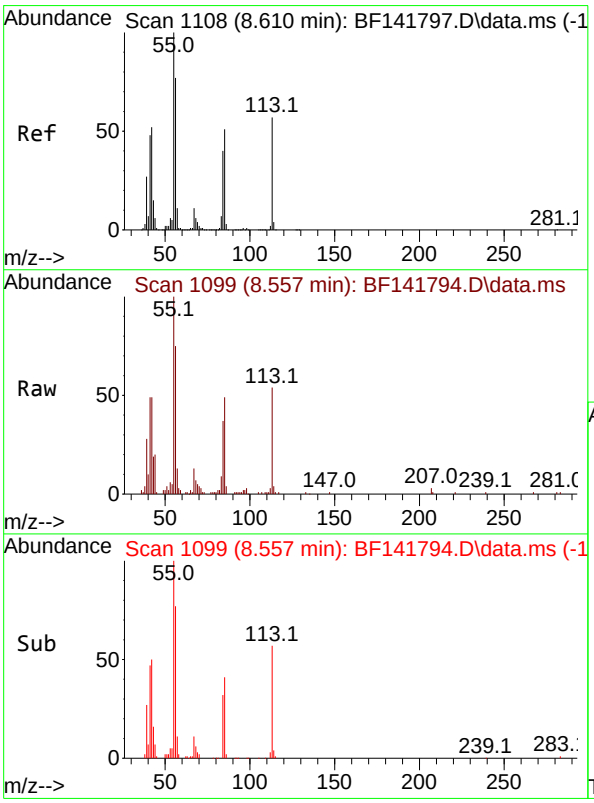
Tgt Ion:225 Resp: 5620

Ion	Ratio	Lower	Upper
225	100		
223	62.2	51.4	77.2
227	64.4	51.6	77.4

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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

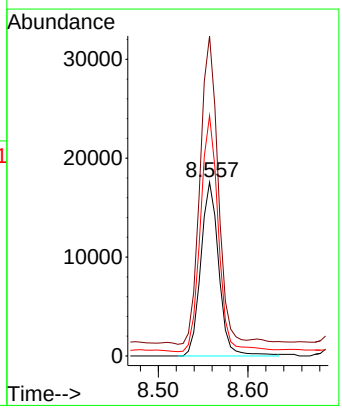


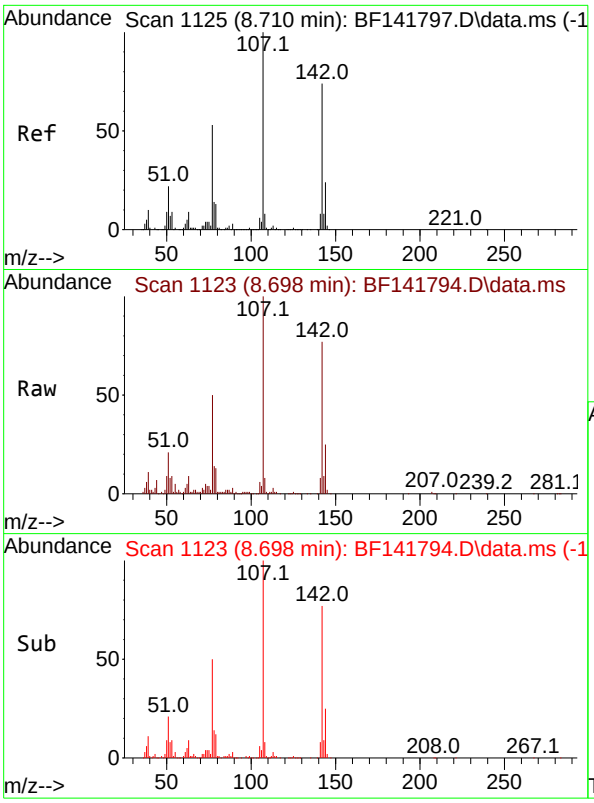


#35
Caprolactam
Concen: 4.946 ng
RT: 8.557 min Scan# 1099
Delta R.T. -0.053 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:113 Resp: 24467

Ion	Ratio	Lower	Upper
113	100		
55	184.1	155.6	195.6
56	138.2	114.6	154.6





#36
4-Chloro-3-methylphenol
Concen: 5.262 ng
RT: 8.698 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

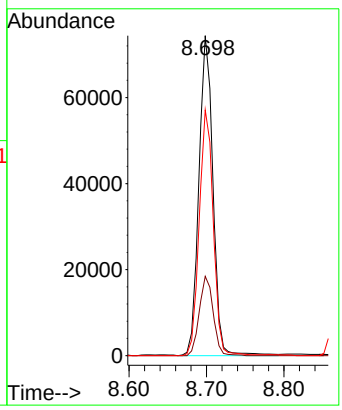
Tgt Ion:107 Resp: 9398

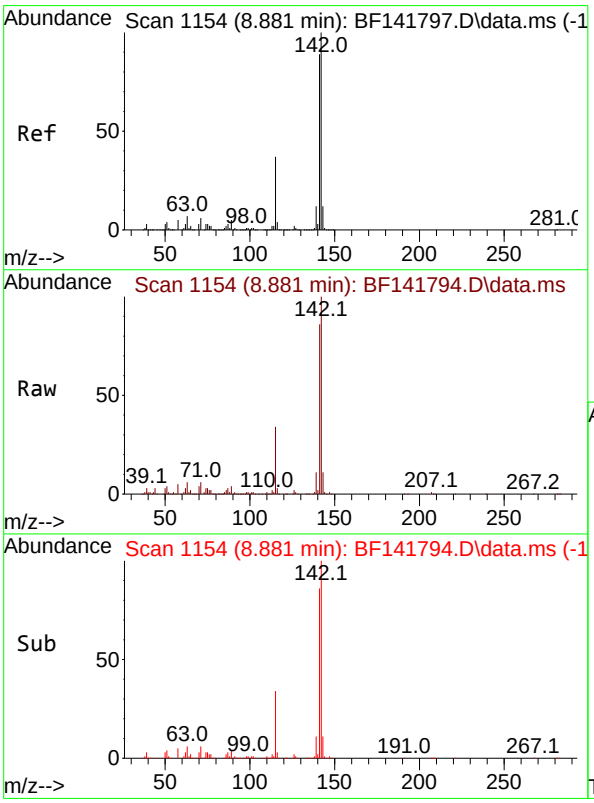
Ion	Ratio	Lower	Upper
107	100		
144	24.8	19.4	29.0
142	76.8	59.4	89.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

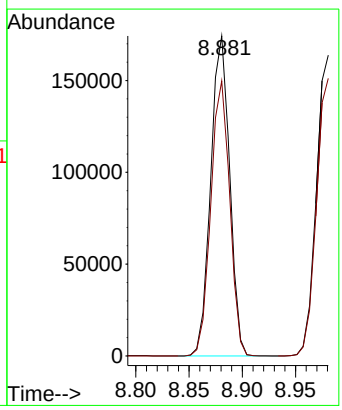


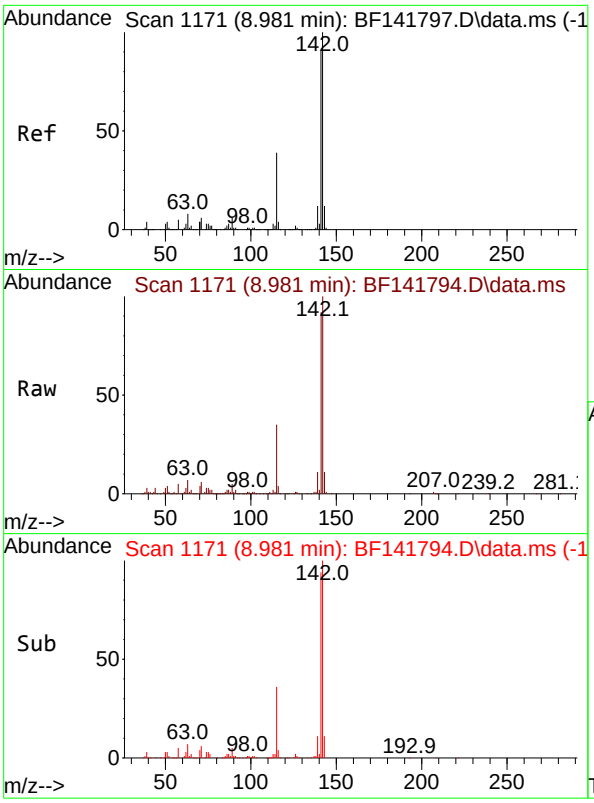


#37
2-Methylnaphthalene
Concen: 5.653 ng
RT: 8.881 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:142 Resp: 214971

Ion	Ratio	Lower	Upper
142	100		
141	86.0	71.1	106.7

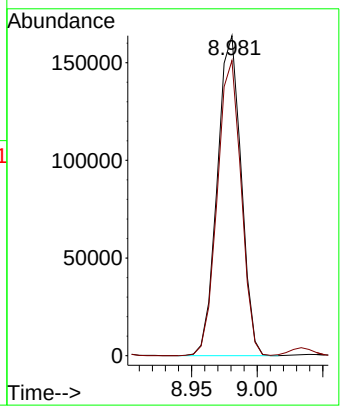




#38
1-Methylnaphthalene
Concen: 5.676 ng
RT: 8.981 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:142 Resp: 20709

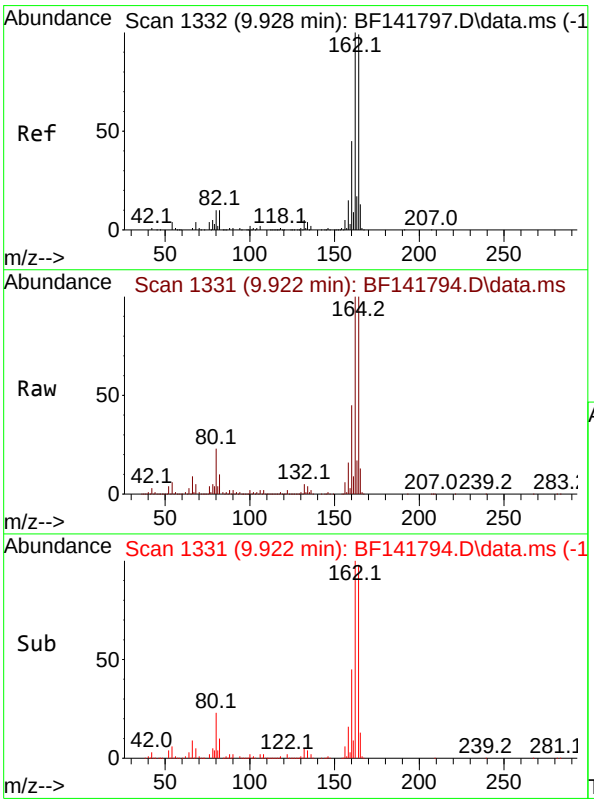
Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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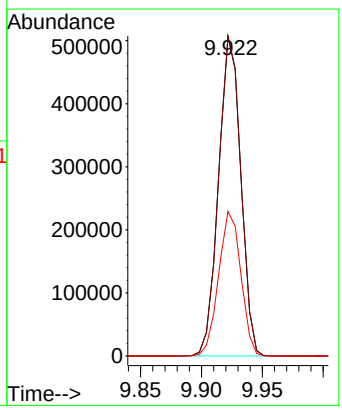
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

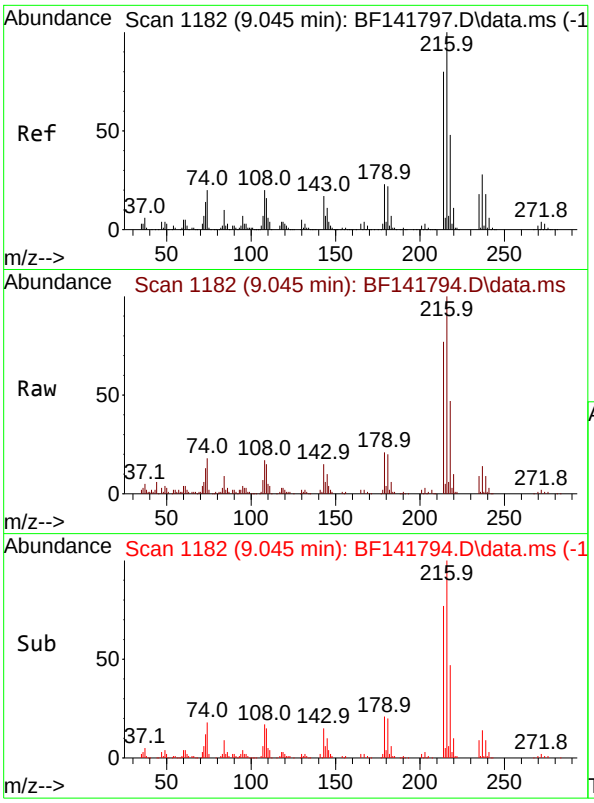


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:164 Resp: 643922

Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.6	120.8
160	45.3	36.3	54.5

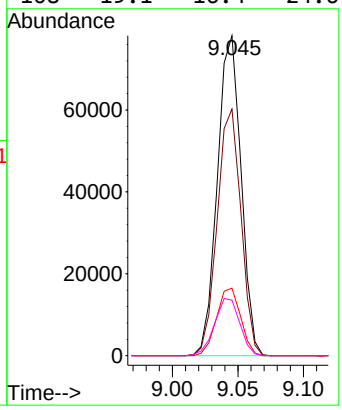




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.275 ng
RT: 9.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:216 Resp: 9810

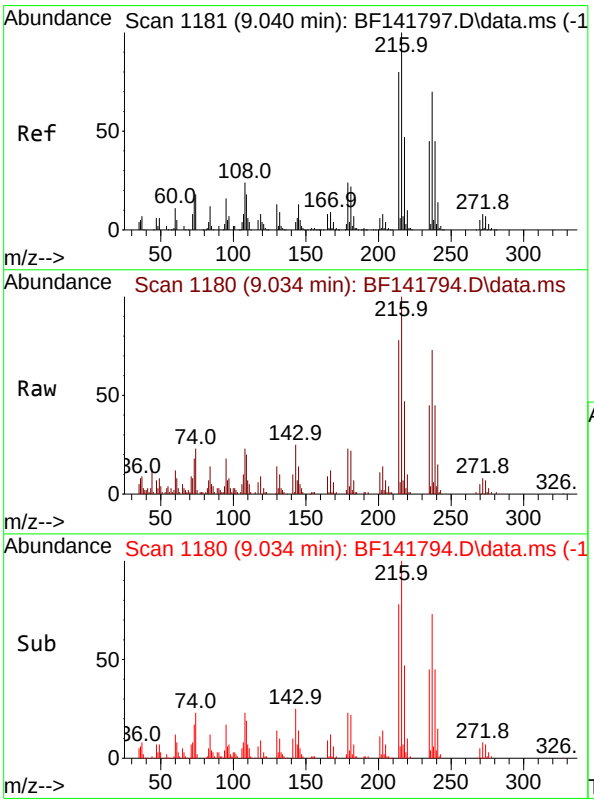
Ion	Ratio	Lower	Upper
216	100		
214	77.2	63.5	95.3
179	21.5	18.1	27.1
108	19.1	16.4	24.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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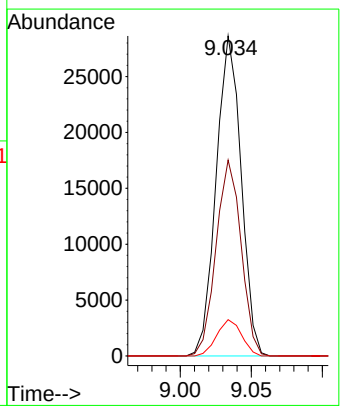
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

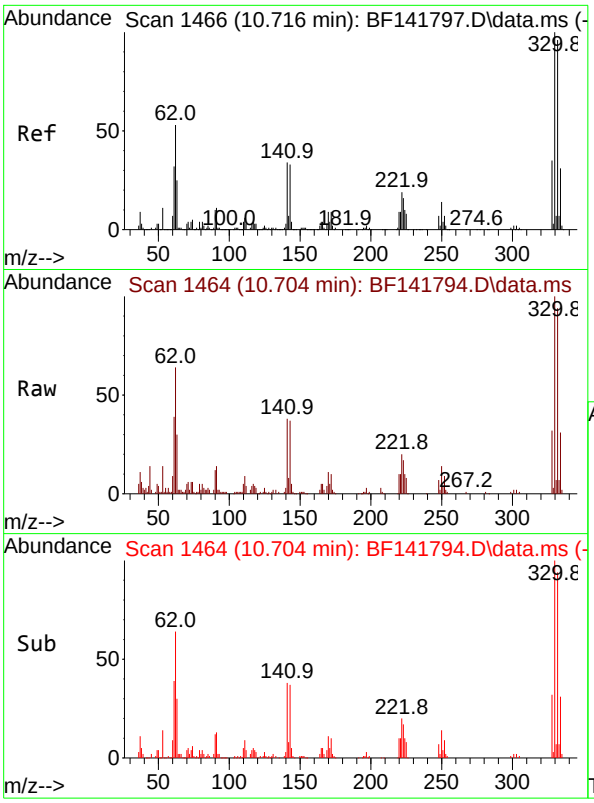


#41
Hexachlorocyclopentadiene
Concen: 4.508 ng
RT: 9.034 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:237 Resp: 34990

Ion	Ratio	Lower	Upper
237	100		
235	61.2	43.3	83.3
272	11.4	0.0	31.9

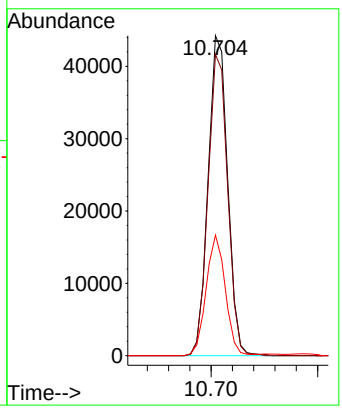




#42
2,4,6-Tribromophenol
Concen: 9.331 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:330 Resp: 5640

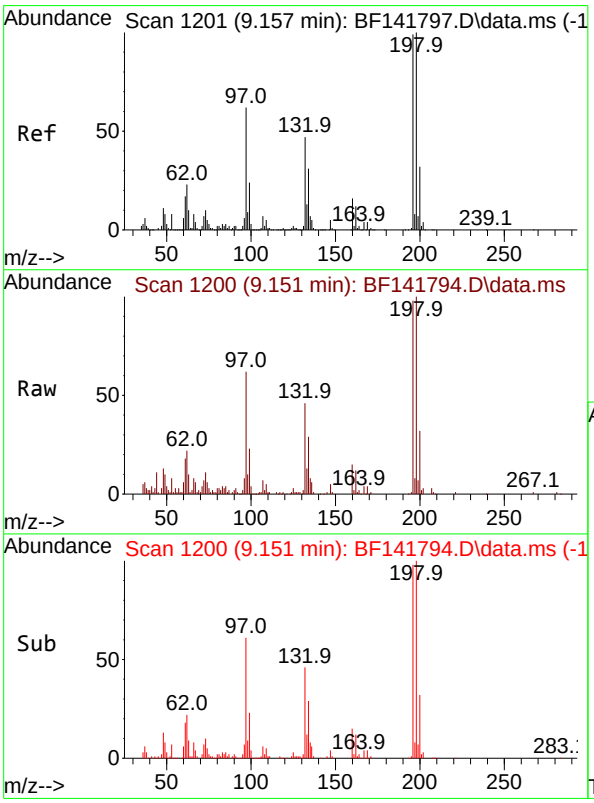
Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.6	115.0
141	37.1	29.0	43.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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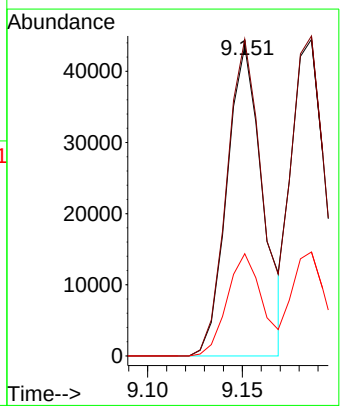
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

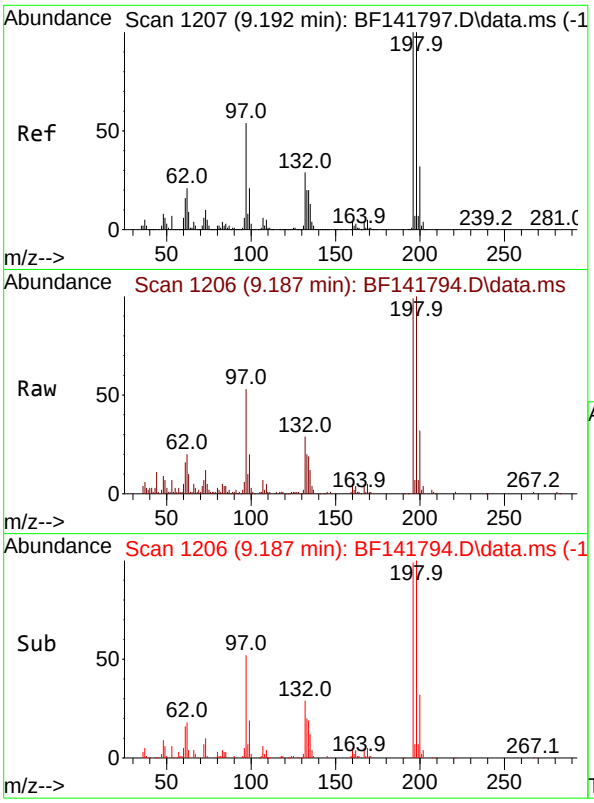


#43
2,4,6-Trichlorophenol
Concen: 4.753 ng
RT: 9.151 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:196 Resp: 57097

Ion	Ratio	Lower	Upper
196	100		
198	102.2	80.4	120.6
200	33.0	25.7	38.5

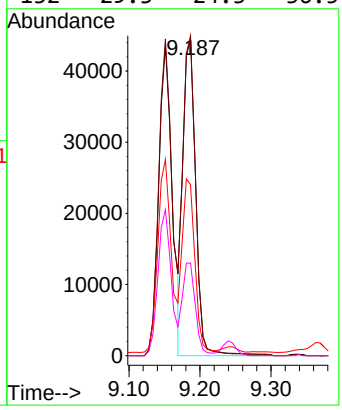




#44
2,4,5-Trichlorophenol
Concen: 4.706 ng
RT: 9.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:196 Resp: 5597

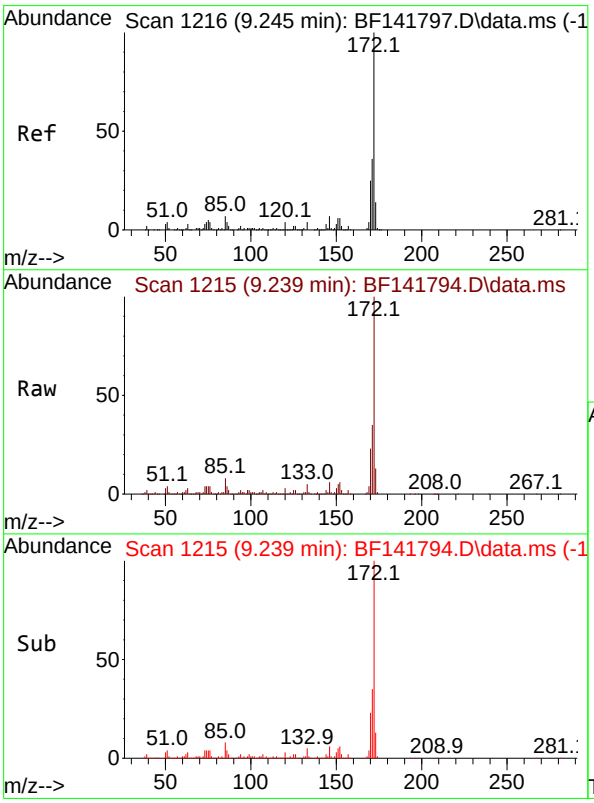
Ion	Ratio	Lower	Upper
196	100		
198	101.1	79.7	119.5
97	54.0	44.2	66.2
132	29.3	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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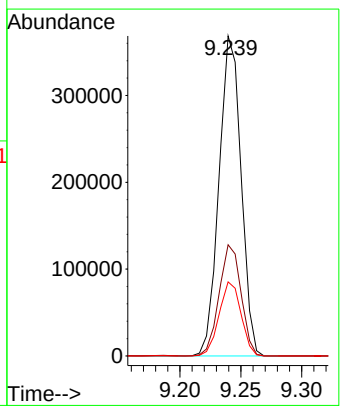
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

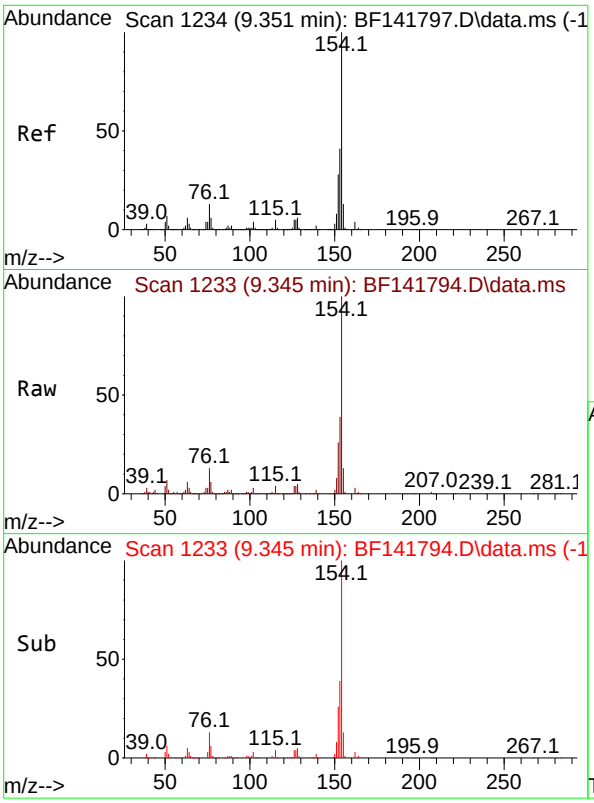


#45
2-Fluorobiphenyl
Concen: 11.570 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:172 Resp: 464621

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.2	43.8
170	23.2	19.7	29.5

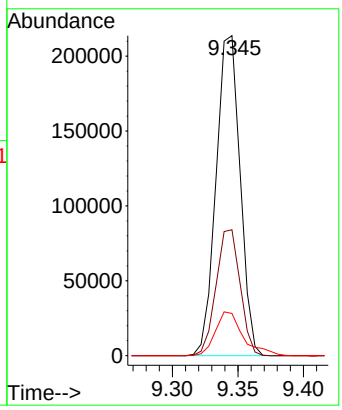




#46
1,1'-Biphenyl
Concen: 5.563 ng
RT: 9.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:154 Resp: 27264

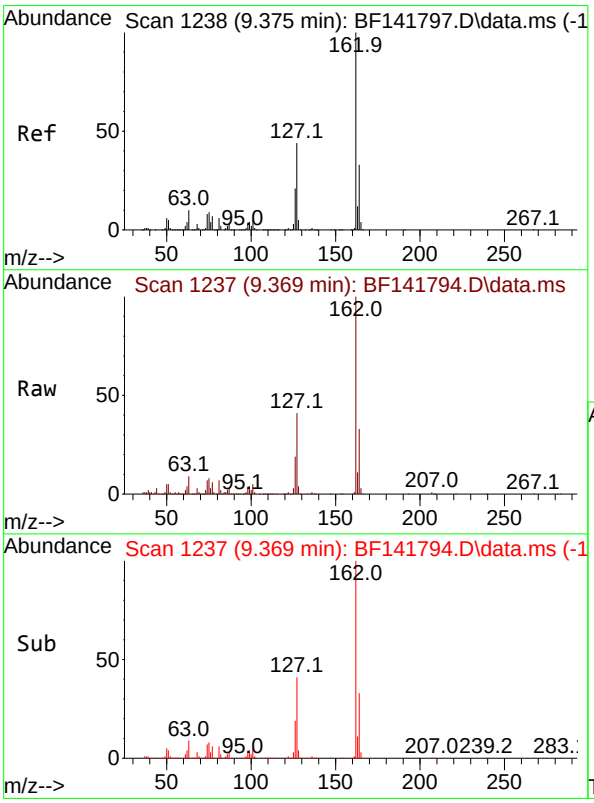
Ion	Ratio	Lower	Upper
154	100		
153	39.4	21.4	61.4
76	13.2	0.0	33.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

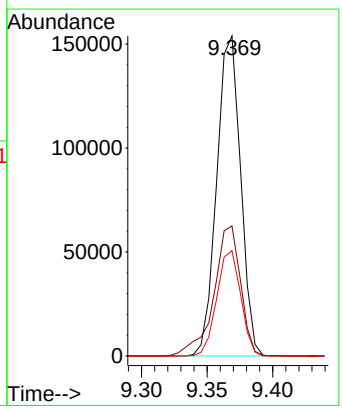
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

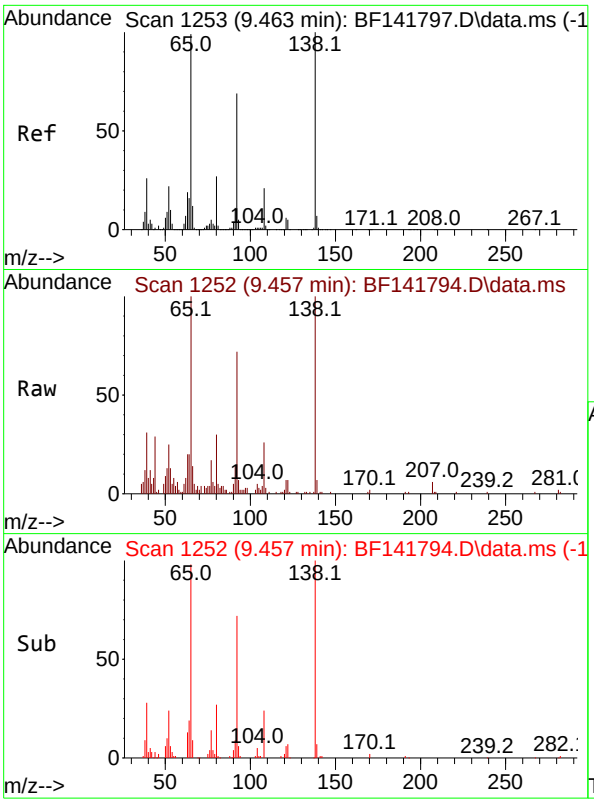


#47
2-Chloronaphthalene
Concen: 5.388 ng
RT: 9.369 min Scan# 1237
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:162 Resp: 194915

Ion	Ratio	Lower	Upper
162	100		
127	40.7	35.0	52.6
164	32.9	26.6	40.0





#48
2-Nitroaniline
Concen: 6.586 ng
RT: 9.457 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

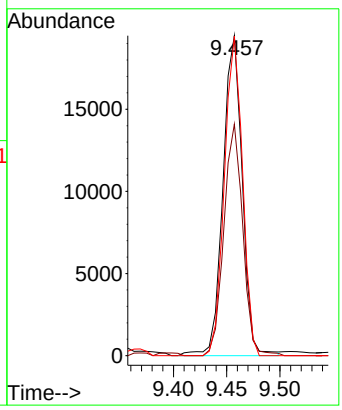
Tgt Ion: 65 Resp: 2446

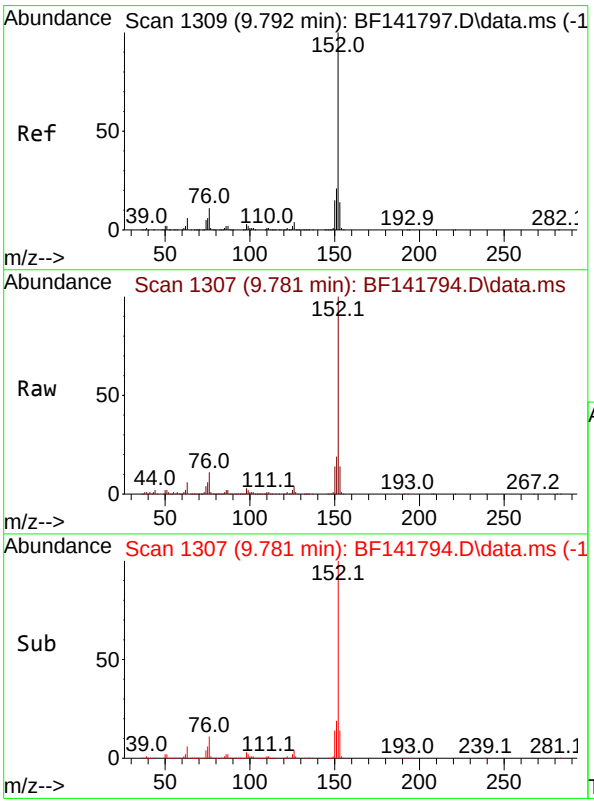
Ion	Ratio	Lower	Upper
65	100		
92	72.3	55.7	83.5
138	99.8	80.6	121.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

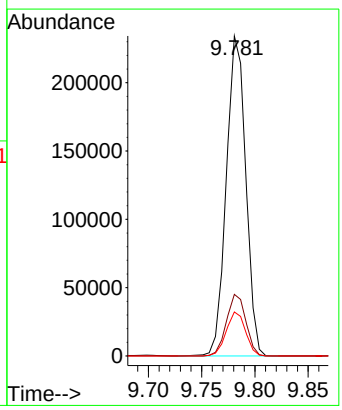


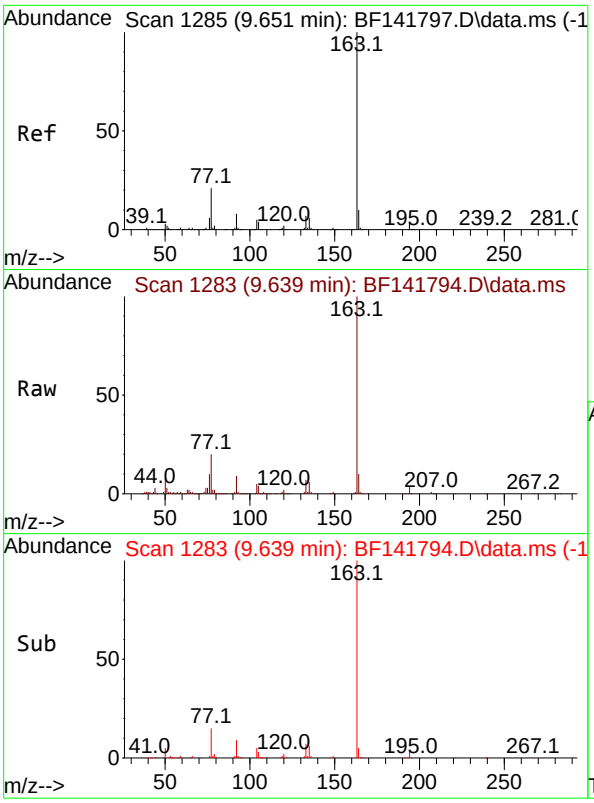


#49
Acenaphthylene
Concen: 5.481 ng
RT: 9.781 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:152 Resp: 297257

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.6	24.8
153	13.8	11.2	16.8

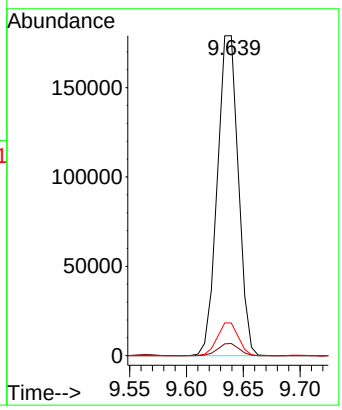




#50
Dimethylphthalate
Concen: 5.344 ng
RT: 9.639 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:163 Resp: 23042

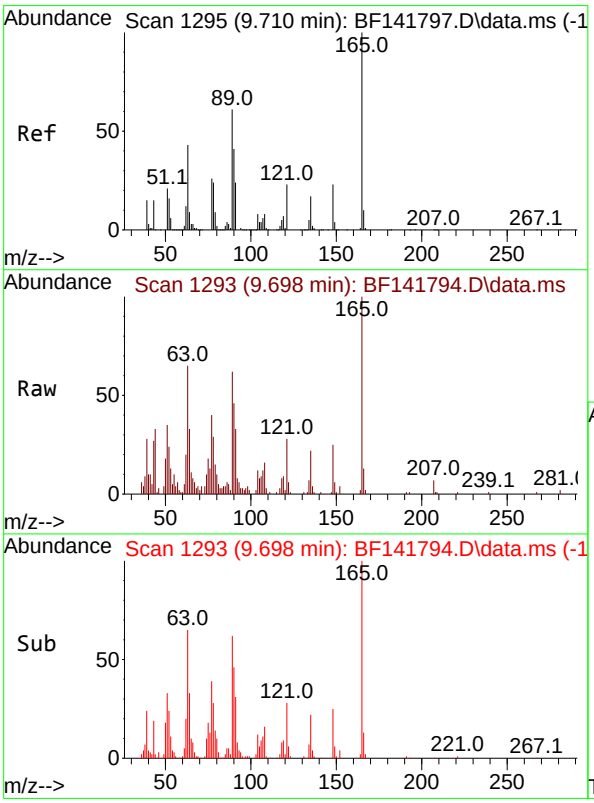
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.2	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

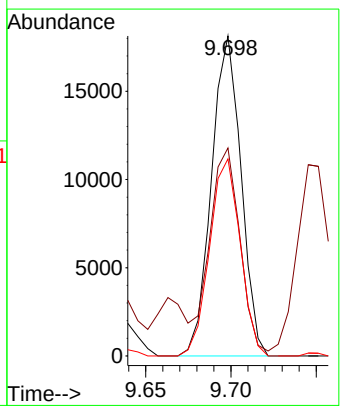
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

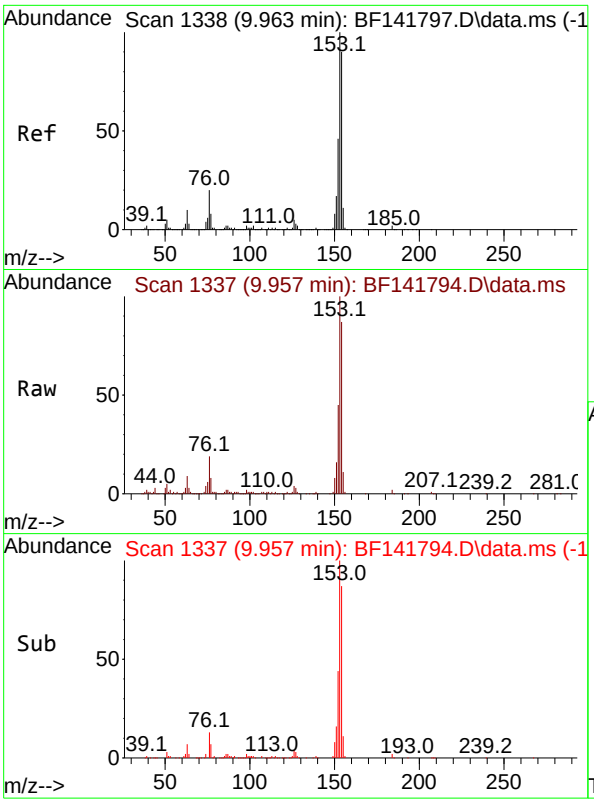


#51
2,6-Dinitrotoluene
Concen: 5.327 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:165 Resp: 21902

Ion	Ratio	Lower	Upper
165	100		
63	65.0	49.5	74.3
89	61.6	49.0	73.4

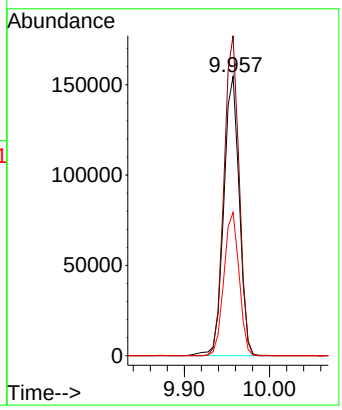




#52
Acenaphthene
Concen: 5.353 ng
RT: 9.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:154 Resp: 19591

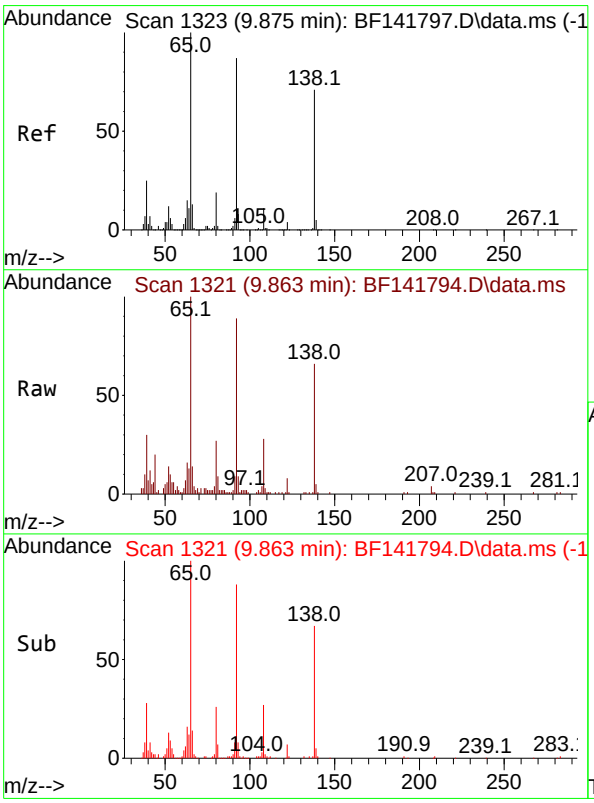
Ion	Ratio	Lower	Upper
154	100		
153	114.6	88.7	133.1
152	51.4	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

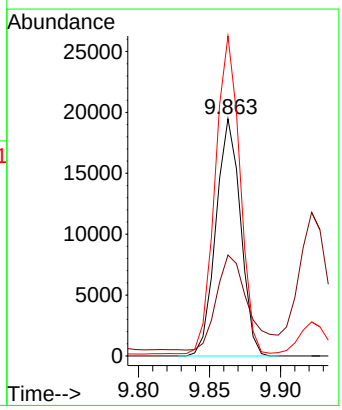
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

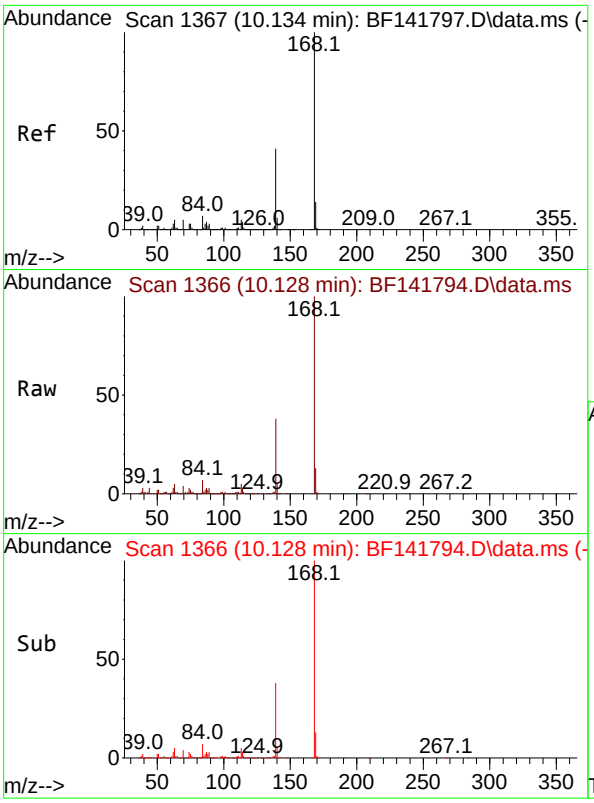


#53
3-Nitroaniline
Concen: 5.471 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:138 Resp: 23458

Ion	Ratio	Lower	Upper
138	100		
108	42.5	12.7	19.1#
92	134.9	97.9	146.9

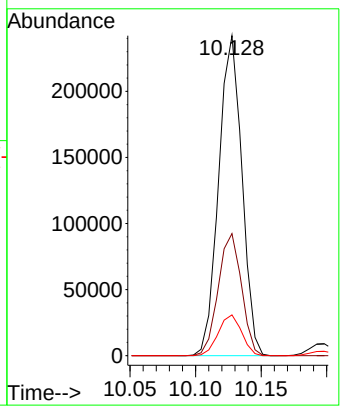




#55
Dibenzofuran
Concen: 5.590 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:168 Resp: 29775

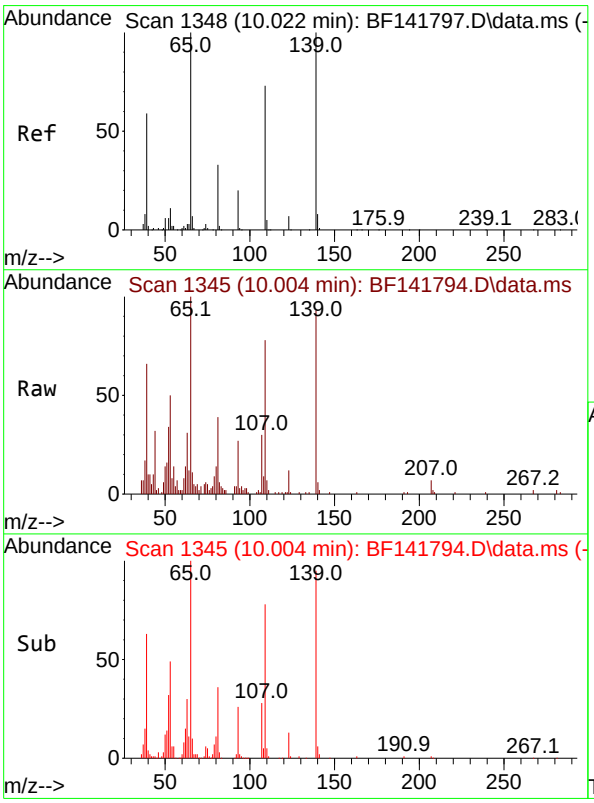
Ion	Ratio	Lower	Upper
168	100		
139	38.1	32.9	49.3
169	12.8	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

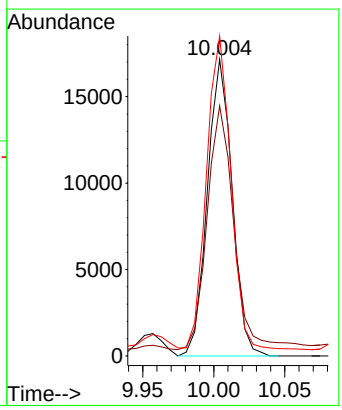
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

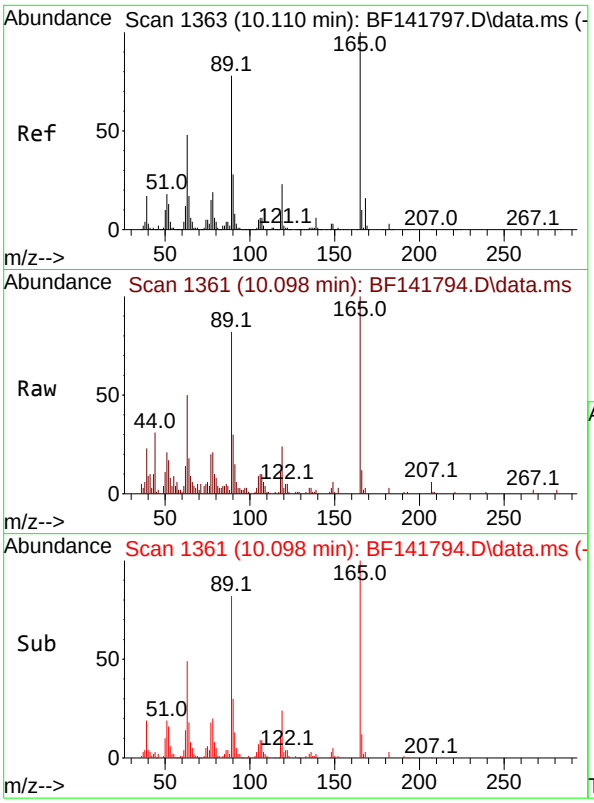


#56
4-Nitrophenol
Concen: 3.272 ng
RT: 10.004 min Scan# 1345
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:139 Resp: 20838

Ion	Ratio	Lower	Upper
139	100		
109	84.4	53.4	93.4
65	107.9	82.1	122.1

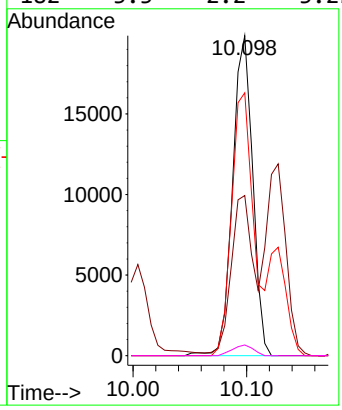




#57
2,4-Dinitrotoluene
Concen: 5.755 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:165 Resp: 2425

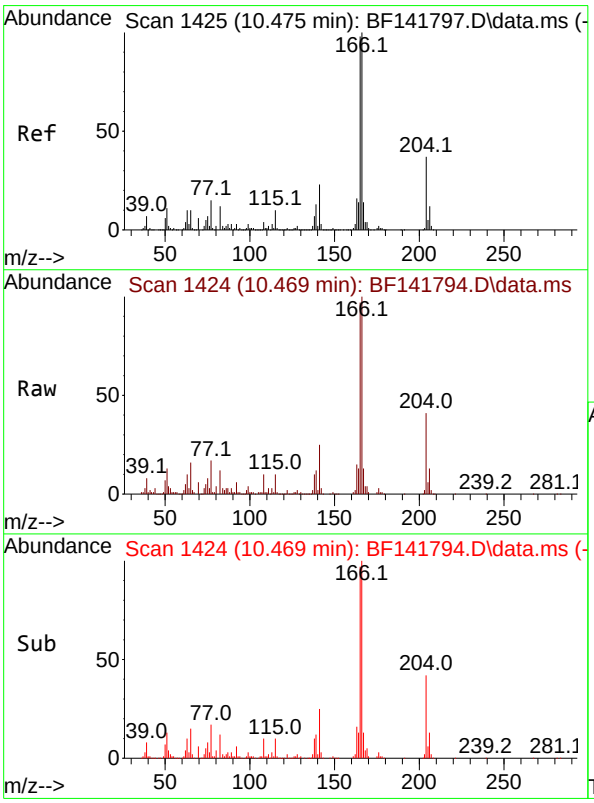
Ion	Ratio	Lower	Upper
165	100		
63	50.0	38.8	58.2
89	82.2	62.6	94.0
182	3.3	2.2	3.2#



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

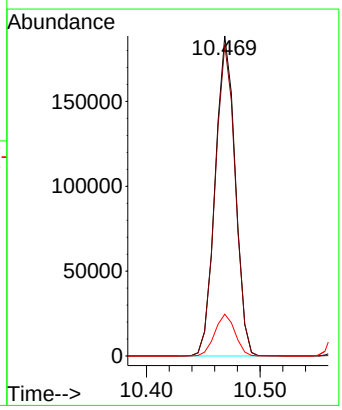
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

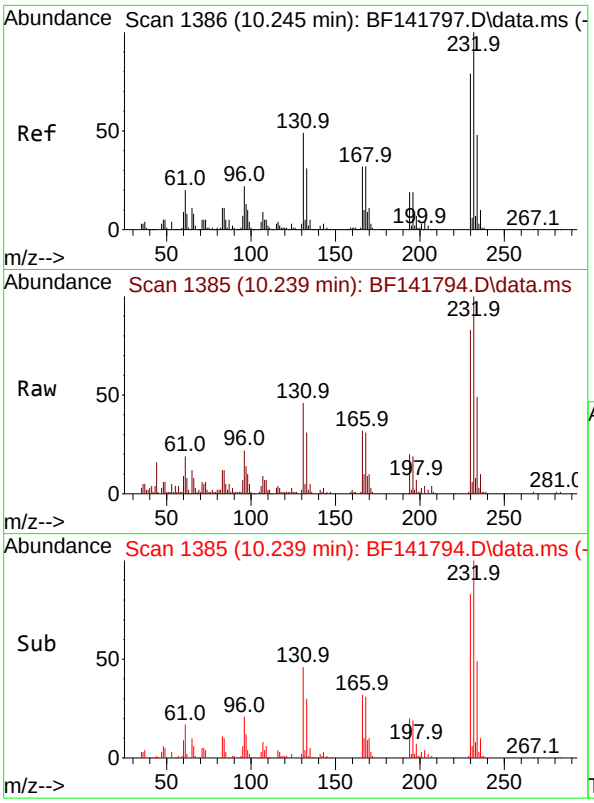


#58
Fluorene
Concen: 5.782 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:166 Resp: 230713

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.6	117.8
167	13.0	11.0	16.4

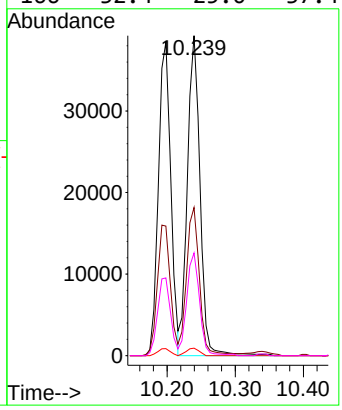




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.873 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:232 Resp: 5041

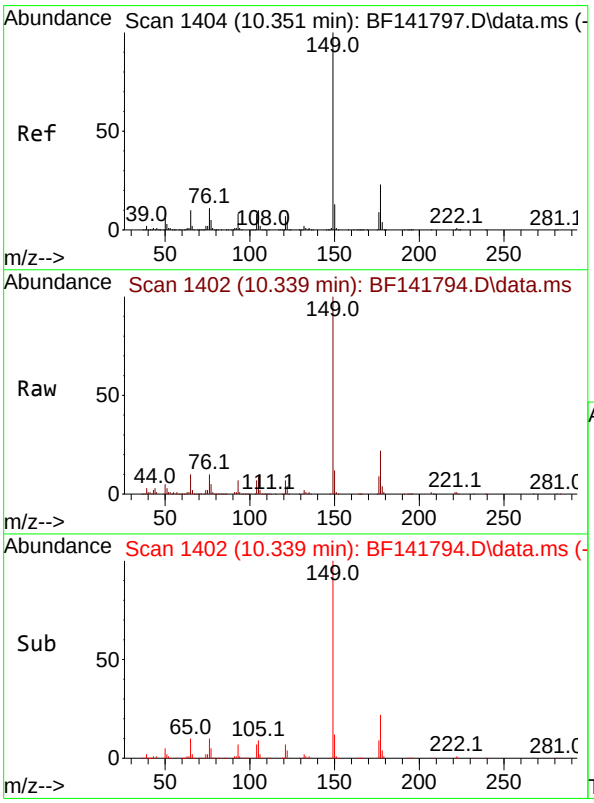
Ion	Ratio	Lower	Upper
232	100		
131	47.2	37.8	56.8
130	2.4	2.0	3.0
166	32.4	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

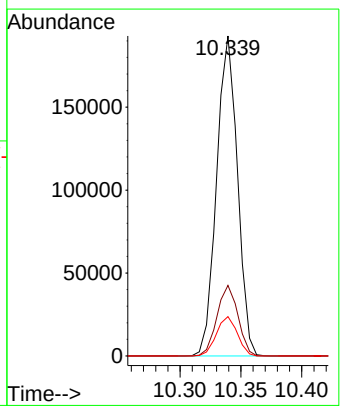
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

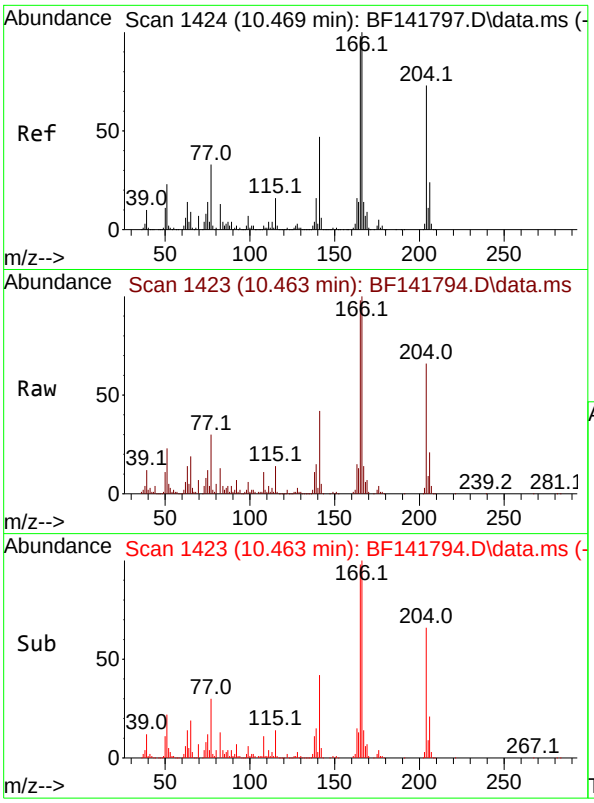


#60
Diethylphthalate
Concen: 5.322 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:149 Resp: 230060

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.3	27.5
150	12.3	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 5.561 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

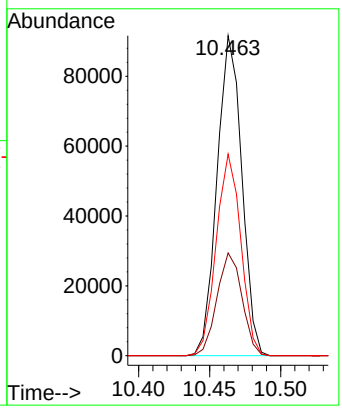
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

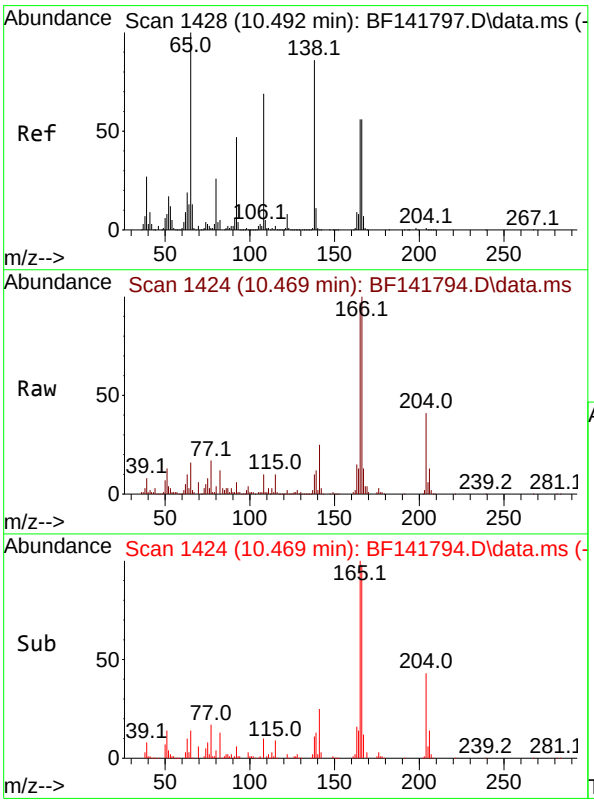
Tgt Ion:204 Resp: 111169

Ion	Ratio	Lower	Upper
204	100		
206	32.1	26.2	39.4
141	63.0	51.7	77.5

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

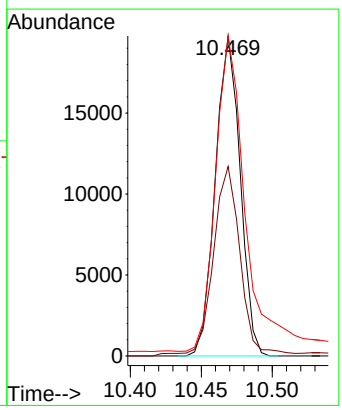


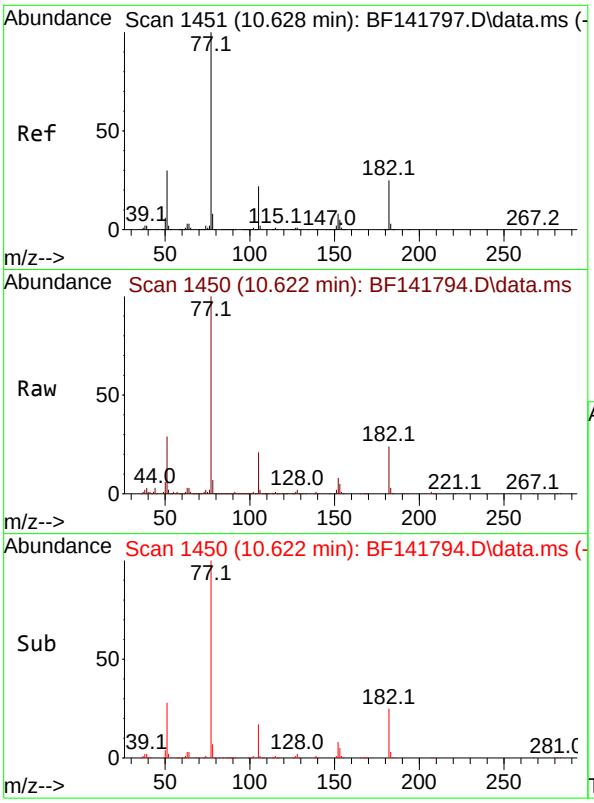


#62
4-Nitroaniline
Concen: 3.260 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.024 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:138 Resp: 24006

Ion	Ratio	Lower	Upper
138	100		
92	59.3	34.9	74.9
108	100.2	59.6	99.6#

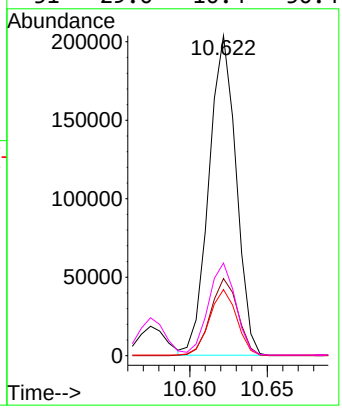




#63
Azobenzene
Concen: 5.460 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion: 77 Resp: 248519

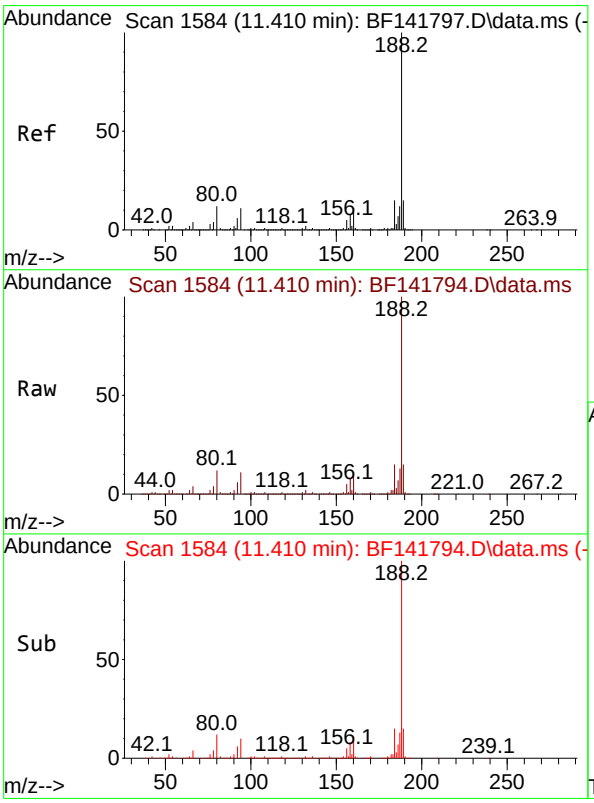
Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.2	44.2
105	20.7	1.5	41.5
51	29.0	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

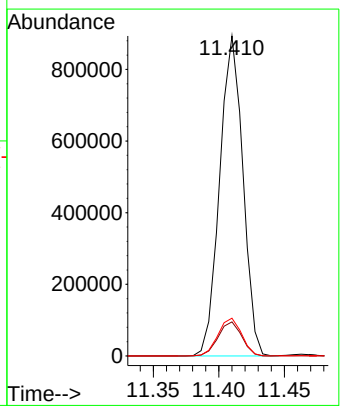
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

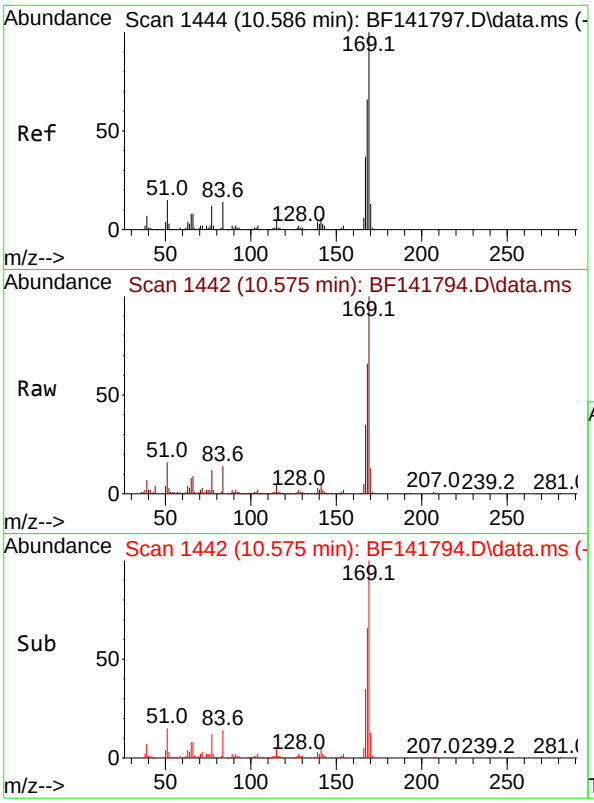


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:188 Resp: 1101046

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.9	13.3
80	11.8	9.7	14.5

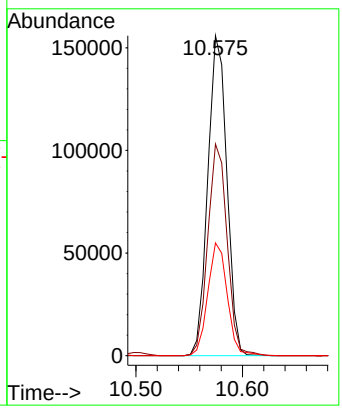




#66
n-Nitrosodiphenylamine
Concen: 5.344 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:169 Resp: 19320

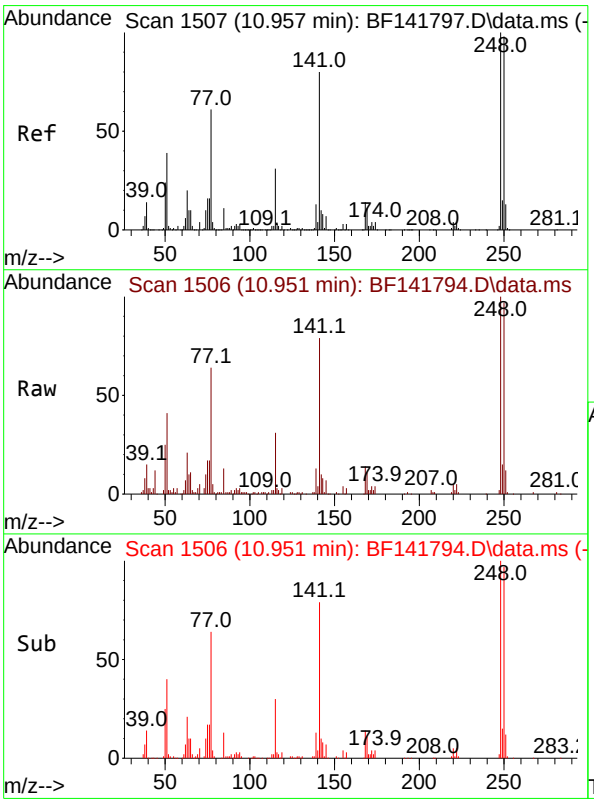
Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.6
167	35.2	29.3	43.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

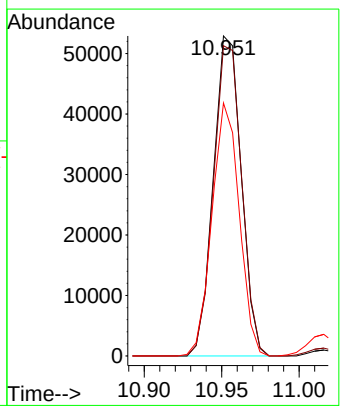
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

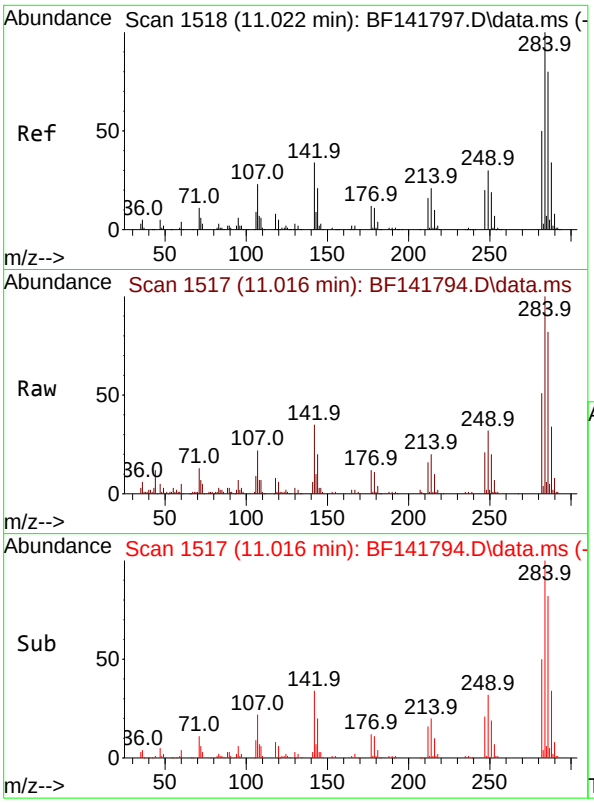


#67
4-Bromophenyl-phenylether
Concen: 5.156 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:248 Resp: 66312

Ion	Ratio	Lower	Upper
248	100		
250	97.0	78.1	117.1
141	79.0	64.3	96.5

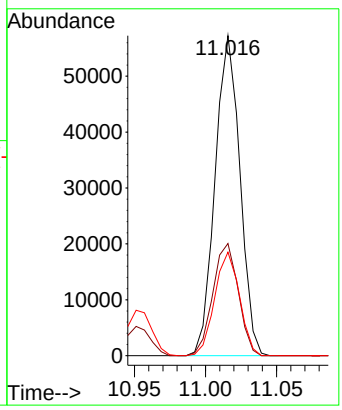




#68
Hexachlorobenzene
Concen: 5.125 ng
RT: 11.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:284 Resp: 6959

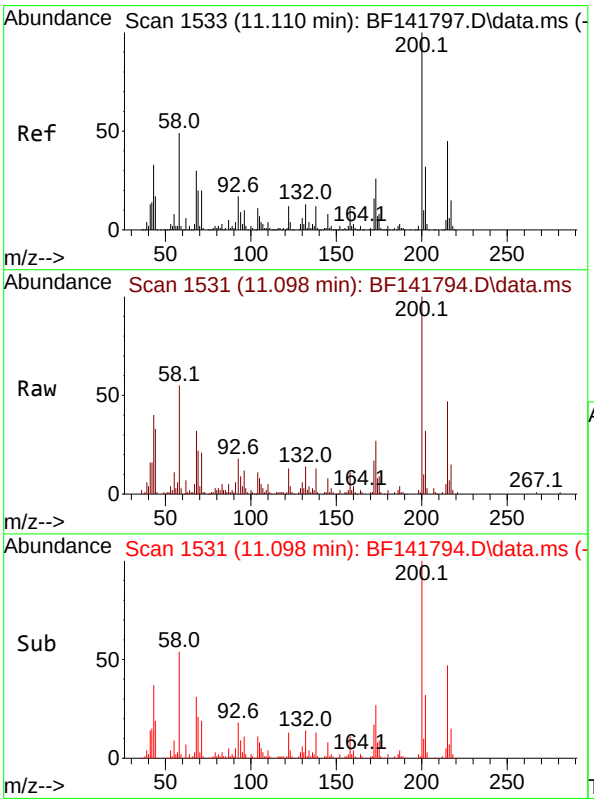
Ion	Ratio	Lower	Upper
284	100		
142	35.1	28.2	42.2
249	32.3	25.5	38.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

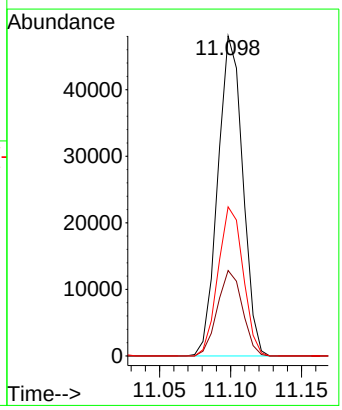
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

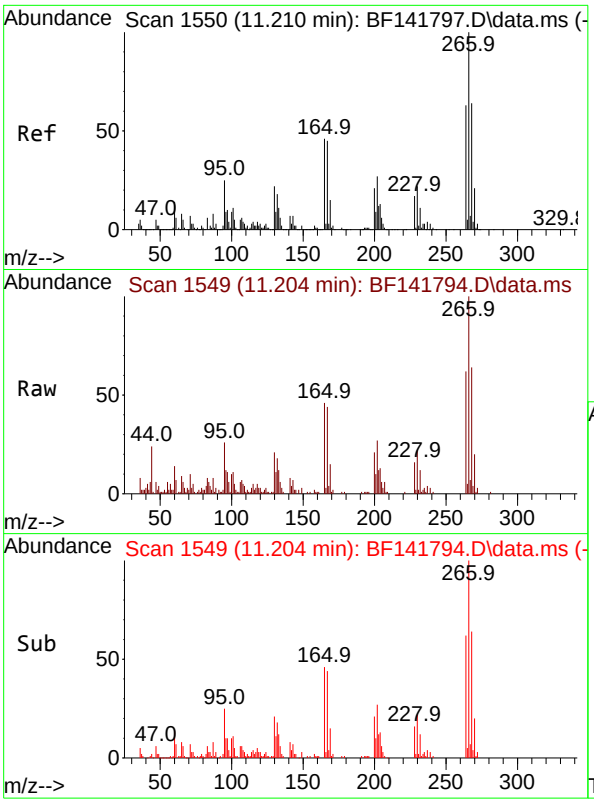


#69
Atrazine
Concen: 5.897 ng
RT: 11.098 min Scan# 1531
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:200 Resp: 58634

Ion	Ratio	Lower	Upper
200	100		
173	26.7	5.6	45.6
215	46.6	25.3	65.3

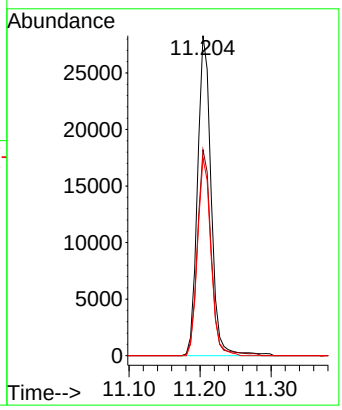




#70
Pentachlorophenol
Concen: 4.373 ng
RT: 11.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:266 Resp: 3766

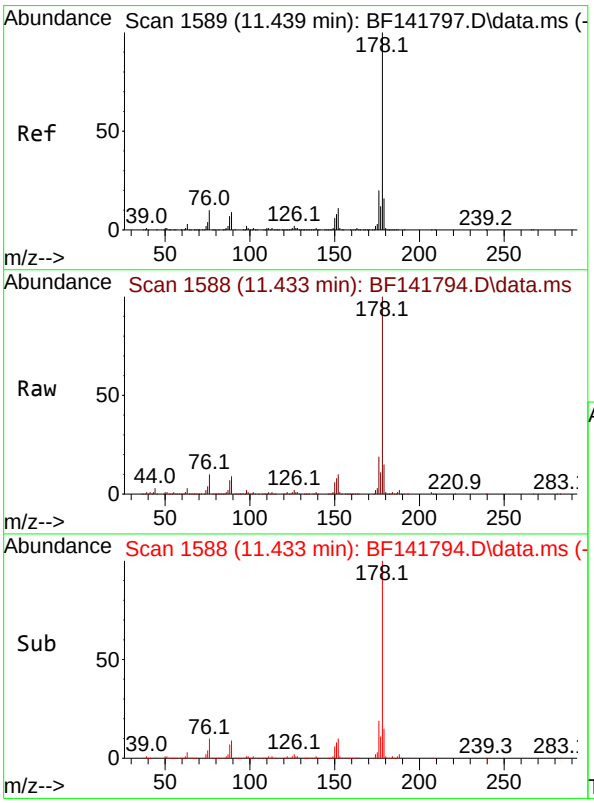
Ion	Ratio	Lower	Upper
266	100		
268	64.3	50.9	76.3
264	61.8	50.2	75.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

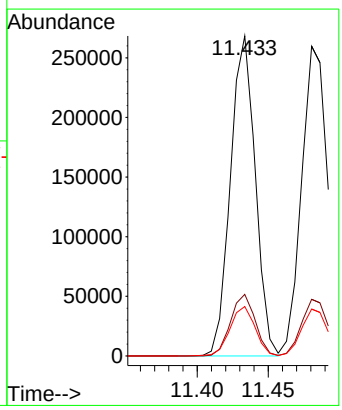
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

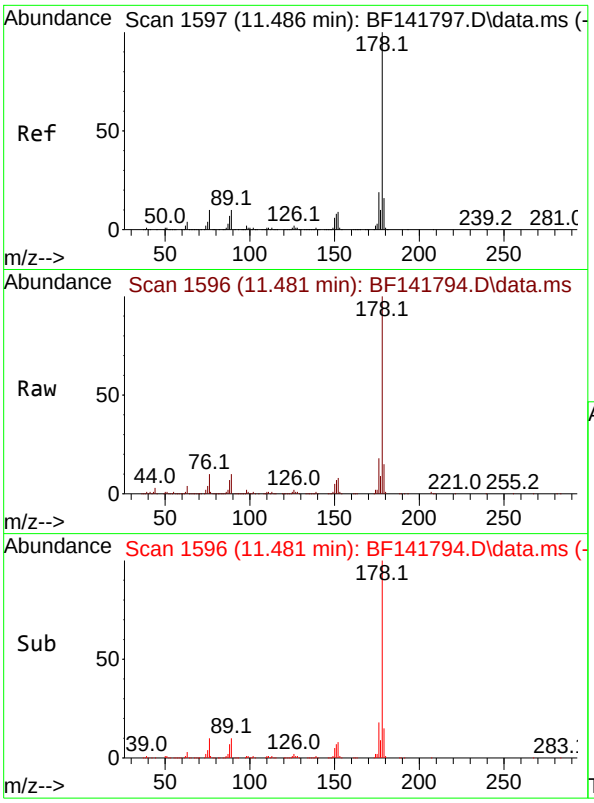


#71
Phenanthrene
Concen: 5.544 ng
RT: 11.433 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:178 Resp: 326529

Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.0	24.0
179	15.5	12.6	19.0

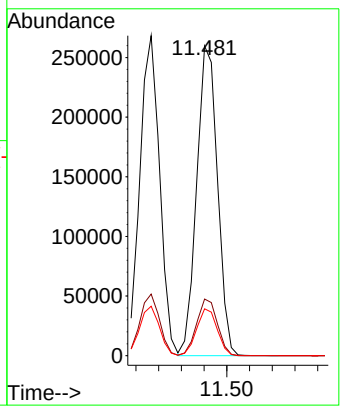




#72
Anthracene
Concen: 5.610 ng
RT: 11.481 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:178 Resp: 33114

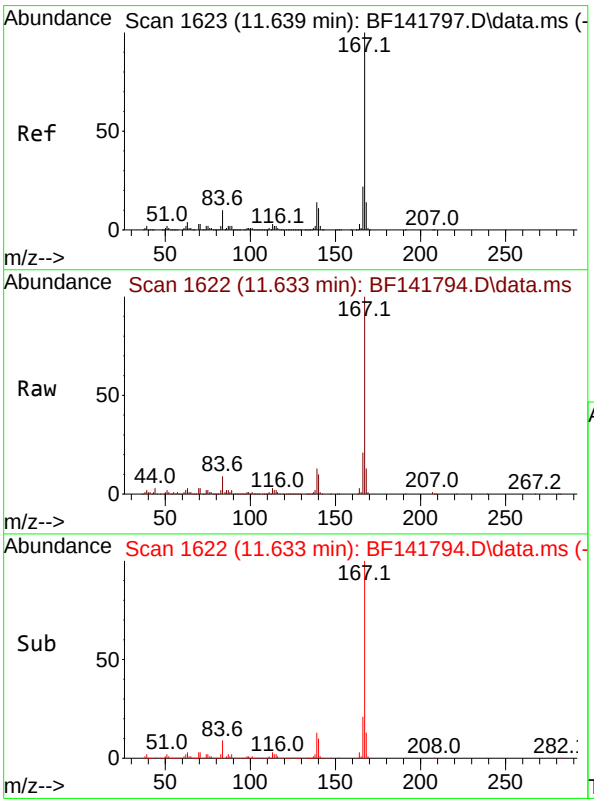
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	15.2	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

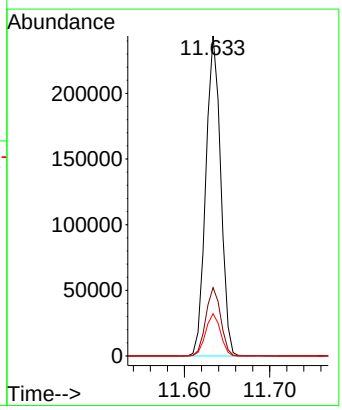
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

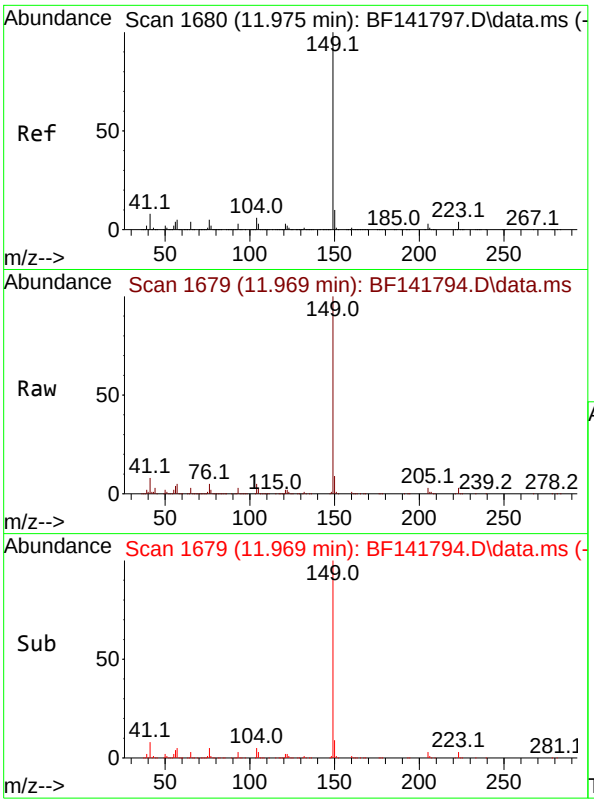


#73
Carbazole
Concen: 5.673 ng
RT: 11.633 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:167 Resp: 295693

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.5	26.3
139	13.2	11.3	16.9

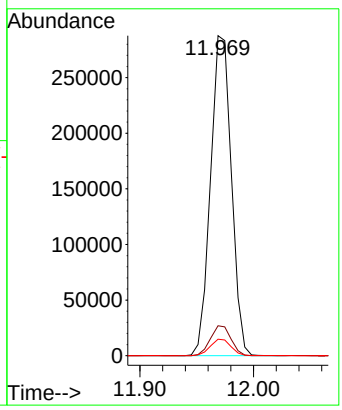




#74
Di-n-butylphthalate
Concen: 5.560 ng
RT: 11.969 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:149 Resp: 36734

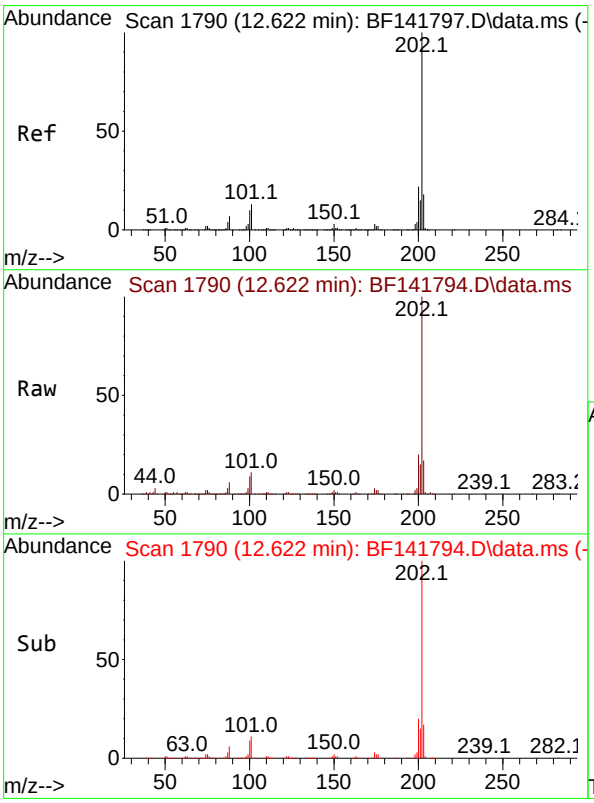
Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.7	11.5
104	5.1	4.4	6.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

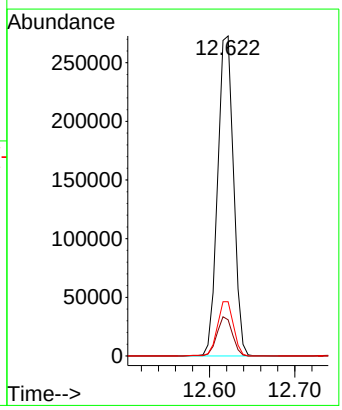
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

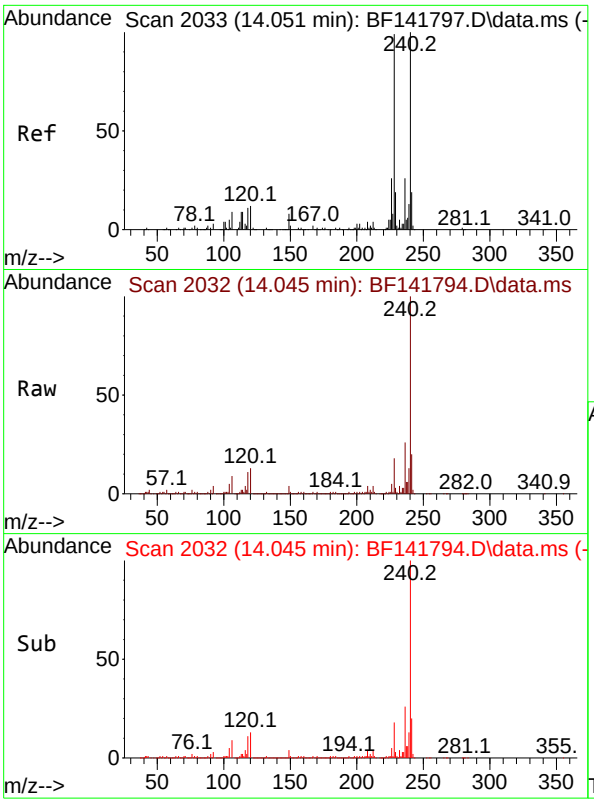


#75
Fluoranthene
Concen: 5.861 ng
RT: 12.622 min Scan# 1790
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:202 Resp: 353684

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.8
203	16.9	0.0	38.0

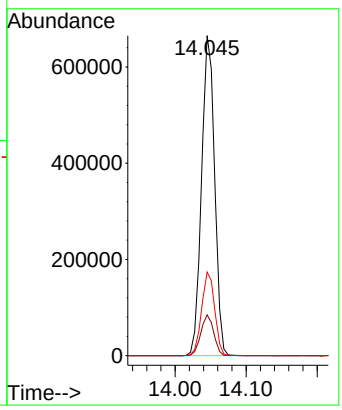




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:240 Resp: 85255

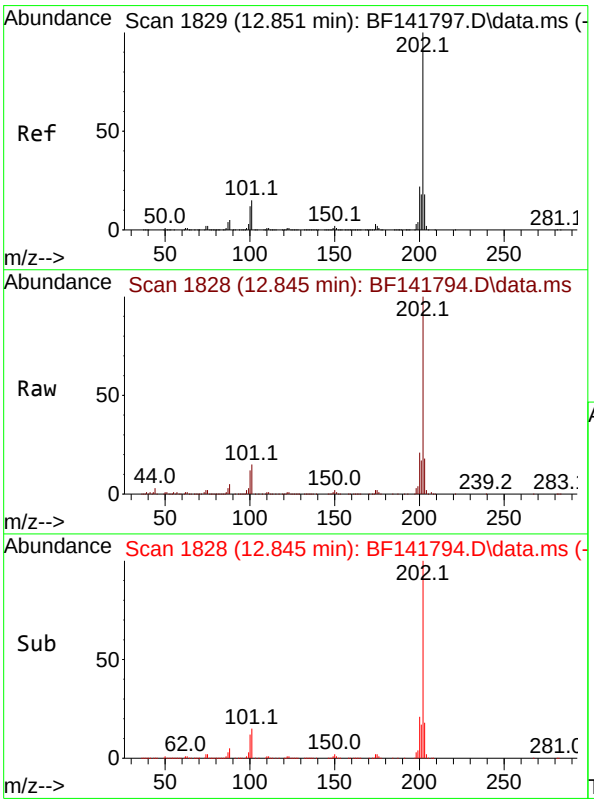
Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.7	14.5
236	26.2	21.0	31.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

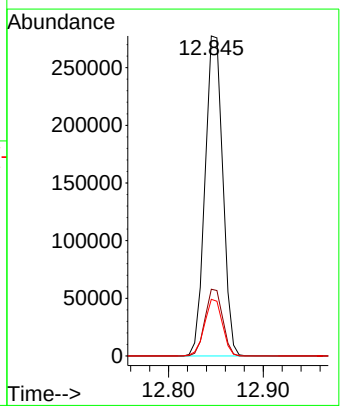
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

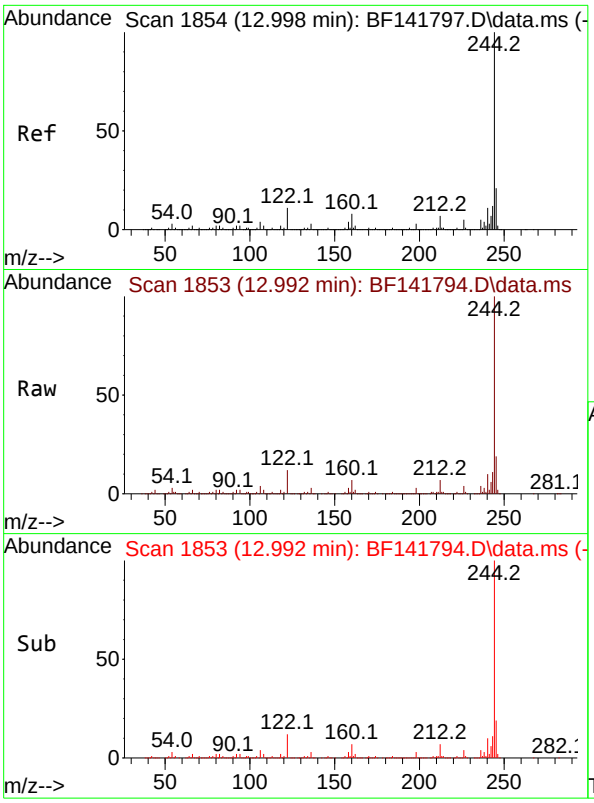


#78
Pyrene
Concen: 4.903 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:202 Resp: 361938

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.0
203	17.7	14.6	22.0

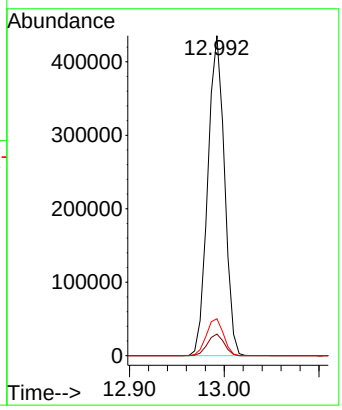




#79
Terphenyl-d14
Concen: 10.112 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:244 Resp: 53285

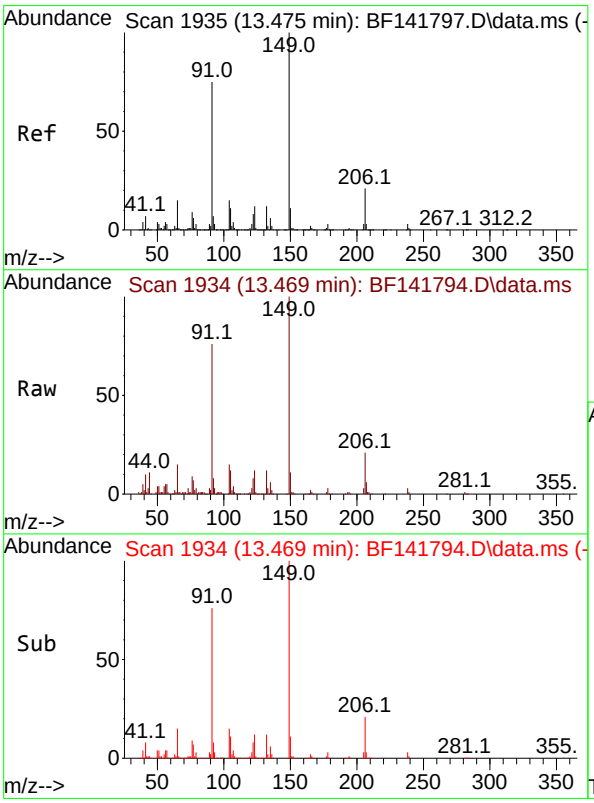
Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	11.5	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

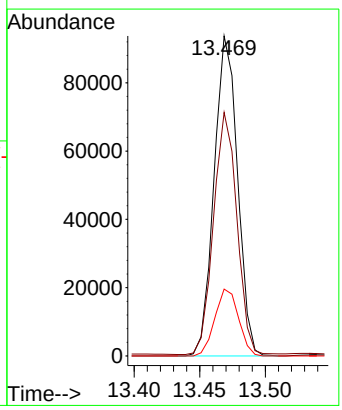
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

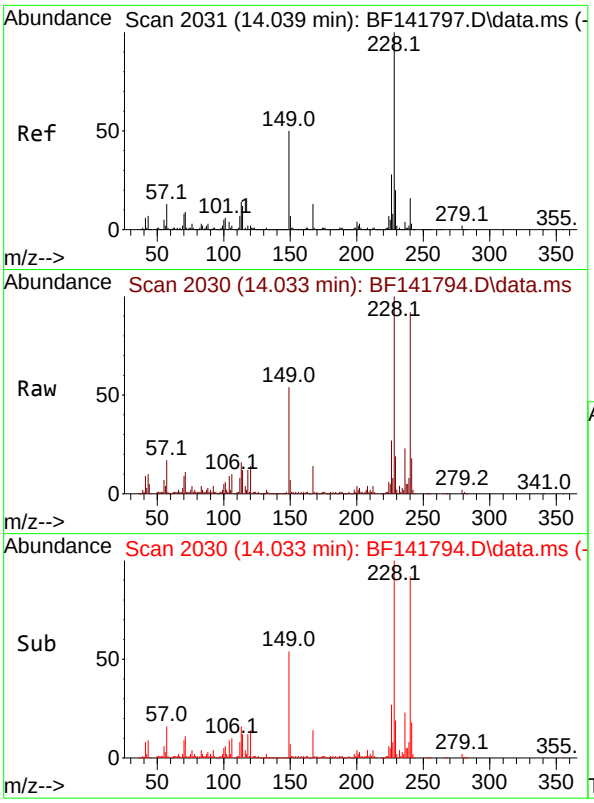


#80
Butylbenzylphthalate
Concen: 4.341 ng
RT: 13.469 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:149 Resp: 116439

Ion	Ratio	Lower	Upper
149	100		
91	76.1	60.1	90.1
206	20.9	16.8	25.2

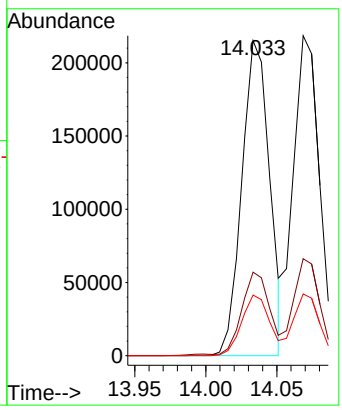




#81
Benzo(a)anthracene
Concen: 5.174 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:228 Resp: 29137

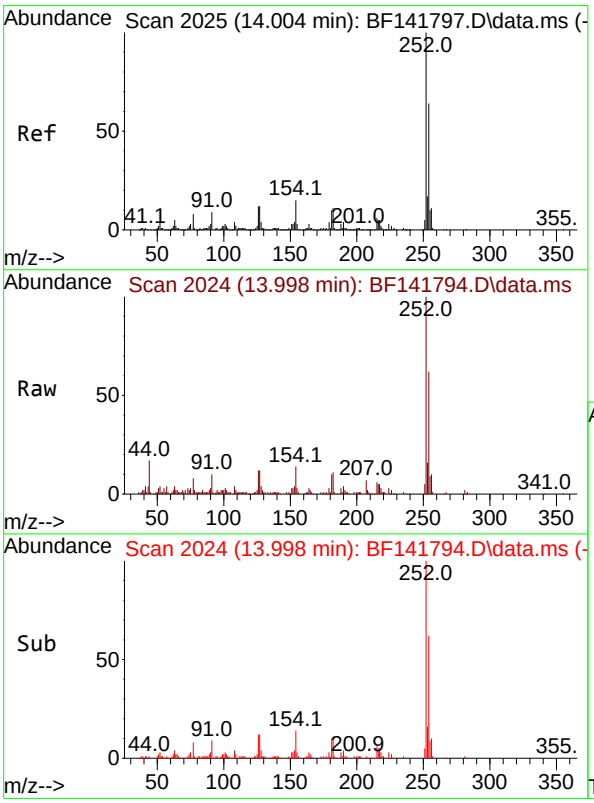
Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.1	33.1
229	19.3	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

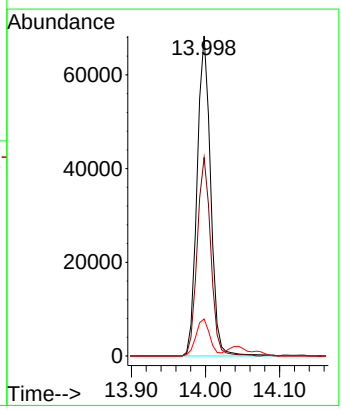
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

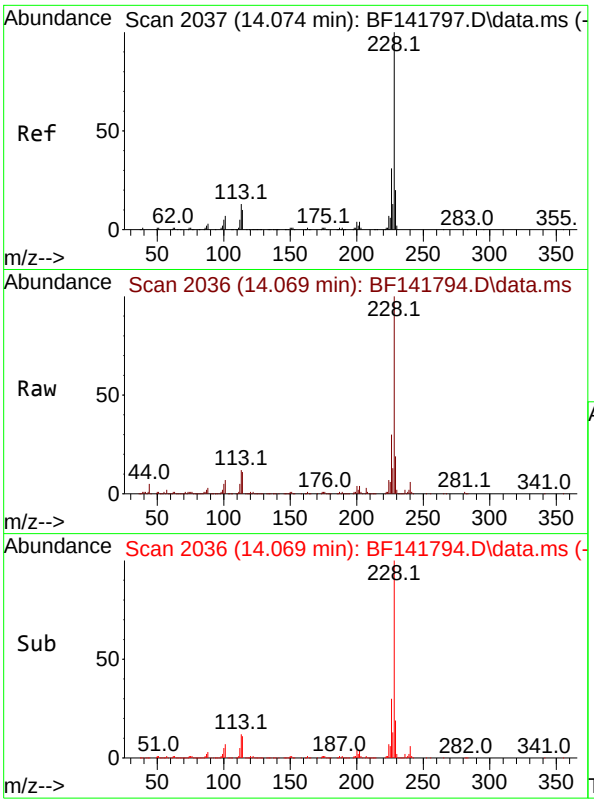


#82
3,3'-Dichlorobenzidine
Concen: 5.353 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:252 Resp: 86483

Ion	Ratio	Lower	Upper
252	100		
254	62.0	51.4	77.0
126	11.6	9.8	14.6

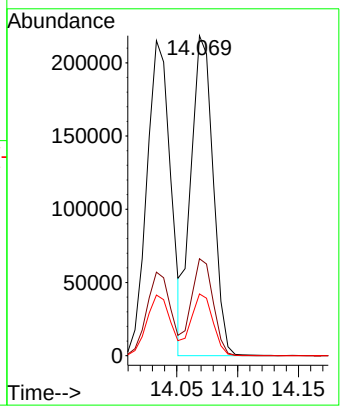




#83
Chrysene
Concen: 5.348 ng
RT: 14.069 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:228 Resp: 27763

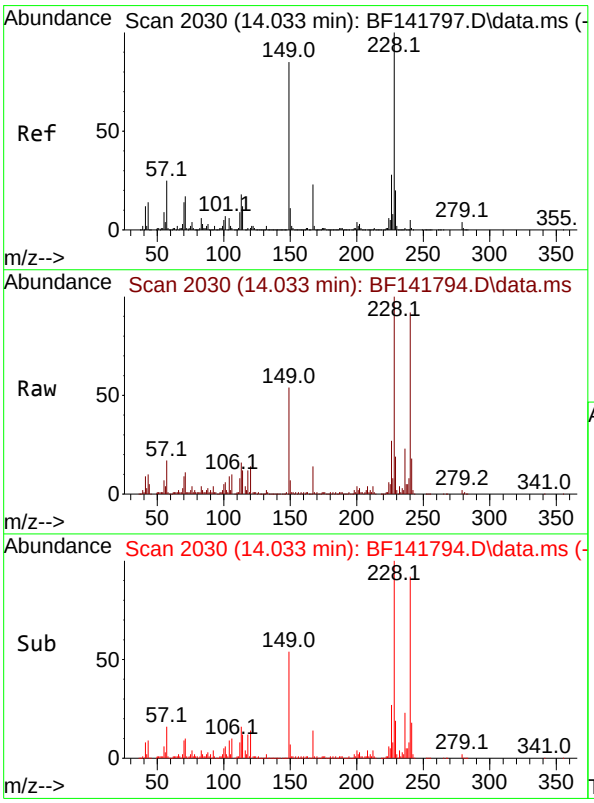
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	37.0
229	19.3	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

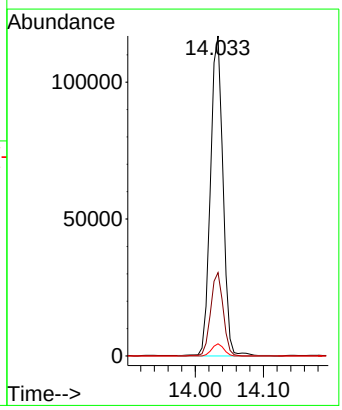
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

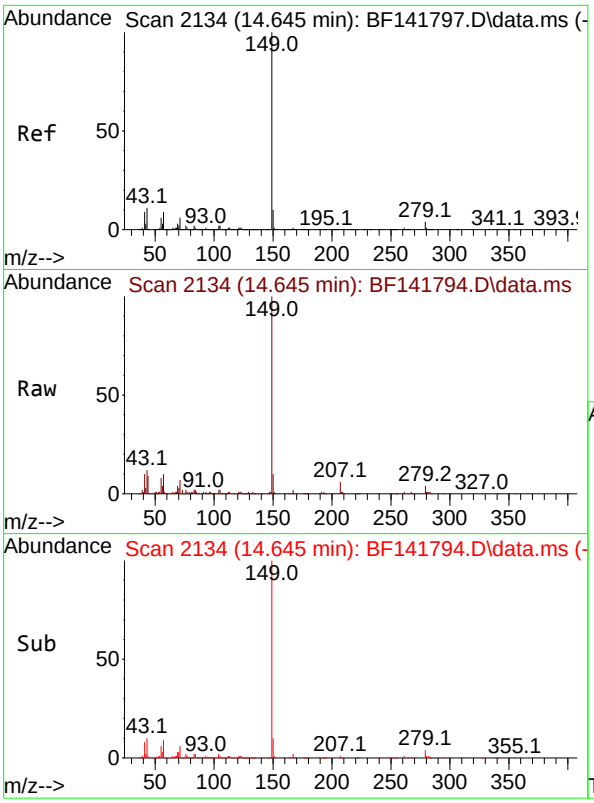


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.482 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:149 Resp: 149689

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.2	31.8
279	3.8	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 3.848 ng
RT: 14.645 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

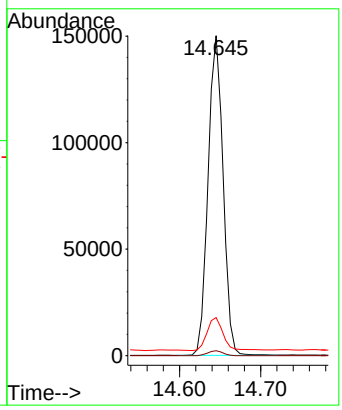
Tgt Ion:149 Resp: 19239

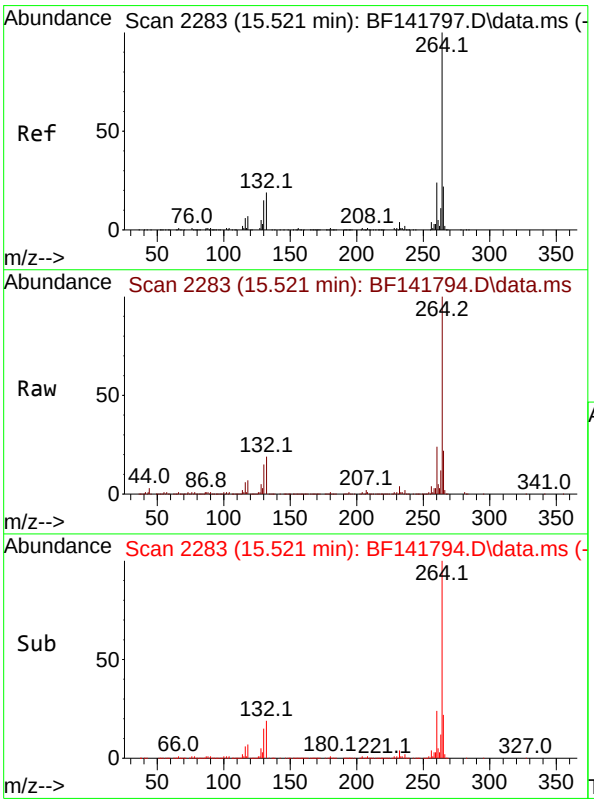
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.2	8.6	12.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

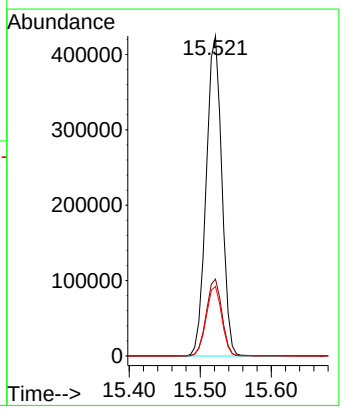


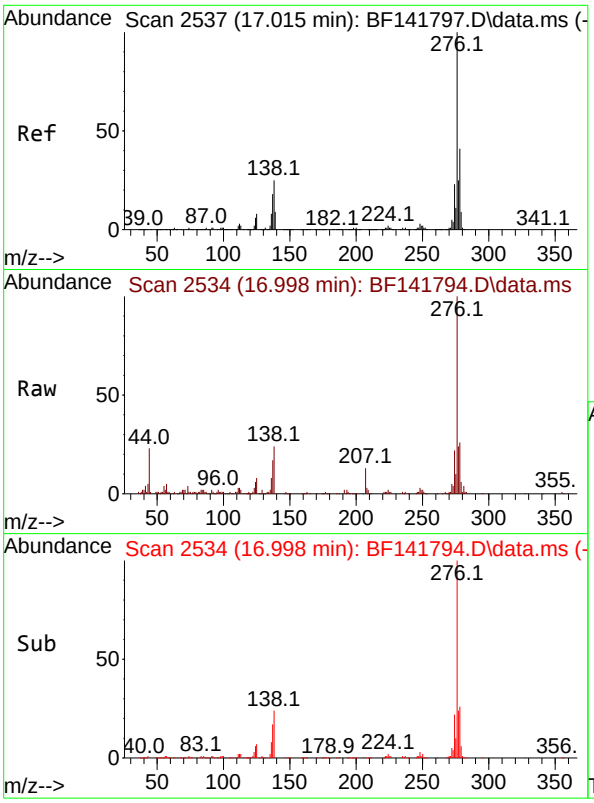


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:264 Resp: 648925

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	21.8	17.4	26.0

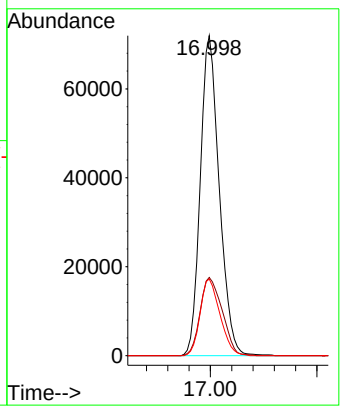




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.309 ng
RT: 16.998 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:276 Resp: 17803

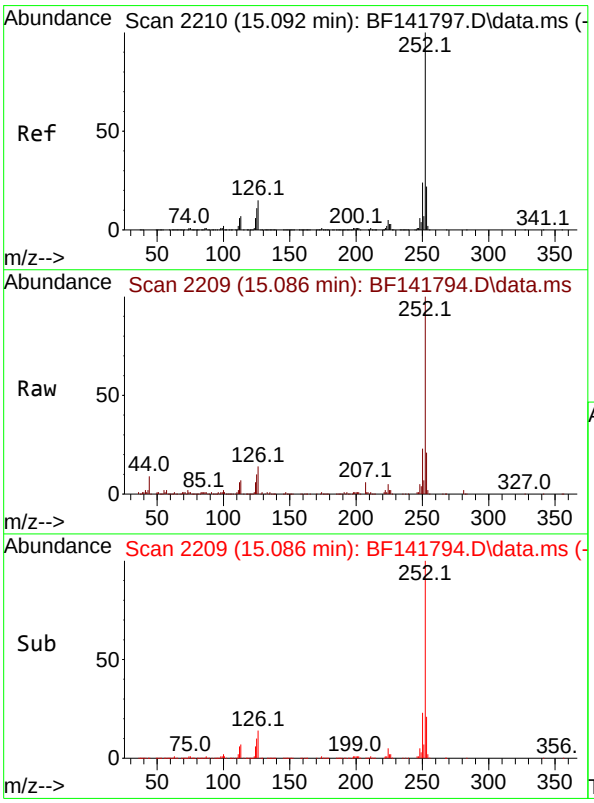
Ion	Ratio	Lower	Upper
276	100		
138	28.4	22.5	33.7
277	25.0	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

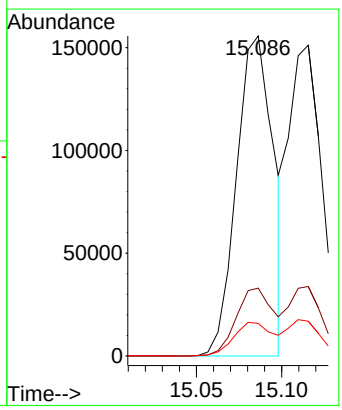
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

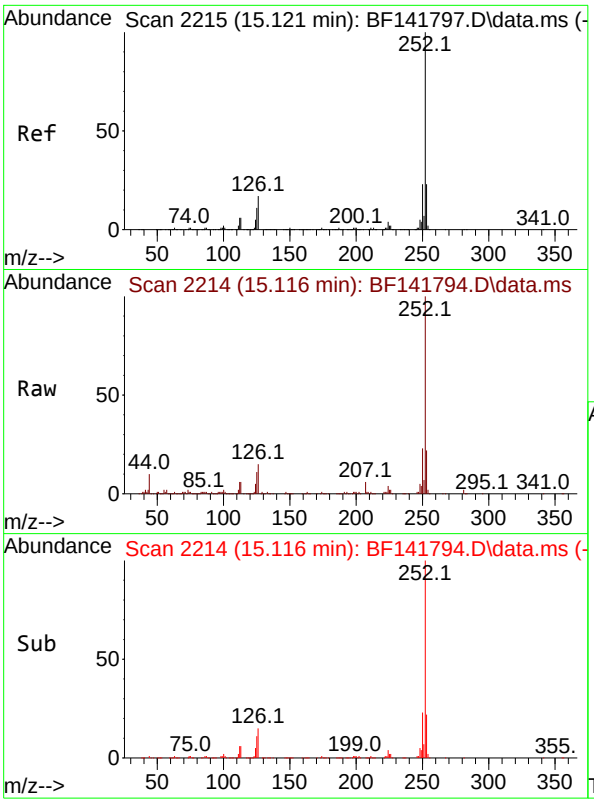


#88
Benzo(b)fluoranthene
Concen: 5.294 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:252 Resp: 233991

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.7	26.5
125	10.2	8.6	13.0

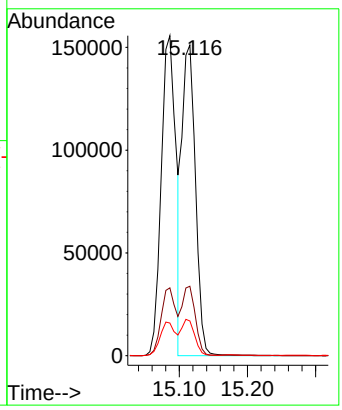




#89
Benzo(k)fluoranthene
Concen: 5.499 ng
RT: 15.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:252 Resp: 20661

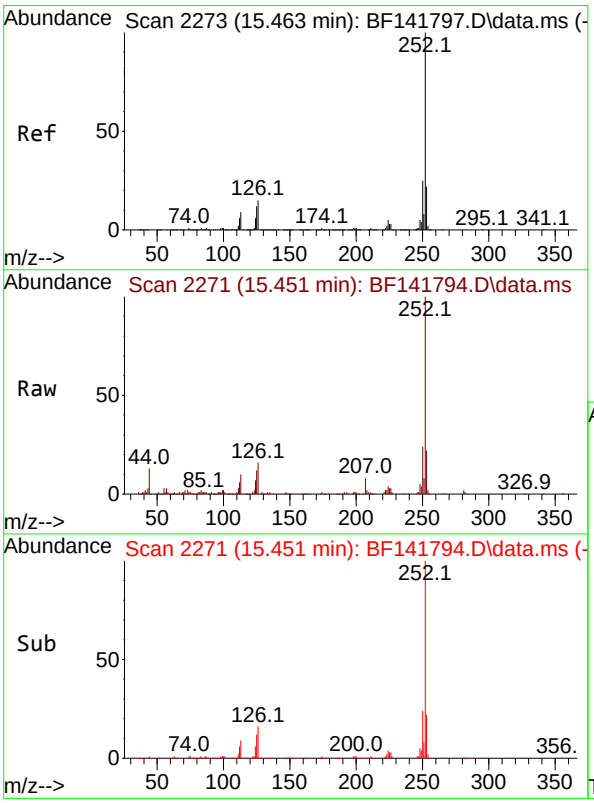
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.2	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

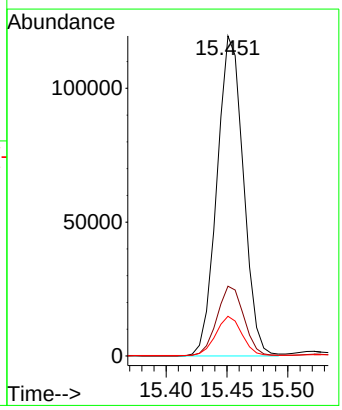
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

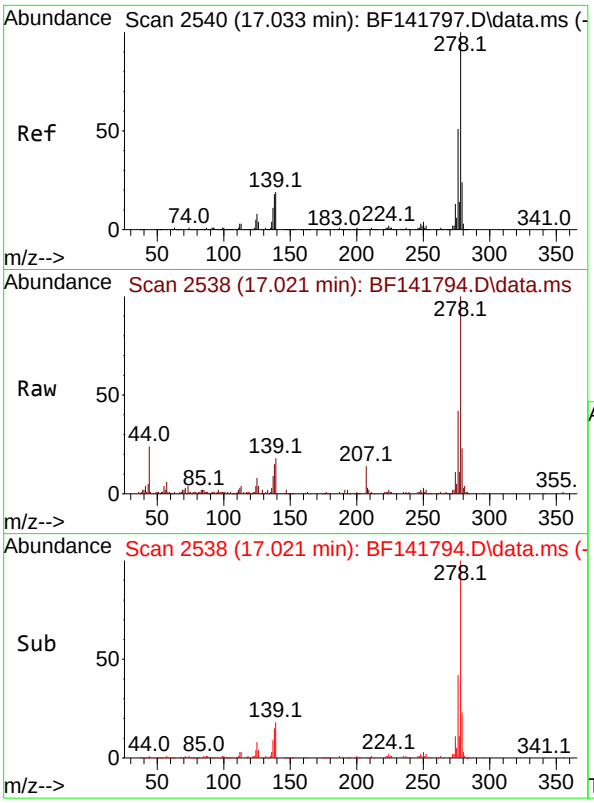


#90
Benzo(a)pyrene
Concen: 5.091 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:252 Resp: 180486

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	12.4	9.4	14.2

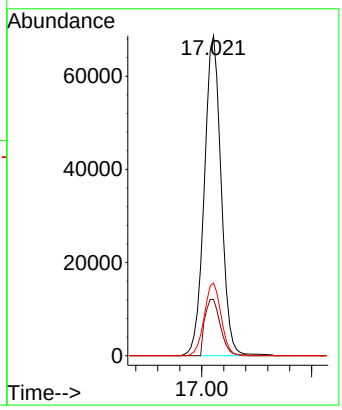




#91
Dibenzo(a,h)anthracene
Concen: 4.337 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:278 Resp: 14627

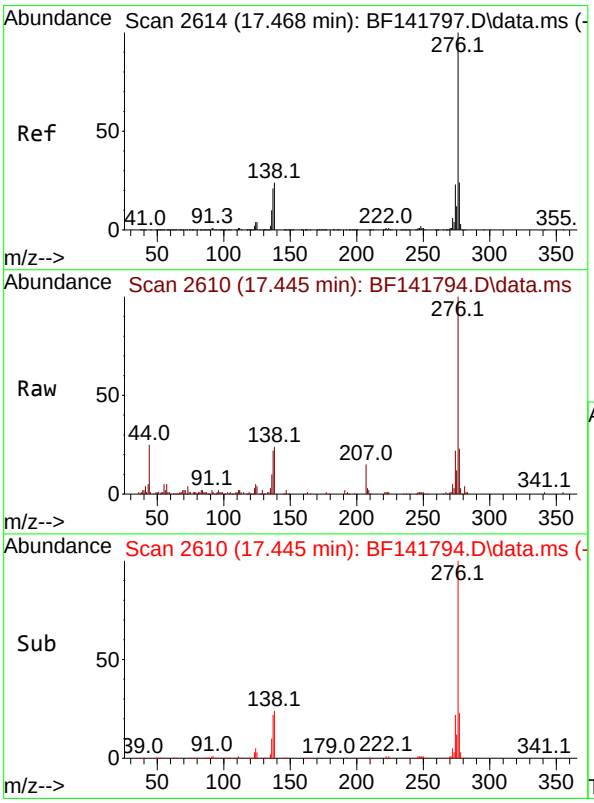
Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.9	22.3
279	22.7	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

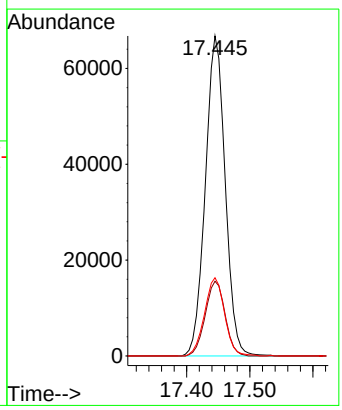
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#92
Benzo(g,h,i)perylene
Concen: 4.218 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.024 min
Lab File: BF141794.D
Acq: 27 Feb 2025 15:46

Tgt Ion:276 Resp: 145755

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.0
138	24.4	19.3	28.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141795.D
Acq On : 27 Feb 2025 16:16
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 28 01:24:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	289266	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	1173835	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	647904	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	1098842	20.000	ng		0.00
76) Chrysene-d12	14.045	240	800194	20.000	ng		0.00
86) Perylene-d12	15.521	264	586419	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.493	112	380350	20.998	ng		0.00
7) Phenol-d6	6.498	99	493731	20.942	ng		-0.01
23) Nitrobenzene-d5	7.445	82	318362	17.336	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	116043	19.078	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	898797	22.244	ng		0.00
79) Terphenyl-d14	12.992	244	986786	19.952	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	80189	9.757	ng		99
3) Pyridine	3.451	79	204276	9.989	ng		99
4) n-Nitrosodimethylamine	3.381	42	96264	9.784	ng	#	97
6) Aniline	6.545	93	249709	10.243	ng		99
8) 2-Chlorophenol	6.669	128	203282	10.375	ng		97
9) Benzaldehyde	6.434	77	157352	11.474	ng		99
10) Phenol	6.510	94	263599m	10.494	ng		
11) bis(2-Chloroethyl)ether	6.616	93	198994	10.362	ng		100
12) 1,3-Dichlorobenzene	6.828	146	219862	10.478	ng		98
13) 1,4-Dichlorobenzene	6.904	146	221703	10.486	ng		100
14) 1,2-Dichlorobenzene	7.057	146	208788	10.575	ng		99
15) Benzyl Alcohol	7.016	79	195649	10.384	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	302932	10.387	ng		99
17) 2-Methylphenol	7.122	107	163693	10.121	ng		98
18) Hexachloroethane	7.404	117	78340	9.899	ng		97
19) n-Nitroso-di-n-propyla...	7.287	70	159860	10.315	ng		97
20) 3+4-Methylphenols	7.275	107	218359	10.842	ng	#	90
22) Acetophenone	7.292	105	303217	10.606	ng	#	95
24) Nitrobenzene	7.463	77	178109	9.057	ng		97
25) Isophorone	7.698	82	400228	10.145	ng		99
26) 2-Nitrophenol	7.781	139	52703	9.980	ng		99
27) 2,4-Dimethylphenol	7.810	122	146519	10.103	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	262861	10.445	ng		98
29) 2,4-Dichlorophenol	8.016	162	169218	10.114	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	188296	10.271	ng		98
31) Naphthalene	8.192	128	643621	10.668	ng		98
32) Benzoic acid	7.875	122	58209	11.729	ng		98
33) 4-Chloroaniline	8.234	127	230342	10.413	ng		99
34) Hexachlorobutadiene	8.310	225	113140	9.931	ng		99
35) Caprolactam	8.569	113	50734	9.855	ng		100
36) 4-Chloro-3-methylphenol	8.698	107	185621	9.987	ng		99
37) 2-Methylnaphthalene	8.881	142	425720	10.758	ng		100
38) 1-Methylnaphthalene	8.981	142	404087	10.642	ng		98
40) 1,2,4,5-Tetrachloroben...	9.045	216	194342	10.386	ng		99
41) Hexachlorocyclopentadiene	9.033	237	74446	9.533	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	119234	9.864	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141795.D
Acq On : 27 Feb 2025 16:16
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:24:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	118017	9.860	ng		99
46) 1,1'-Biphenyl	9.345	154	537368	10.896	ng		98
47) 2-Chloronaphthalene	9.369	162	383444	10.535	ng		98
48) 2-Nitroaniline	9.457	65	60658	9.877	ng		96
49) Acenaphthylene	9.786	152	586066	10.739	ng		99
50) Dimethylphthalate	9.639	163	455190	10.491	ng		99
51) 2,6-Dinitrotoluene	9.698	165	59617	9.588	ng		98
52) Acenaphthene	9.957	154	389154	10.568	ng		99
53) 3-Nitroaniline	9.863	138	62569	9.606	ng	#	91
54) 2,4-Dinitrophenol	9.969	184	15803	10.881	ng	#	1
55) Dibenzofuran	10.128	168	581120	10.843	ng		97
56) 4-Nitrophenol	10.004	139	51406	8.022	ng		94
57) 2,4-Dinitrotoluene	10.098	165	64291	9.401	ng		97
58) Fluorene	10.469	166	442697	11.027	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	101729	9.772	ng		99
60) Diethylphthalate	10.339	149	457600	10.520	ng		98
61) 4-Chlorophenyl-phenyle...	10.463	204	215289	10.703	ng		98
62) 4-Nitroaniline	10.475	138	60552	8.172	ng		94
63) Azobenzene	10.622	77	486878	10.631	ng		98
65) 4,6-Dinitro-2-methylph...	10.504	198	23863	11.957	ng		98
66) n-Nitrosodiphenylamine	10.580	169	374119	10.369	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	130467	10.165	ng		99
68) Hexachlorobenzene	11.016	284	136626	10.081	ng		97
69) Atrazine	11.104	200	114276	11.517	ng		99
70) Pentachlorophenol	11.204	266	80231	9.334	ng		99
71) Phenanthrene	11.433	178	632699	10.764	ng		99
72) Anthracene	11.486	178	635314	10.785	ng		99
73) Carbazole	11.633	167	554900	10.667	ng		99
74) Di-n-butylphthalate	11.969	149	709254	10.756	ng		99
75) Fluoranthene	12.621	202	668370	11.098	ng		98
77) Benzidine	12.739	184	136857	13.588	ng		99
78) Pyrene	12.851	202	674877	9.740	ng		99
80) Butylbenzylphthalate	13.469	149	231474	9.194	ng		98
81) Benzo(a)anthracene	14.033	228	554778	10.496	ng		99
82) 3,3'-Dichlorobenzidine	13.998	252	152147	10.033	ng		99
83) Chrysene	14.074	228	473612	9.721	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	278482	8.884	ng		99
85) Di-n-octyl phthalate	14.645	149	368711	7.857	ng		100
87) Indeno(1,2,3-cd)pyrene	16.998	276	330014	8.838	ng		99
88) Benzo(b)fluoranthene	15.086	252	409420	10.250	ng		99
89) Benzo(k)fluoranthene	15.115	252	363518	10.707	ng		99
90) Benzo(a)pyrene	15.451	252	317564	9.913	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	272918	8.954	ng		98
92) Benzo(g,h,i)perylene	17.445	276	272428	8.724	ng		98

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

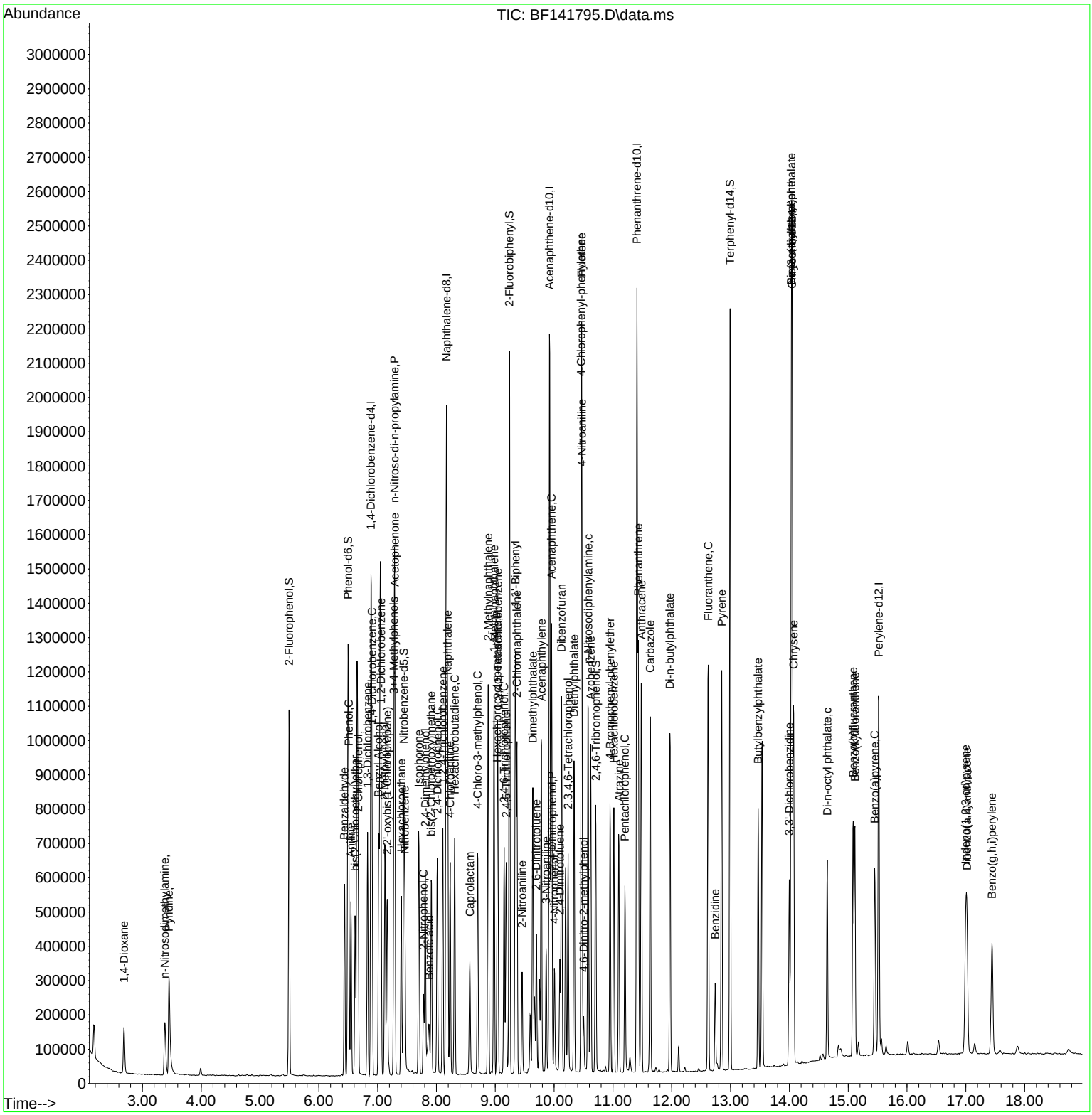
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141795.D
Acq On : 27 Feb 2025 16:16
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

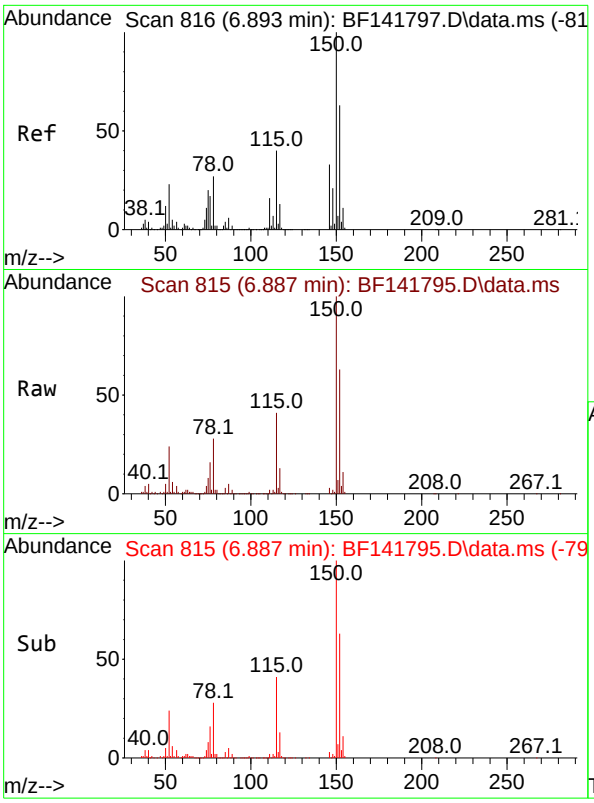
Quant Time: Feb 28 01:24:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

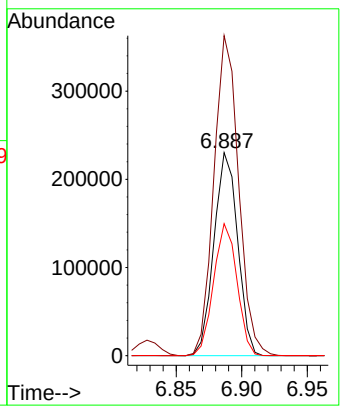




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:152 Resp: 28926

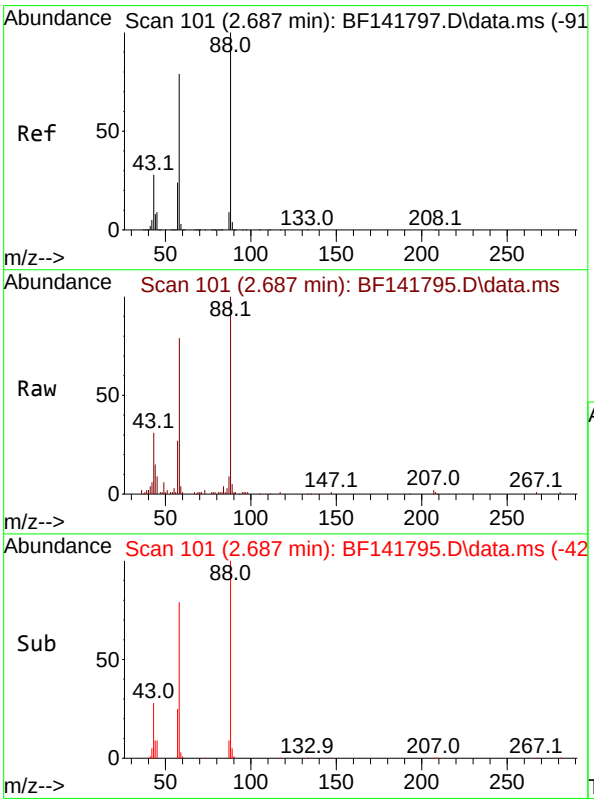
Ion	Ratio	Lower	Upper
152	100		
150	157.6	127.5	191.3
115	65.0	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

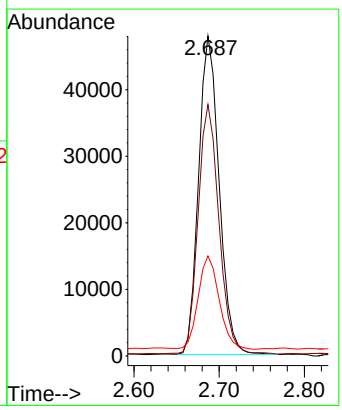
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

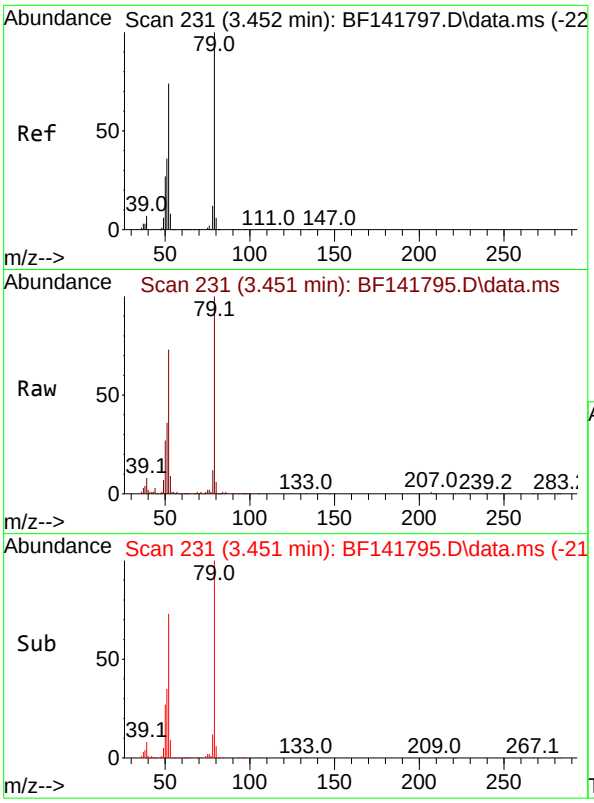


#2
1,4-Dioxane
Concen: 9.757 ng
RT: 2.687 min Scan# 101
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 88 Resp: 80189

Ion	Ratio	Lower	Upper
88	100		
58	79.3	63.9	95.9
43	30.0	23.0	34.6





#3
Pyridine
Concen: 9.989 ng
RT: 3.451 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

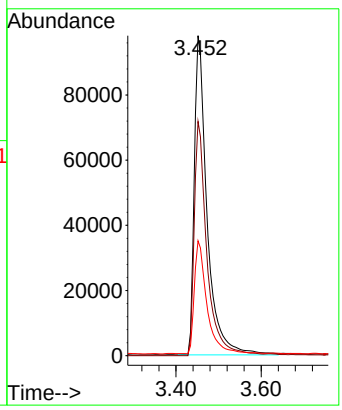
Tgt Ion: 79 Resp: 20427

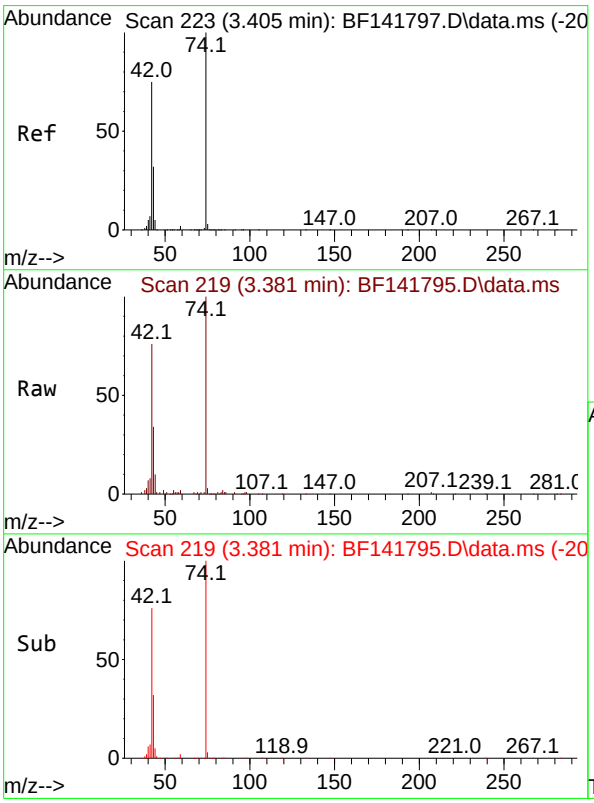
Ion	Ratio	Lower	Upper
79	100		
52	73.2	59.0	88.4
51	35.9	29.0	43.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

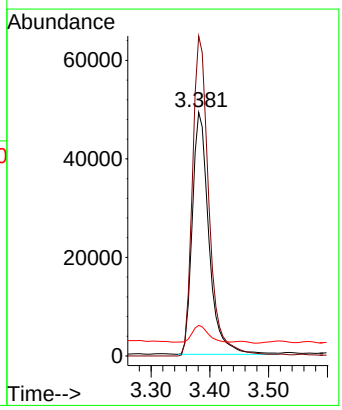


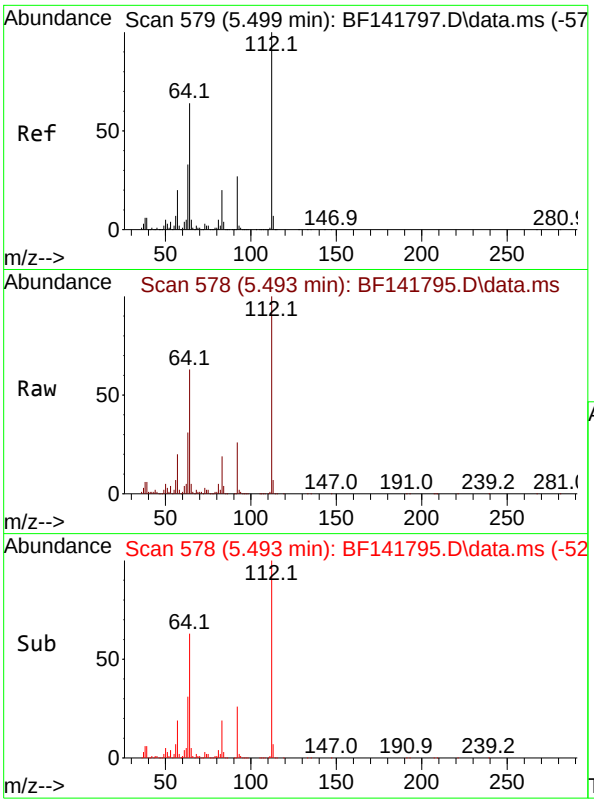


#4
n-Nitrosodimethylamine
Concen: 9.784 ng
RT: 3.381 min Scan# 219
Delta R.T. -0.024 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 42 Resp: 96264

Ion	Ratio	Lower	Upper
42	100		
74	131.3	107.1	160.7
44	12.5	6.6	9.8#

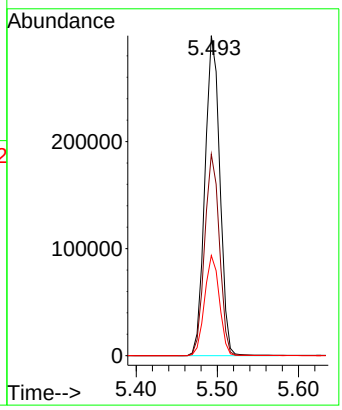




#5
2-Fluorophenol
Concen: 20.998 ng
RT: 5.493 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:112 Resp: 38035

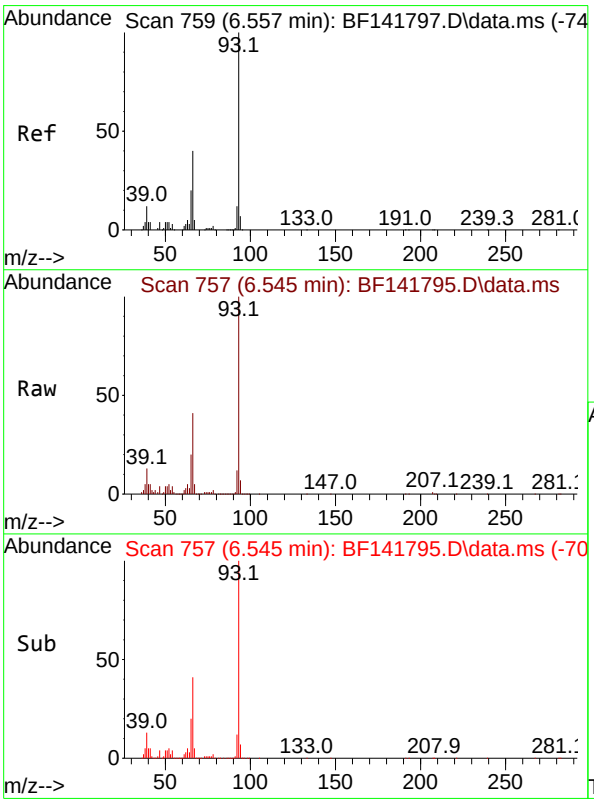
Ion	Ratio	Lower	Upper
112	100		
64	63.0	51.3	76.9
63	31.3	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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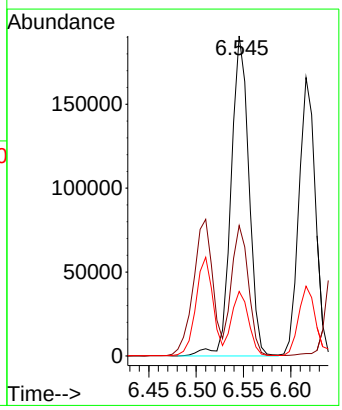
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

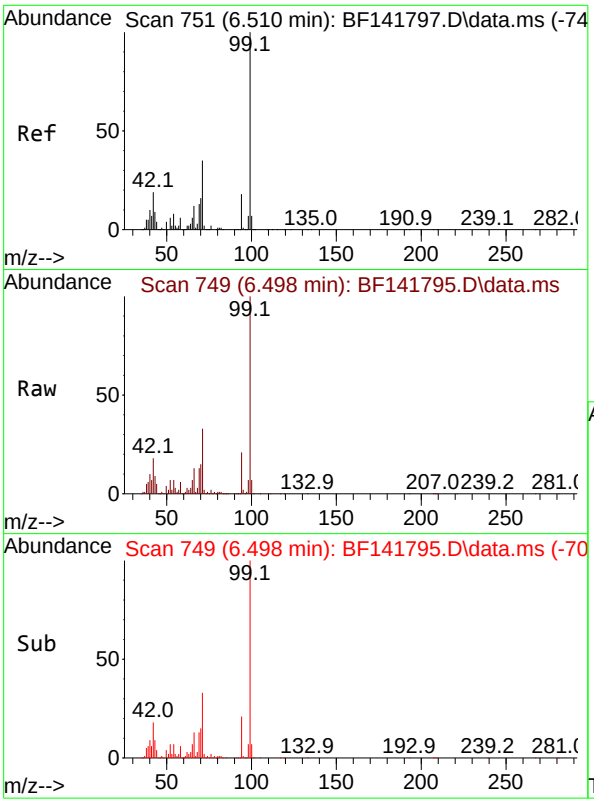


#6
Aniline
Concen: 10.243 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 93 Resp: 249709

Ion	Ratio	Lower	Upper
93	100		
66	40.8	32.3	48.5
65	20.2	15.9	23.9

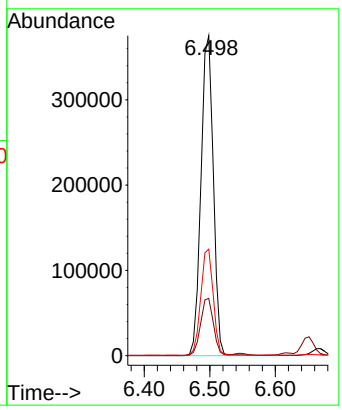




#7
Phenol-d6
Concen: 20.942 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 99 Resp: 49373

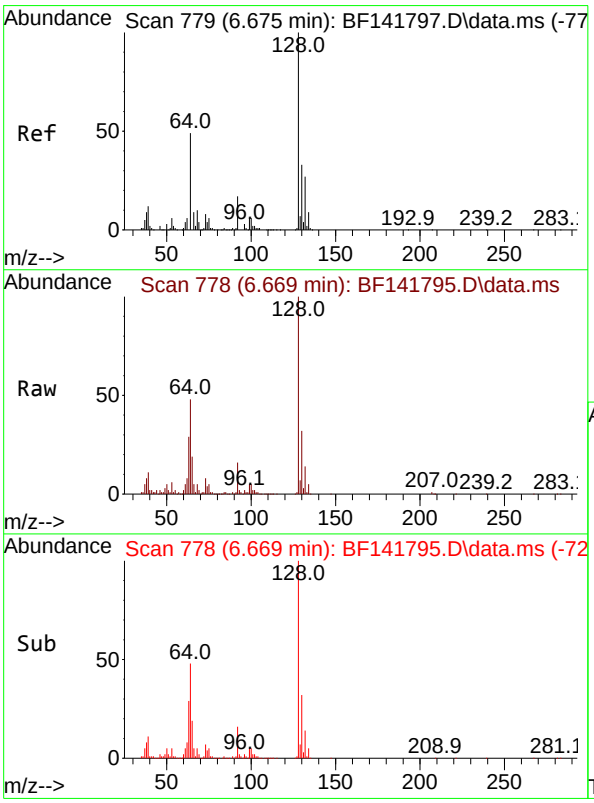
Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.2	22.8
71	33.3	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

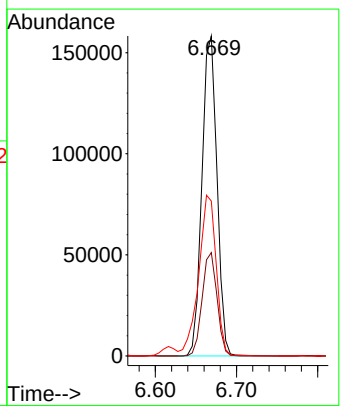
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

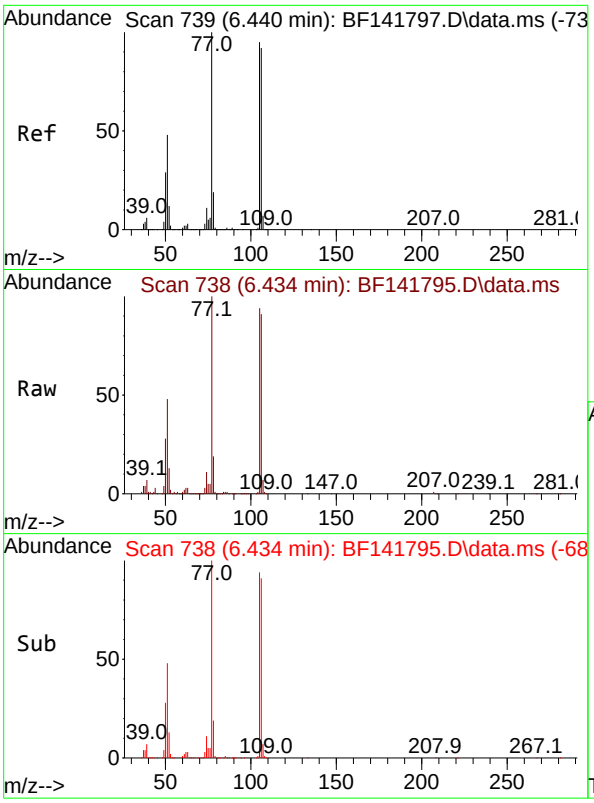


#8
2-Chlorophenol
Concen: 10.375 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:128 Resp: 203282

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.6	52.6
64	48.4	31.1	71.1

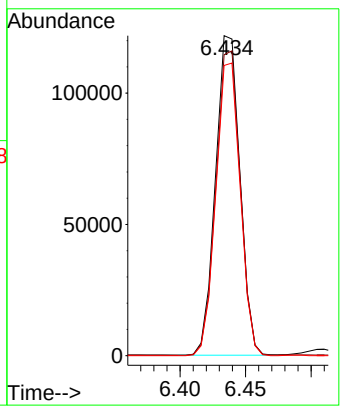




#9
Benzaldehyde
Concen: 11.474 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 77 Resp: 15735

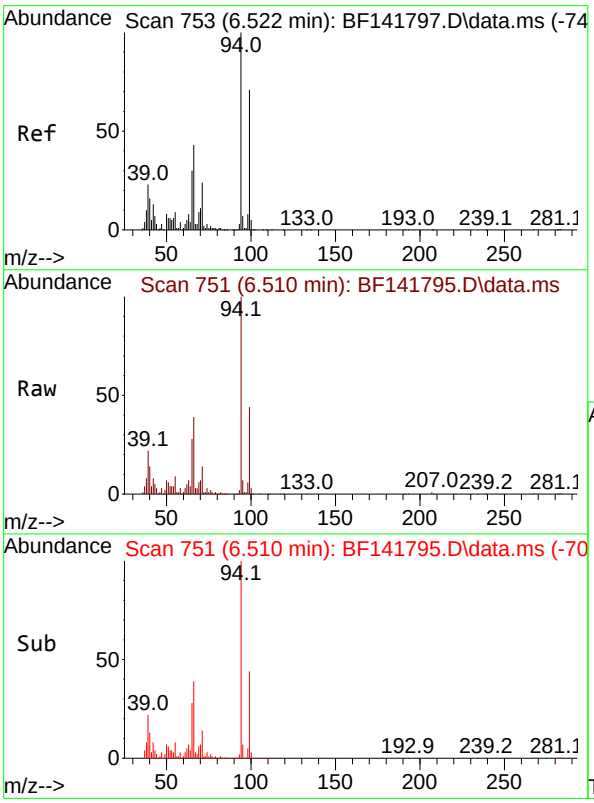
Ion	Ratio	Lower	Upper
77	100		
105	94.0	75.3	115.3
106	90.7	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

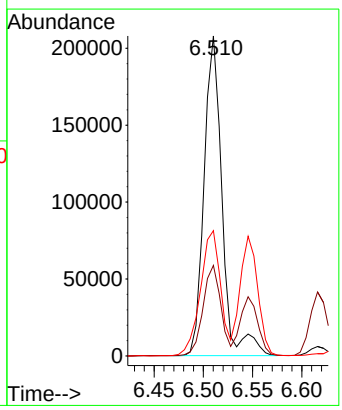
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

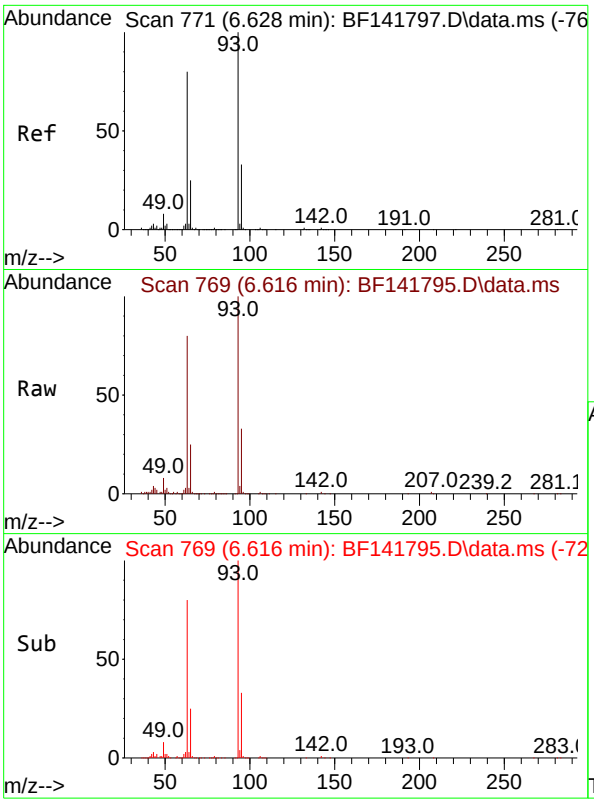


#10
Phenol
Concen: 10.494 ng m
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 94 Resp: 263599

Ion	Ratio	Lower	Upper
94	100		
65	28.3	10.2	50.2
66	39.2	23.2	63.2

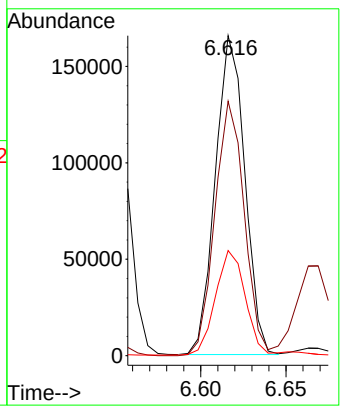




#11
bis(2-Chloroethyl)ether
Concen: 10.362 ng
RT: 6.616 min Scan# 7(
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 93 Resp: 19899(

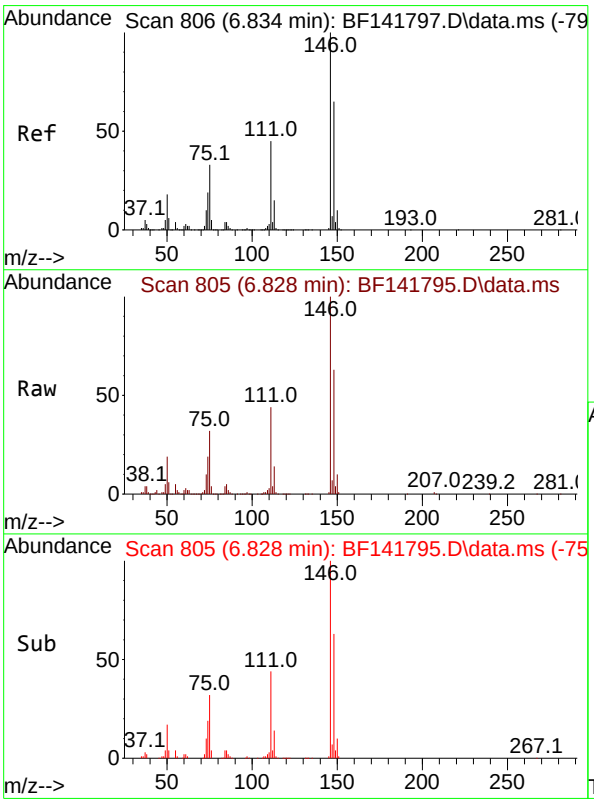
Ion	Ratio	Lower	Upper
93	100		
63	79.5	59.3	99.3
95	32.8	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

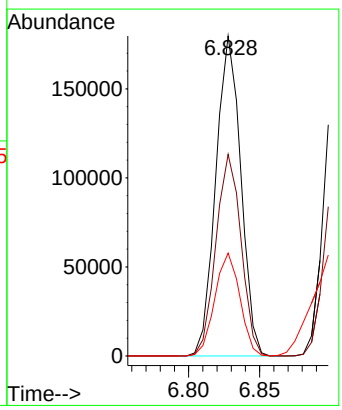
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

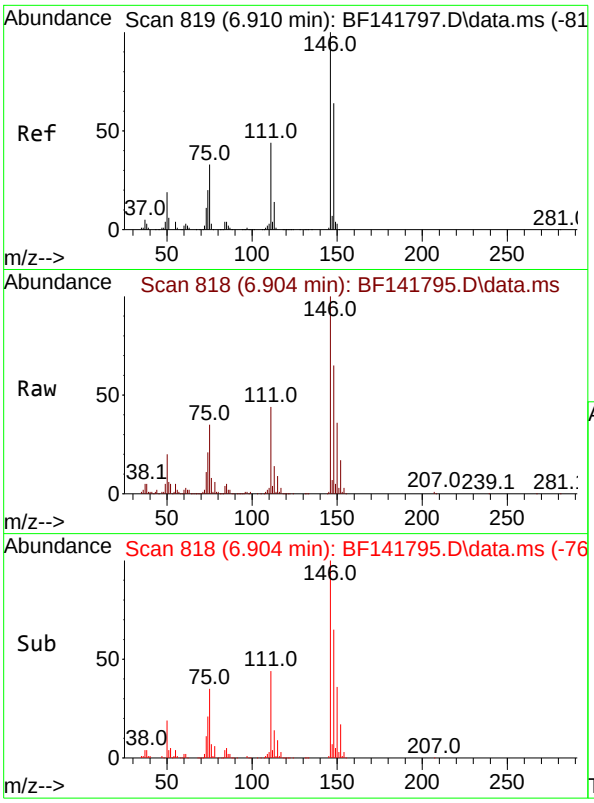


#12
1,3-Dichlorobenzene
Concen: 10.478 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:146 Resp: 219862

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.8	77.6
75	32.2	26.2	39.4

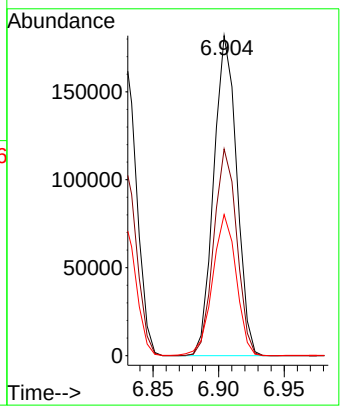




#13
1,4-Dichlorobenzene
Concen: 10.486 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:146 Resp: 22170

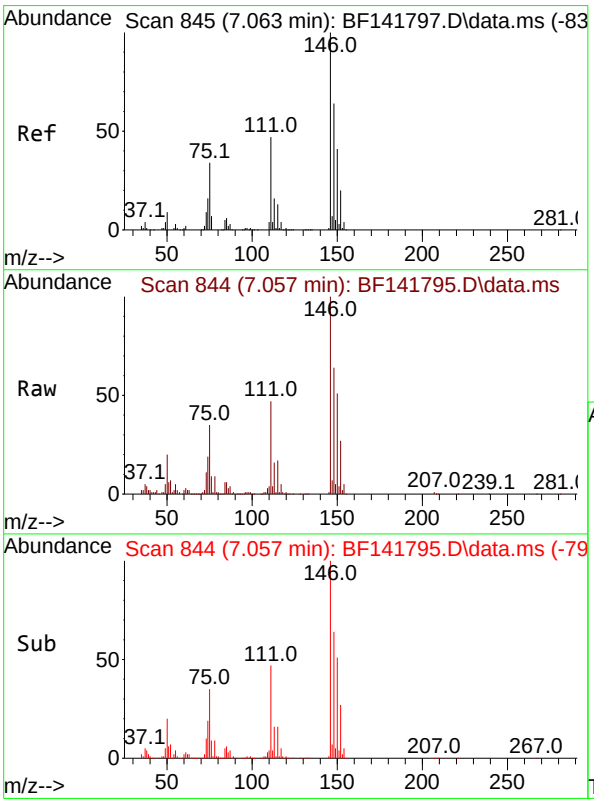
Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.4	77.2
111	44.1	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

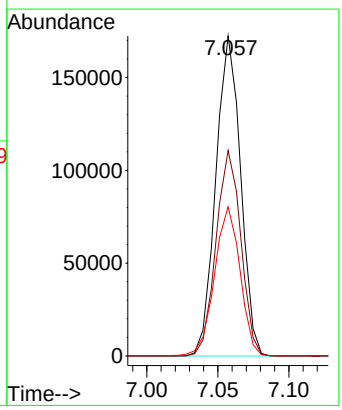
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

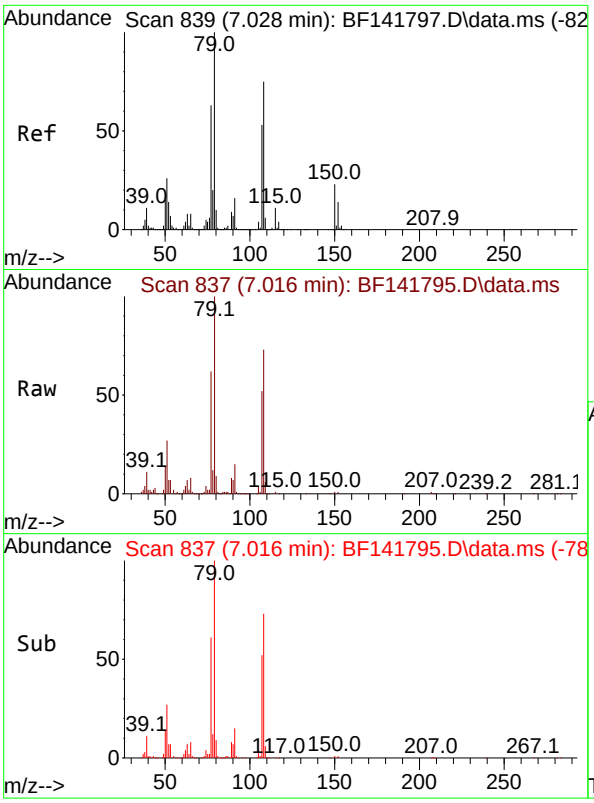


#14
1,2-Dichlorobenzene
Concen: 10.575 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:146 Resp: 208788

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.2	76.8
111	46.6	37.8	56.6





#15
Benzyl Alcohol
Concen: 10.384 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

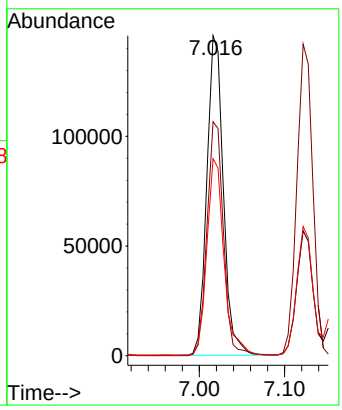
Tgt Ion: 79 Resp: 19564

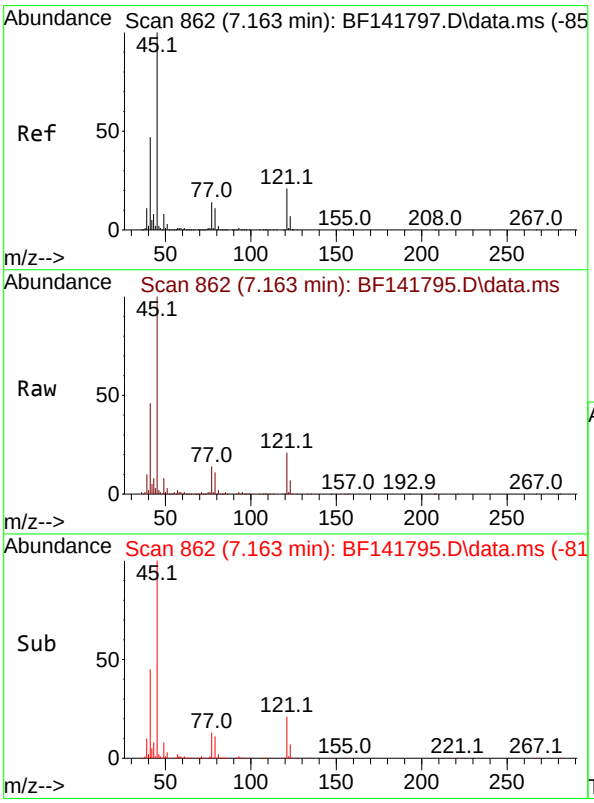
Ion	Ratio	Lower	Upper
79	100		
108	73.1	60.2	90.2
77	61.6	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

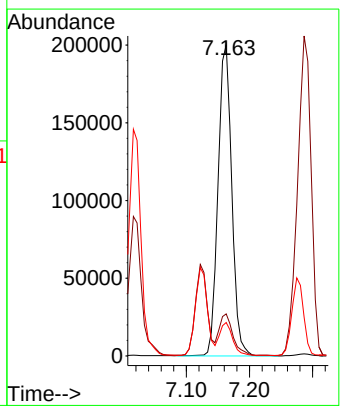


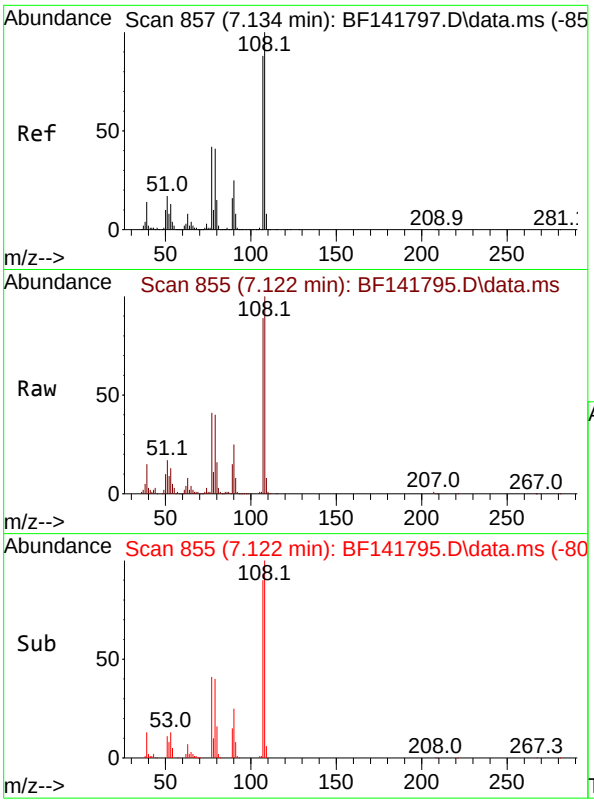


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.387 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 45 Resp: 302932

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	34.4
79	10.7	0.0	30.9

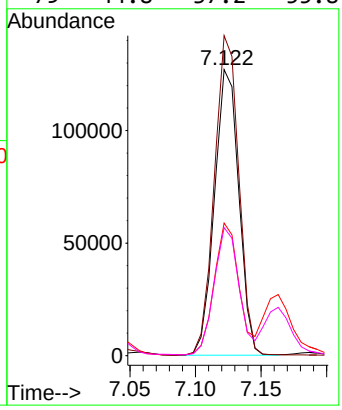




#17
2-Methylphenol
Concen: 10.121 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:107 Resp: 16369

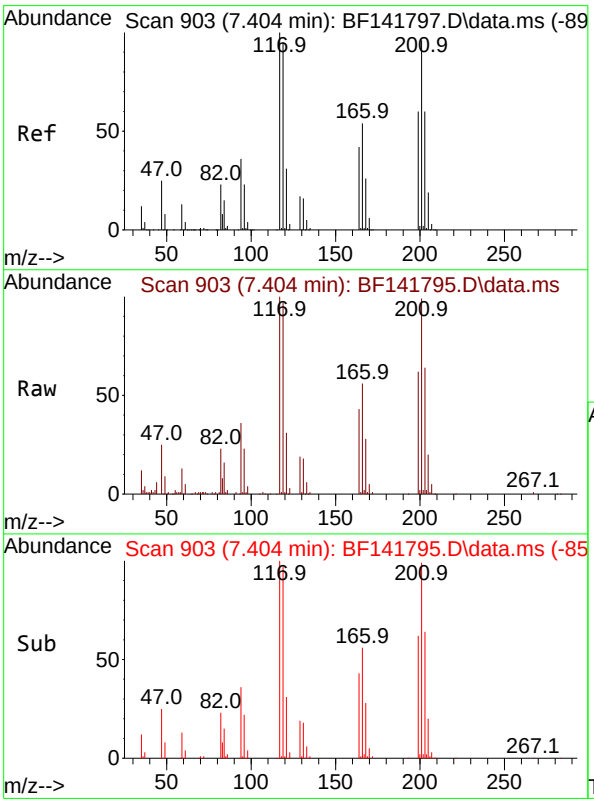
Ion	Ratio	Lower	Upper
107	100		
108	111.8	90.6	135.8
77	46.3	37.7	56.5
79	44.8	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

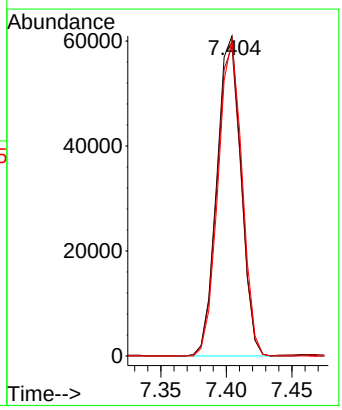
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

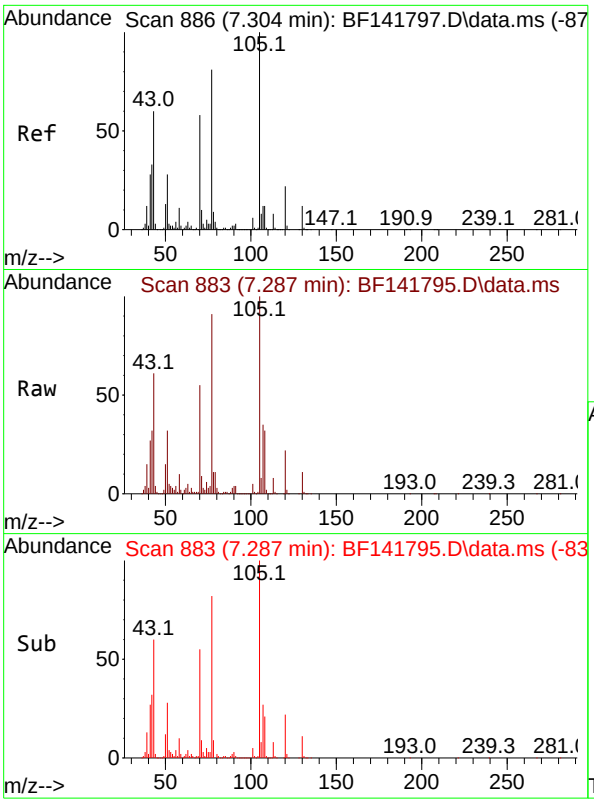


#18
Hexachloroethane
Concen: 9.899 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:117 Resp: 78340

Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.8	113.8
201	99.1	76.7	115.1

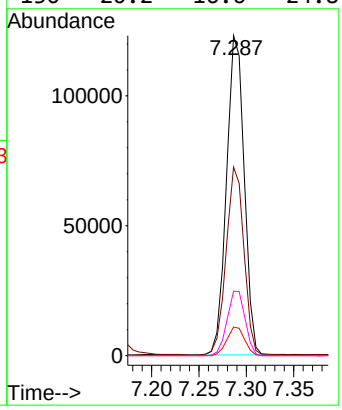




#19
n-Nitroso-di-n-propylamine
Concen: 10.315 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 70 Resp: 15986

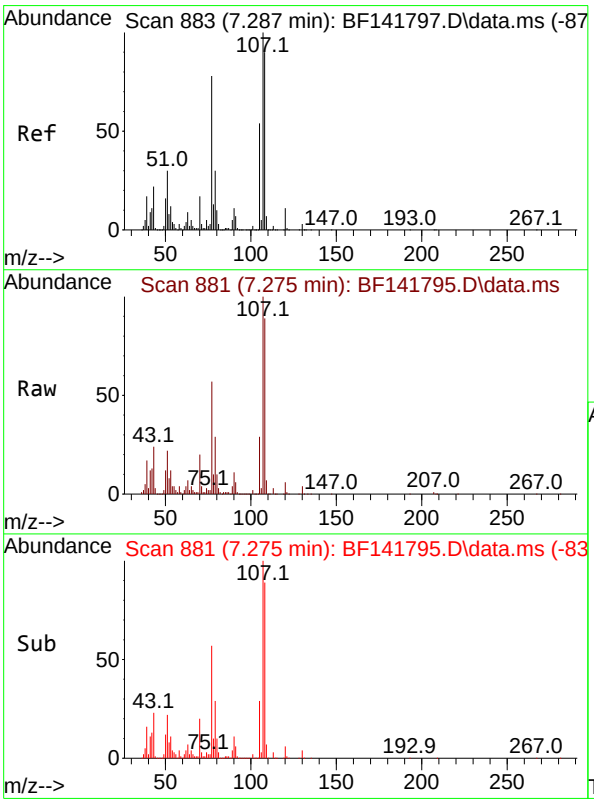
Ion	Ratio	Lower	Upper
70	100		
42	58.9	45.4	68.0
101	8.9	7.8	11.8
130	20.2	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

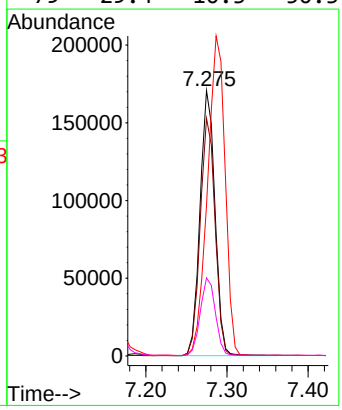
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

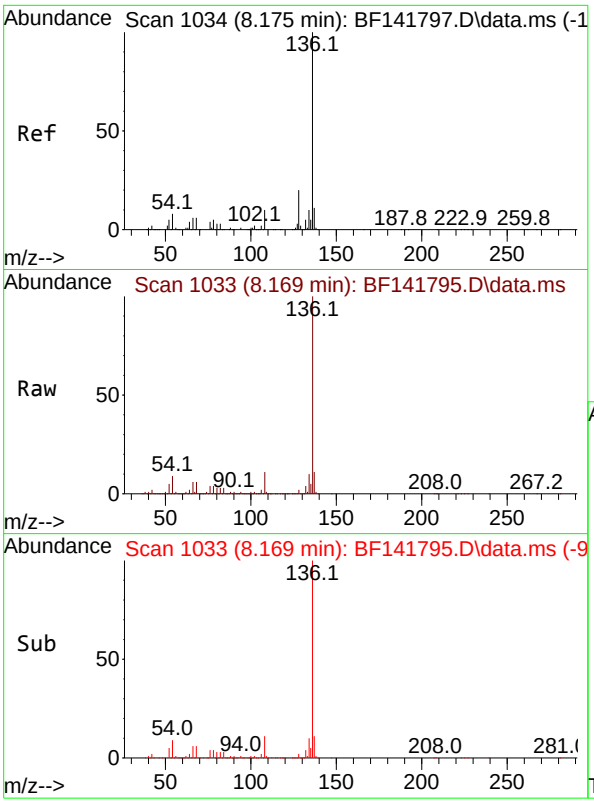


#20
3+4-Methylphenols
Concen: 10.842 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:107 Resp: 218359

Ion	Ratio	Lower	Upper
107	100		
108	89.5	69.7	109.7
77	56.7	58.3	98.3#
79	29.4	10.3	50.3

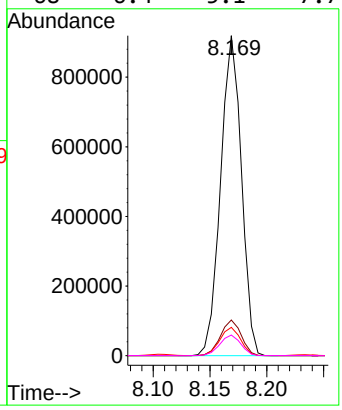




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:136 Resp: 117383

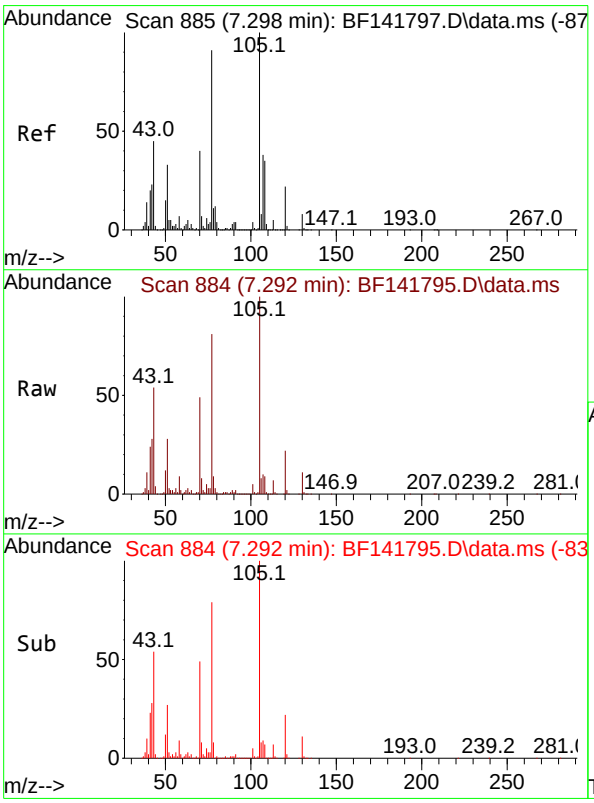
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	6.9	10.3
68	6.4	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

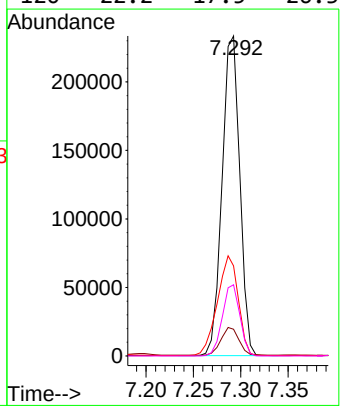
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

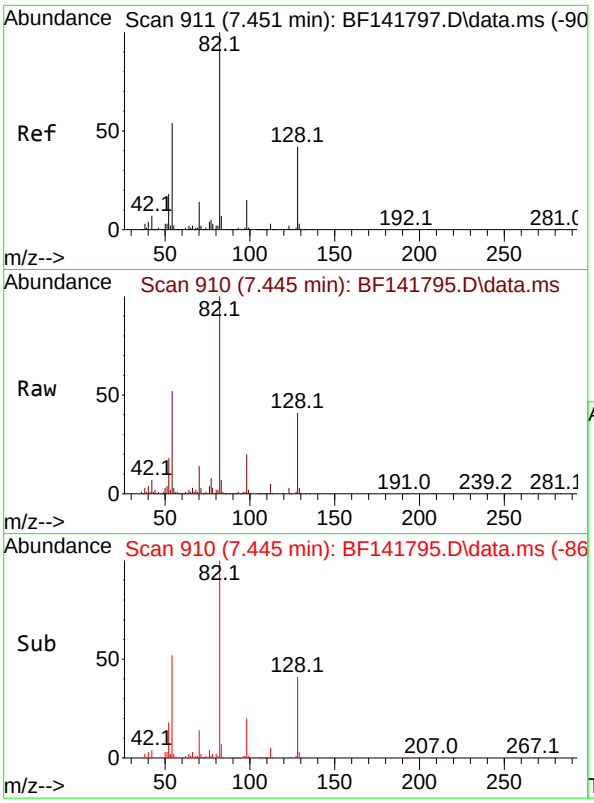


#22
Acetophenone
Concen: 10.606 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:105 Resp: 303217

Ion	Ratio	Lower	Upper
105	100		
71	8.4	5.4	8.0#
51	28.2	26.1	39.1
120	22.2	17.5	26.3





#23
Nitrobenzene-d5
Concen: 17.336 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

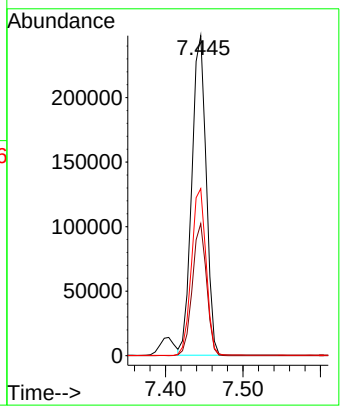
Tgt Ion: 82 Resp: 31836

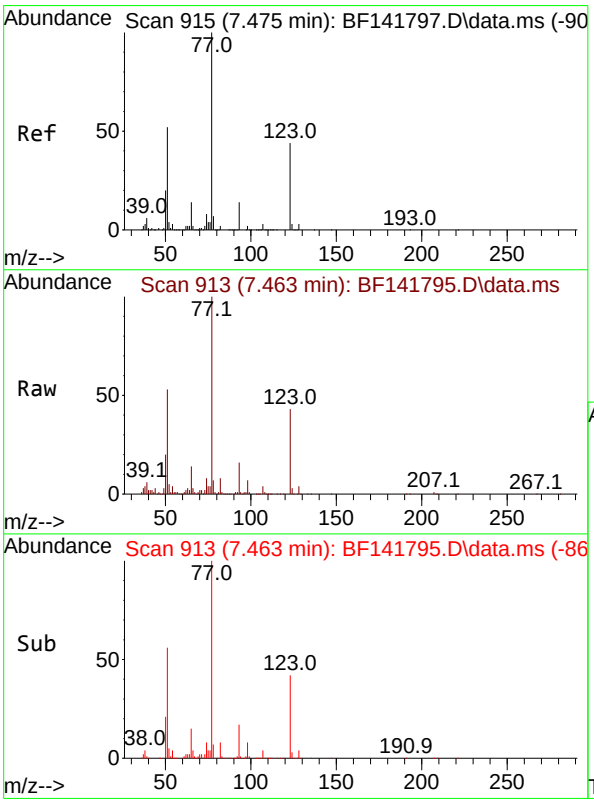
Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.5	50.3
54	52.2	42.7	64.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

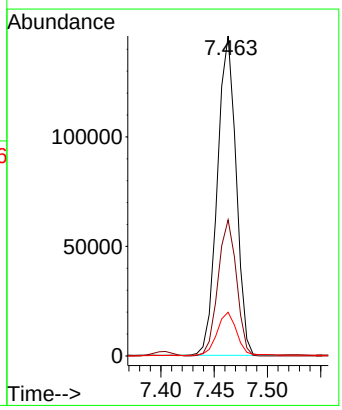


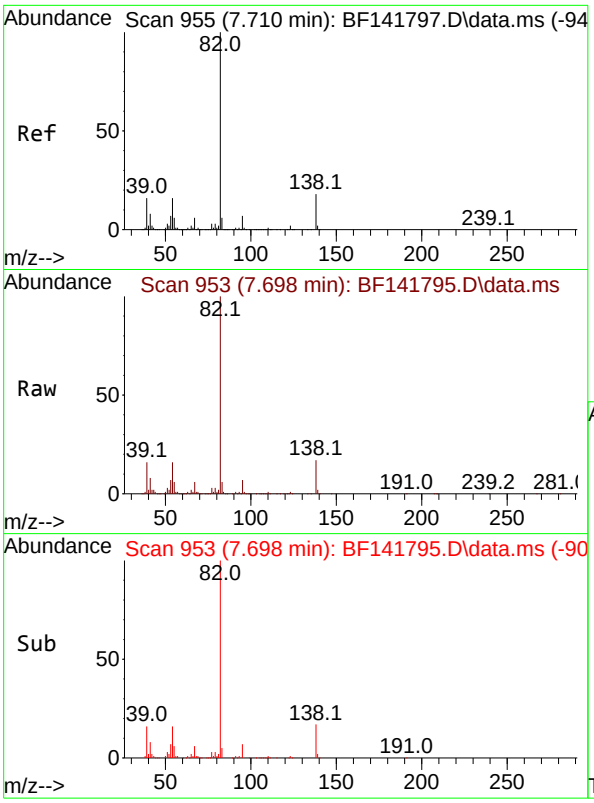


#24
Nitrobenzene
Concen: 9.057 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 77 Resp: 178109

Ion	Ratio	Lower	Upper
77	100		
123	42.6	35.8	53.8
65	13.7	11.2	16.8





#25
Isophorone
Concen: 10.145 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

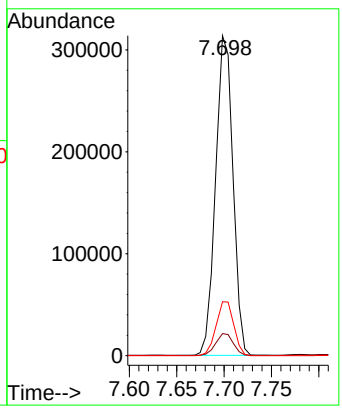
Tgt Ion: 82 Resp: 40022

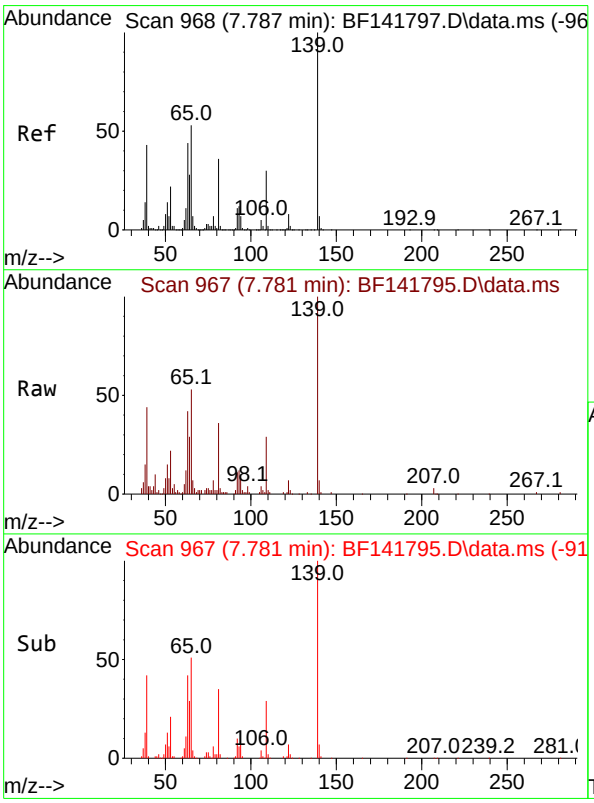
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.8
138	16.9	14.0	21.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

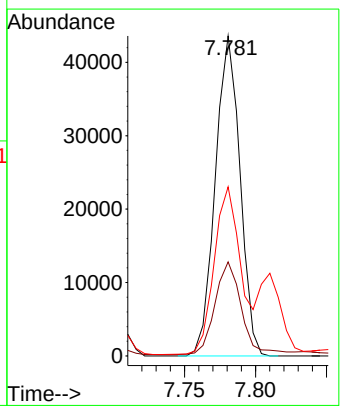


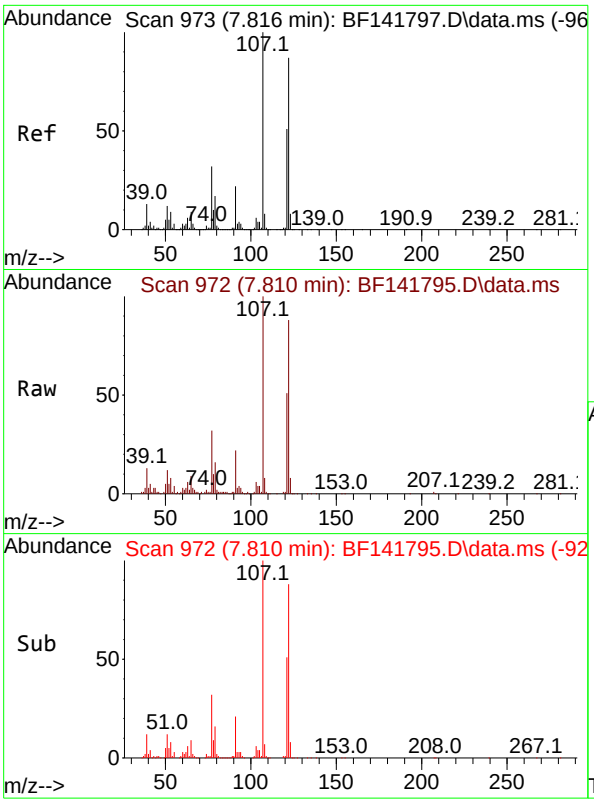


#26
2-Nitrophenol
Concen: 9.980 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:139 Resp: 52703

Ion	Ratio	Lower	Upper
139	100		
109	29.4	24.1	36.1
65	52.9	42.3	63.5

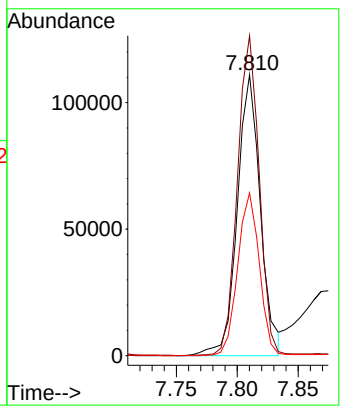




#27
2,4-Dimethylphenol
Concen: 10.103 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:122 Resp: 14651

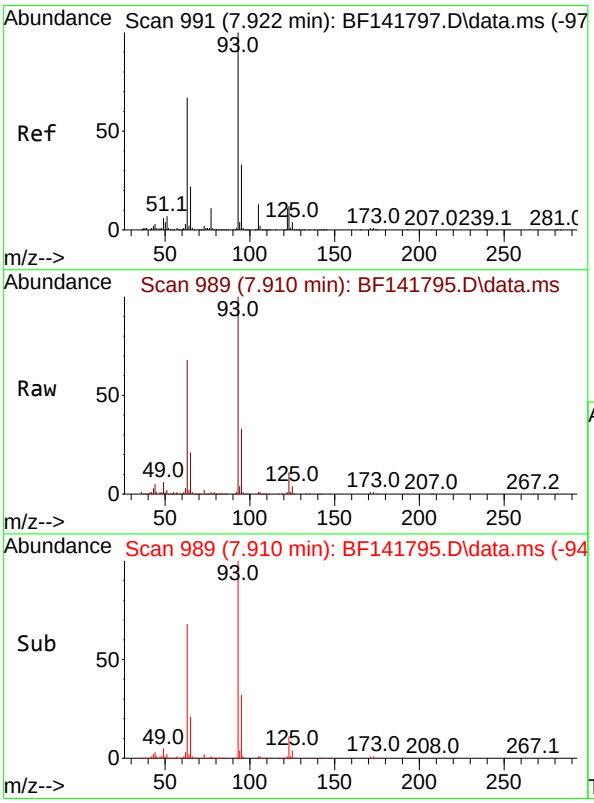
Ion	Ratio	Lower	Upper
122	100		
107	113.9	92.5	138.7
121	57.9	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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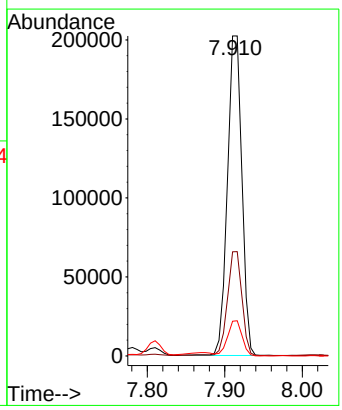
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

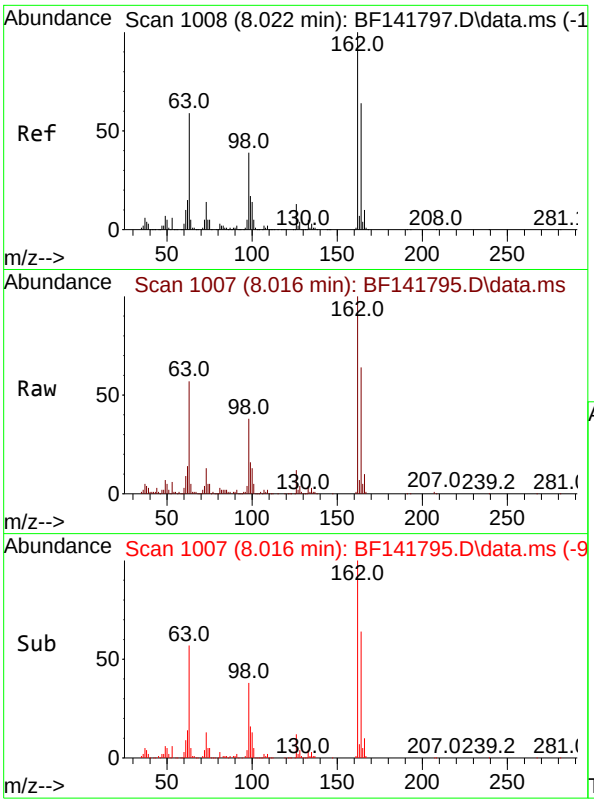


#28
bis(2-Chloroethoxy)methane
Concen: 10.445 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 93 Resp: 262861

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.5	39.7
123	10.8	10.0	15.0





#29
2,4-Dichlorophenol
Concen: 10.114 ng
RT: 8.016 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

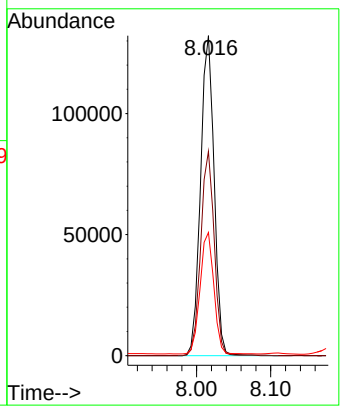
Tgt Ion:162 Resp: 16921(

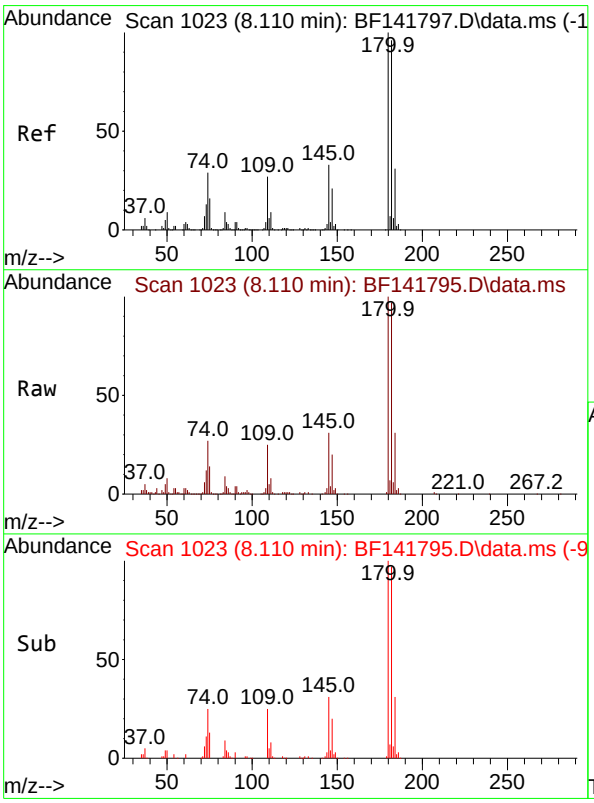
Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.3	84.3
98	38.5	19.6	59.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

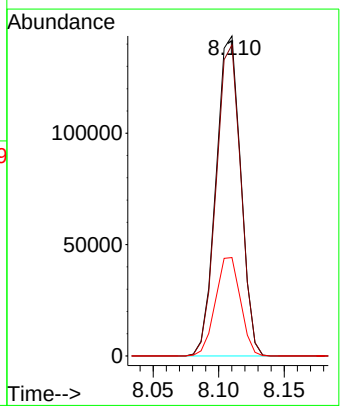


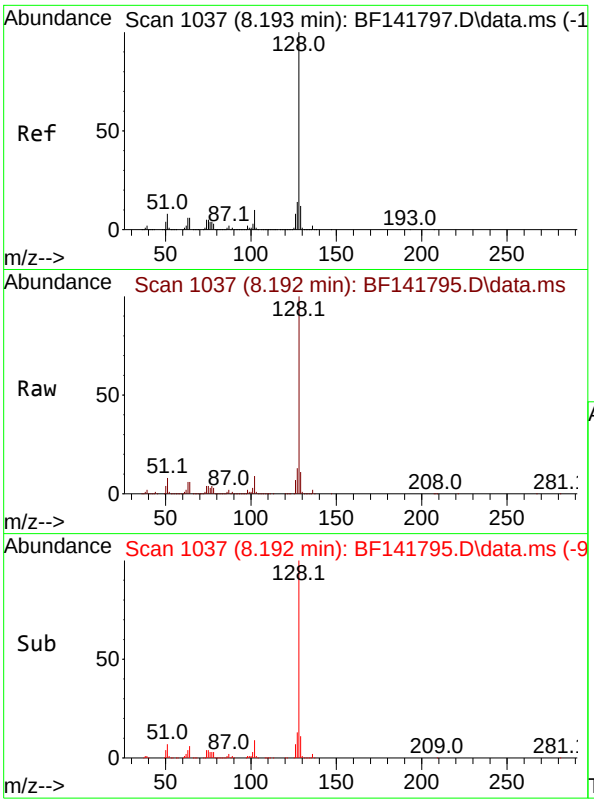


#30
1,2,4-Trichlorobenzene
Concen: 10.271 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:180 Resp: 188296

Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.8	115.2
145	30.8	26.4	39.6

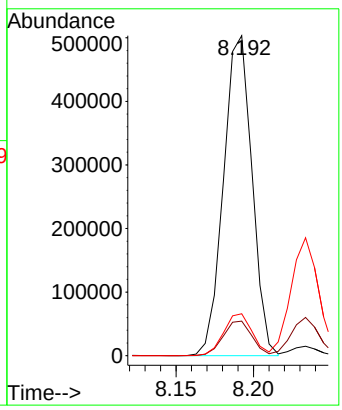




#31
Naphthalene
Concen: 10.668 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:128 Resp: 64362

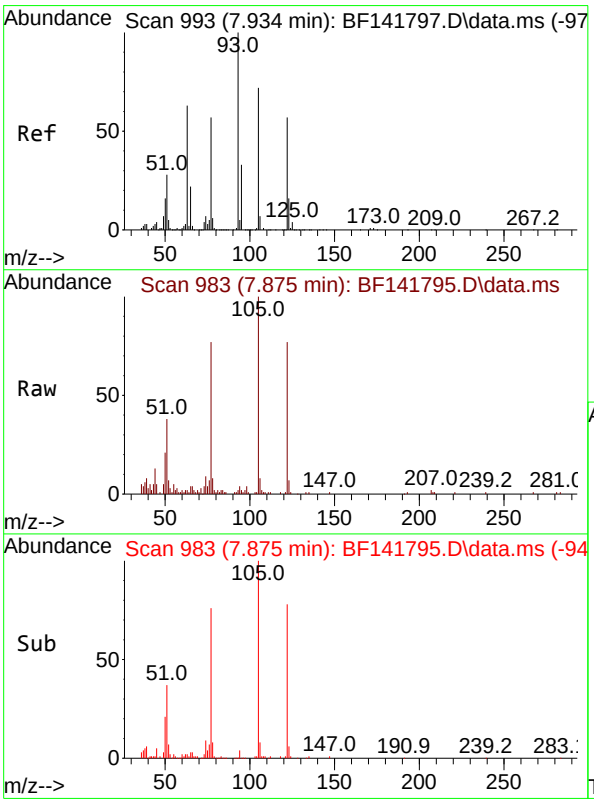
Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.2	13.8
127	13.1	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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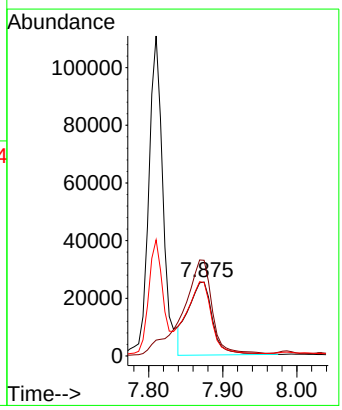
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

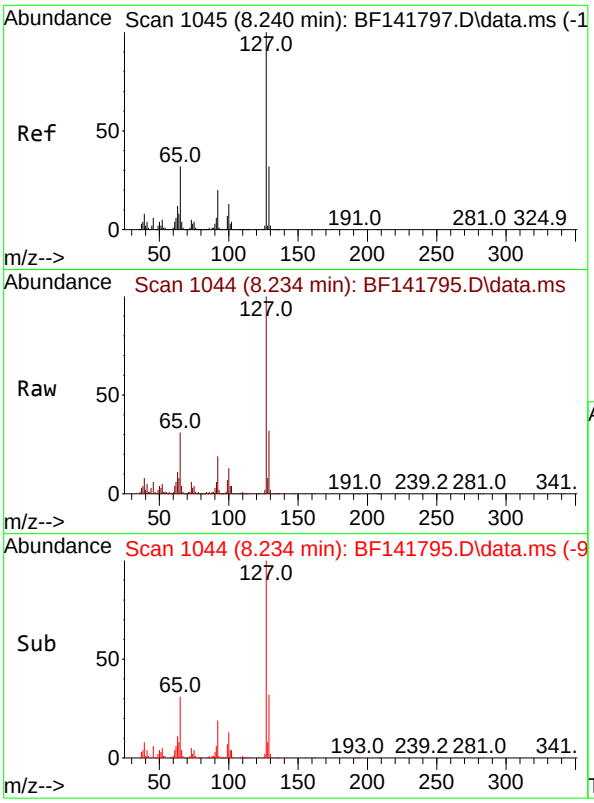


#32
Benzoic acid
Concen: 11.729 ng
RT: 7.875 min Scan# 983
Delta R.T. -0.059 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:122 Resp: 58209

Ion	Ratio	Lower	Upper
122	100		
105	129.5	105.8	145.8
77	99.2	79.9	119.9

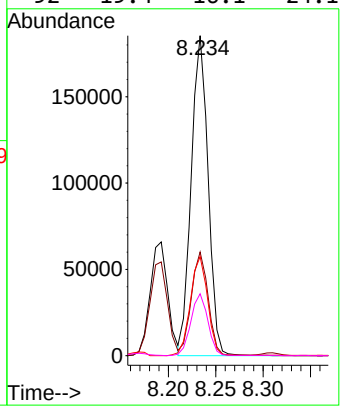




#33
4-Chloroaniline
Concen: 10.413 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:127 Resp: 23034

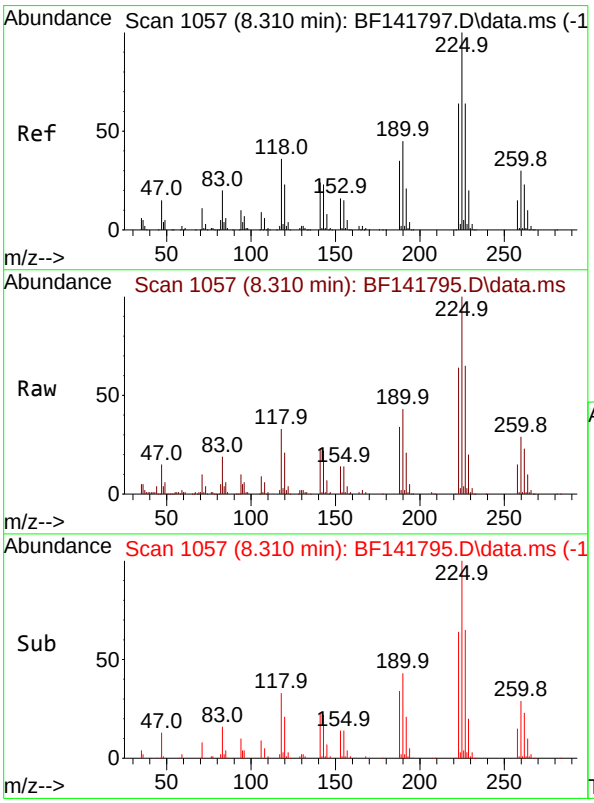
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	30.9	25.7	38.5
92	19.4	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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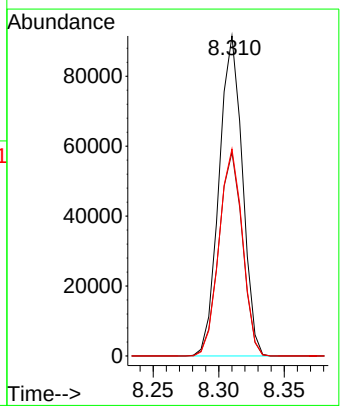
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

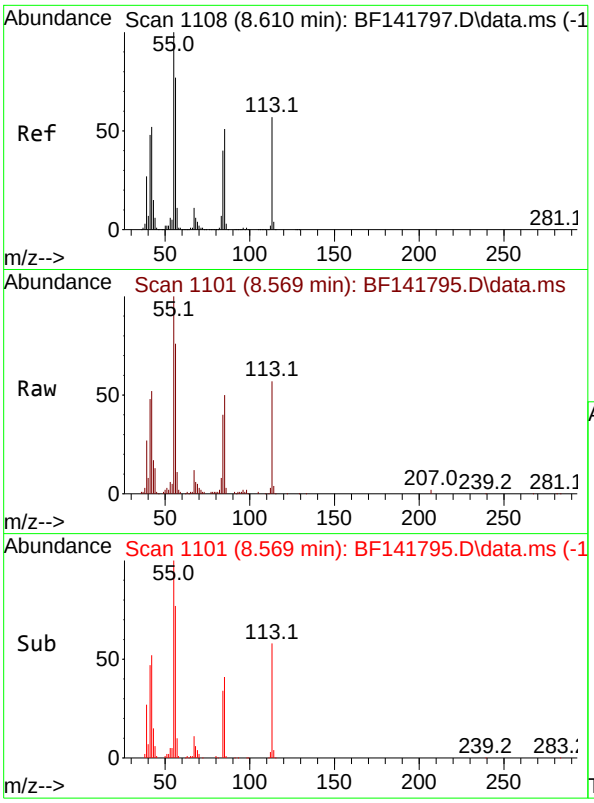


#34
Hexachlorobutadiene
Concen: 9.931 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:225 Resp: 113140

Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.4	77.2
227	64.7	51.6	77.4

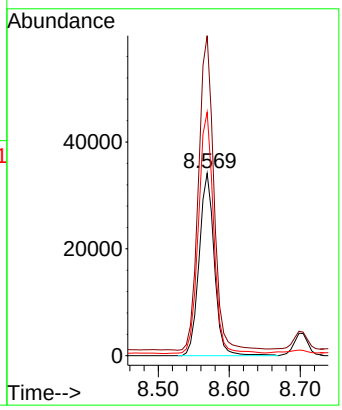




#35
Caprolactam
Concen: 9.855 ng
RT: 8.569 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:113 Resp: 5073

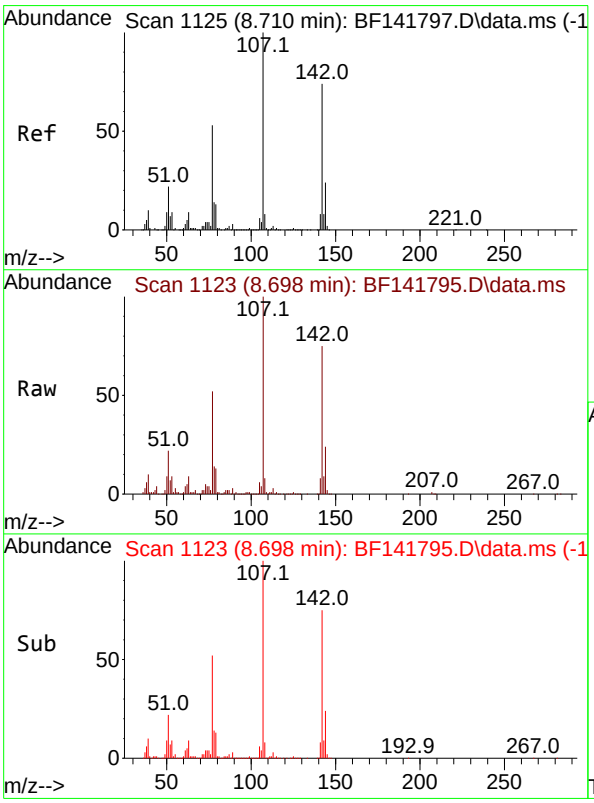
Ion	Ratio	Lower	Upper
113	100		
55	175.4	155.6	195.6
56	133.5	114.6	154.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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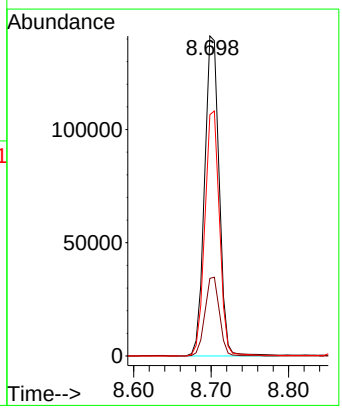
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

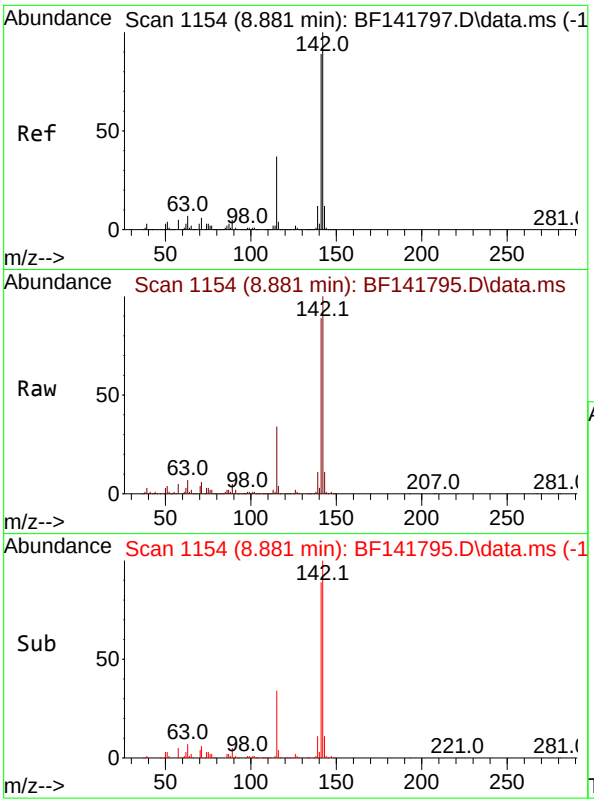


#36
4-Chloro-3-methylphenol
Concen: 9.987 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:107 Resp: 185621

Ion	Ratio	Lower	Upper
107	100		
144	24.2	19.4	29.0
142	75.4	59.4	89.0

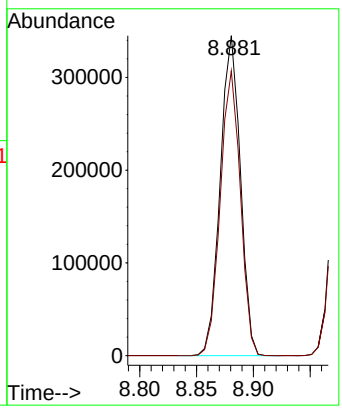




#37
2-Methylnaphthalene
Concen: 10.758 ng
RT: 8.881 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:142 Resp: 42572

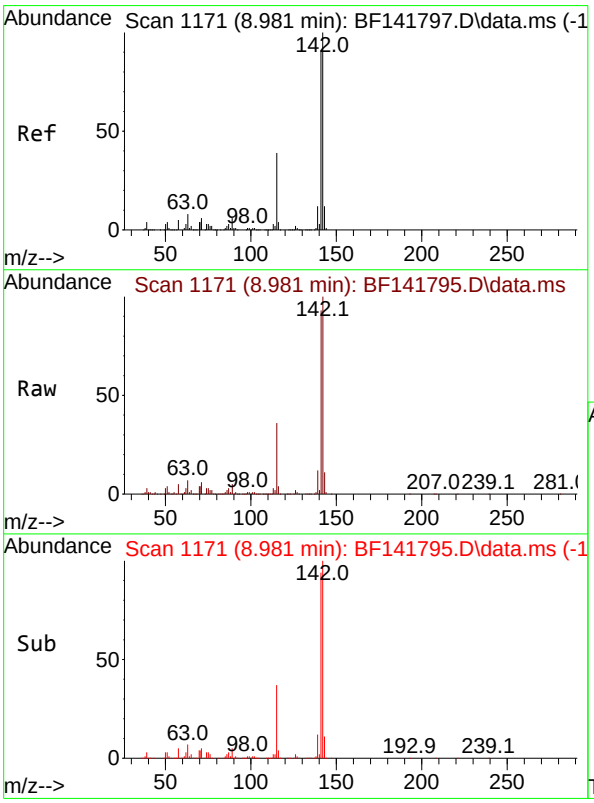
Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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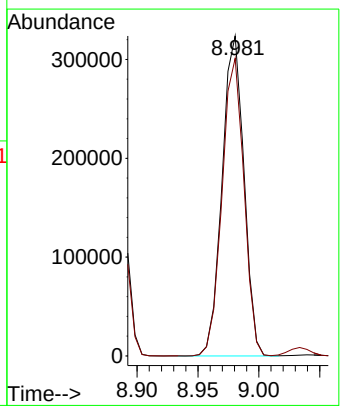
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

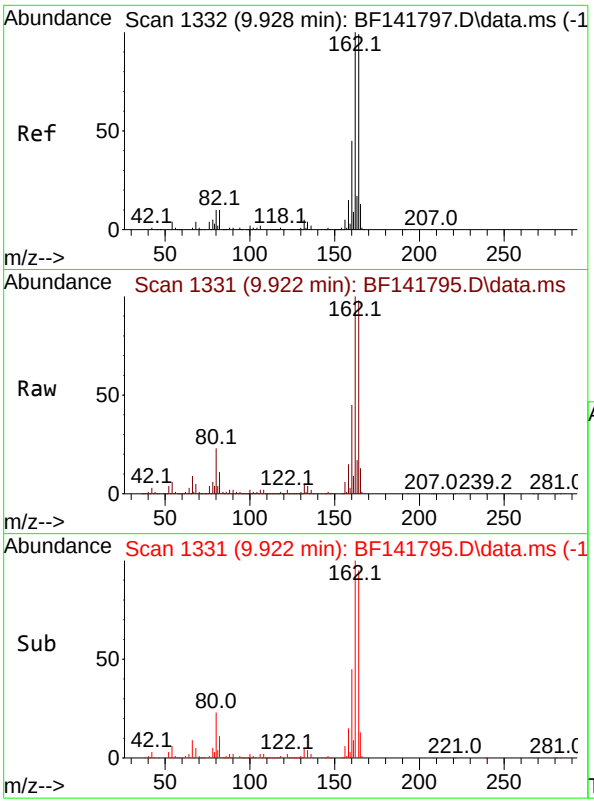


#38
1-Methylnaphthalene
Concen: 10.642 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:142 Resp: 404087

Ion	Ratio	Lower	Upper
142	100		
141	93.0	73.1	109.7

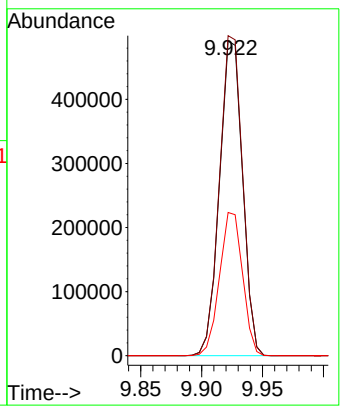




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:164 Resp: 64790

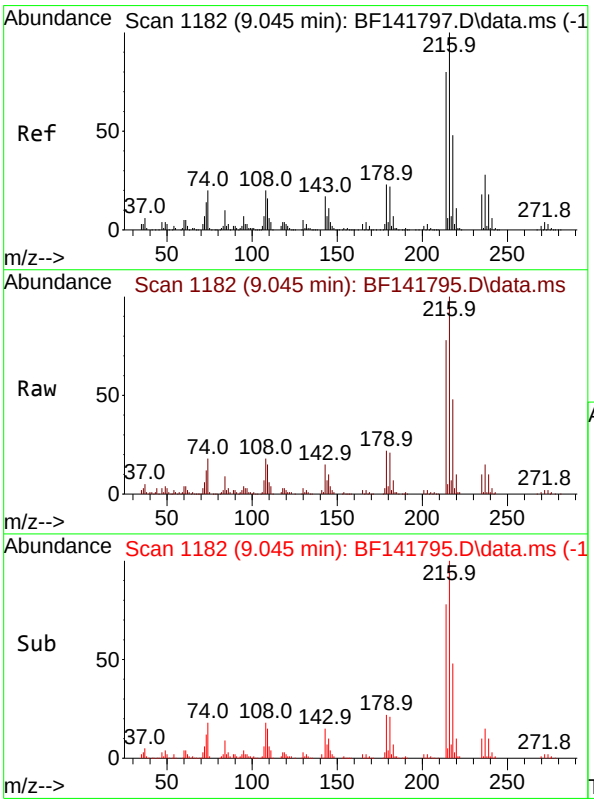
Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	45.5	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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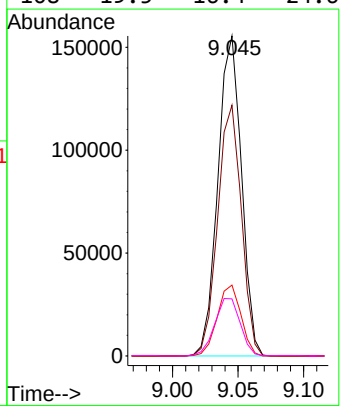
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

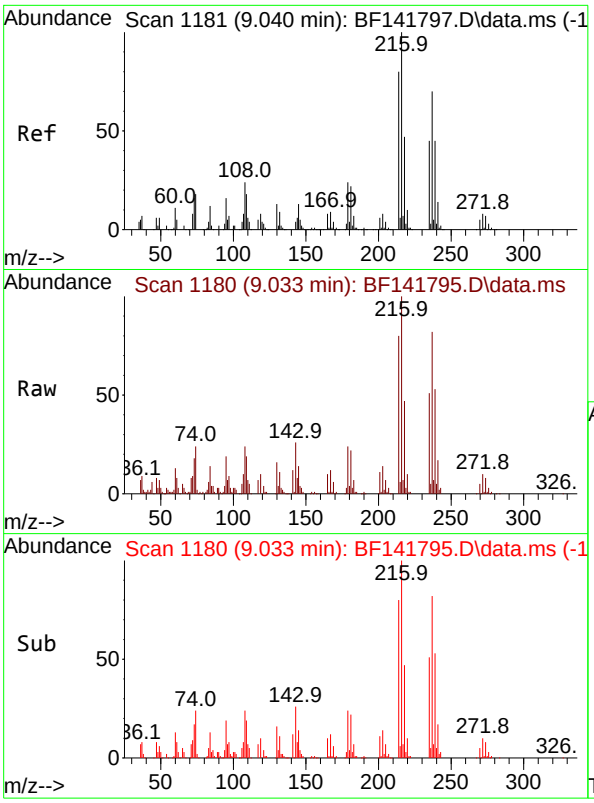


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.386 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:216 Resp: 194342

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.5	95.3
179	22.3	18.1	27.1
108	19.5	16.4	24.6

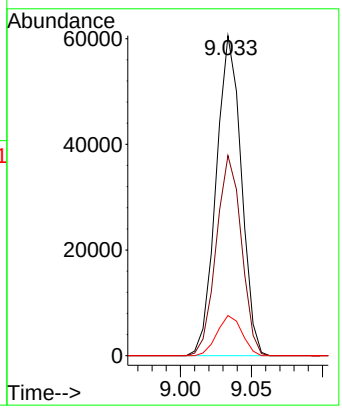




#41
Hexachlorocyclopentadiene
Concen: 9.533 ng
RT: 9.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:237 Resp: 7444

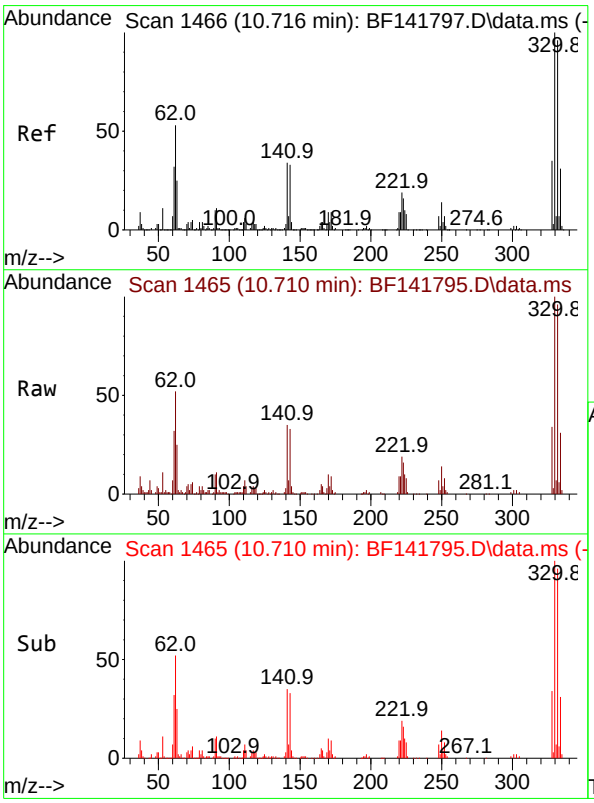
Ion	Ratio	Lower	Upper
237	100		
235	62.6	43.3	83.3
272	12.5	0.0	31.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

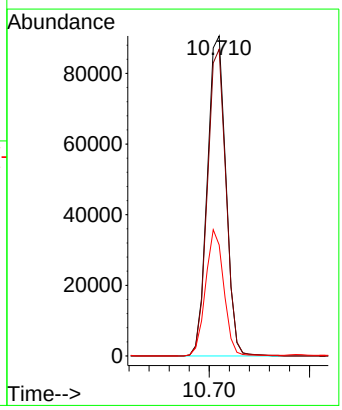
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

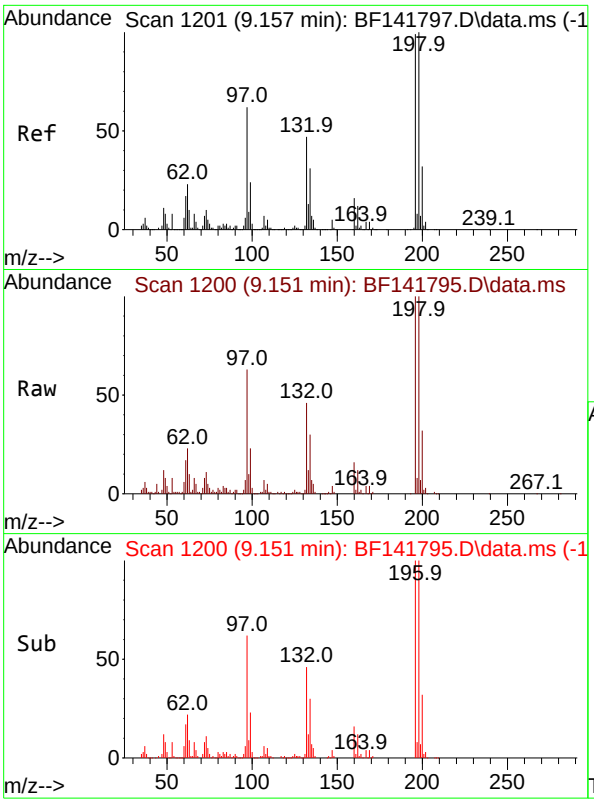


#42
2,4,6-Tribromophenol
Concen: 19.078 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:330 Resp: 116043

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.6	115.0
141	39.0	29.0	43.4





#43
2,4,6-Trichlorophenol
Concen: 9.864 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

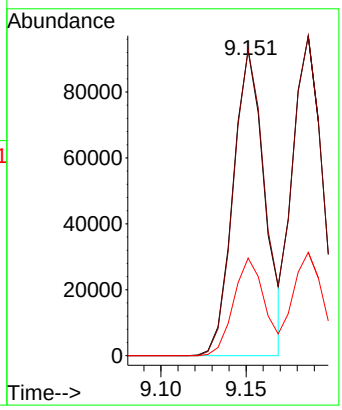
Tgt Ion:196 Resp: 11923

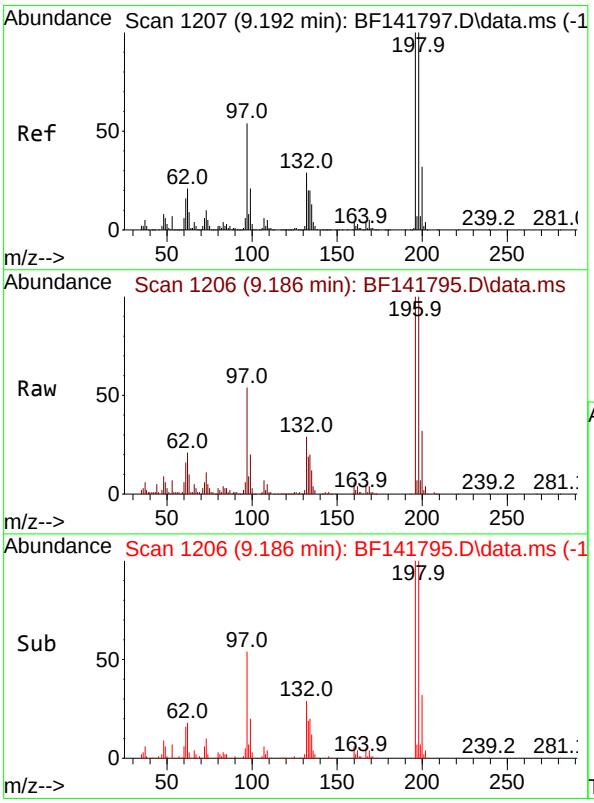
Ion	Ratio	Lower	Upper
196	100		
198	100.4	80.4	120.6
200	32.0	25.7	38.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

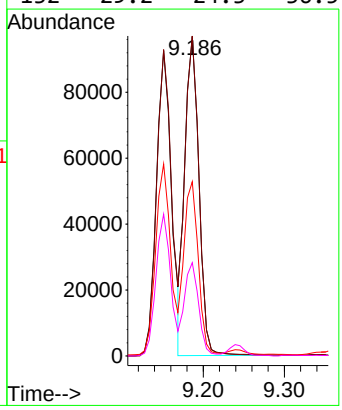


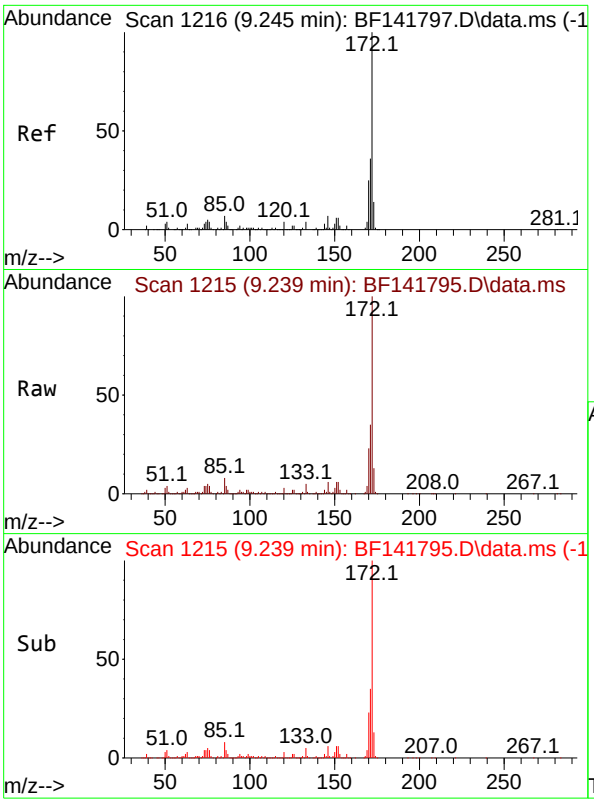


#44
2,4,5-Trichlorophenol
Concen: 9.860 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:196 Resp: 118017

Ion	Ratio	Lower	Upper
196	100		
198	100.1	79.7	119.5
97	54.5	44.2	66.2
132	29.2	24.3	36.5

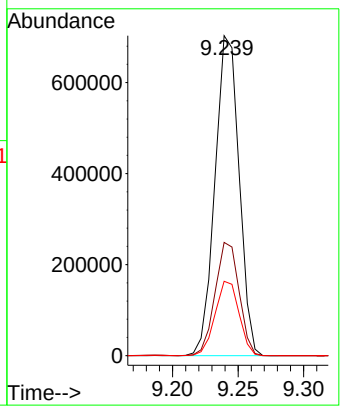




#45
2-Fluorobiphenyl
Concen: 22.244 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:172 Resp: 89879

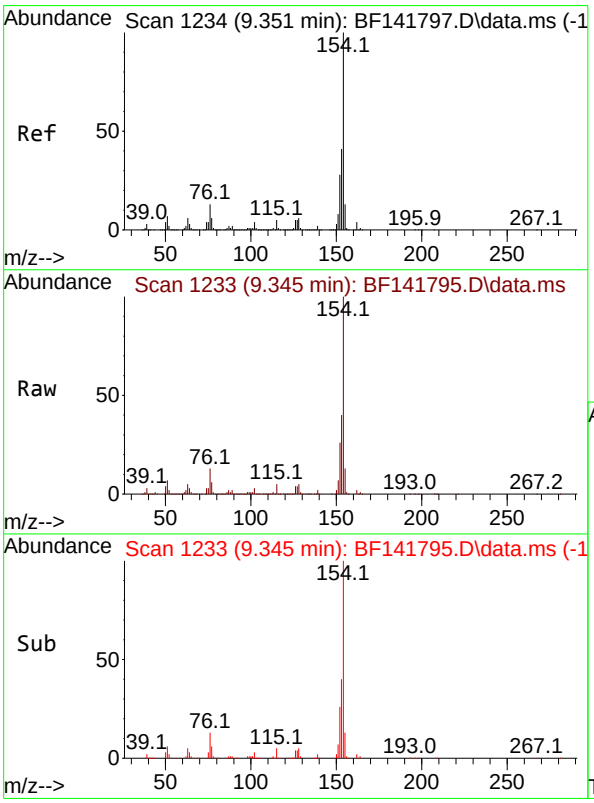
Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.2	43.8
170	23.3	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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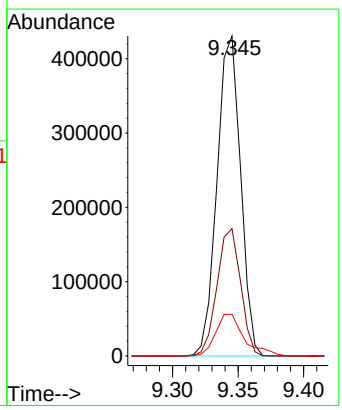
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

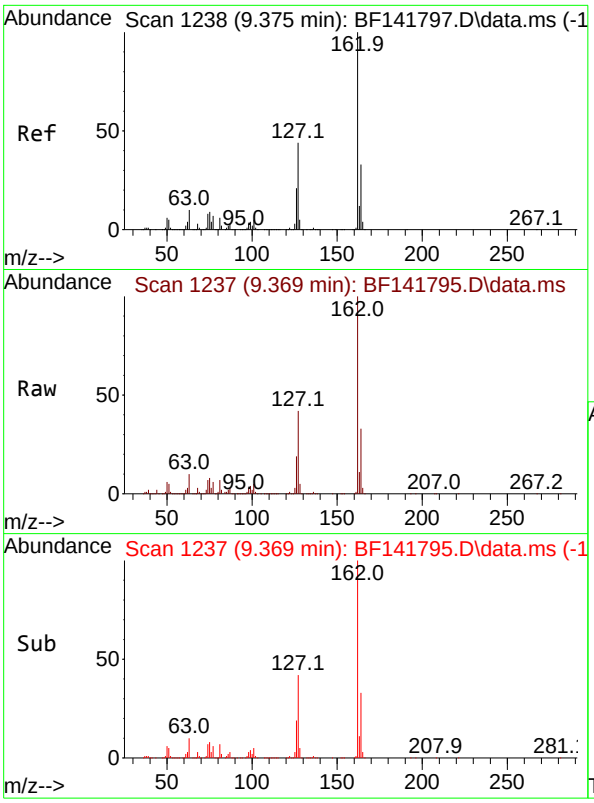


#46
1,1'-Biphenyl
Concen: 10.896 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:154 Resp: 537368

Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.4	61.4
76	13.1	0.0	33.4

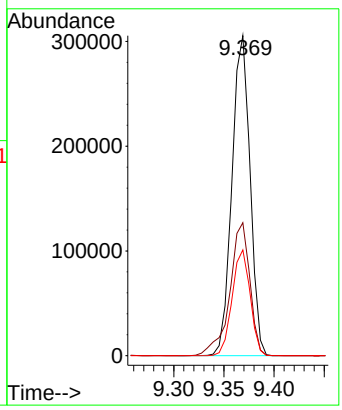




#47
2-Chloronaphthalene
Concen: 10.535 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:162 Resp: 38344

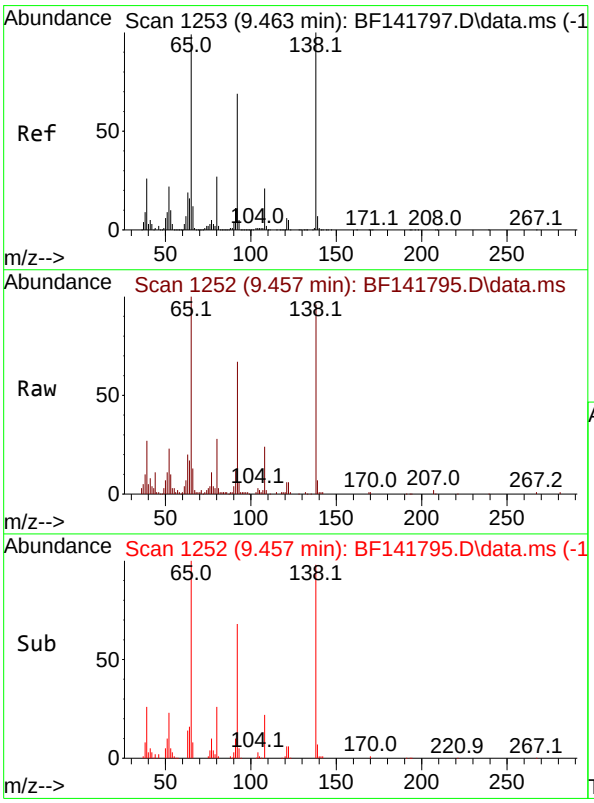
Ion	Ratio	Lower	Upper
162	100		
127	41.5	35.0	52.6
164	33.1	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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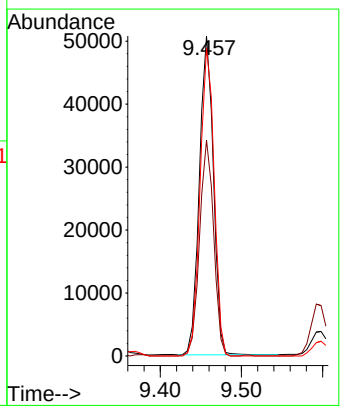
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

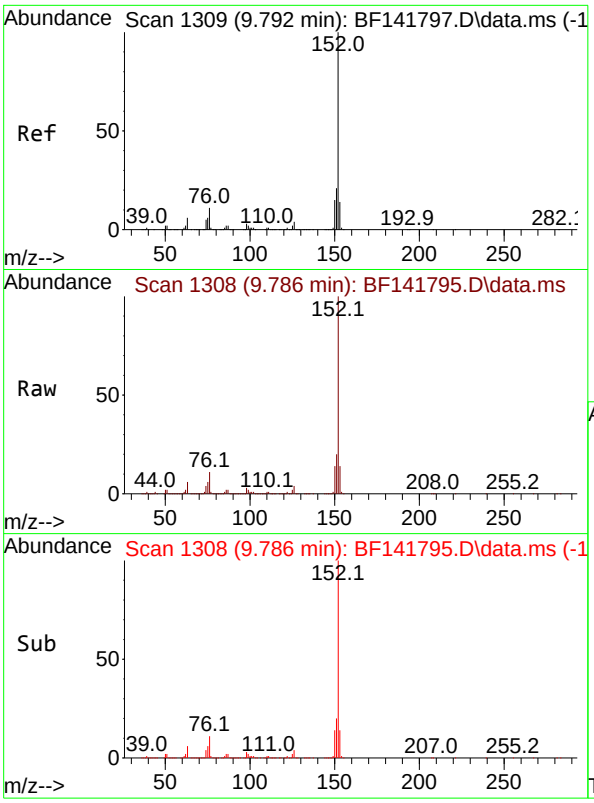


#48
2-Nitroaniline
Concen: 9.877 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 65 Resp: 60658

Ion	Ratio	Lower	Upper
65	100		
92	67.4	55.7	83.5
138	96.3	80.6	121.0

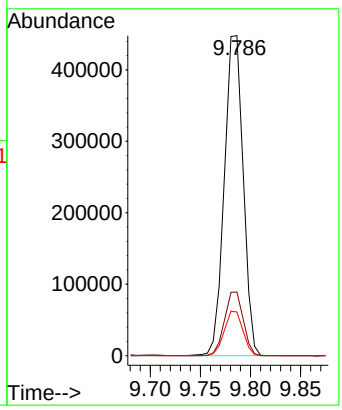




#49
Acenaphthylene
Concen: 10.739 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:152 Resp: 58606

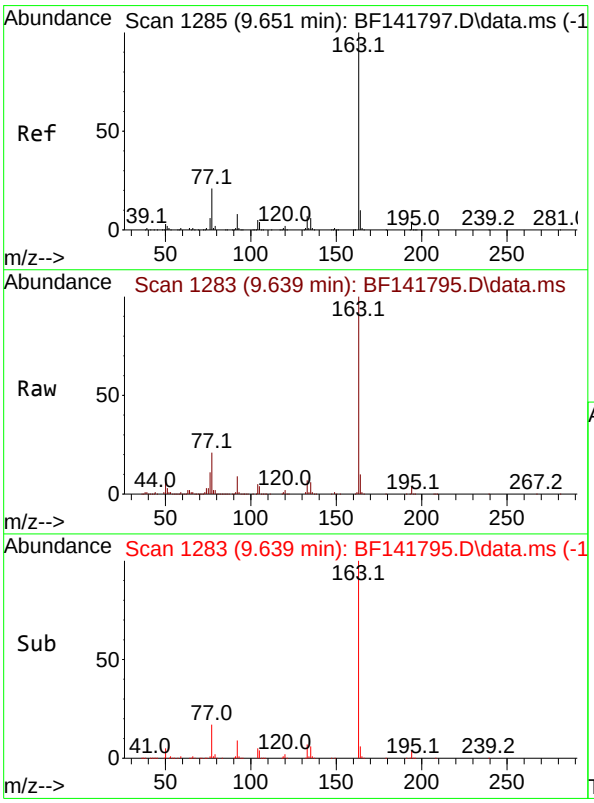
Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.6	24.8
153	13.7	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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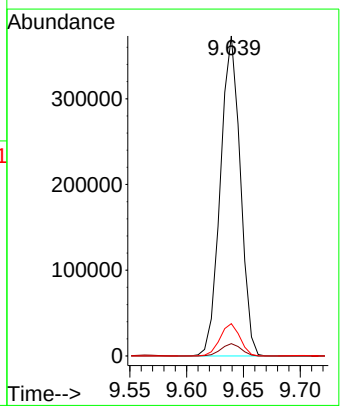
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

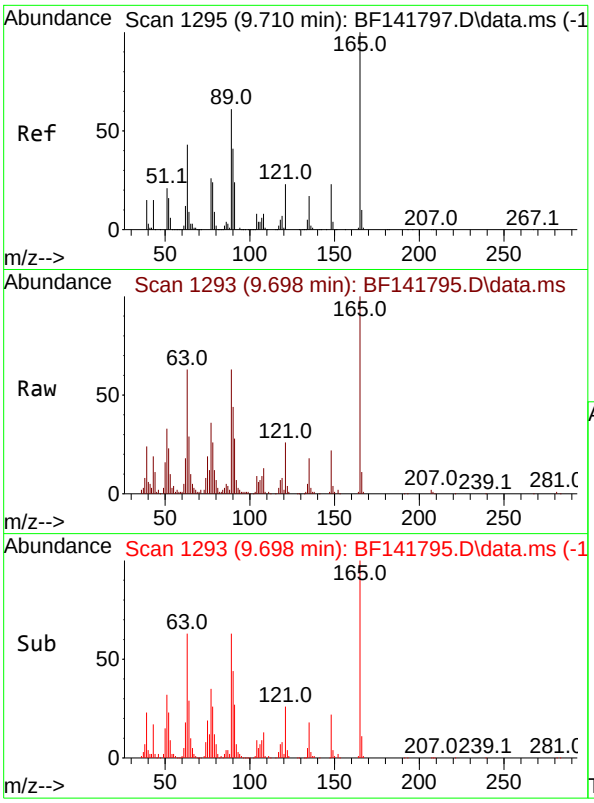


#50
Dimethylphthalate
Concen: 10.491 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:163 Resp: 455190

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.1	8.4	12.6





#51
2,6-Dinitrotoluene
Concen: 9.588 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

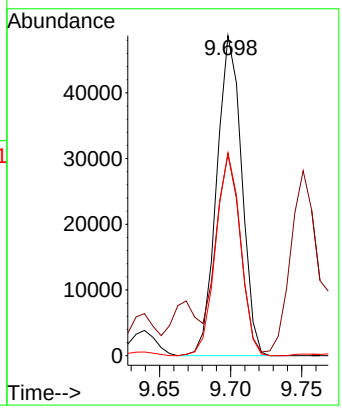
Tgt Ion:165 Resp: 5961

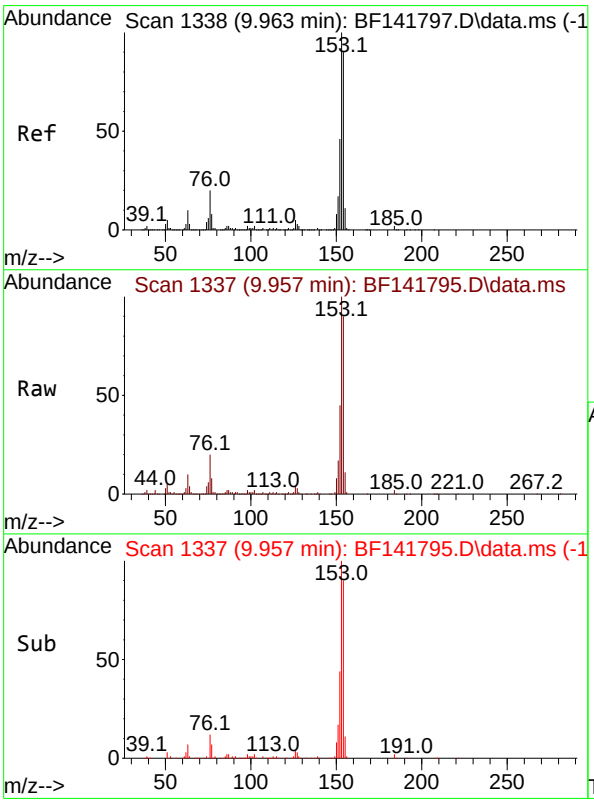
Ion	Ratio	Lower	Upper
165	100		
63	62.9	49.5	74.3
89	63.4	49.0	73.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

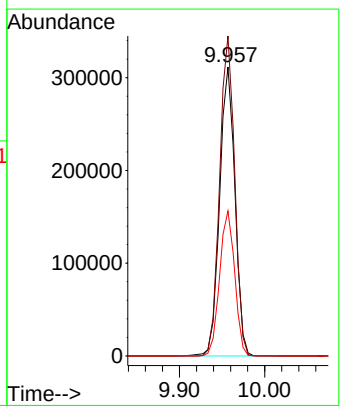


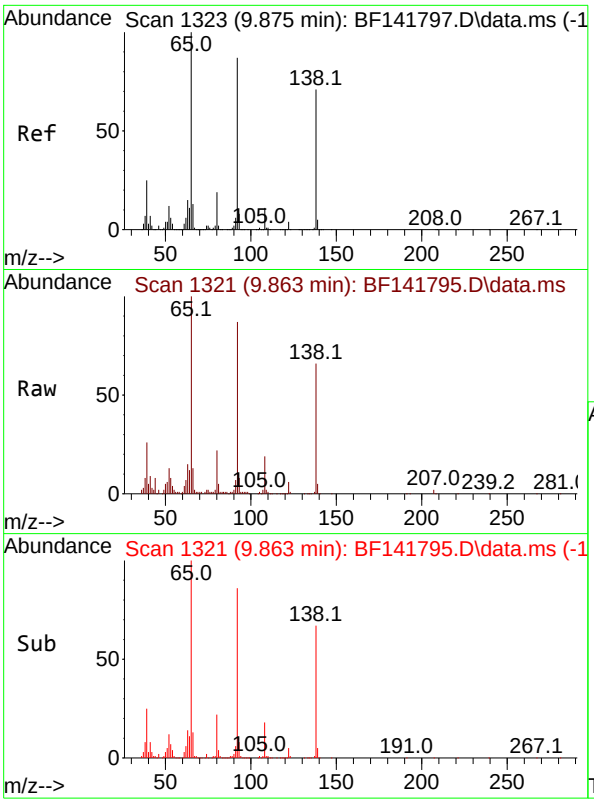


#52
Acenaphthene
Concen: 10.568 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:154 Resp: 389154

Ion	Ratio	Lower	Upper
154	100		
153	110.7	88.7	133.1
152	50.2	40.9	61.3





#53
3-Nitroaniline
Concen: 9.606 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

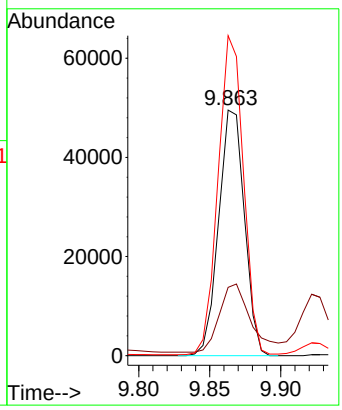
Tgt Ion:138 Resp: 6256

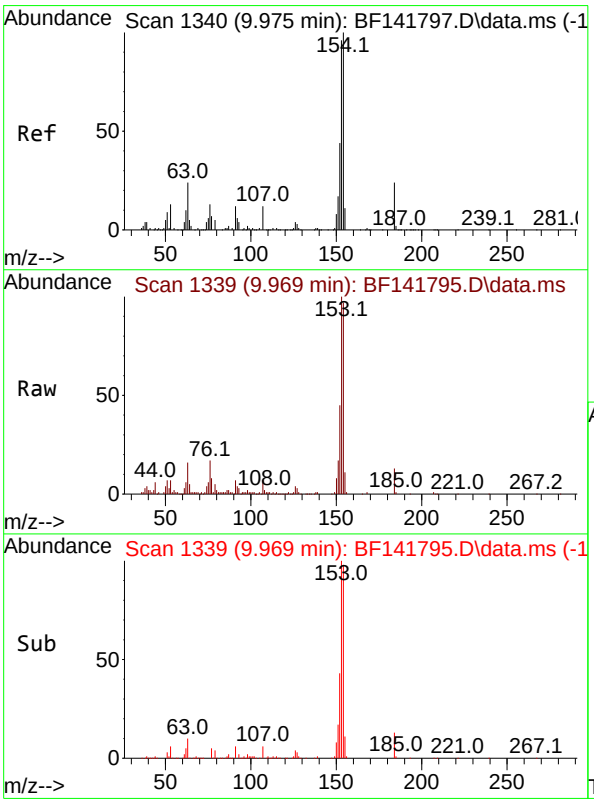
Ion	Ratio	Lower	Upper
138	100		
108	27.8	12.7	19.1#
92	130.3	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

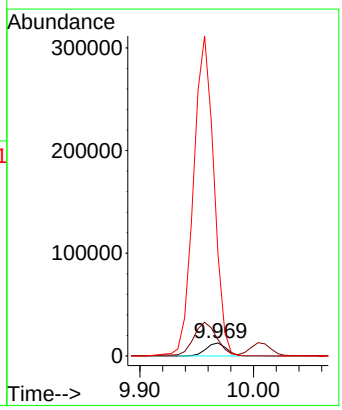


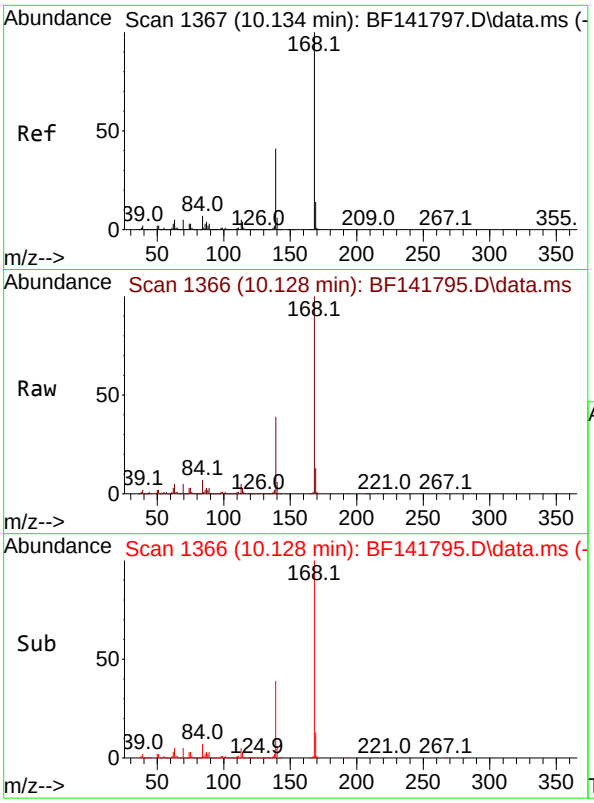


#54
2,4-Dinitrophenol
Concen: 10.881 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:184 Resp: 15803

Ion	Ratio	Lower	Upper
184	100		
63	124.5	79.0	118.6#
154	775.6	335.8	503.8#

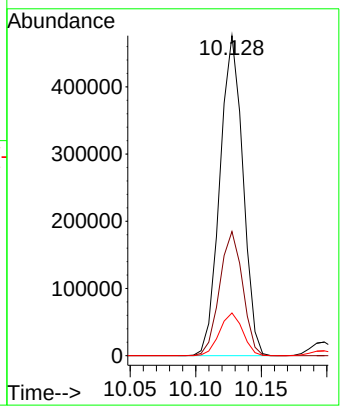




#55
Dibenzofuran
Concen: 10.843 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:168 Resp: 58112

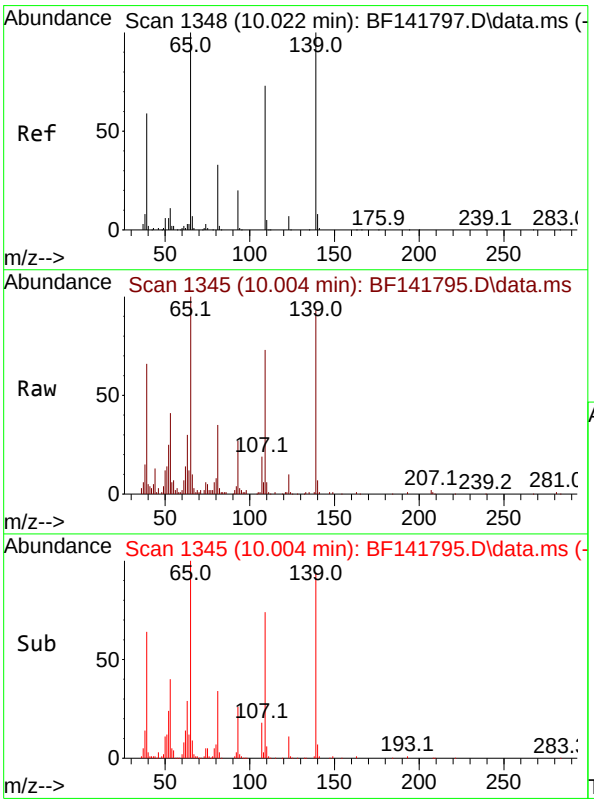
Ion	Ratio	Lower	Upper
168	100		
139	38.8	32.9	49.3
169	13.4	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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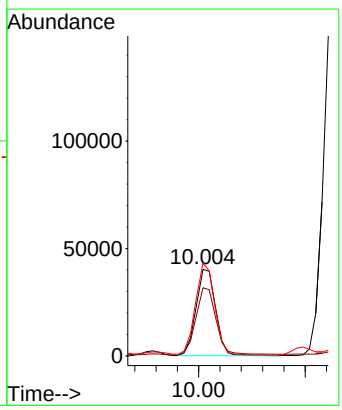
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

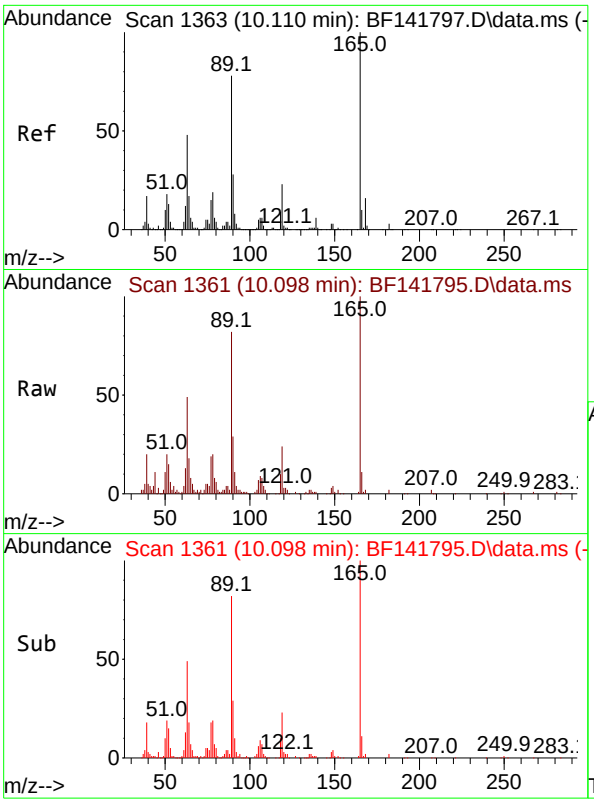


#56
4-Nitrophenol
Concen: 8.022 ng
RT: 10.004 min Scan# 1345
Delta R.T. -0.018 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:139 Resp: 51406

Ion	Ratio	Lower	Upper
139	100		
109	78.6	53.4	93.4
65	107.2	82.1	122.1

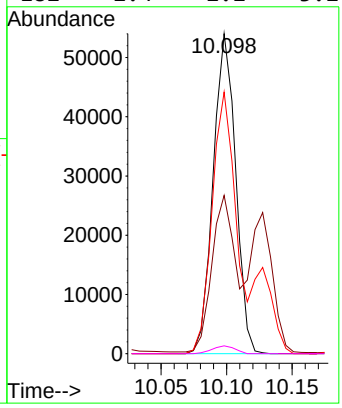




#57
2,4-Dinitrotoluene
Concen: 9.401 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:165 Resp: 6429

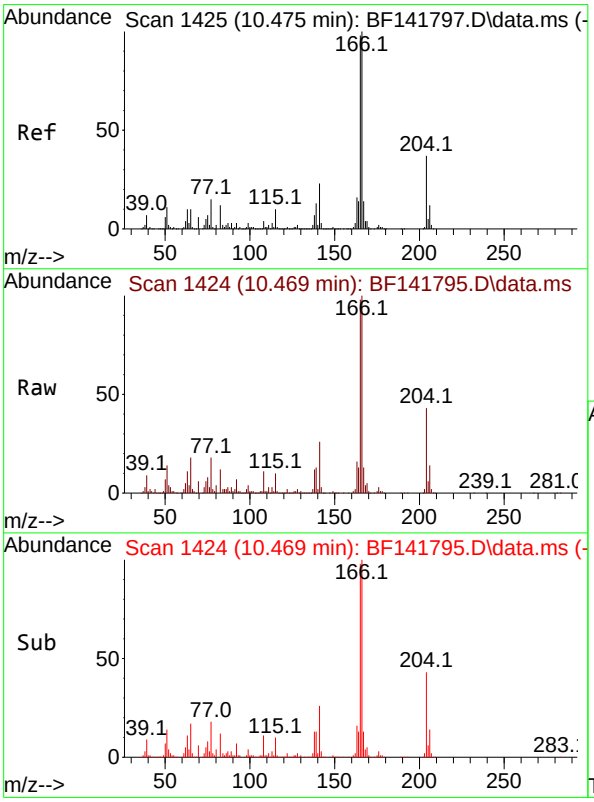
Ion	Ratio	Lower	Upper
165	100		
63	49.5	38.8	58.2
89	81.7	62.6	94.0
182	2.4	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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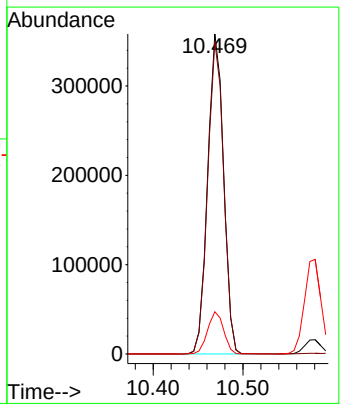
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

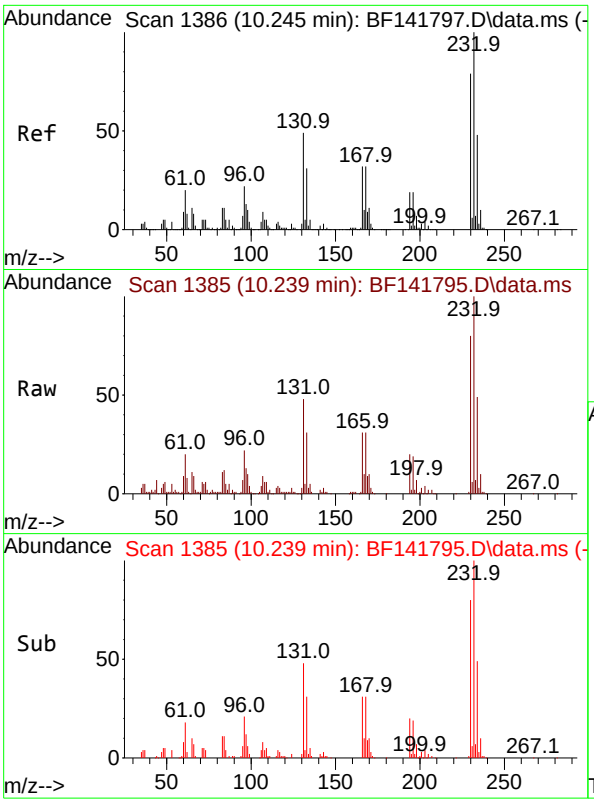


#58
Fluorene
Concen: 11.027 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:166 Resp: 442697

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.6	117.8
167	13.2	11.0	16.4

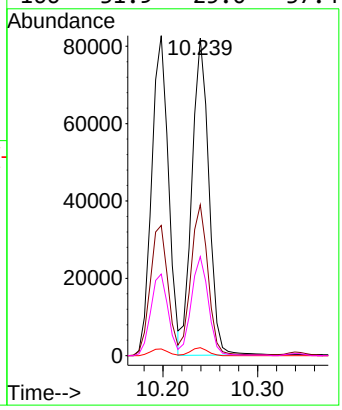




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.772 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:232 Resp: 10172

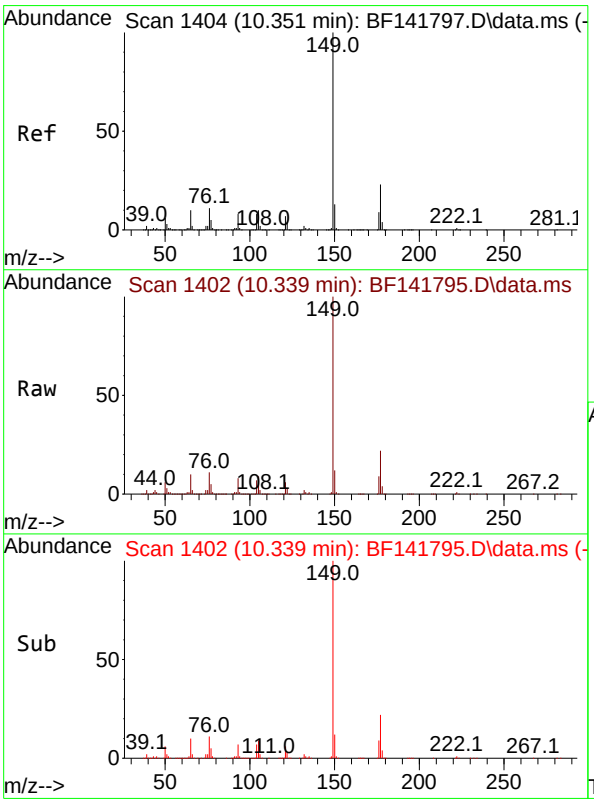
Ion	Ratio	Lower	Upper
232	100		
131	47.7	37.8	56.8
130	2.6	2.0	3.0
166	31.9	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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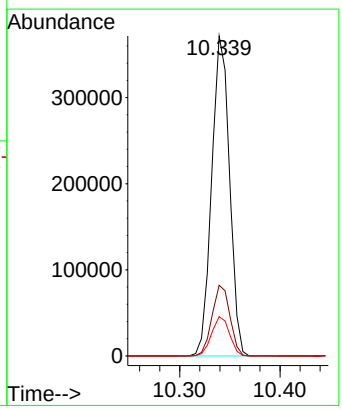
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

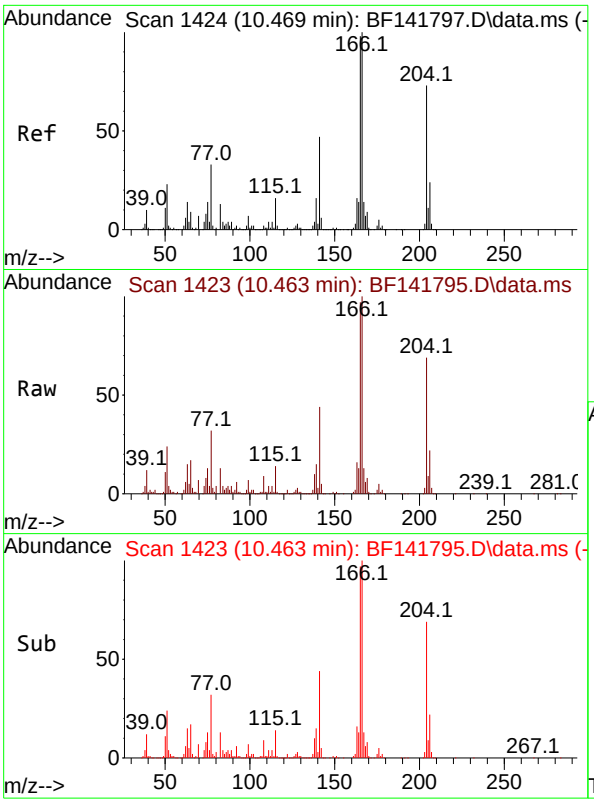


#60
Diethylphthalate
Concen: 10.520 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:149 Resp: 457600

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.3	27.5
150	12.3	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 10.703 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

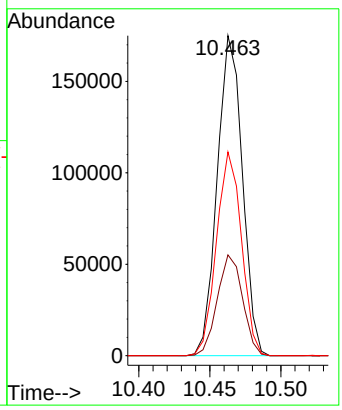
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

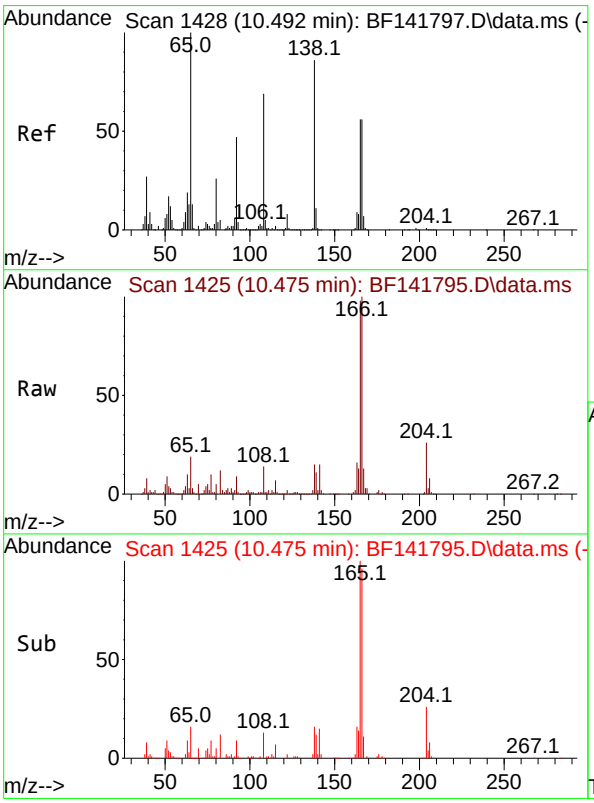
Tgt Ion:204 Resp: 21528

Ion	Ratio	Lower	Upper
204	100		
206	31.5	26.2	39.4
141	63.7	51.7	77.5

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

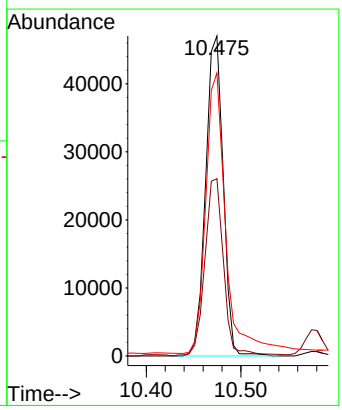


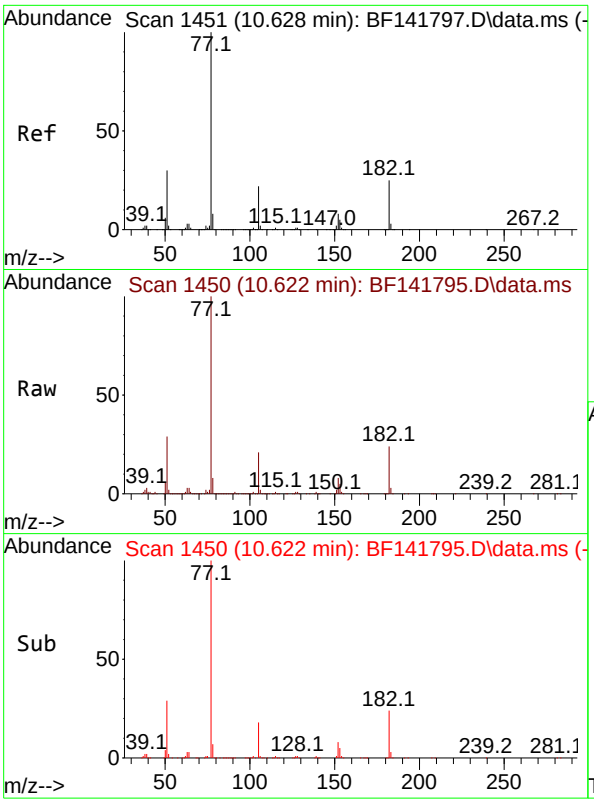


#62
4-Nitroaniline
Concen: 8.172 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.018 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:138 Resp: 60552

Ion	Ratio	Lower	Upper
138	100		
92	55.4	34.9	74.9
108	88.5	59.6	99.6

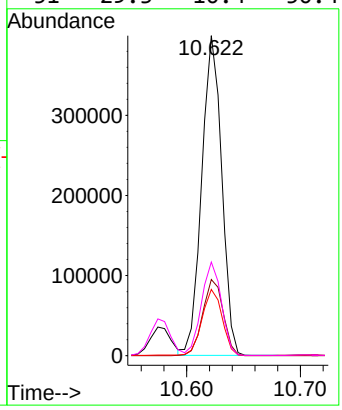




#63
Azobenzene
Concen: 10.631 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion: 77 Resp: 48687

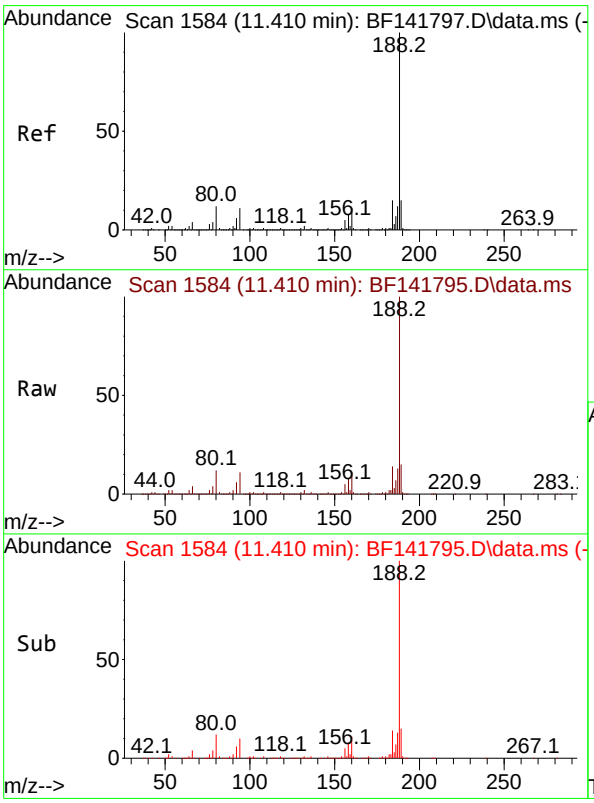
Ion	Ratio	Lower	Upper
77	100		
182	23.8	4.2	44.2
105	20.7	1.5	41.5
51	29.3	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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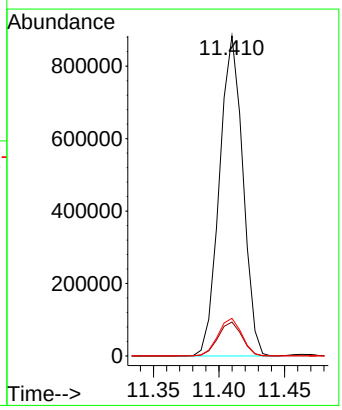
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

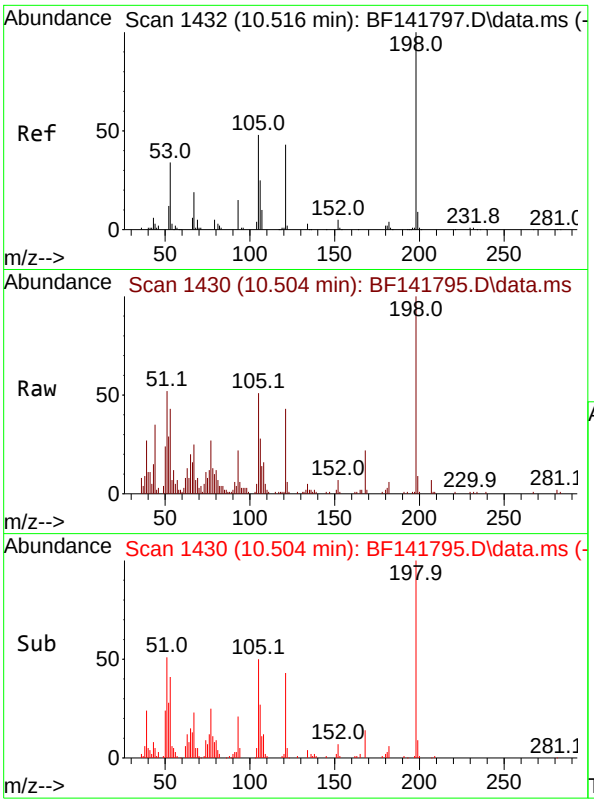


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:188 Resp: 1098842

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.9	13.3
80	11.7	9.7	14.5

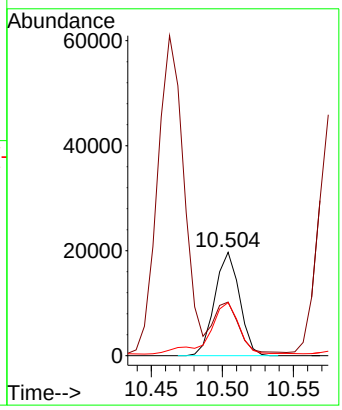




#65
4,6-Dinitro-2-methylphenol
Concen: 11.957 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:198 Resp: 2386

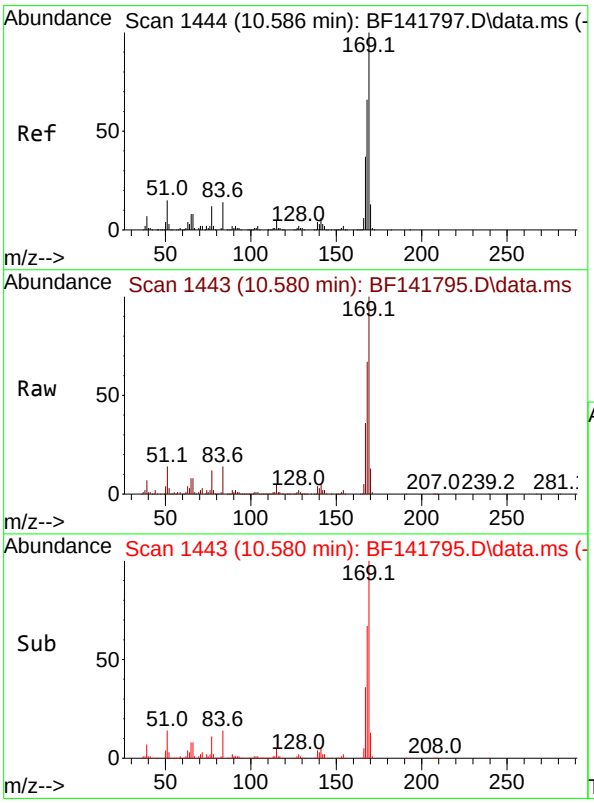
Ion	Ratio	Lower	Upper
198	100		
51	51.8	32.1	72.1
105	51.4	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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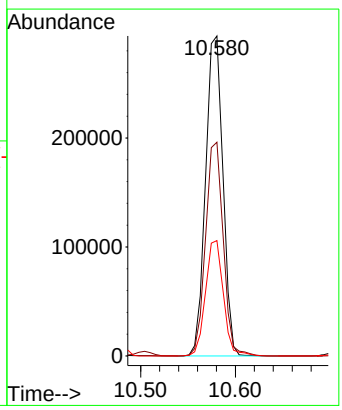
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

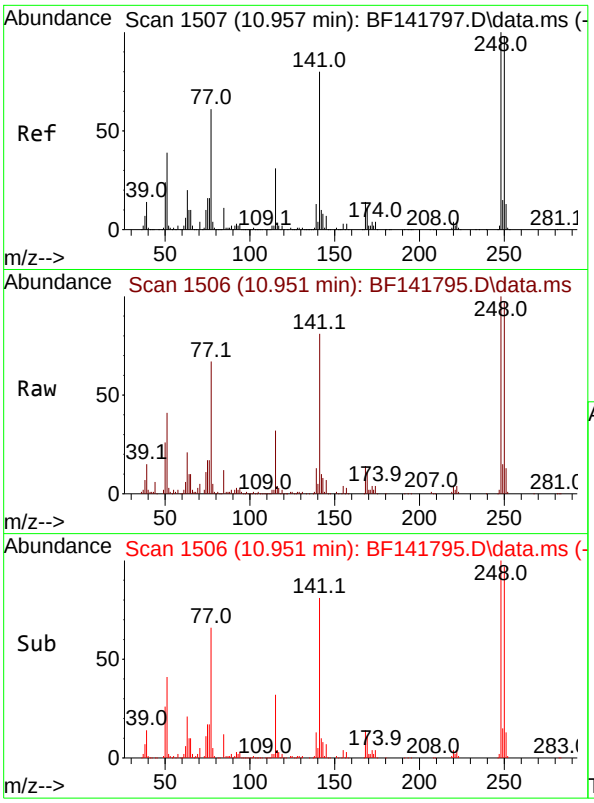


#66
n-Nitrosodiphenylamine
Concen: 10.369 ng
RT: 10.580 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:169 Resp: 374119

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.0	79.6
167	36.1	29.3	43.9





#67
4-Bromophenyl-phenylether
Concen: 10.165 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

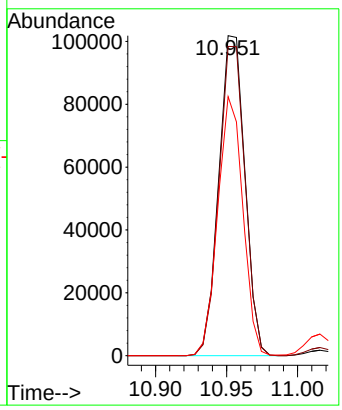
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

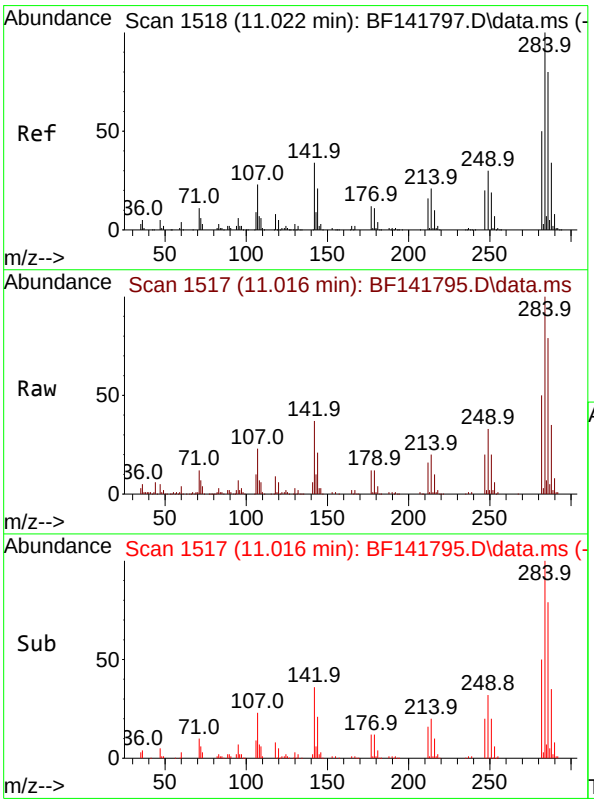
Tgt Ion:248 Resp: 13046

Ion	Ratio	Lower	Upper
248	100		
250	96.6	78.1	117.1
141	81.0	64.3	96.5

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

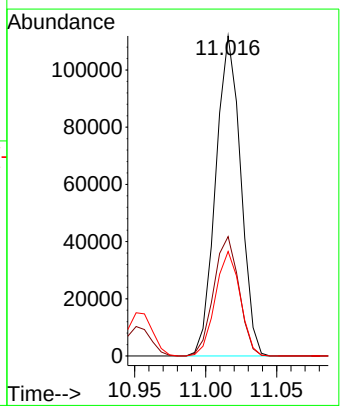


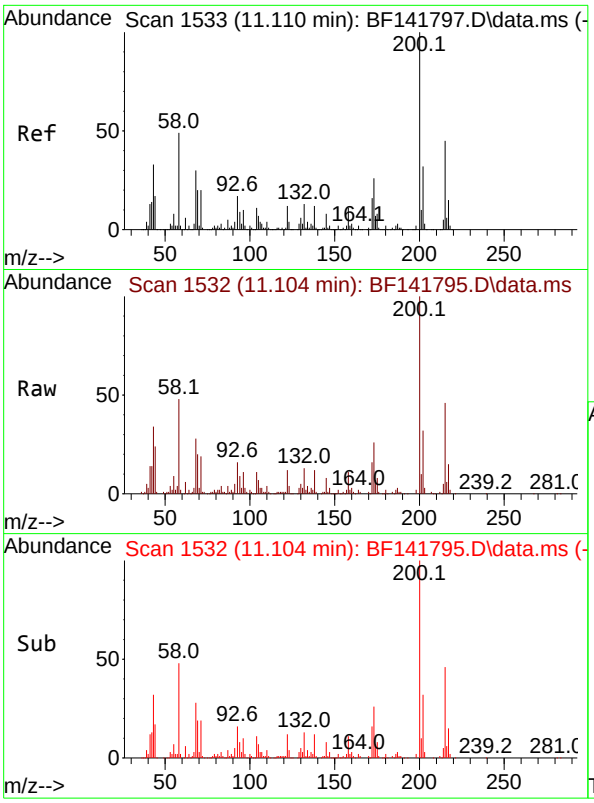


#68
Hexachlorobenzene
Concen: 10.081 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:284 Resp: 136626

Ion	Ratio	Lower	Upper
284	100		
142	37.3	28.2	42.2
249	32.7	25.5	38.3

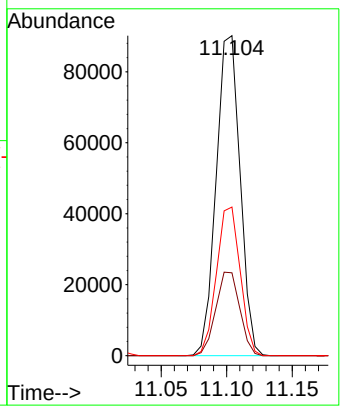




#69
Atrazine
Concen: 11.517 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:200 Resp: 11427

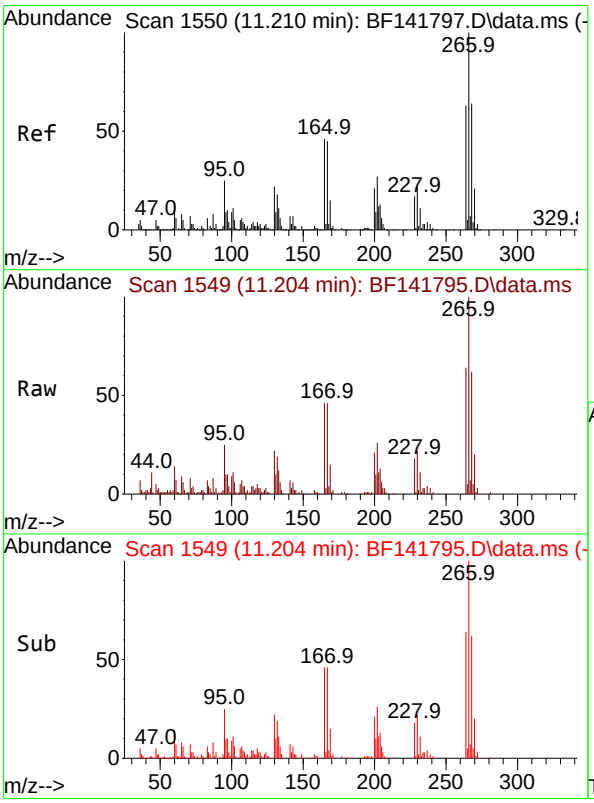
Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.6	45.6
215	46.5	25.3	65.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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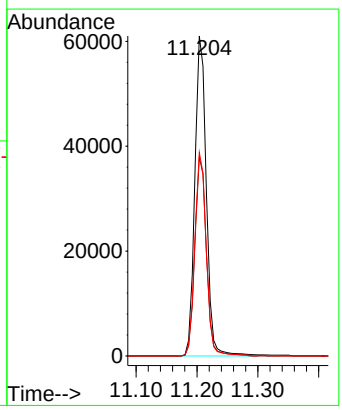
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

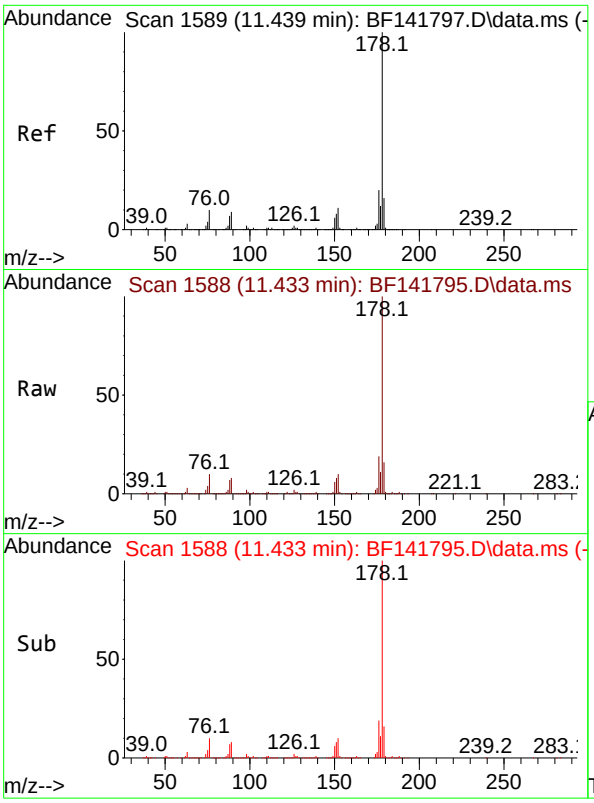


#70
Pentachlorophenol
Concen: 9.334 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:266 Resp: 80231

Ion	Ratio	Lower	Upper
266	100		
268	62.2	50.9	76.3
264	63.6	50.2	75.4

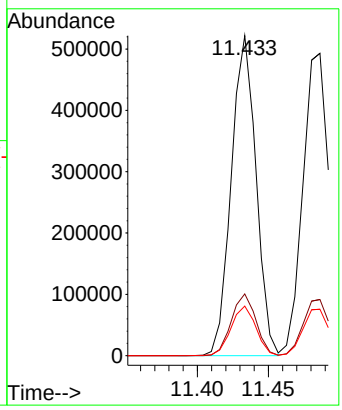




#71
Phenanthrene
Concen: 10.764 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:178 Resp: 63269

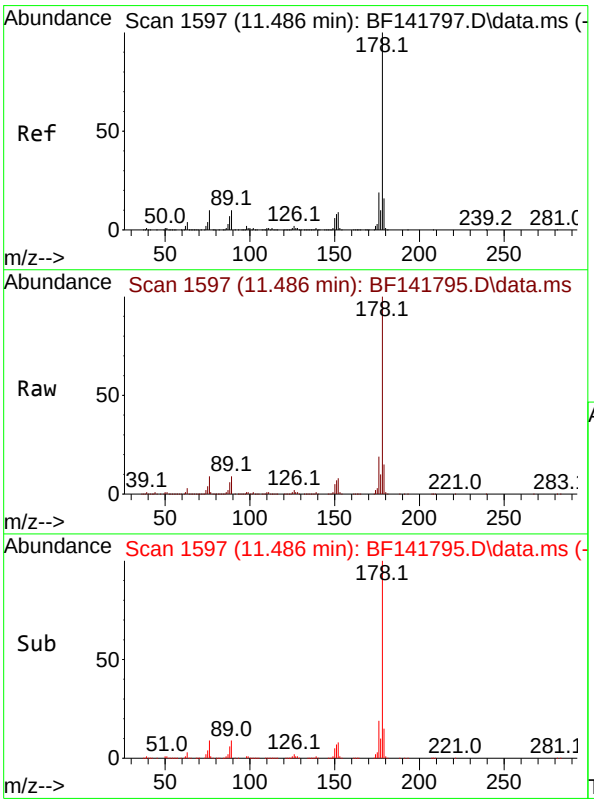
Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.0	24.0
179	15.5	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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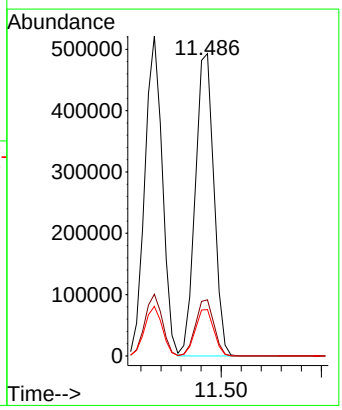
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

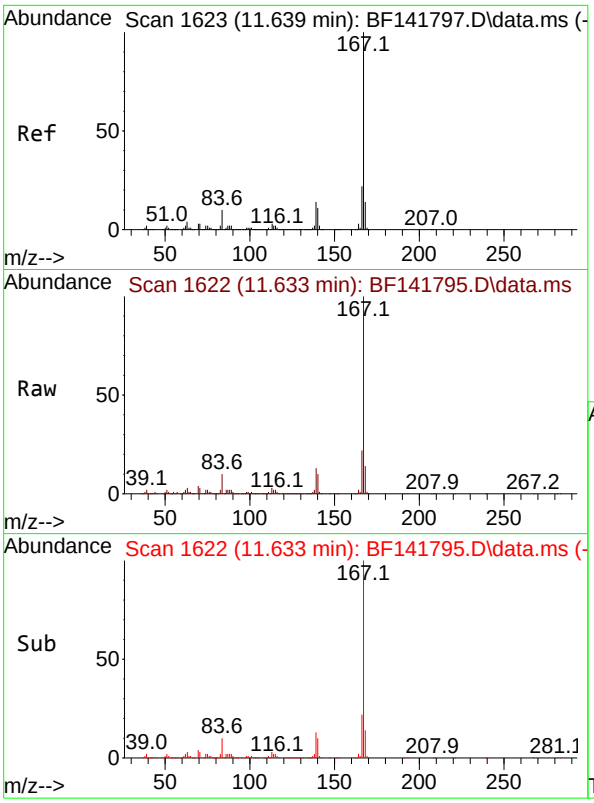


#72
Anthracene
Concen: 10.785 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:178 Resp: 635314

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.4	12.8	19.2

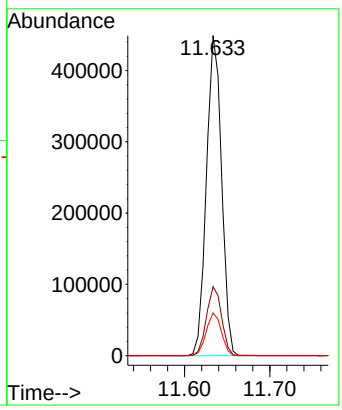




#73
Carbazole
Concen: 10.667 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:167 Resp: 55490

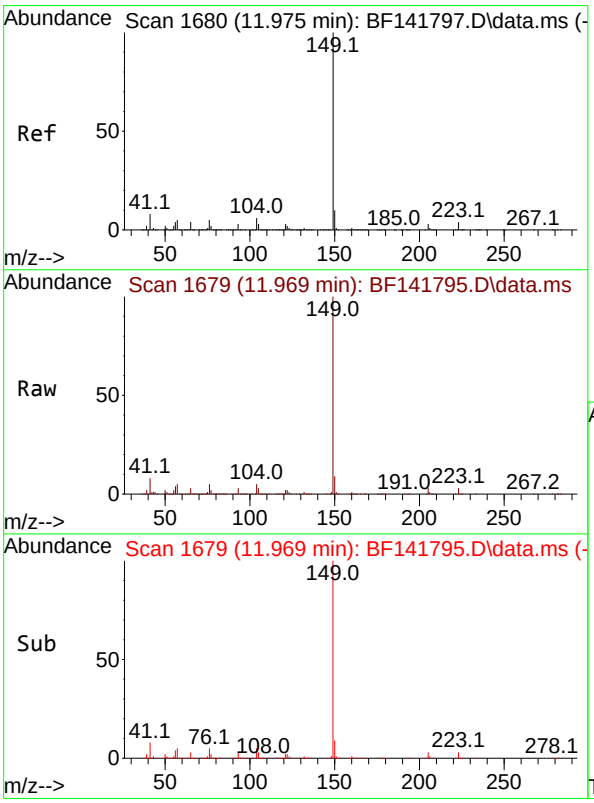
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	13.3	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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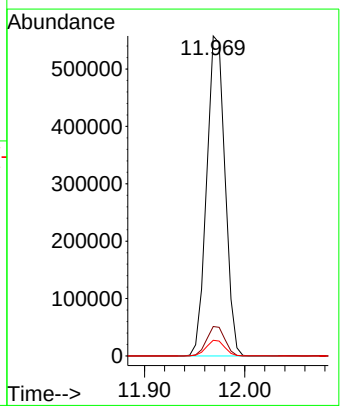
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

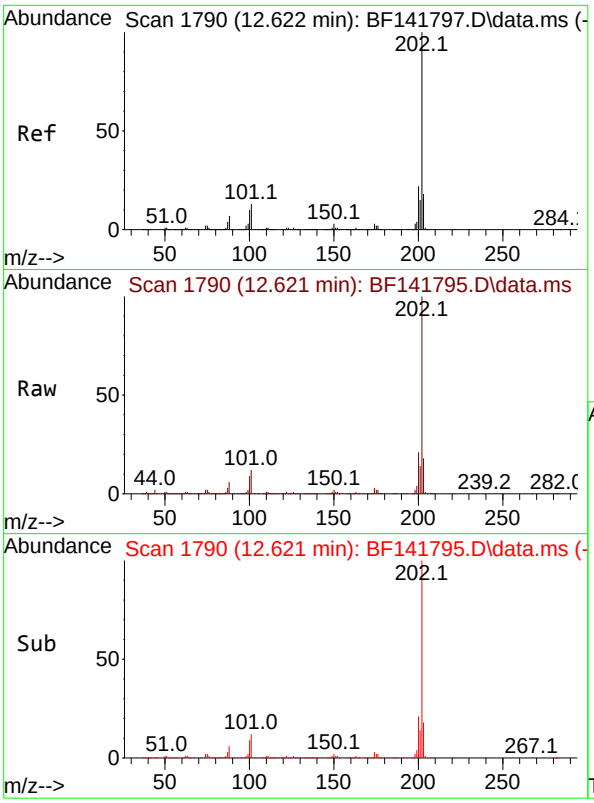


#74
Di-n-butylphthalate
Concen: 10.756 ng
RT: 11.969 min Scan# 1679
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:149 Resp: 709254

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.7	11.5
104	4.9	4.4	6.6

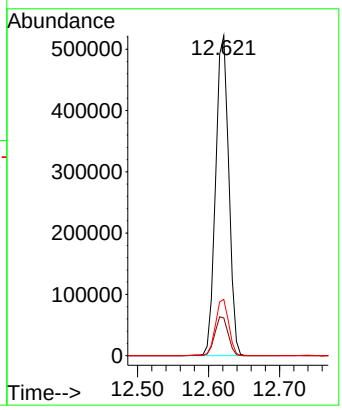




#75
Fluoranthene
Concen: 11.098 ng
RT: 12.621 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:202 Resp: 66837

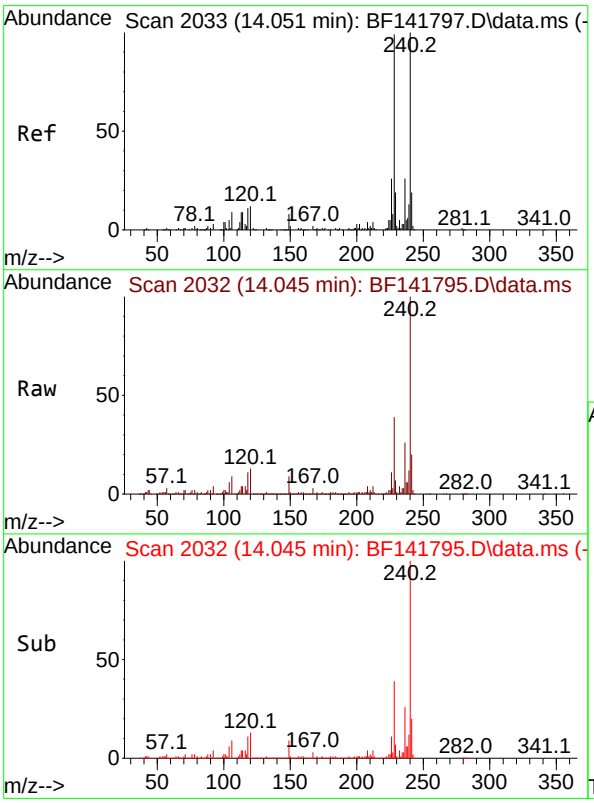
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.8
203	17.6	0.0	38.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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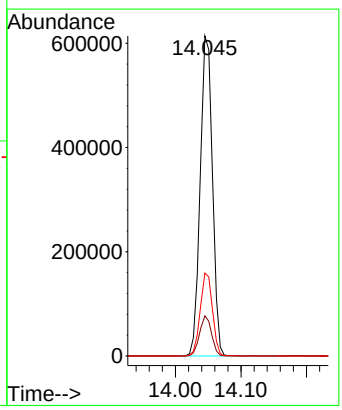
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

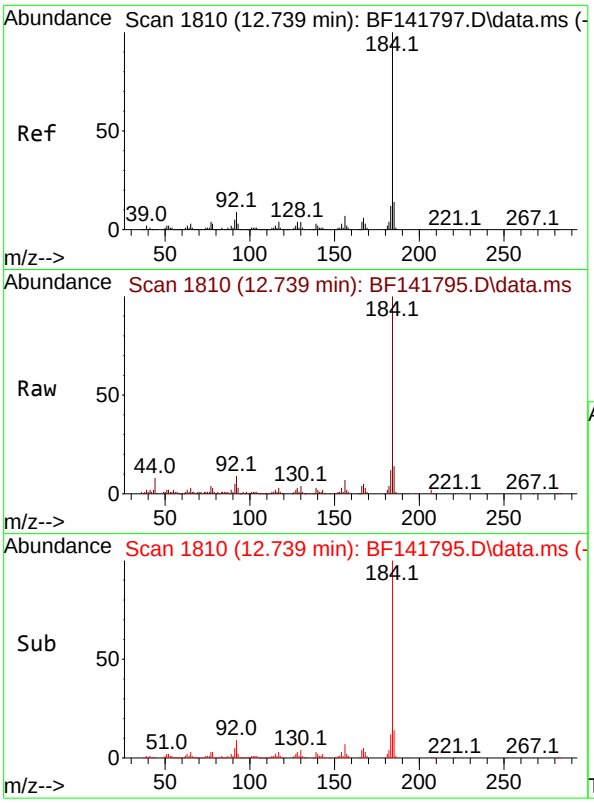


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:240 Resp: 800194

Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.7	14.5
236	25.9	21.0	31.4

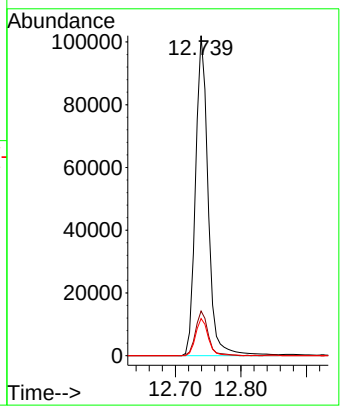




#77
Benzidine
Concen: 13.588 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:184 Resp: 13685

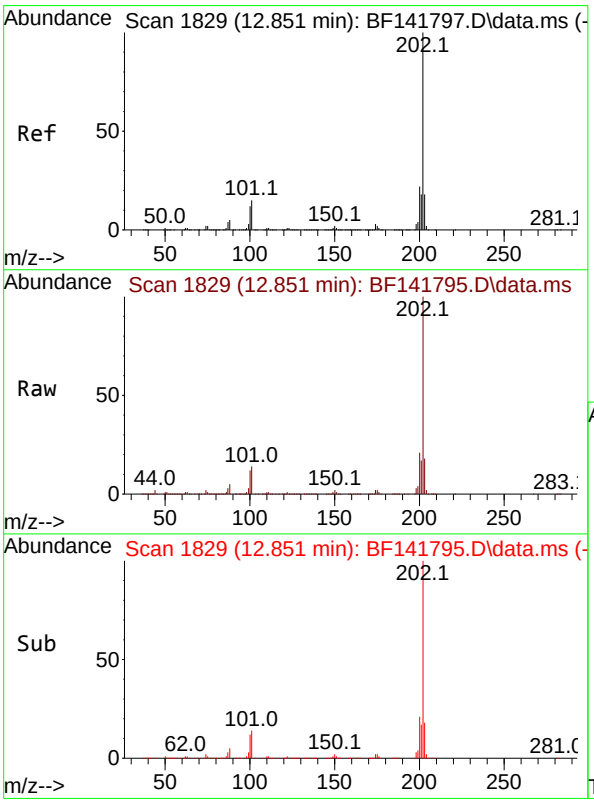
Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.6	17.4
183	11.6	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
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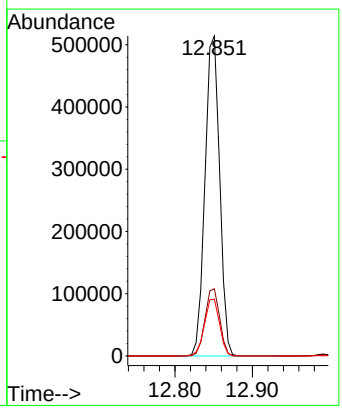
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

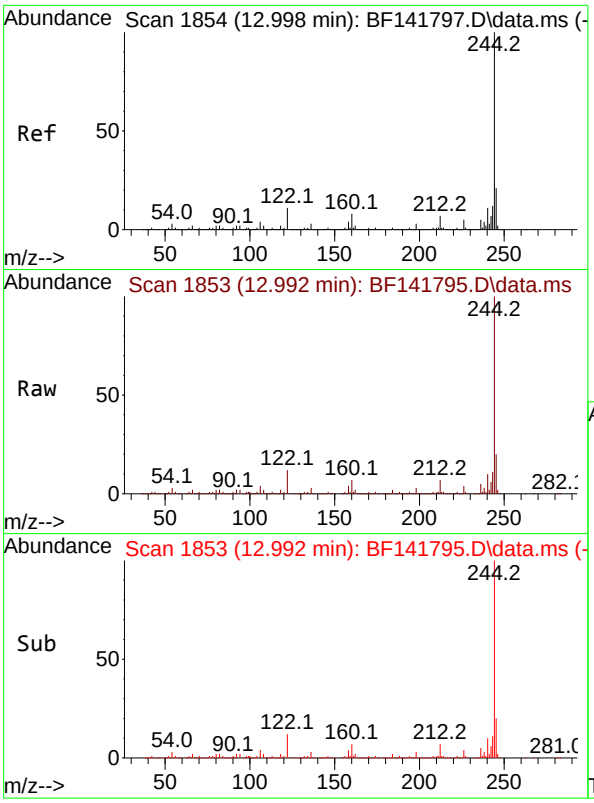


#78
Pyrene
Concen: 9.740 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:202 Resp: 674877

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.0
203	17.7	14.6	22.0

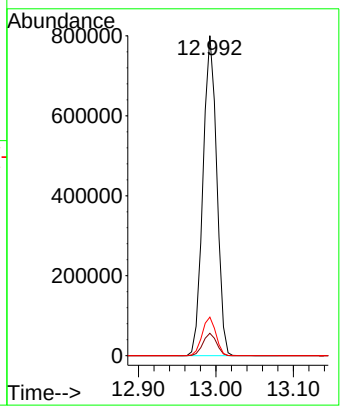




#79
Terphenyl-d14
Concen: 19.952 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:244 Resp: 98678

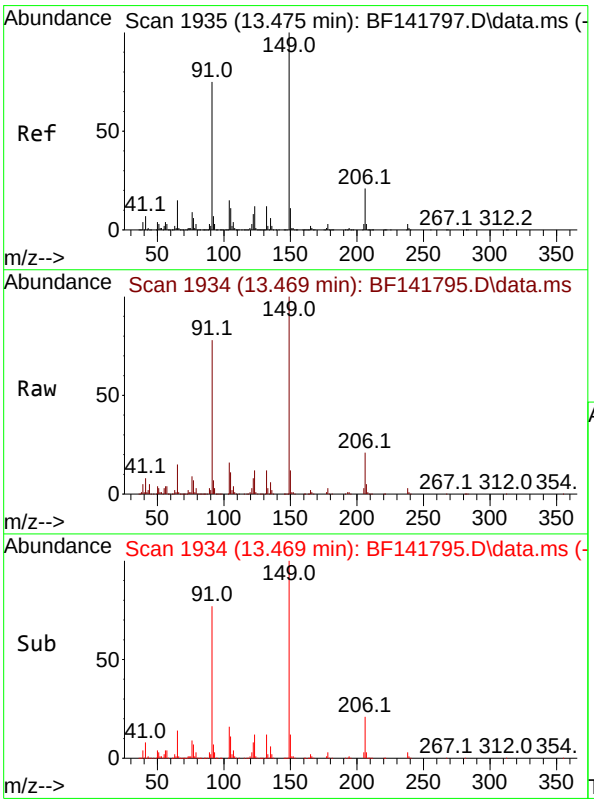
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	12.1	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

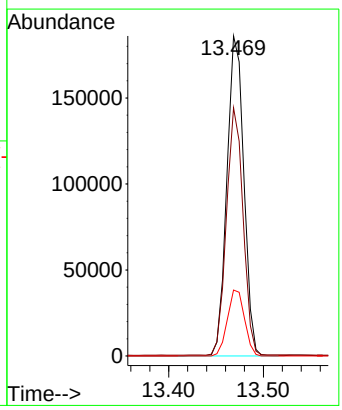
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

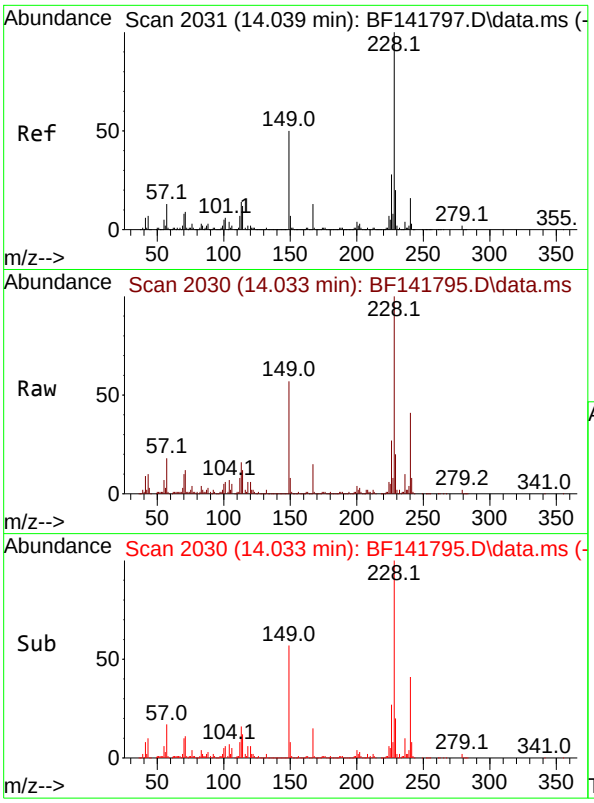


#80
Butylbenzylphthalate
Concen: 9.194 ng
RT: 13.469 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:149 Resp: 231474

Ion	Ratio	Lower	Upper
149	100		
91	77.5	60.1	90.1
206	20.6	16.8	25.2





#81
Benzo(a)anthracene
Concen: 10.496 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

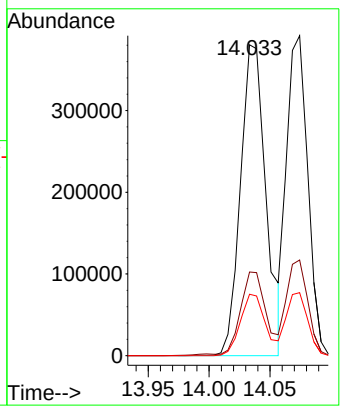
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

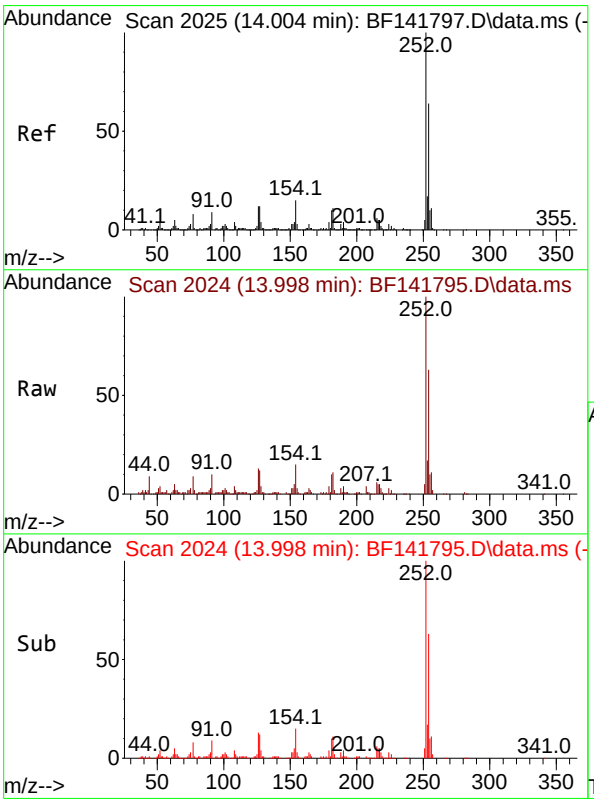
Tgt Ion:228 Resp: 55477

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.1	33.1
229	19.8	16.1	24.1

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

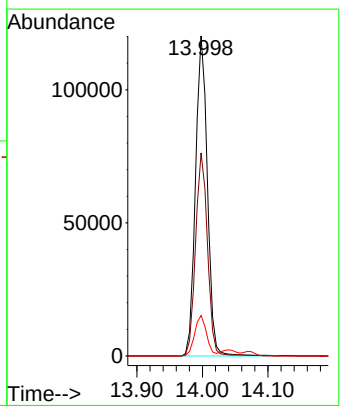


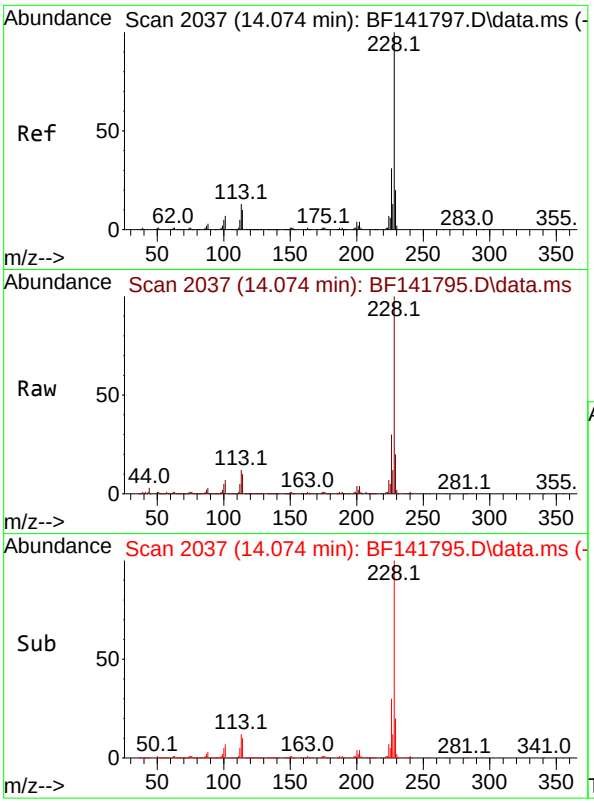


#82
3,3'-Dichlorobenzidine
Concen: 10.033 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:252 Resp: 152147

Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.4	77.0
126	12.7	9.8	14.6

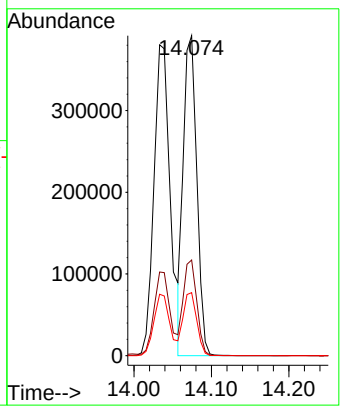




#83
Chrysene
Concen: 9.721 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:228 Resp: 47361

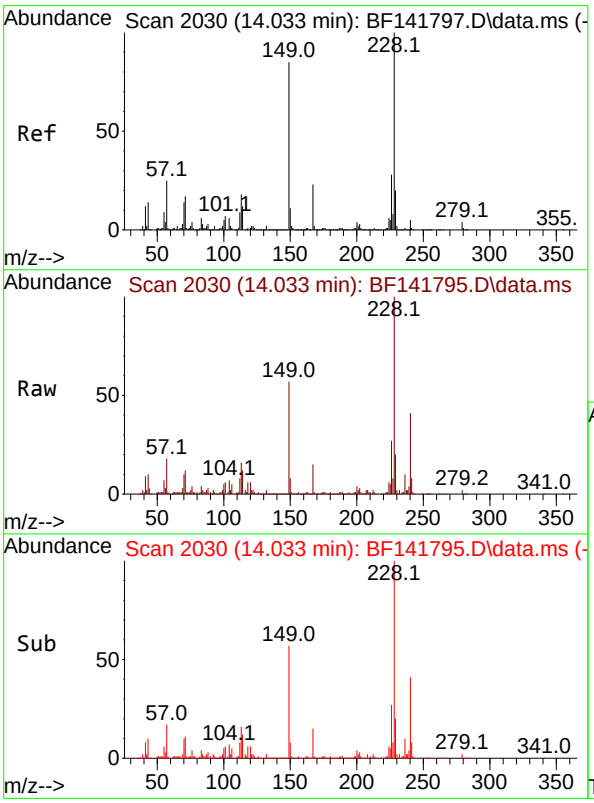
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0
229	19.7	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

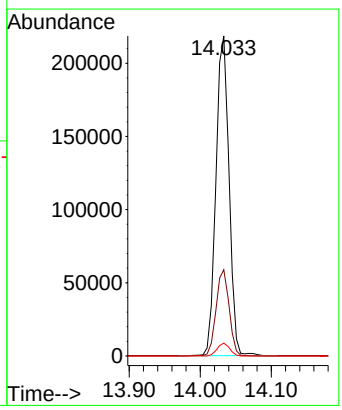
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

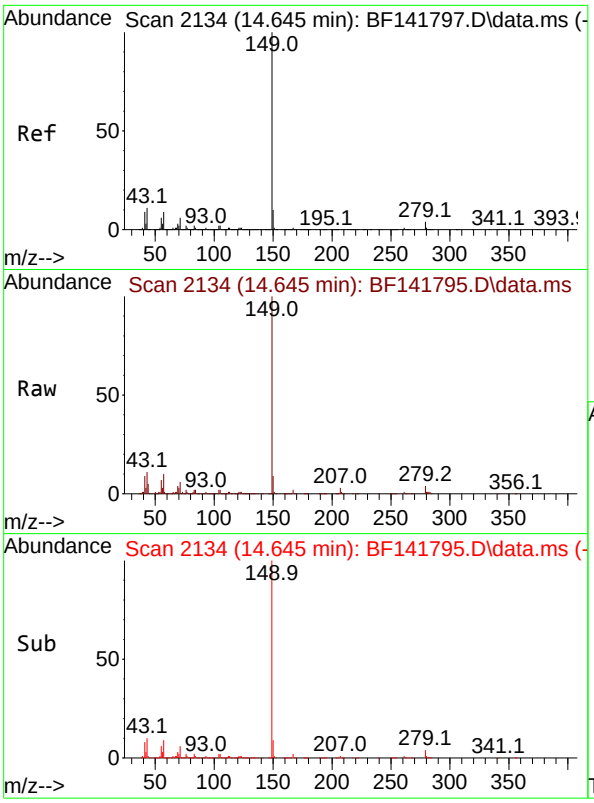


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.884 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:149 Resp: 278482

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.2	31.8
279	4.0	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 7.857 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

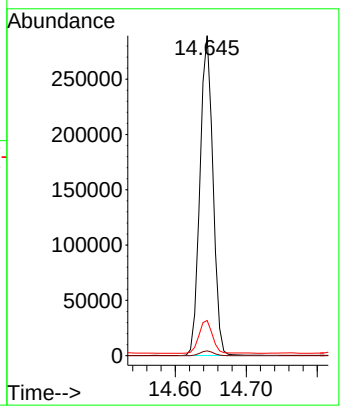
Tgt Ion:149 Resp: 36871

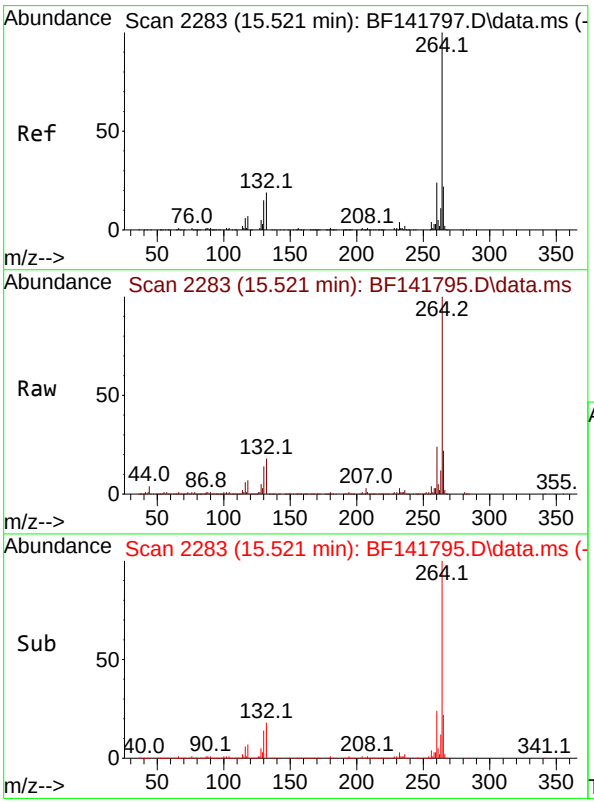
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.8	8.6	12.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

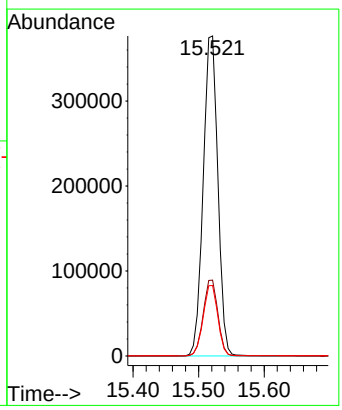


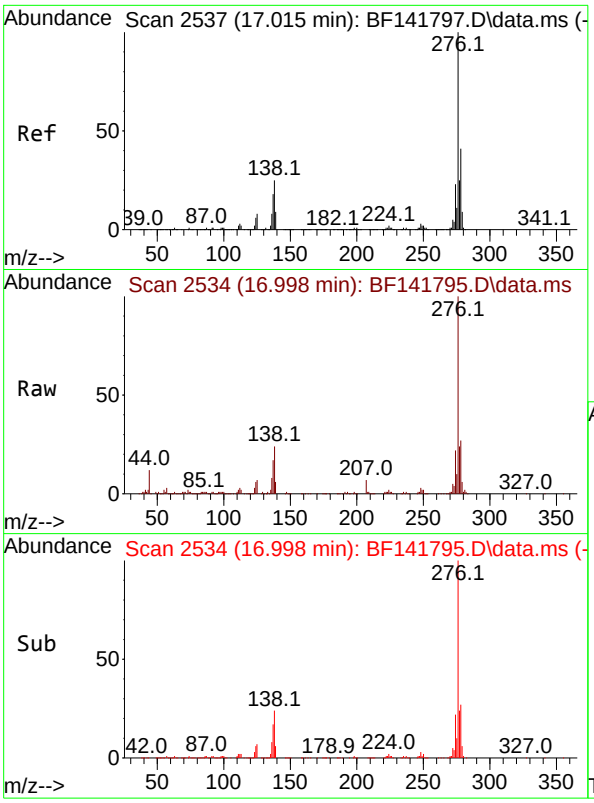


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:264 Resp: 586419

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.0	17.4	26.0

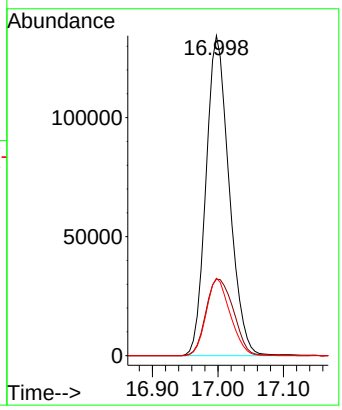




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.838 ng
RT: 16.998 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:276 Resp: 33001

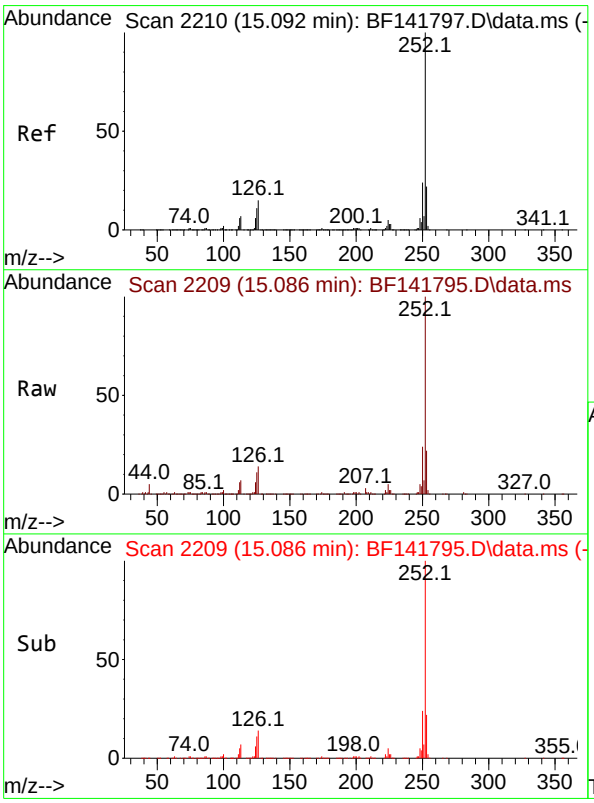
Ion	Ratio	Lower	Upper
276	100		
138	28.6	22.5	33.7
277	25.0	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

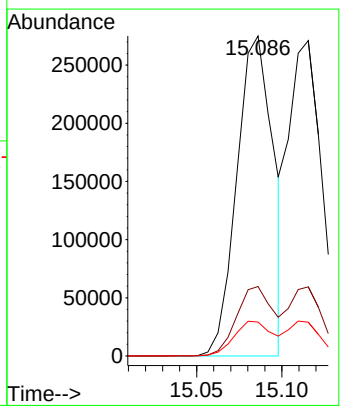
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

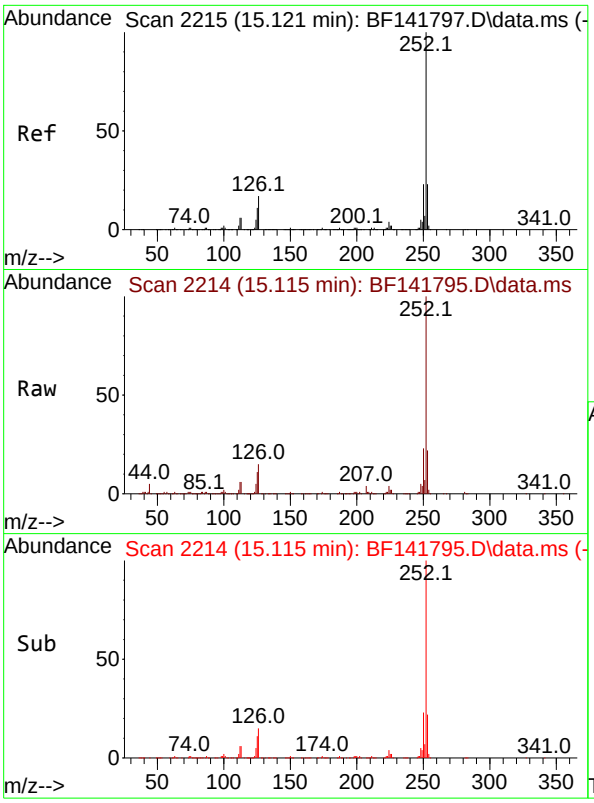


#88
Benzo(b)fluoranthene
Concen: 10.250 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:252 Resp: 409420

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	10.6	8.6	13.0

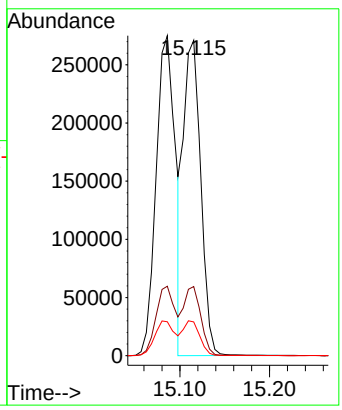




#89
Benzo(k)fluoranthene
Concen: 10.707 ng
RT: 15.115 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:252 Resp: 36351

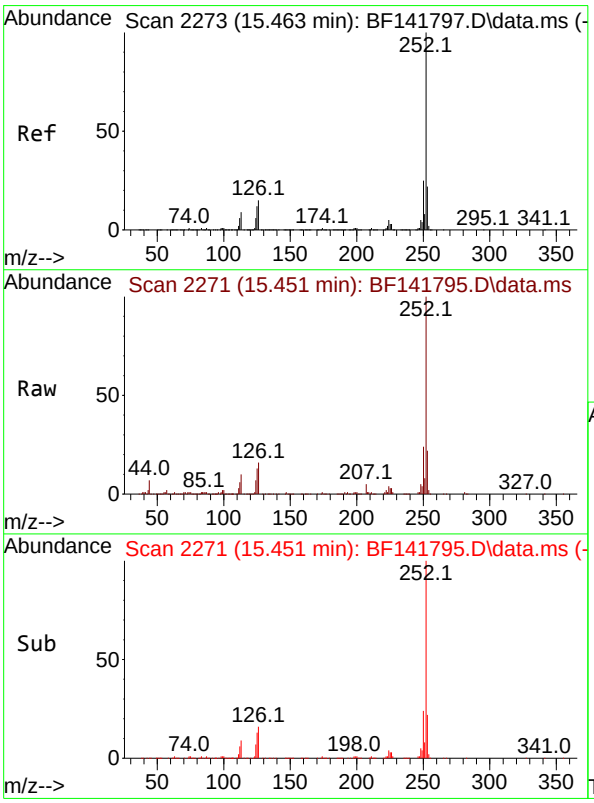
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	10.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

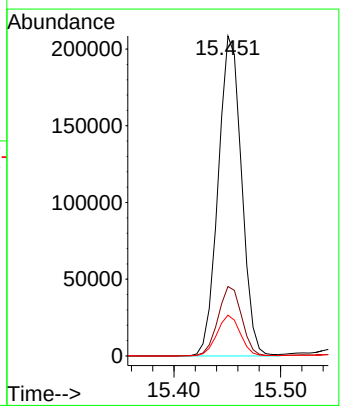
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

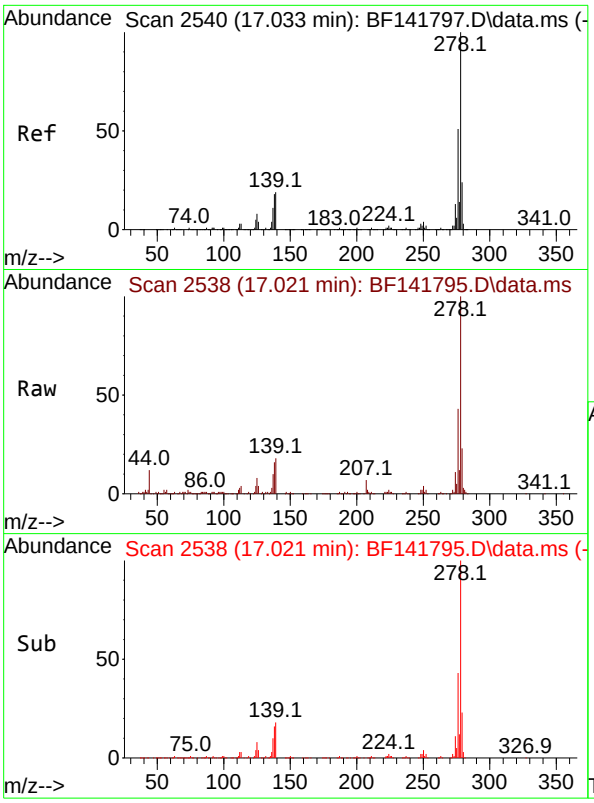


#90
Benzo(a)pyrene
Concen: 9.913 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:252 Resp: 317564

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	12.8	9.4	14.2

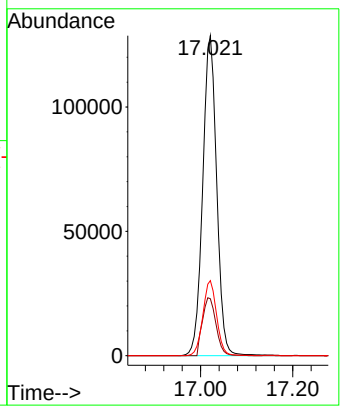




#91
Dibenzo(a,h)anthracene
Concen: 8.954 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:278 Resp: 27291

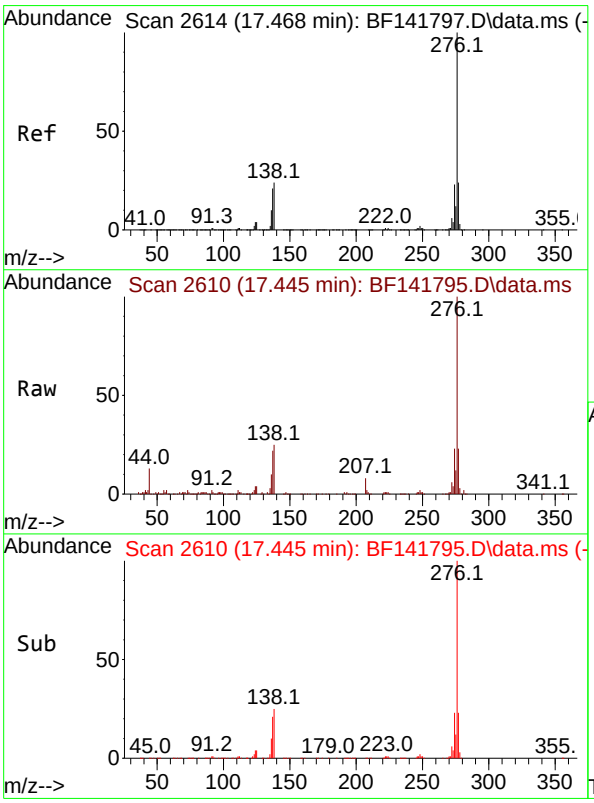
Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.9	22.3
279	23.4	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

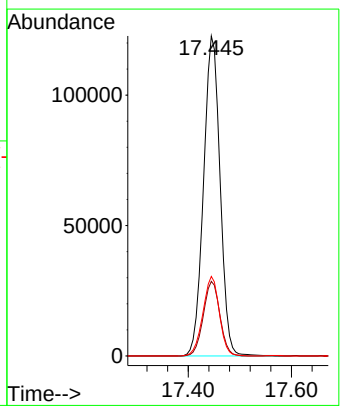
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#92
Benzo(g,h,i)perylene
Concen: 8.724 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.024 min
Lab File: BF141795.D
Acq: 27 Feb 2025 16:16

Tgt Ion:276 Resp: 272428

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.4	29.0
138	24.9	19.3	28.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141796.D
Acq On : 27 Feb 2025 16:46
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:24:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	282585	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	1143337	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	626338	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	1041715	20.000	ng		0.00
76) Chrysene-d12	14.045	240	688606	20.000	ng		0.00
86) Perylene-d12	15.521	264	539147	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	749674	42.367	ng		0.00
7) Phenol-d6	6.498	99	976719	42.408	ng		-0.01
23) Nitrobenzene-d5	7.445	82	726034	40.590	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	235147	39.990	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	1686318	43.170	ng		0.00
79) Terphenyl-d14	12.992	244	1785806	41.959	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.681	88	162630	20.255	ng		100
3) Pyridine	3.446	79	419991	21.024	ng		99
4) n-Nitrosodimethylamine	3.387	42	194836	20.270	ng		99
6) Aniline	6.551	93	510018	21.416	ng		99
8) 2-Chlorophenol	6.669	128	406583	21.241	ng		99
9) Benzaldehyde	6.440	77	289246	21.590	ng		99
10) Phenol	6.516	94	527399m	21.493	ng		
11) bis(2-Chloroethyl)ether	6.622	93	393290	20.964	ng		99
12) 1,3-Dichlorobenzene	6.828	146	435544	21.247	ng		99
13) 1,4-Dichlorobenzene	6.904	146	437770	21.195	ng		100
14) 1,2-Dichlorobenzene	7.057	146	416995	21.620	ng		99
15) Benzyl Alcohol	7.022	79	388176	21.089	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	607289	21.316	ng		99
17) 2-Methylphenol	7.128	107	329265	20.839	ng		99
18) Hexachloroethane	7.404	117	162363	21.002	ng		98
19) n-Nitroso-di-n-propyla...	7.293	70	316487	20.904	ng		99
20) 3+4-Methylphenols	7.281	107	425612	21.633	ng		98
22) Acetophenone	7.293	105	585913	21.041	ng	#	97
24) Nitrobenzene	7.463	77	395521	20.649	ng		97
25) Isophorone	7.704	82	789349	20.541	ng		99
26) 2-Nitrophenol	7.781	139	132844	18.604	ng		98
27) 2,4-Dimethylphenol	7.810	122	292966	20.740	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	513944	20.966	ng		99
29) 2,4-Dichlorophenol	8.016	162	338122	20.749	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	374188	20.955	ng		99
31) Naphthalene	8.192	128	1258082	21.409	ng		99
32) Benzoic acid	7.898	122	165613	19.487	ng		98
33) 4-Chloroaniline	8.234	127	454568	21.097	ng		100
34) Hexachlorobutadiene	8.310	225	230541	20.776	ng		98
35) Caprolactam	8.587	113	102898	20.521	ng		99
36) 4-Chloro-3-methylphenol	8.704	107	376094	20.776	ng		99
37) 2-Methylnaphthalene	8.881	142	826497	21.443	ng		99
38) 1-Methylnaphthalene	8.981	142	796808	21.545	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	377360	20.861	ng		99
41) Hexachlorocyclopentadiene	9.034	237	158105	20.943	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	238591	20.419	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141796.D
Acq On : 27 Feb 2025 16:46
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:24:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	242709	20.976	ng		99
46) 1,1'-Biphenyl	9.345	154	1021081	21.418	ng		99
47) 2-Chloronaphthalene	9.369	162	752142	21.375	ng		99
48) 2-Nitroaniline	9.457	65	153869	18.870	ng		97
49) Acenaphthylene	9.786	152	1126303	21.349	ng		99
50) Dimethylphthalate	9.645	163	879870	20.977	ng		100
51) 2,6-Dinitrotoluene	9.704	165	144673	19.796	ng		98
52) Acenaphthene	9.957	154	749963	21.068	ng		99
53) 3-Nitroaniline	9.869	138	152114	19.664	ng	#	99
54) 2,4-Dinitrophenol	9.969	184	41521	19.116	ng	#	1
55) Dibenzofuran	10.128	168	1105278	21.332	ng		99
56) 4-Nitrophenol	10.010	139	123415	19.922	ng		98
57) 2,4-Dinitrotoluene	10.104	165	165949	19.214	ng		98
58) Fluorene	10.469	166	822264	21.187	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	210339	20.902	ng		99
60) Diethylphthalate	10.345	149	894118	21.264	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	409697	21.069	ng		99
62) 4-Nitroaniline	10.481	138	143482	20.031	ng		98
63) Azobenzene	10.622	77	942499	21.288	ng		99
65) 4,6-Dinitro-2-methylph...	10.510	198	65163	19.161	ng		97
66) n-Nitrosodiphenylamine	10.581	169	717531	20.977	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	248503	20.423	ng		98
68) Hexachlorobenzene	11.016	284	265367	20.653	ng		97
69) Atrazine	11.104	200	203939	21.680	ng		99
70) Pentachlorophenol	11.210	266	167231	20.521	ng		99
71) Phenanthrene	11.433	178	1181769	21.209	ng		99
72) Anthracene	11.486	178	1203701	21.554	ng		99
73) Carbazole	11.639	167	1056147	21.416	ng		99
74) Di-n-butylphthalate	11.975	149	1345098	21.518	ng		99
75) Fluoranthene	12.622	202	1242031	21.753	ng		99
77) Benzidine	12.739	184	136521	15.752	ng		99
78) Pyrene	12.851	202	1249647	20.957	ng		99
80) Butylbenzylphthalate	13.469	149	442702	20.434	ng		98
81) Benzo(a)anthracene	14.039	228	953146	20.956	ng		99
82) 3,3'-Dichlorobenzidine	13.998	252	262708	20.132	ng		100
83) Chrysene	14.074	228	850641	20.288	ng		100
84) Bis(2-ethylhexyl)phtha...	14.033	149	542812	20.122	ng		100
85) Di-n-octyl phthalate	14.645	149	763685	18.910	ng		100
87) Indeno(1,2,3-cd)pyrene	17.004	276	668777	19.480	ng		99
88) Benzo(b)fluoranthene	15.086	252	826369	22.501	ng		100
89) Benzo(k)fluoranthene	15.116	252	592250	18.973	ng		99
90) Benzo(a)pyrene	15.457	252	610871	20.740	ng		99
91) Dibenzo(a,h)anthracene	17.027	278	552725	19.724	ng		98
92) Benzo(g,h,i)perylene	17.451	276	557705	19.426	ng		100

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

ICAL Form

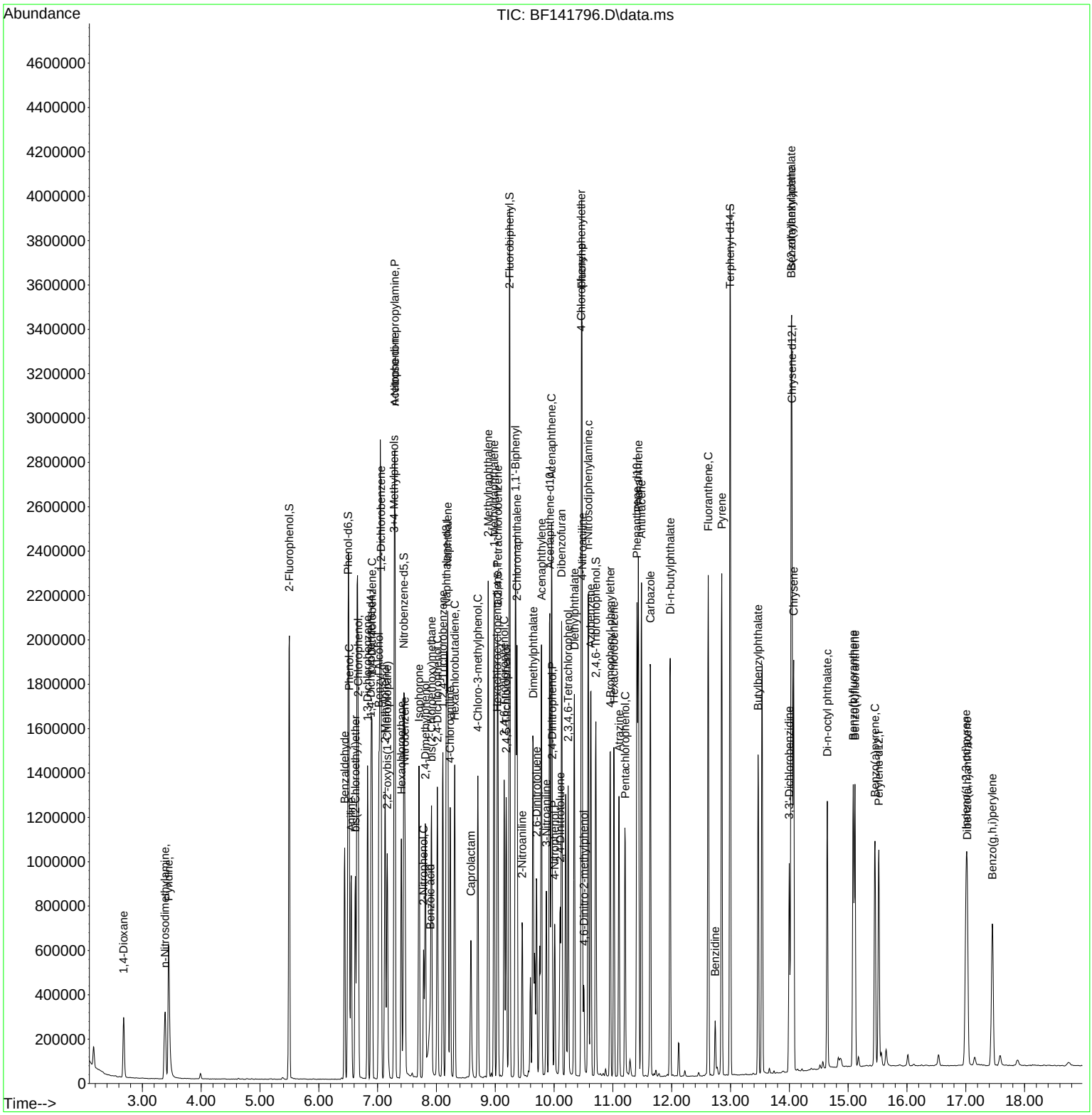
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141796.D
Acq On : 27 Feb 2025 16:46
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

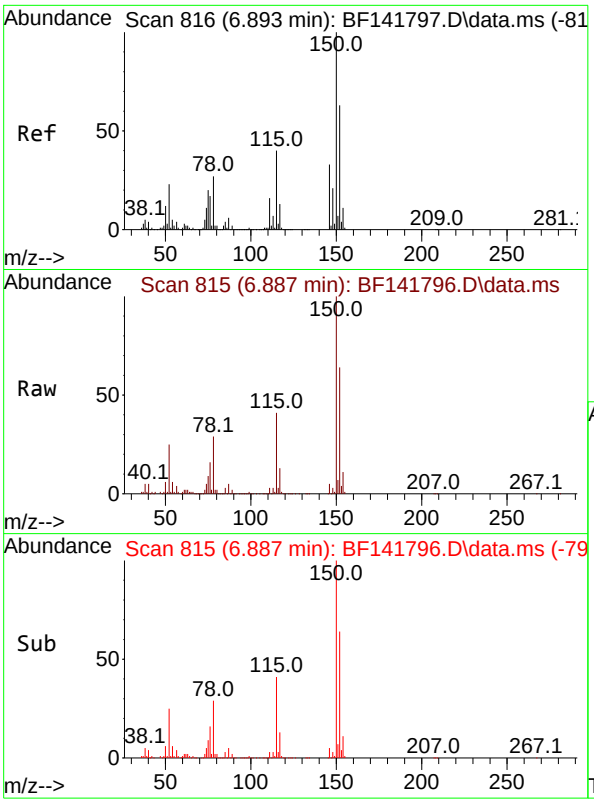
Quant Time: Feb 28 01:24:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

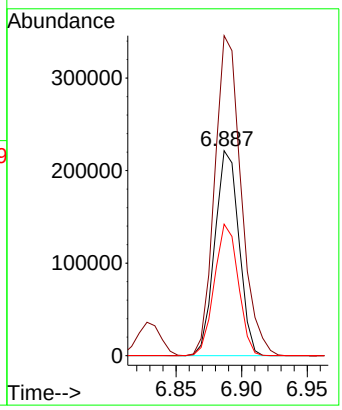




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:152 Resp: 28258

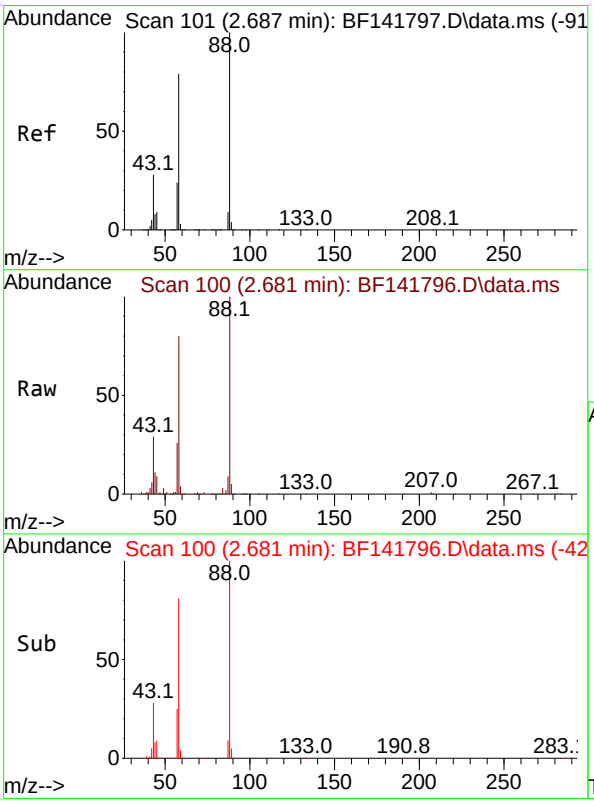
Ion	Ratio	Lower	Upper
152	100		
150	156.1	127.5	191.3
115	64.2	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

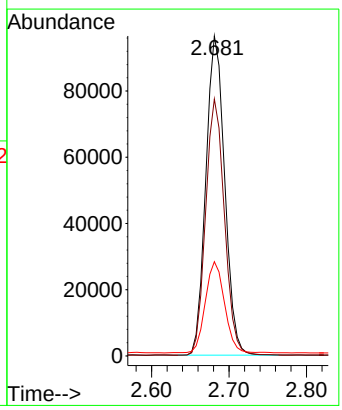
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

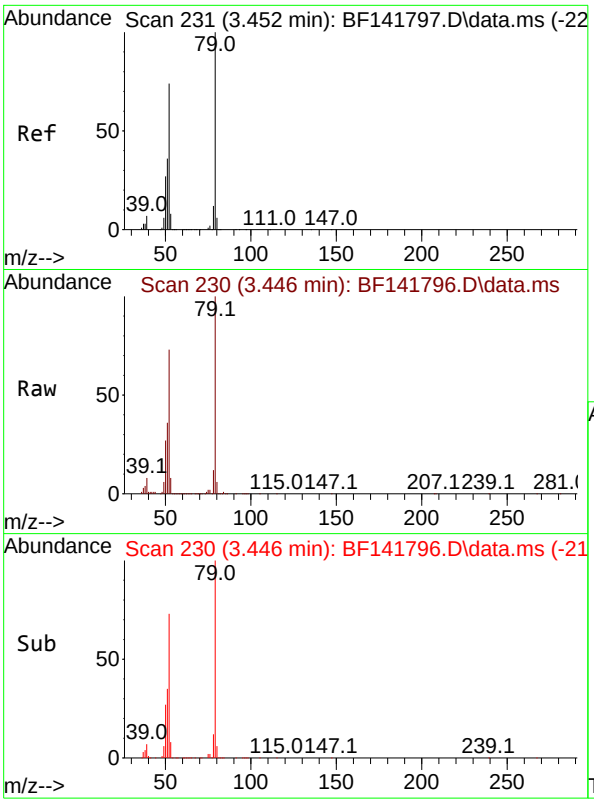


#2
1,4-Dioxane
Concen: 20.255 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 88 Resp: 162630

Ion	Ratio	Lower	Upper
88	100		
58	80.0	63.9	95.9
43	29.0	23.0	34.6

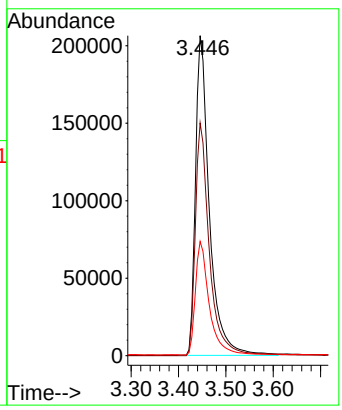




#3
Pyridine
Concen: 21.024 ng
RT: 3.446 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 79 Resp: 41999

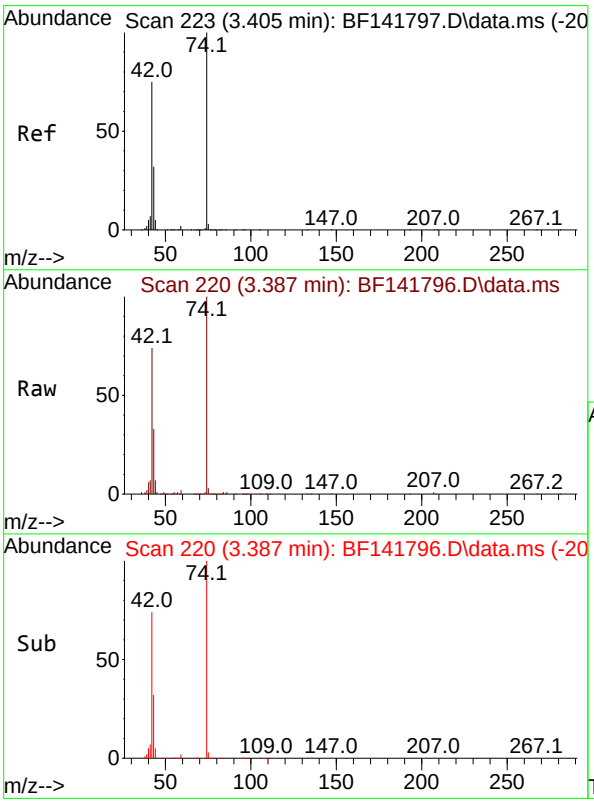
Ion	Ratio	Lower	Upper
79	100		
52	72.7	59.0	88.4
51	35.7	29.0	43.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

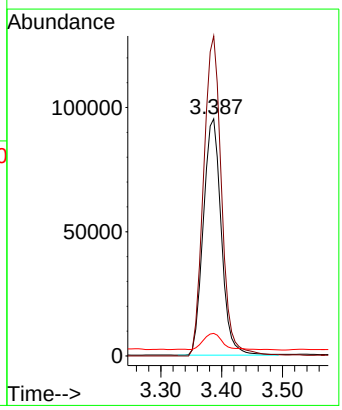
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

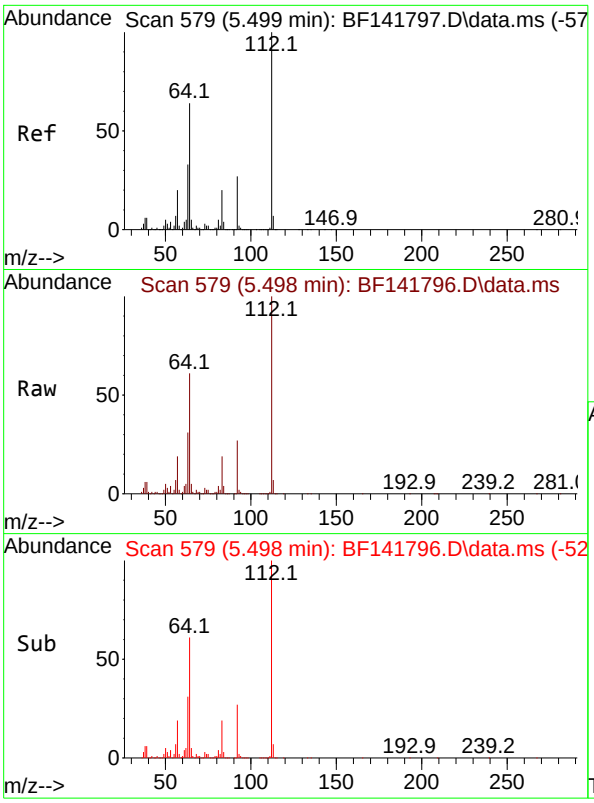


#4
n-Nitrosodimethylamine
Concen: 20.270 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.018 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 42 Resp: 194836

Ion	Ratio	Lower	Upper
42	100		
74	135.0	107.1	160.7
44	9.5	6.6	9.8

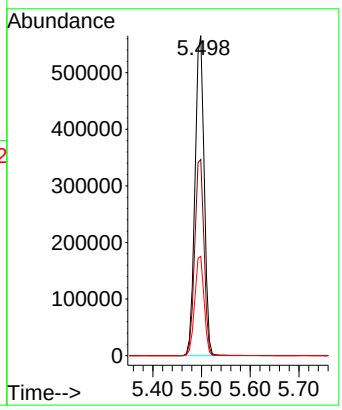




#5
2-Fluorophenol
Concen: 42.367 ng
RT: 5.498 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:112 Resp: 74967

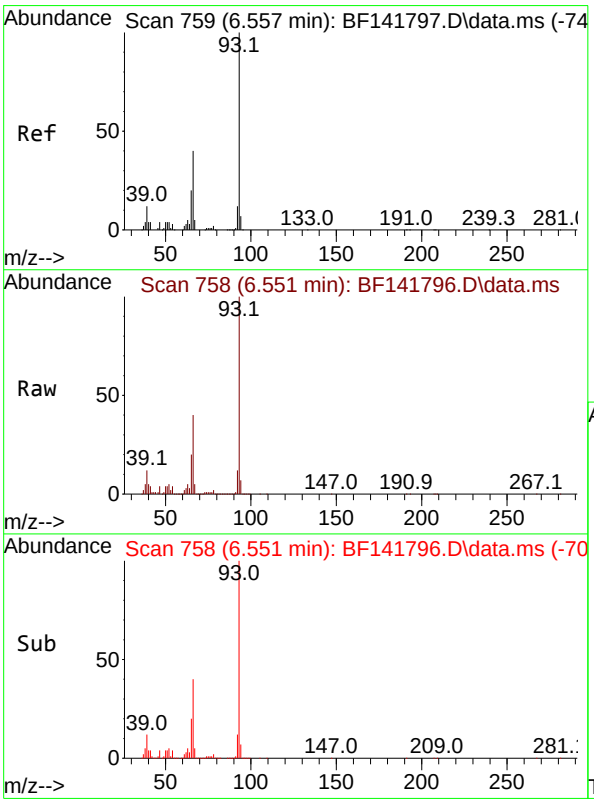
Ion	Ratio	Lower	Upper
112	100		
64	61.3	51.3	76.9
63	31.1	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

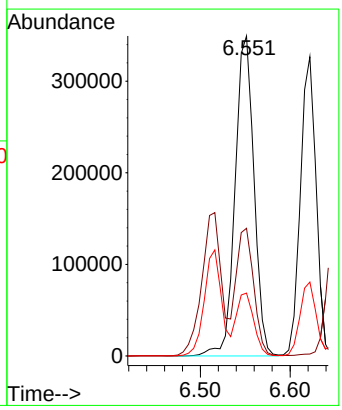
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

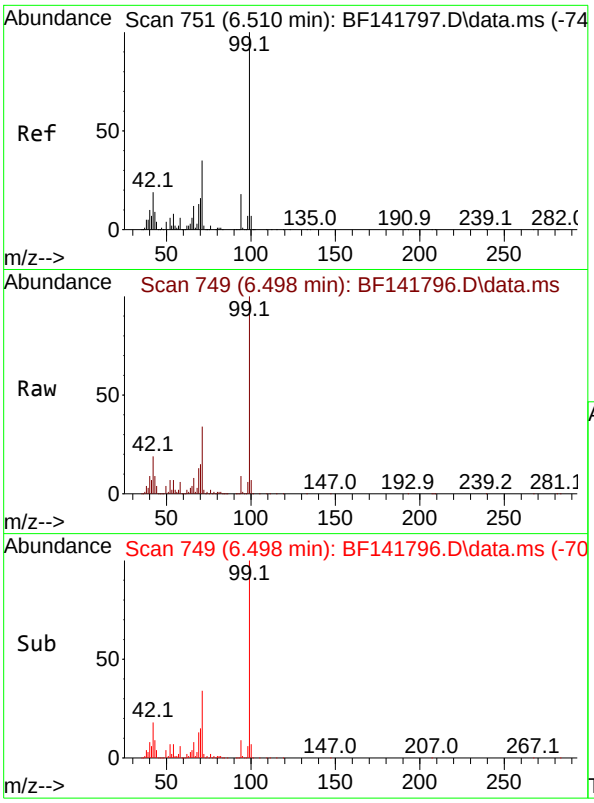


#6
Aniline
Concen: 21.416 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 93 Resp: 510018

Ion	Ratio	Lower	Upper
93	100		
66	39.9	32.3	48.5
65	19.7	15.9	23.9

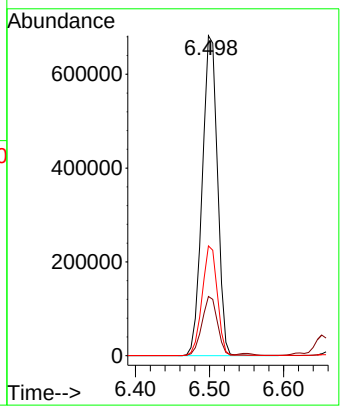




#7
Phenol-d6
Concen: 42.408 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 99 Resp: 97671

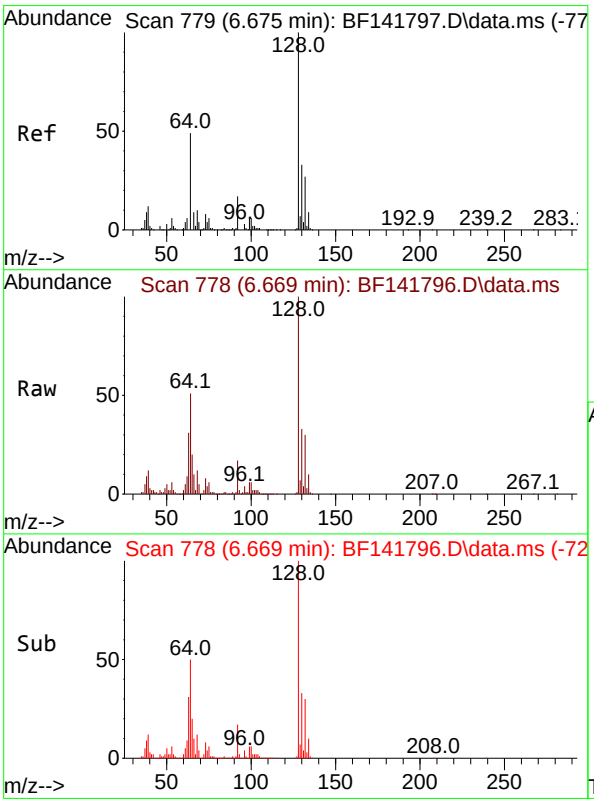
Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.2	22.8
71	34.3	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

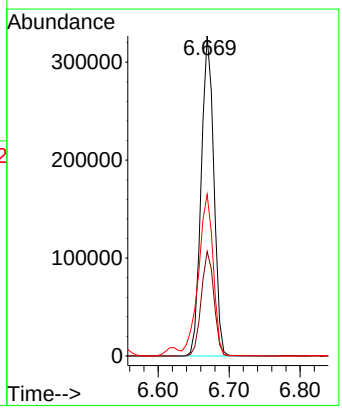
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

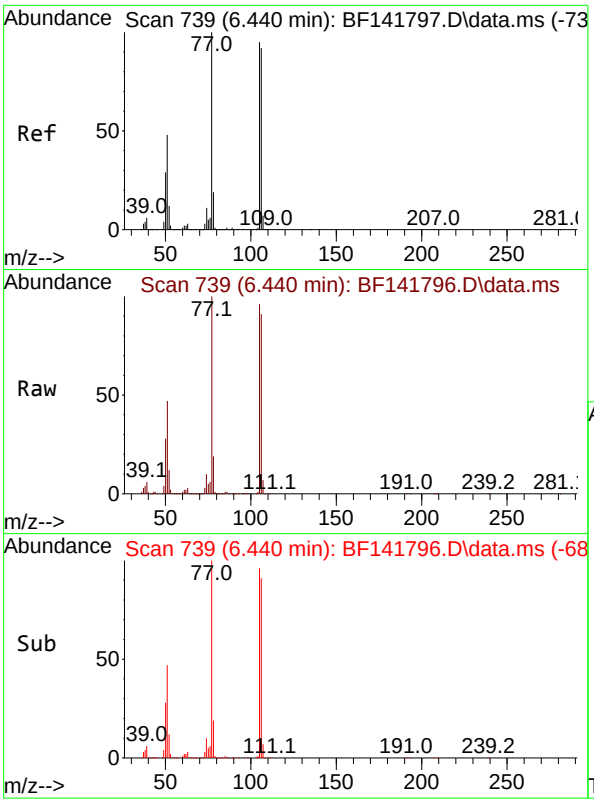


#8
2-Chlorophenol
Concen: 21.241 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:128 Resp: 406583

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	50.5	31.1	71.1

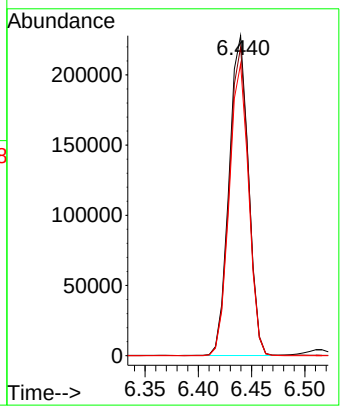




#9
Benzaldehyde
Concen: 21.590 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 77 Resp: 28924

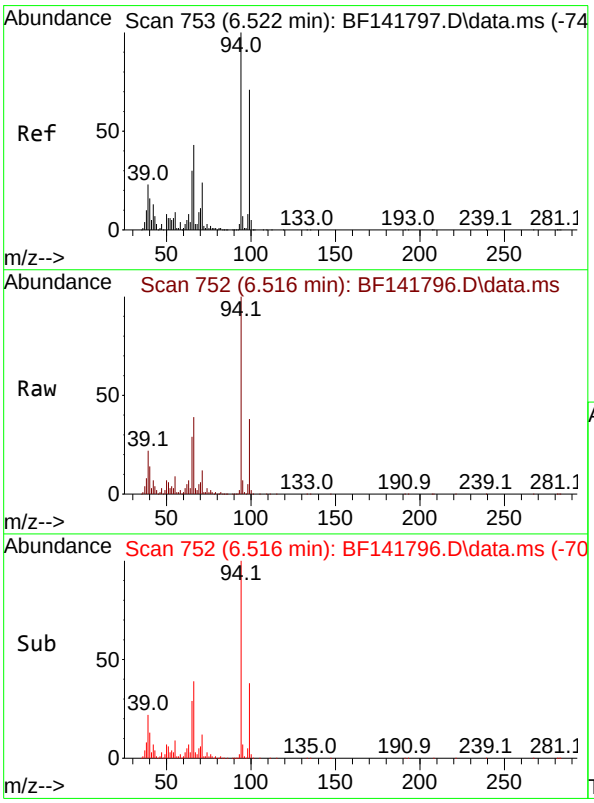
Ion	Ratio	Lower	Upper
77	100		
105	96.4	75.3	115.3
106	91.1	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

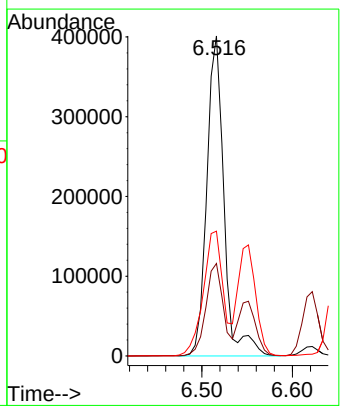
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

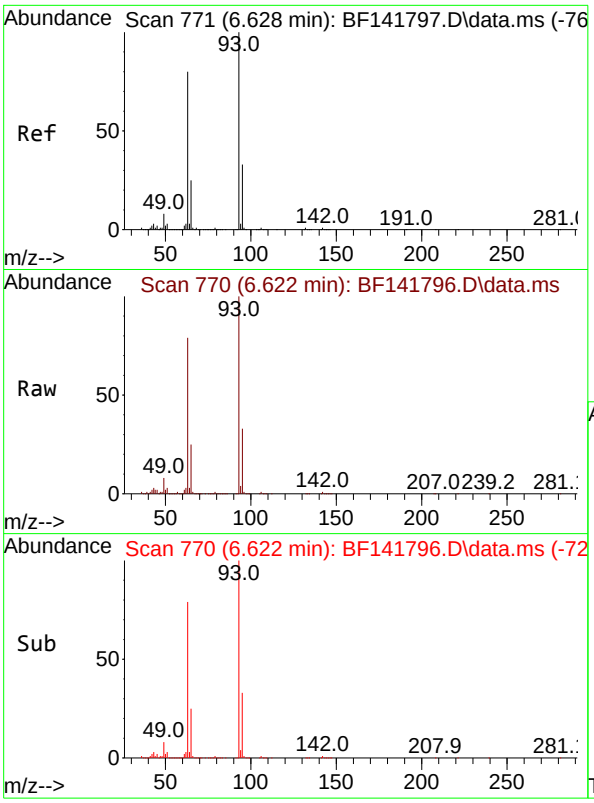


#10
Phenol
Concen: 21.493 ng m
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 94 Resp: 527399

Ion	Ratio	Lower	Upper
94	100		
65	28.9	10.2	50.2
66	39.0	23.2	63.2

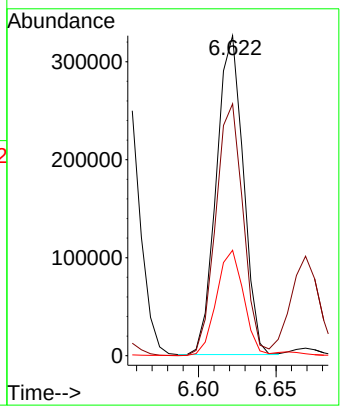




#11
bis(2-Chloroethyl)ether
Concen: 20.964 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 93 Resp: 39329

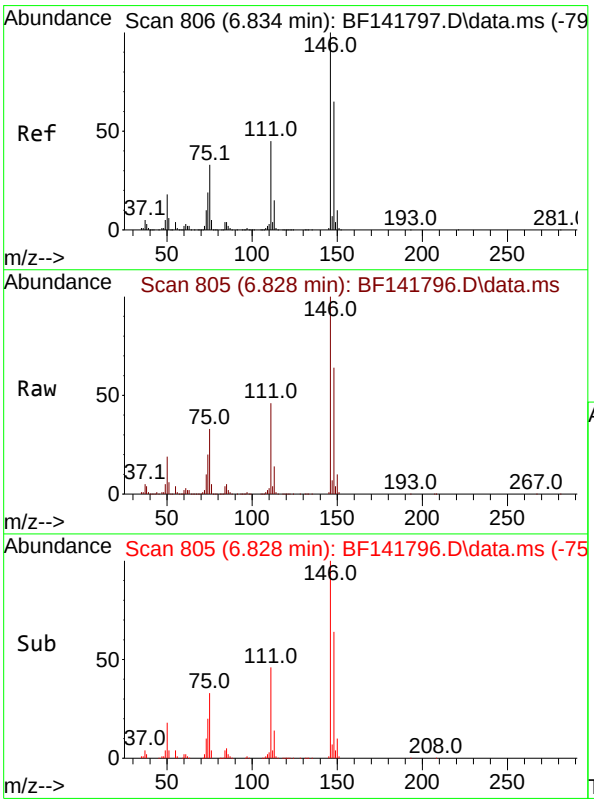
Ion	Ratio	Lower	Upper
93	100		
63	78.7	59.3	99.3
95	32.9	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

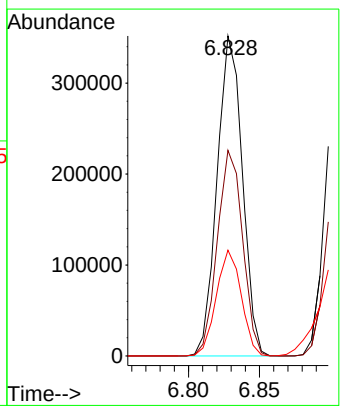
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

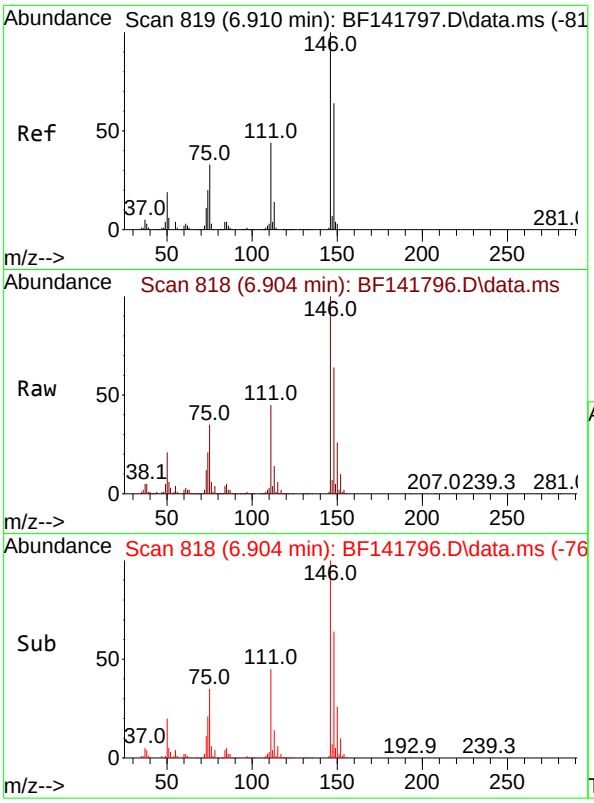


#12
1,3-Dichlorobenzene
Concen: 21.247 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:146 Resp: 435544

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.6
75	33.0	26.2	39.4

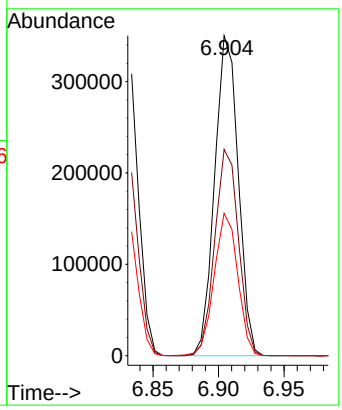




#13
1,4-Dichlorobenzene
Concen: 21.195 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:146 Resp: 43777

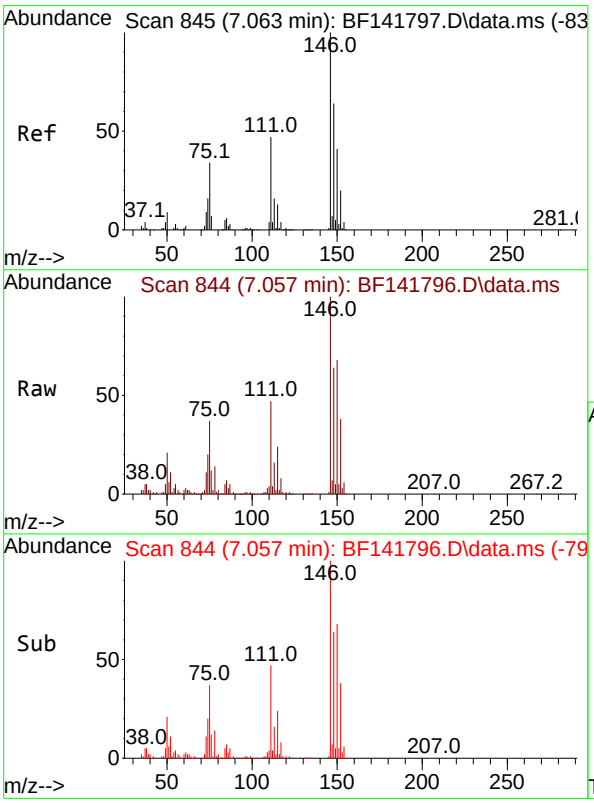
Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.2
111	44.5	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

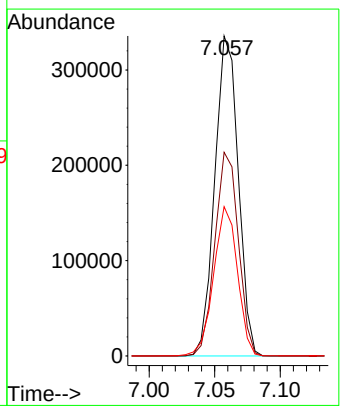
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

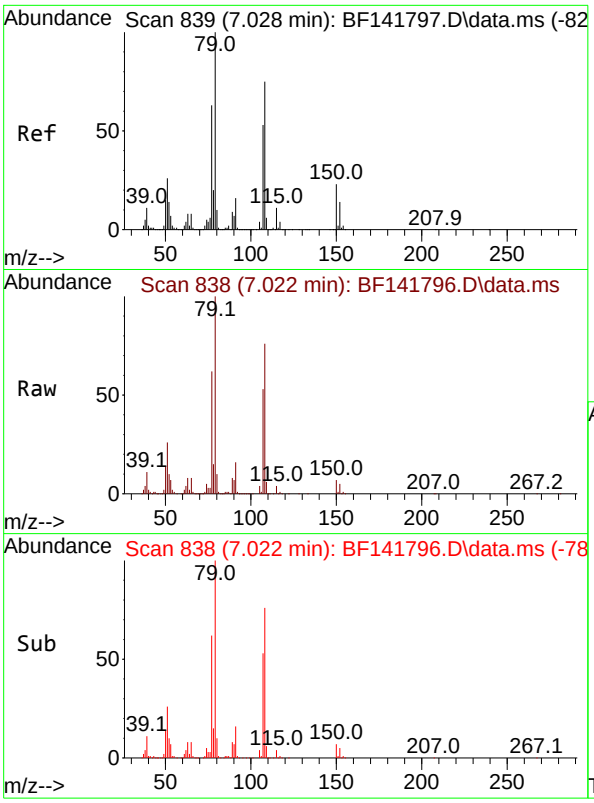


#14
1,2-Dichlorobenzene
Concen: 21.620 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:146 Resp: 416995

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.2	76.8
111	46.6	37.8	56.6

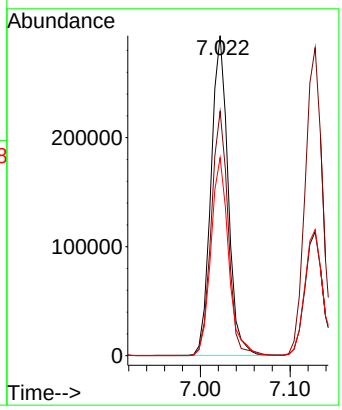




#15
Benzyl Alcohol
Concen: 21.089 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 79 Resp: 38817

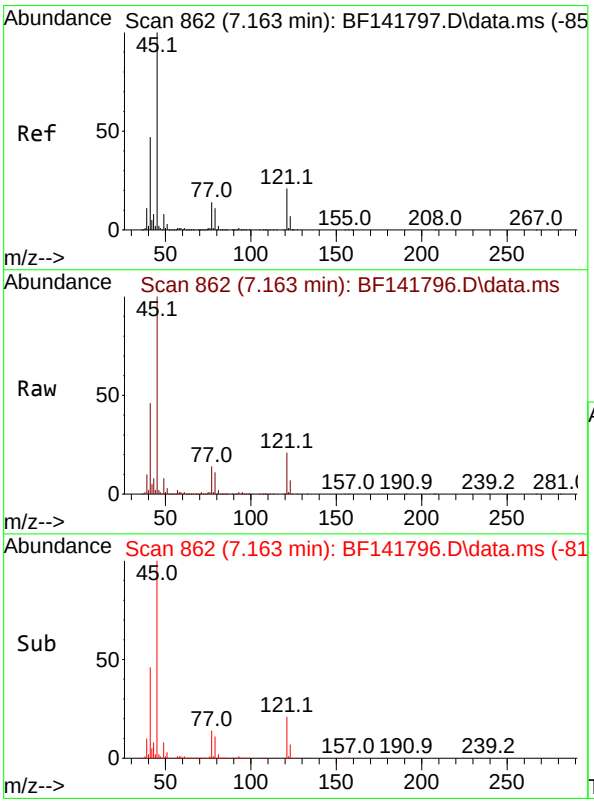
Ion	Ratio	Lower	Upper
79	100		
108	76.3	60.2	90.2
77	61.9	50.2	75.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

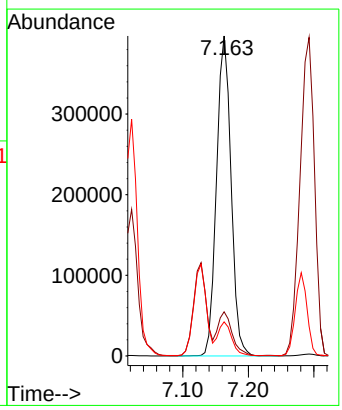
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

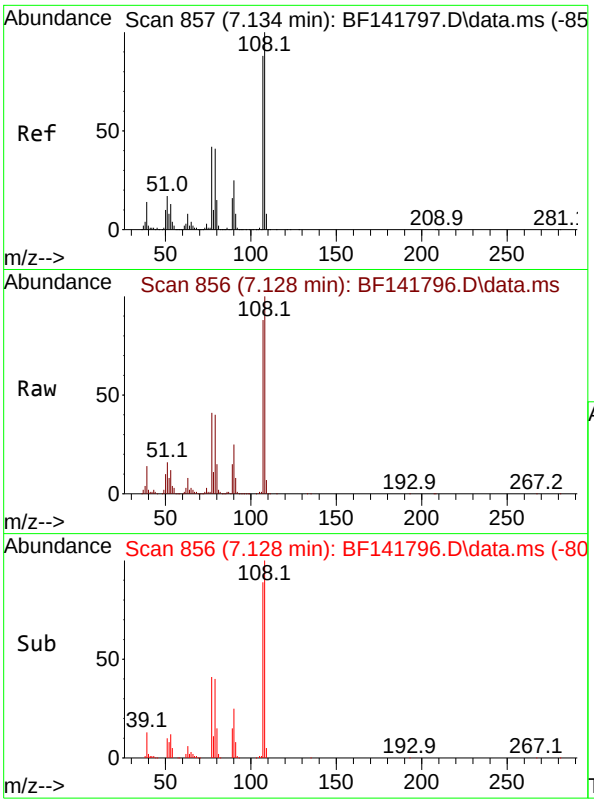


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.316 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 45 Resp: 607289

Ion	Ratio	Lower	Upper
45	100		
77	13.8	0.0	34.4
79	10.7	0.0	30.9

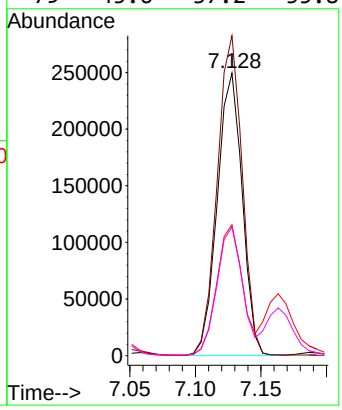




#17
2-Methylphenol
Concen: 20.839 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:107 Resp: 32926

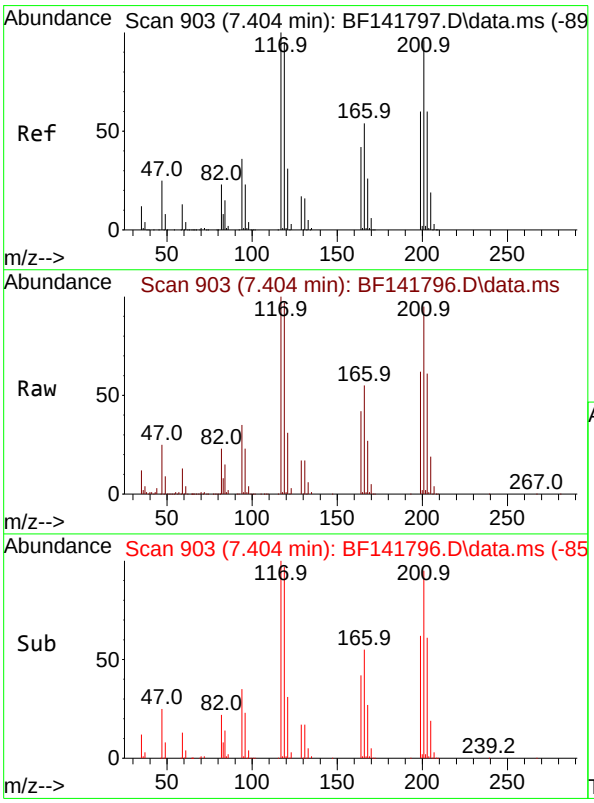
Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	135.8
77	46.4	37.7	56.5
79	45.6	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

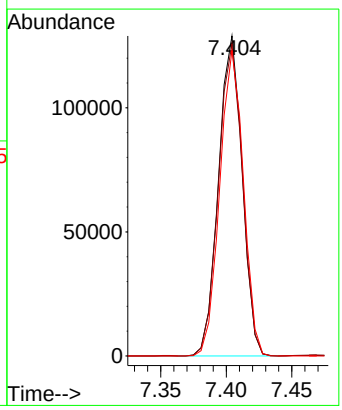
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

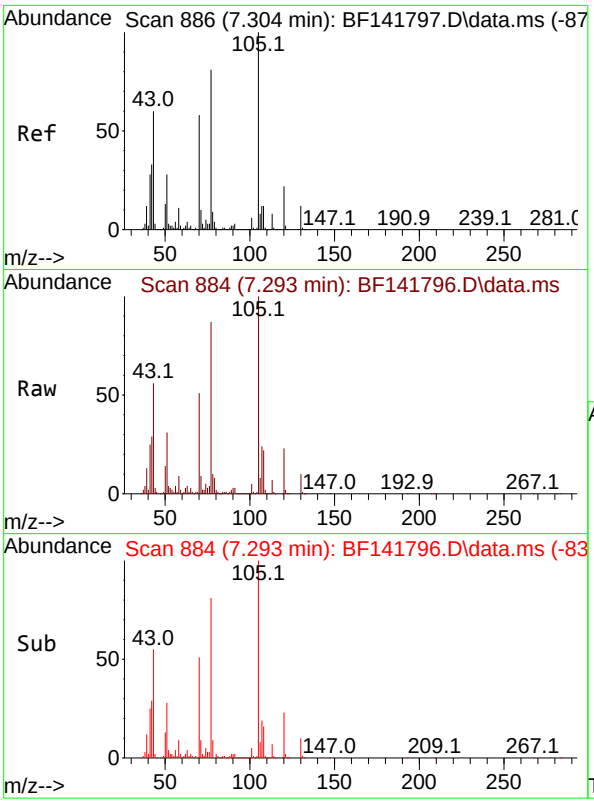


#18
Hexachloroethane
Concen: 21.002 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:117 Resp: 162363

Ion	Ratio	Lower	Upper
117	100		
119	97.5	75.8	113.8
201	95.4	76.7	115.1

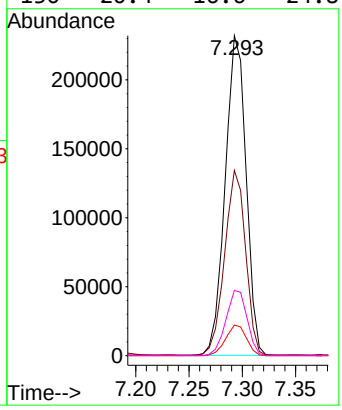




#19
n-Nitroso-di-n-propylamine
Concen: 20.904 ng
RT: 7.293 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 70 Resp: 31648

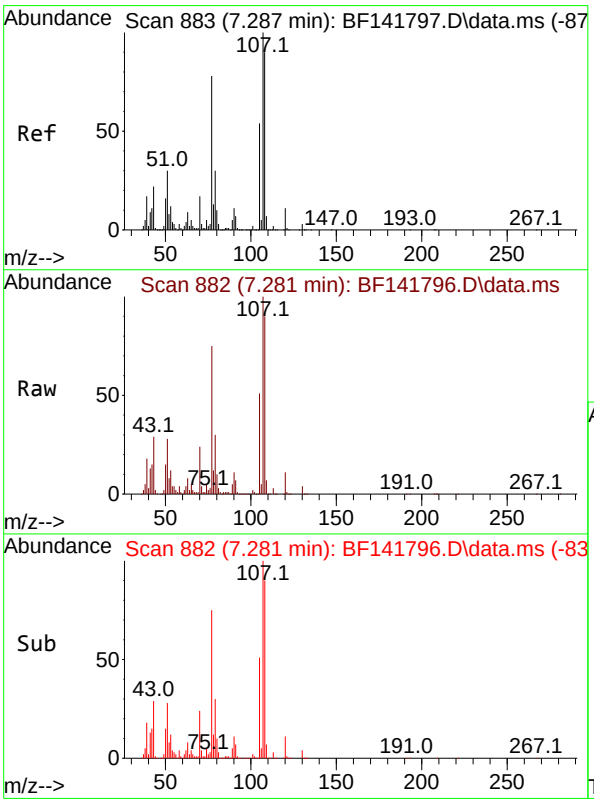
Ion	Ratio	Lower	Upper
70	100		
42	57.9	45.4	68.0
101	9.6	7.8	11.8
130	20.4	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

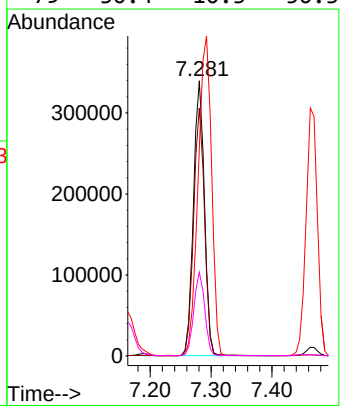
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

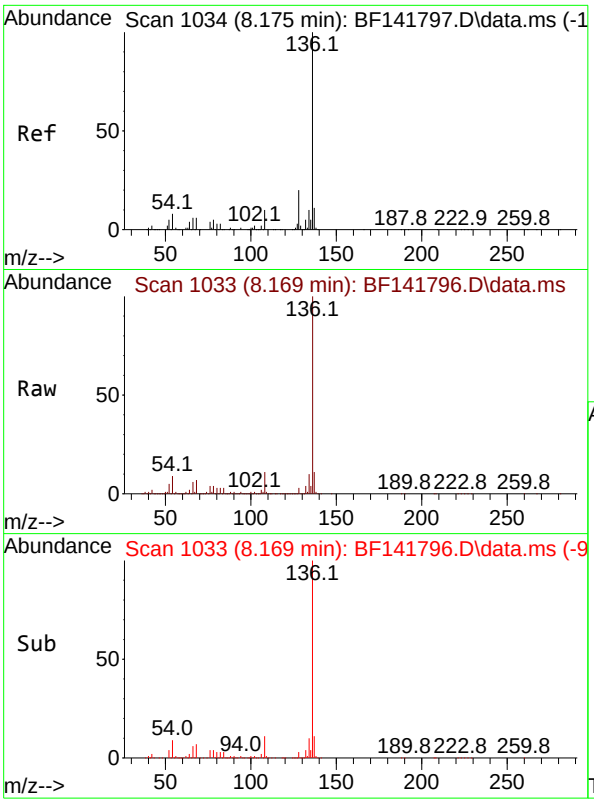


#20
3+4-Methylphenols
Concen: 21.633 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:107 Resp: 425612

Ion	Ratio	Lower	Upper
107	100		
108	90.1	69.7	109.7
77	75.5	58.3	98.3
79	30.4	10.3	50.3

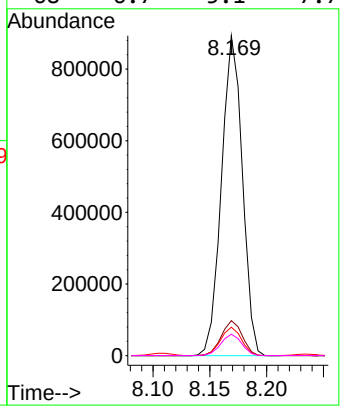




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:136 Resp: 114333

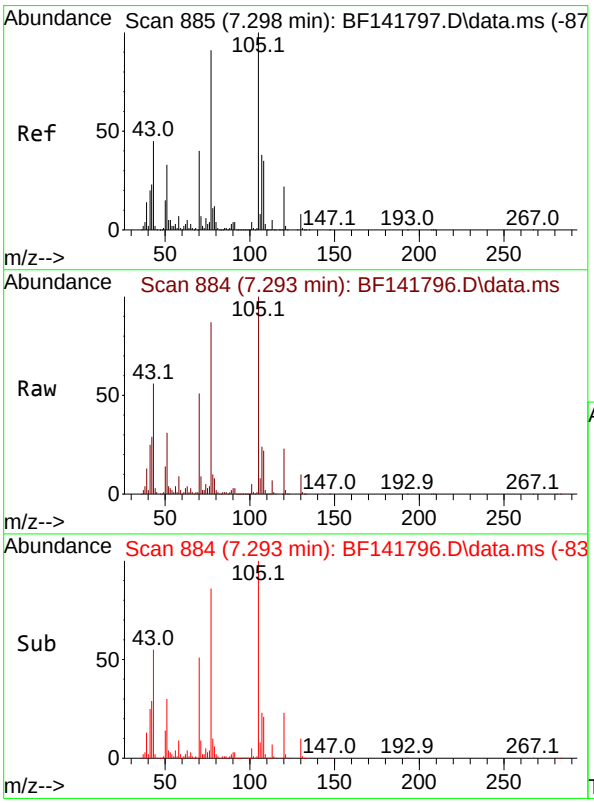
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.9	6.9	10.3
68	6.7	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

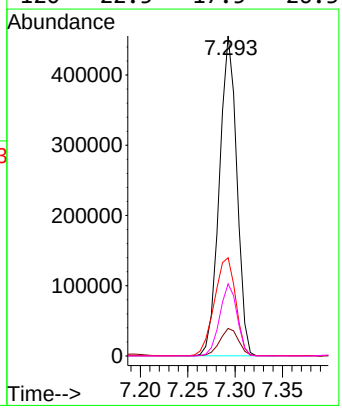
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

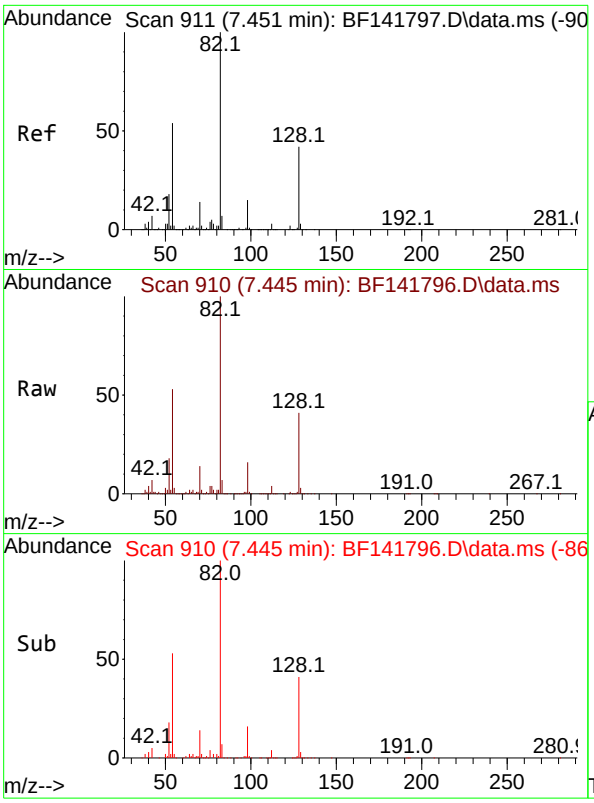


#22
Acetophenone
Concen: 21.041 ng
RT: 7.293 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:105 Resp: 585913

Ion	Ratio	Lower	Upper
105	100		
71	8.6	5.4	8.0#
51	30.7	26.1	39.1
120	22.5	17.5	26.3





#23
Nitrobenzene-d5
Concen: 40.590 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

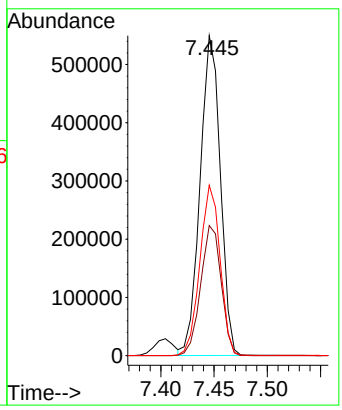
Tgt Ion: 82 Resp: 72603

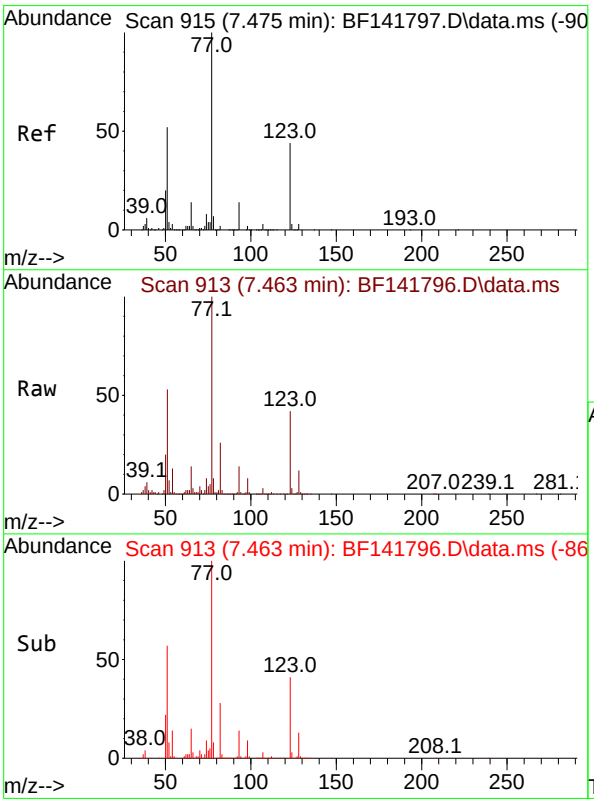
Ion	Ratio	Lower	Upper
82	100		
128	40.7	33.5	50.3
54	53.3	42.7	64.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

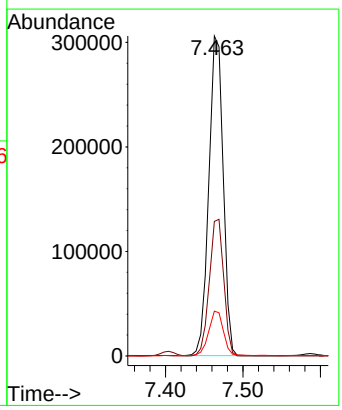


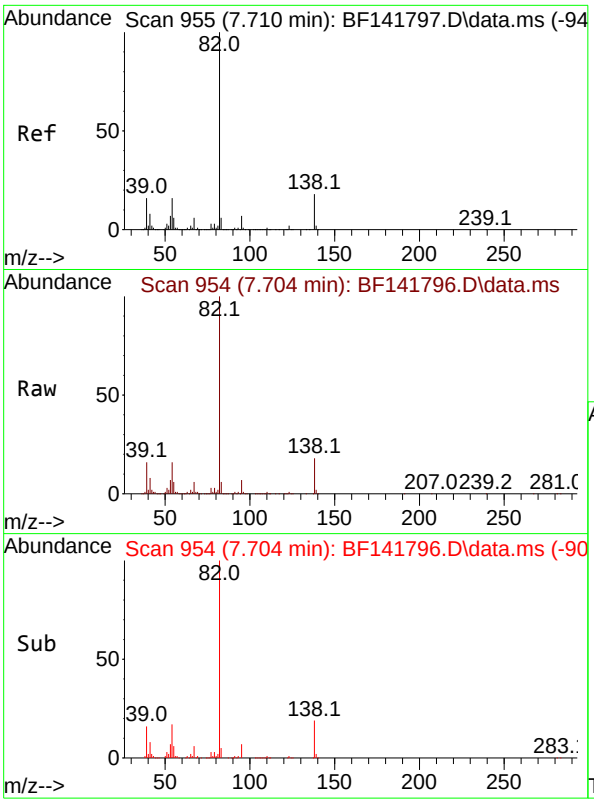


#24
Nitrobenzene
Concen: 20.649 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 77 Resp: 395521

Ion	Ratio	Lower	Upper
77	100		
123	42.1	35.8	53.8
65	14.0	11.2	16.8





#25
Isophorone
Concen: 20.541 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

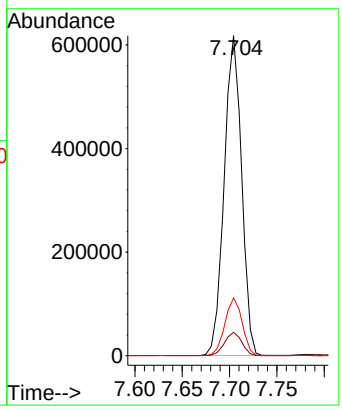
Tgt Ion: 82 Resp: 78934

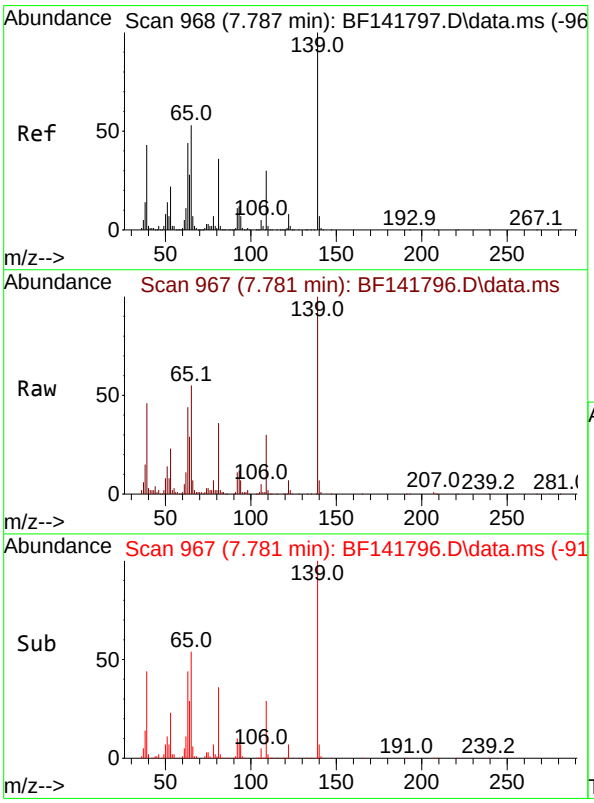
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	18.1	14.0	21.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

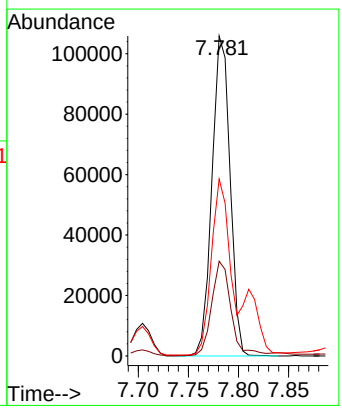


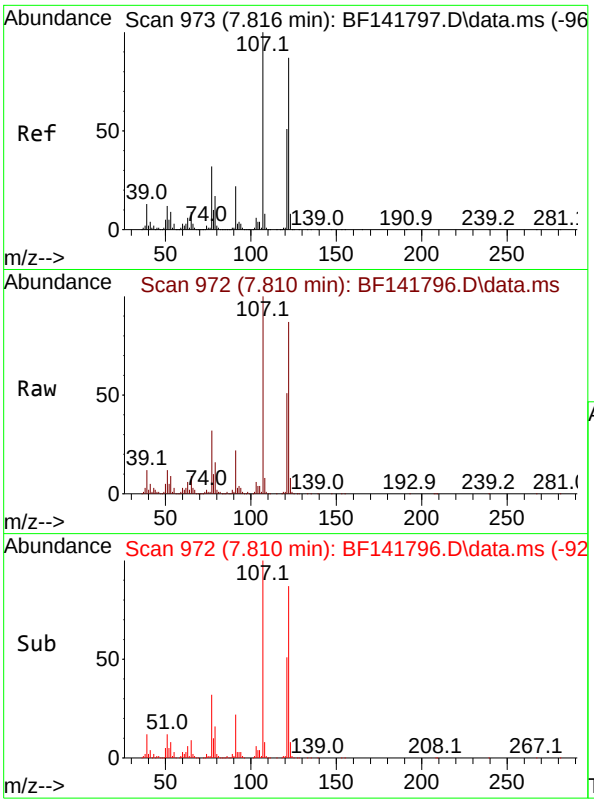


#26
2-Nitrophenol
Concen: 18.604 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:139 Resp: 132844

Ion	Ratio	Lower	Upper
139	100		
109	29.6	24.1	36.1
65	55.3	42.3	63.5

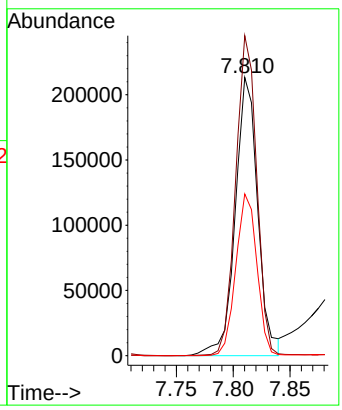




#27
2,4-Dimethylphenol
Concen: 20.740 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:122 Resp: 29296

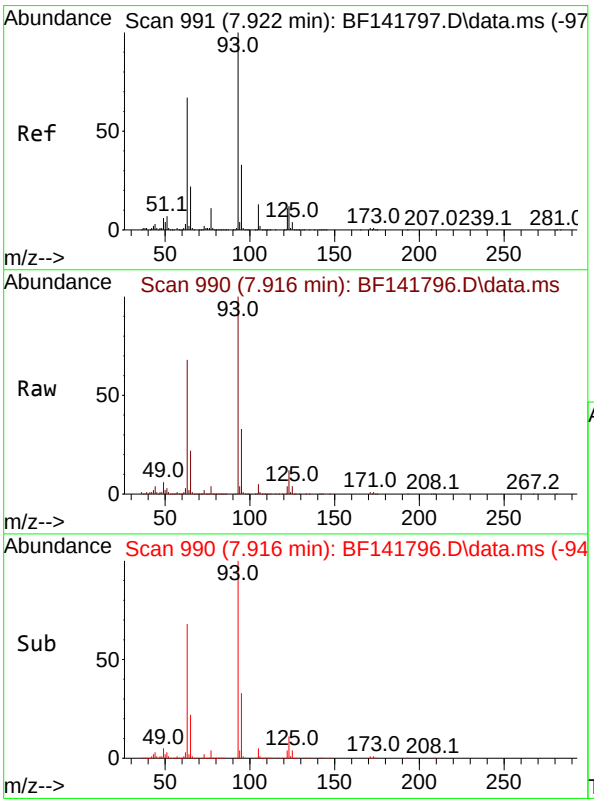
Ion	Ratio	Lower	Upper
122	100		
107	115.0	92.5	138.7
121	58.1	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

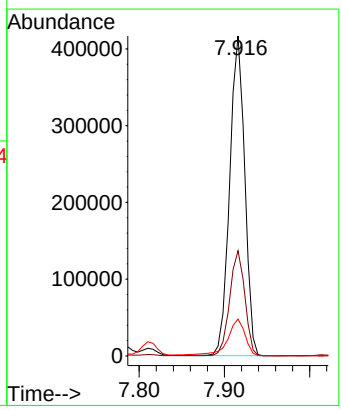
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

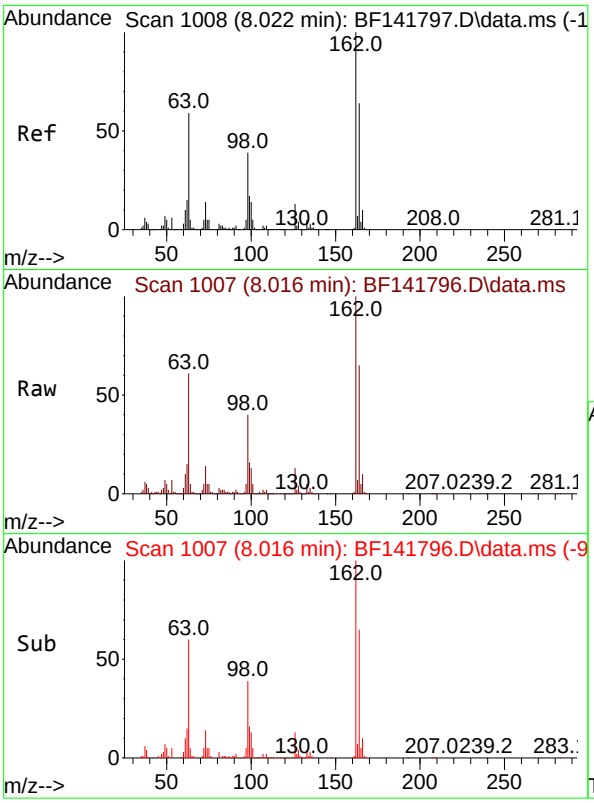


#28
bis(2-Chloroethoxy)methane
Concen: 20.966 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 93 Resp: 513944

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.5	39.7
123	11.5	10.0	15.0

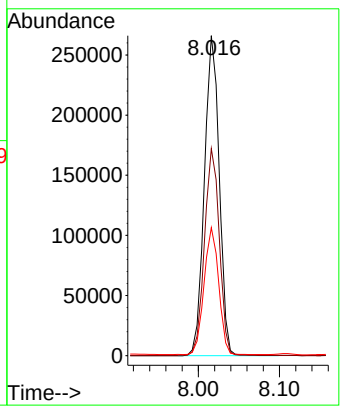




#29
2,4-Dichlorophenol
Concen: 20.749 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:162 Resp: 33812

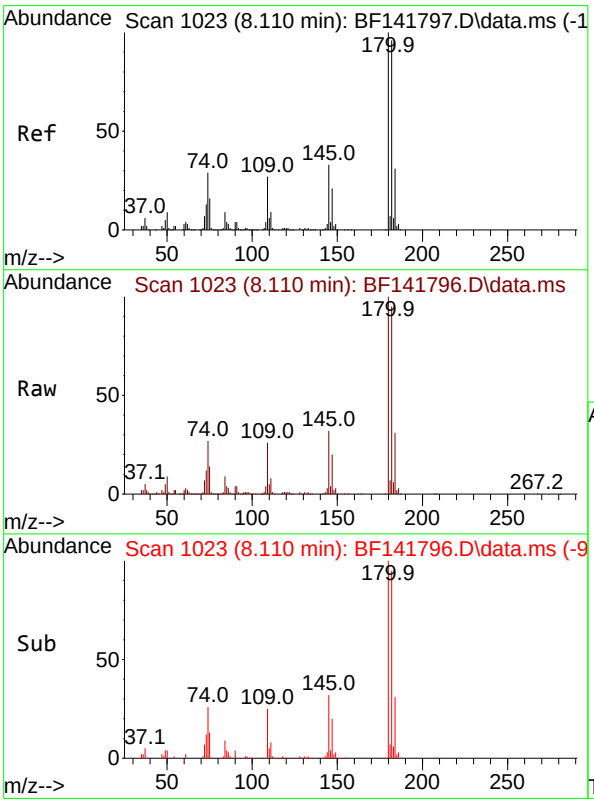
Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.3	84.3
98	40.0	19.6	59.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

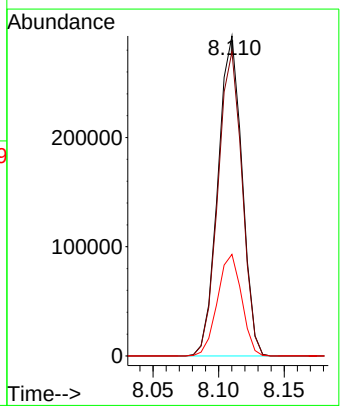
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

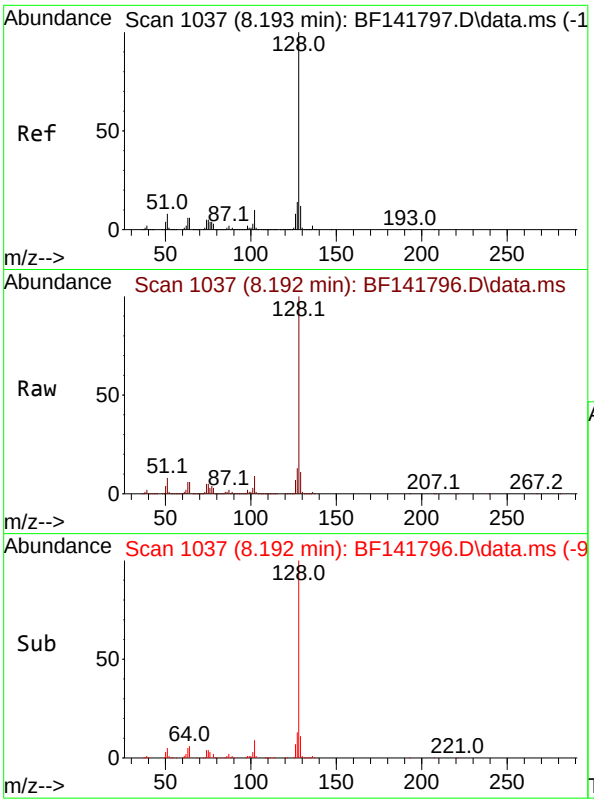


#30
1,2,4-Trichlorobenzene
Concen: 20.955 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:180 Resp: 374188

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.8	115.2
145	31.8	26.4	39.6

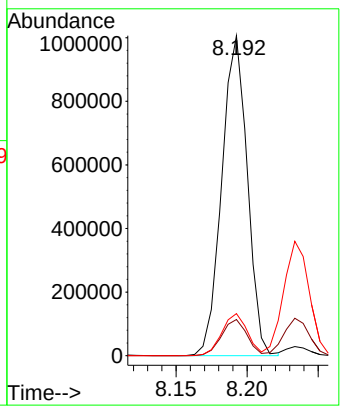




#31
Naphthalene
Concen: 21.409 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:128 Resp: 125808

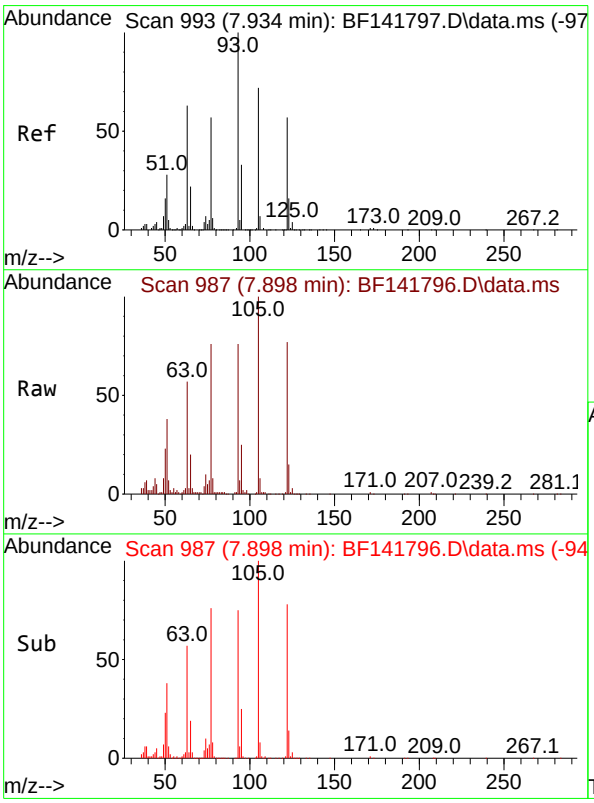
Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.2	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

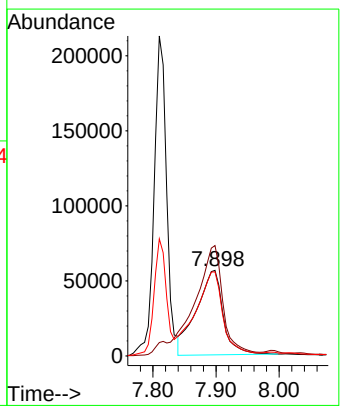
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

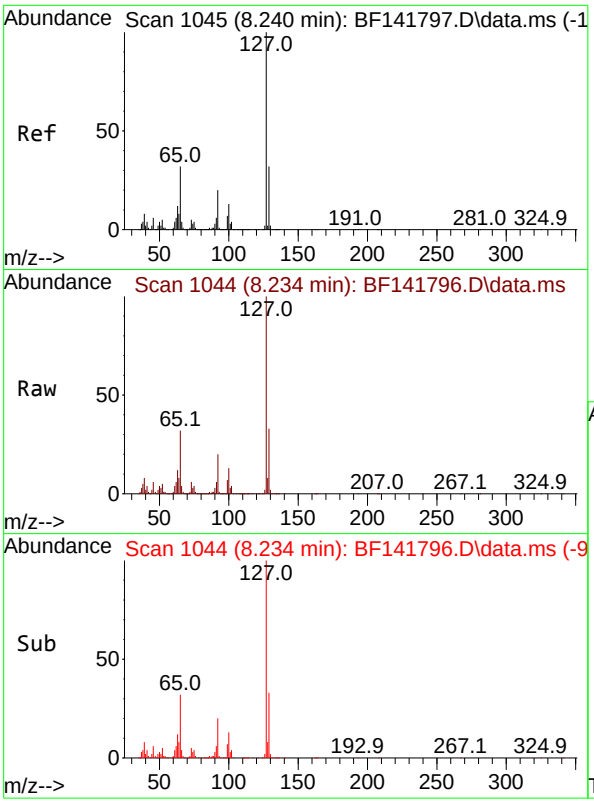


#32
Benzoic acid
Concen: 19.487 ng
RT: 7.898 min Scan# 987
Delta R.T. -0.036 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:122 Resp: 165613

Ion	Ratio	Lower	Upper
122	100		
105	129.2	105.8	145.8
77	98.4	79.9	119.9

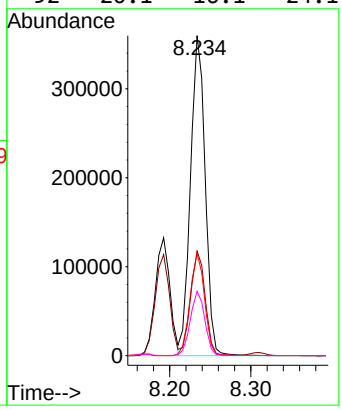




#33
4-Chloroaniline
Concen: 21.097 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:127 Resp: 45456

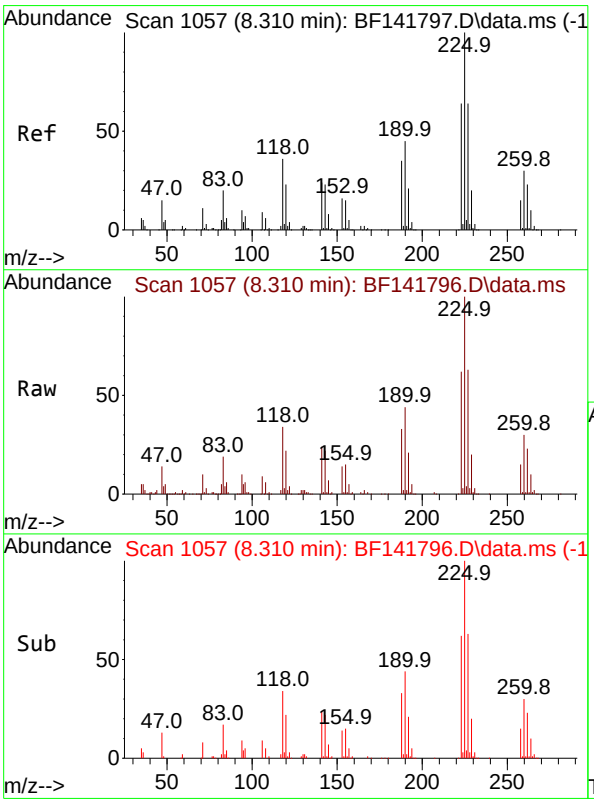
Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	32.0	25.7	38.5
92	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

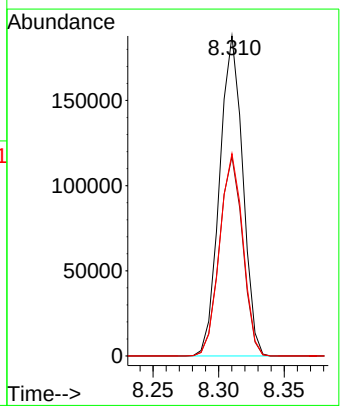
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

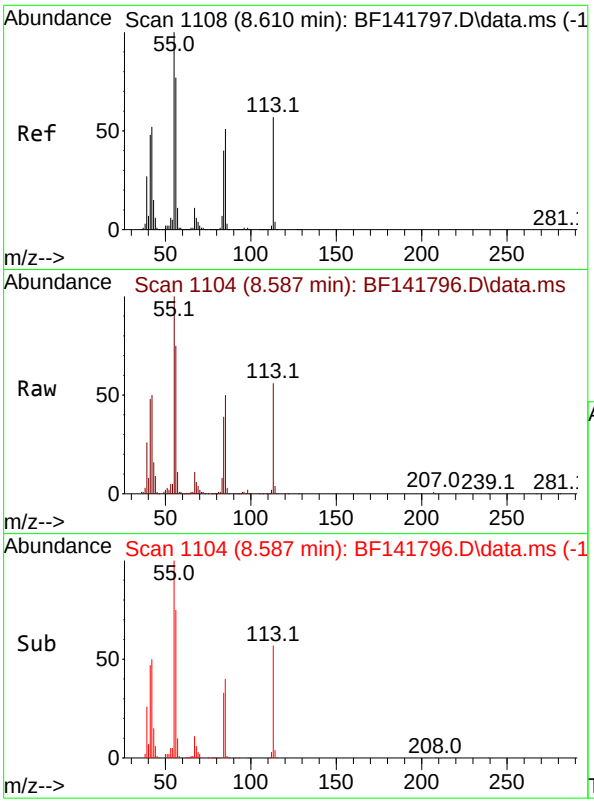


#34
Hexachlorobutadiene
Concen: 20.776 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:225 Resp: 230541

Ion	Ratio	Lower	Upper
225	100		
223	62.3	51.4	77.2
227	63.2	51.6	77.4





#35
Caprolactam
Concen: 20.521 ng
RT: 8.587 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

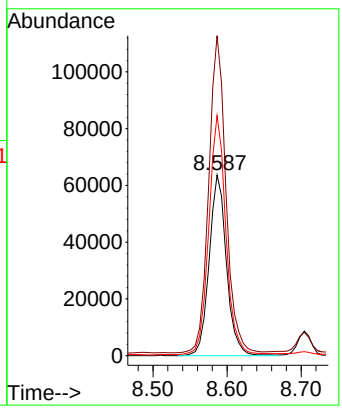
Tgt Ion:113 Resp: 10289

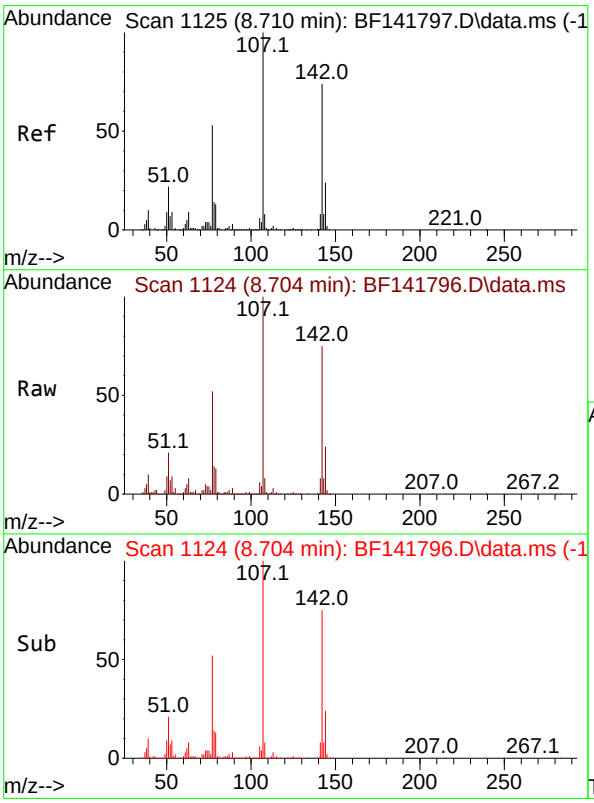
Ion	Ratio	Lower	Upper
113	100		
55	177.2	155.6	195.6
56	132.9	114.6	154.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

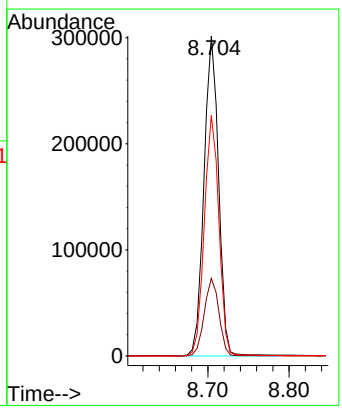


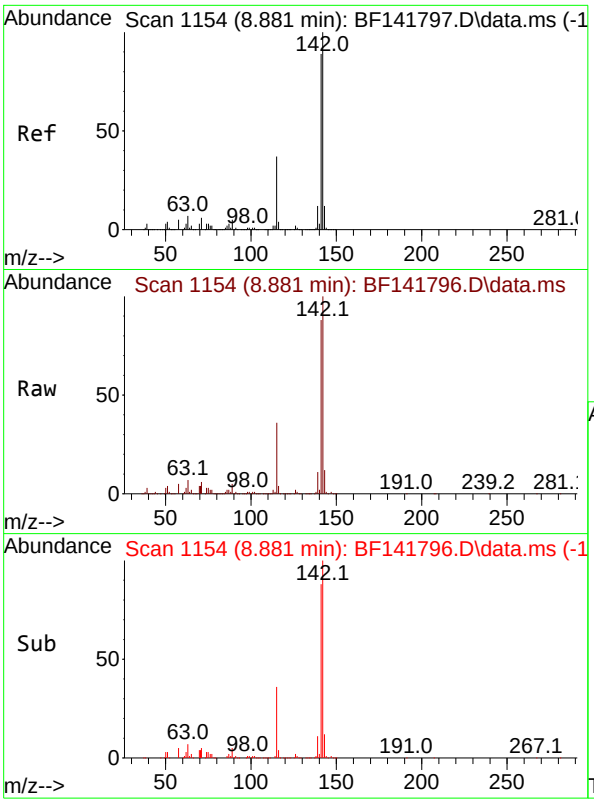


#36
4-Chloro-3-methylphenol
Concen: 20.776 ng
RT: 8.704 min Scan# 1124
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:107 Resp: 376094

Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.4	29.0
142	75.1	59.4	89.0

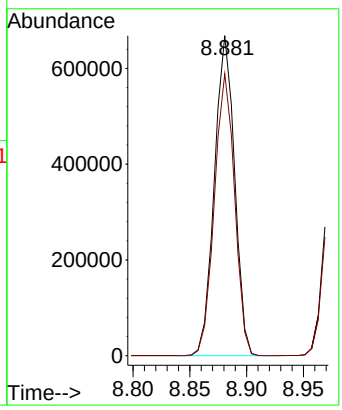




#37
2-Methylnaphthalene
Concen: 21.443 ng
RT: 8.881 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:142 Resp: 82649

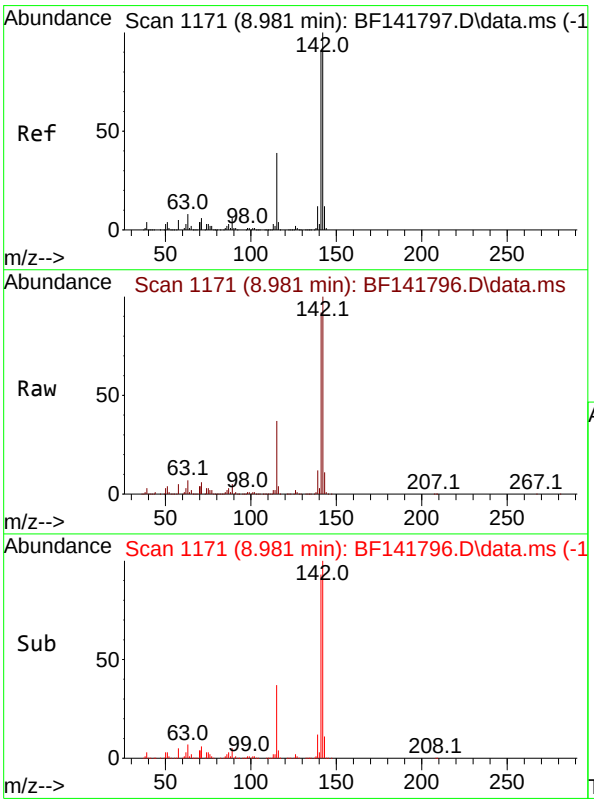
Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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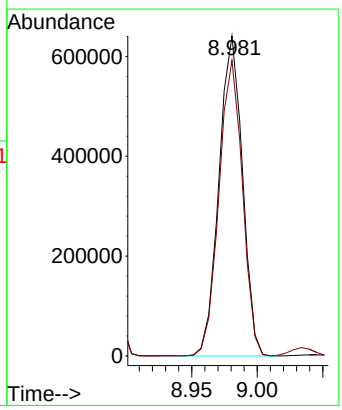
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

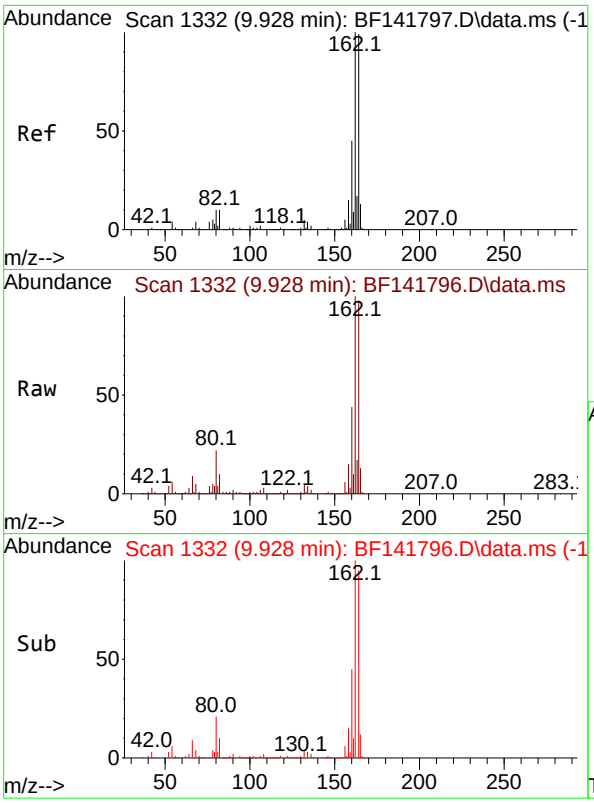


#38
1-Methylnaphthalene
Concen: 21.545 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:142 Resp: 796808

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7

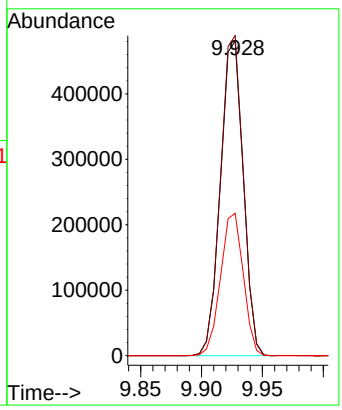




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:164 Resp: 62633

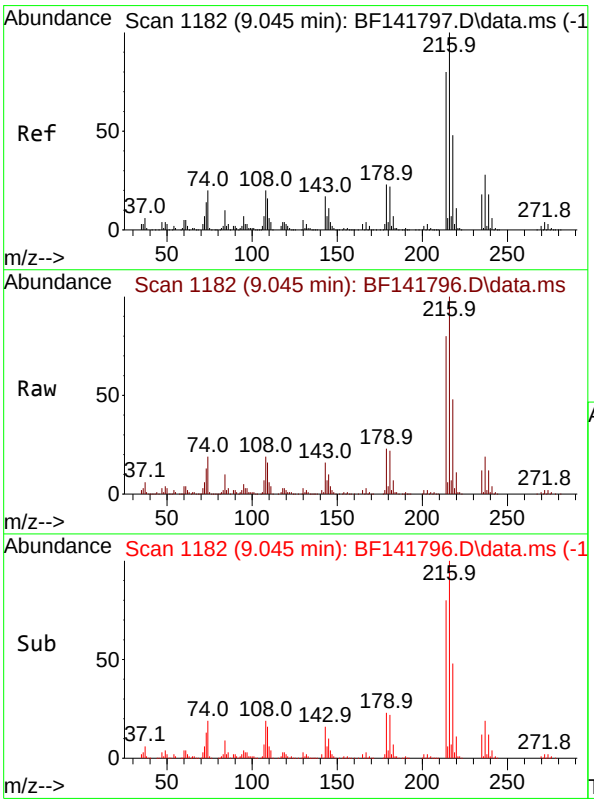
Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.6	120.8
160	45.3	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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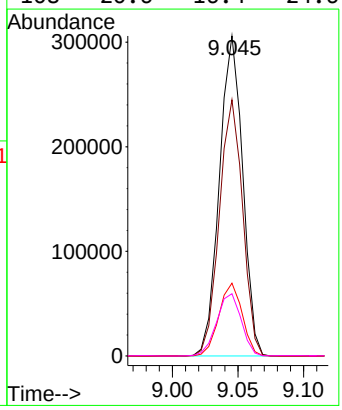
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

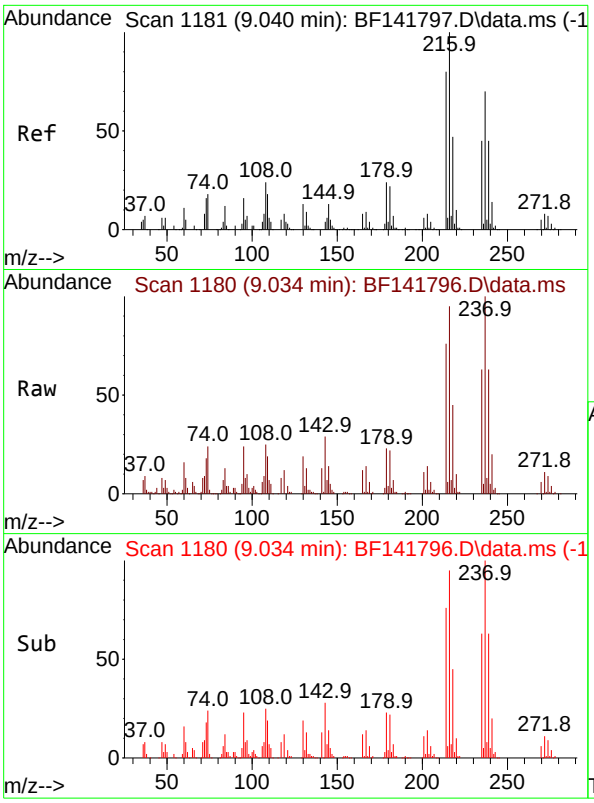


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.861 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:216 Resp: 377360

Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.5	95.3
179	22.8	18.1	27.1
108	20.6	16.4	24.6





#41
Hexachlorocyclopentadiene
Concen: 20.943 ng
RT: 9.034 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

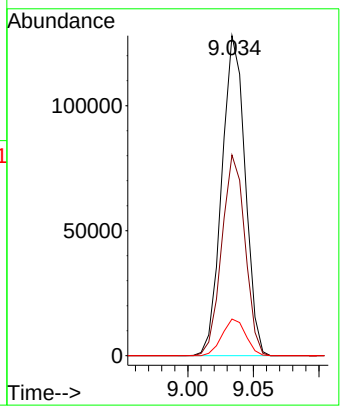
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

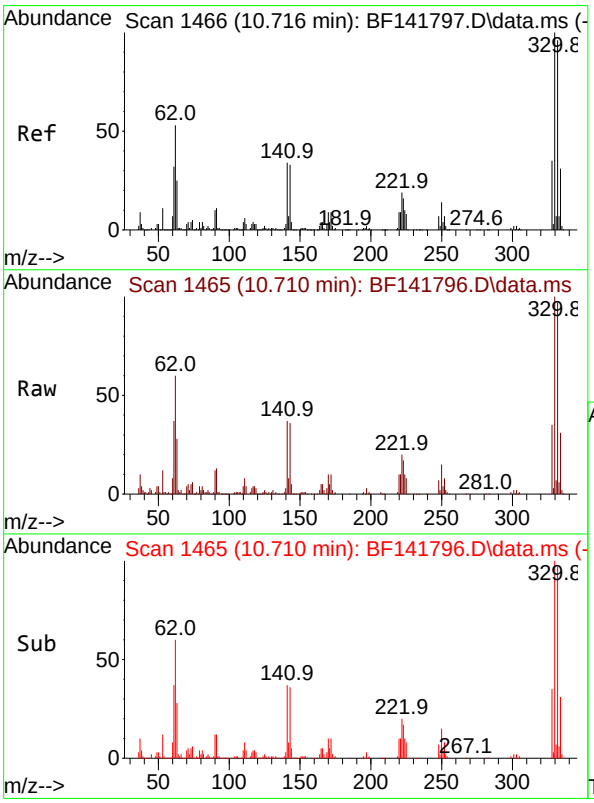
Tgt Ion:237 Resp: 15810

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.3	83.3
272	11.4	0.0	31.9

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Supervised By :mohammad ahmed 02/28/2025

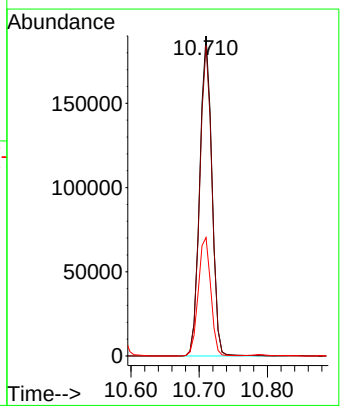


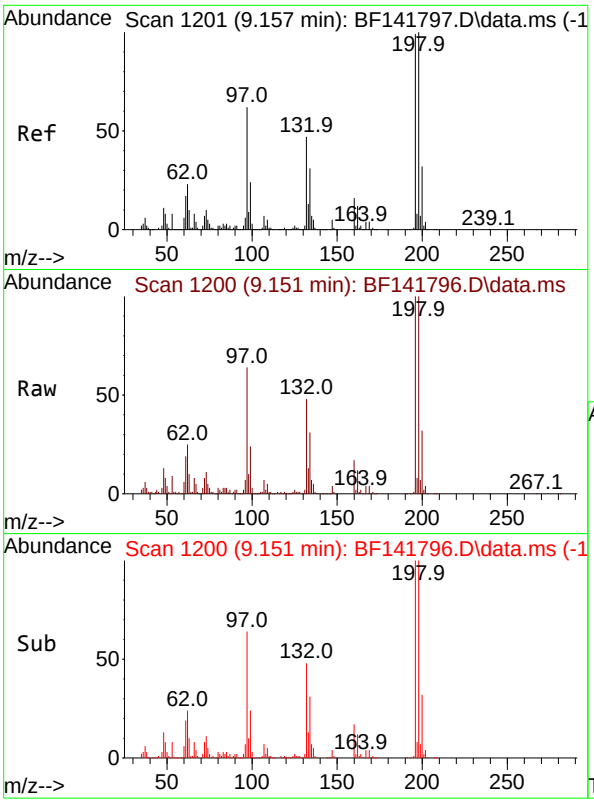


#42
2,4,6-Tribromophenol
Concen: 39.990 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:330 Resp: 235147

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	115.0
141	38.3	29.0	43.4





#43
2,4,6-Trichlorophenol
Concen: 20.419 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

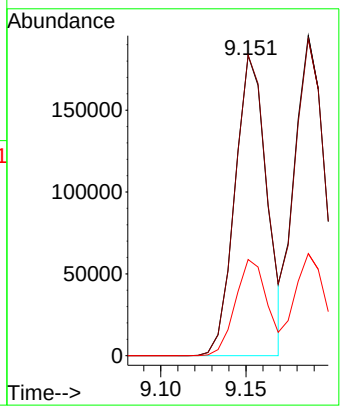
Tgt Ion:196 Resp: 23859

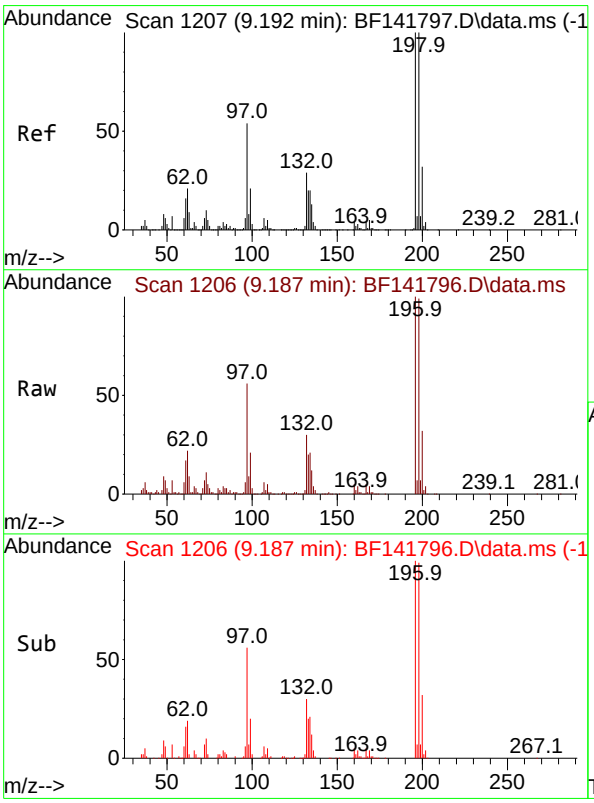
Ion	Ratio	Lower	Upper
196	100		
198	100.1	80.4	120.6
200	32.0	25.7	38.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

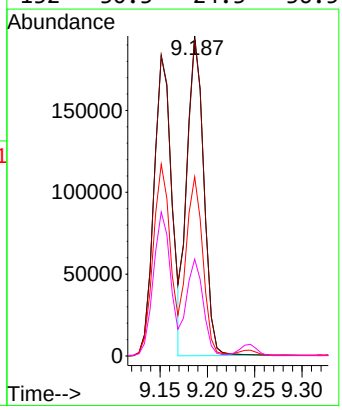


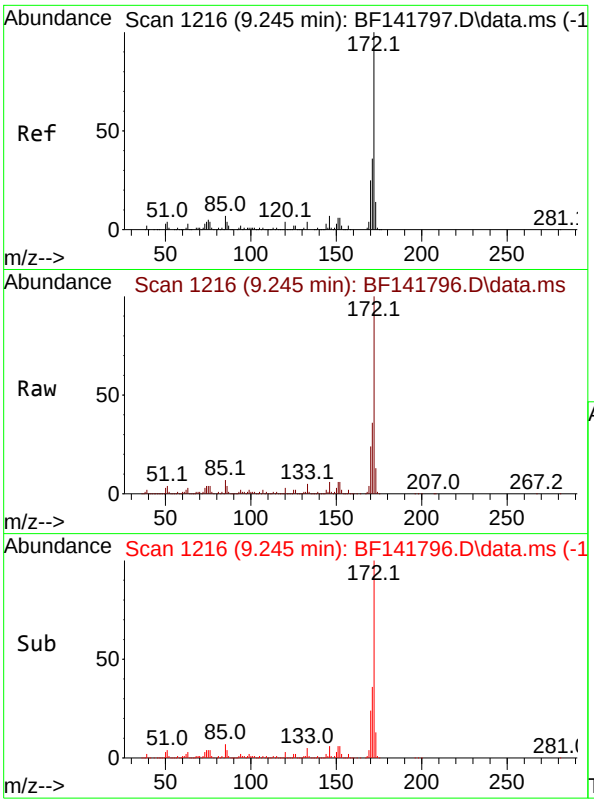


#44
2,4,5-Trichlorophenol
Concen: 20.976 ng
RT: 9.187 min Scan# 1206
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:196 Resp: 242709

Ion	Ratio	Lower	Upper
196	100		
198	99.1	79.7	119.5
97	55.9	44.2	66.2
132	30.3	24.3	36.5

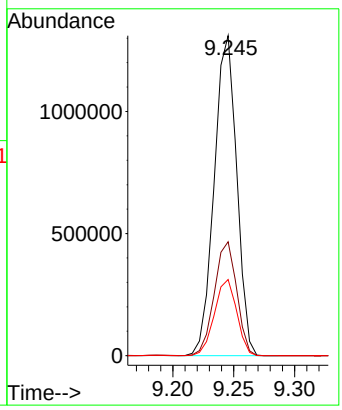




#45
2-Fluorobiphenyl
Concen: 43.170 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:172 Resp: 168631

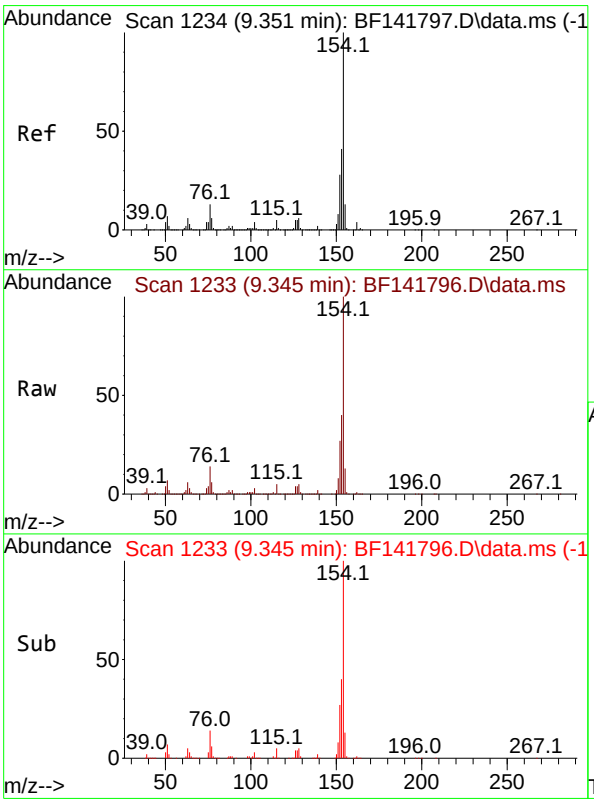
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.2	43.8
170	23.8	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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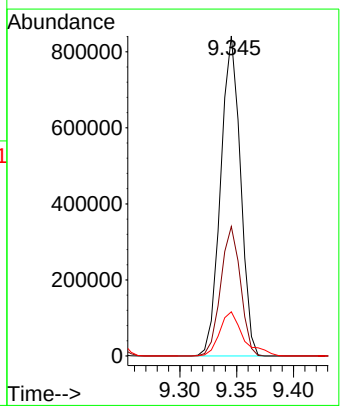
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

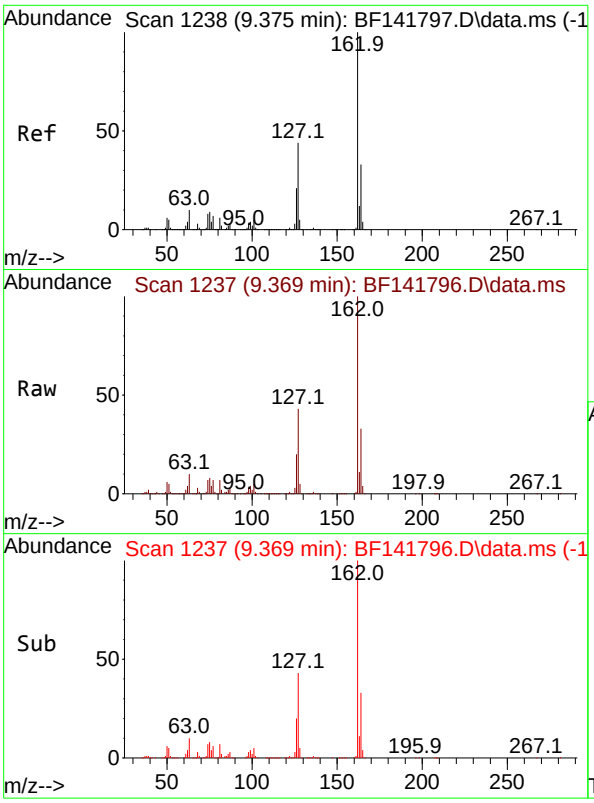


#46
1,1'-Biphenyl
Concen: 21.418 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:154 Resp: 1021081

Ion	Ratio	Lower	Upper
154	100		
153	40.4	21.4	61.4
76	13.8	0.0	33.4

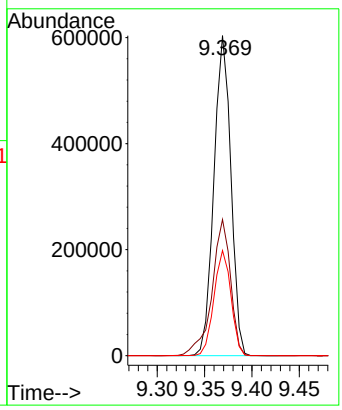




#47
2-Chloronaphthalene
Concen: 21.375 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:162 Resp: 75214

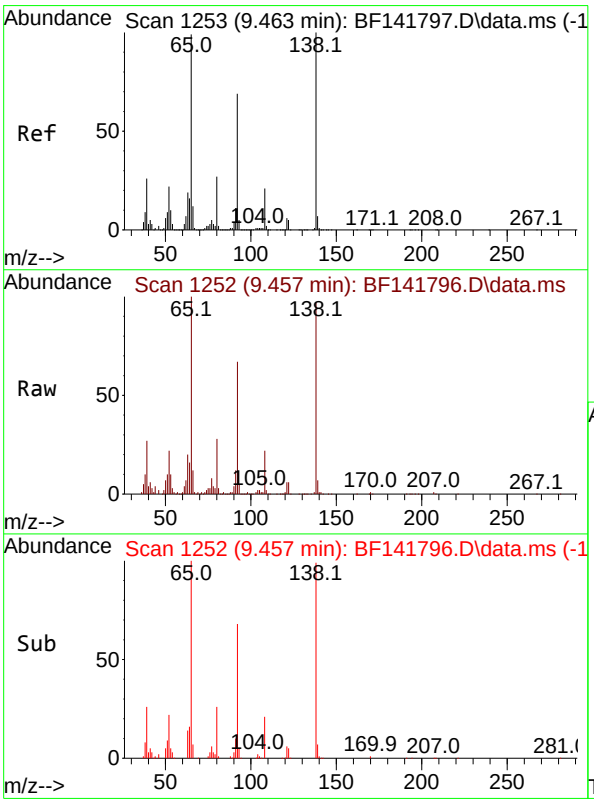
Ion	Ratio	Lower	Upper
162	100		
127	42.5	35.0	52.6
164	32.9	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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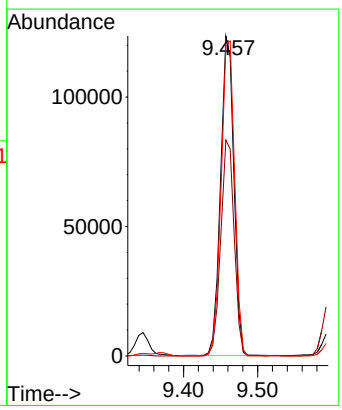
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

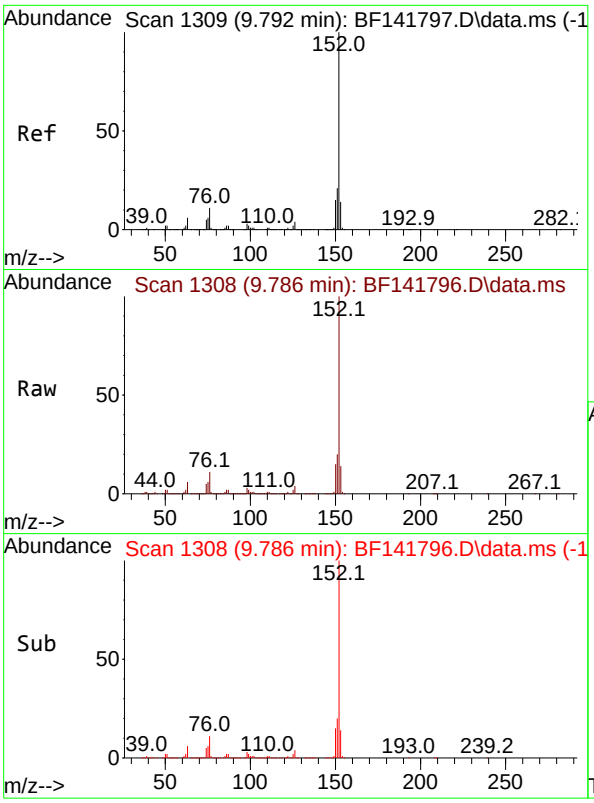


#48
2-Nitroaniline
Concen: 18.870 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 65 Resp: 153869

Ion	Ratio	Lower	Upper
65	100		
92	67.5	55.7	83.5
138	97.5	80.6	121.0

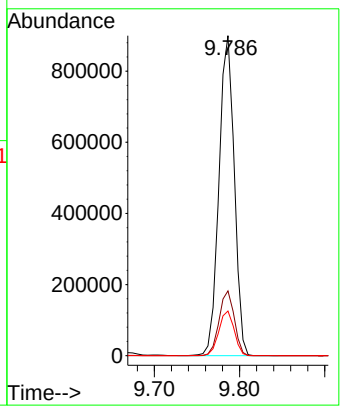




#49
Acenaphthylene
Concen: 21.349 ng
RT: 9.786 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:152 Resp: 112630

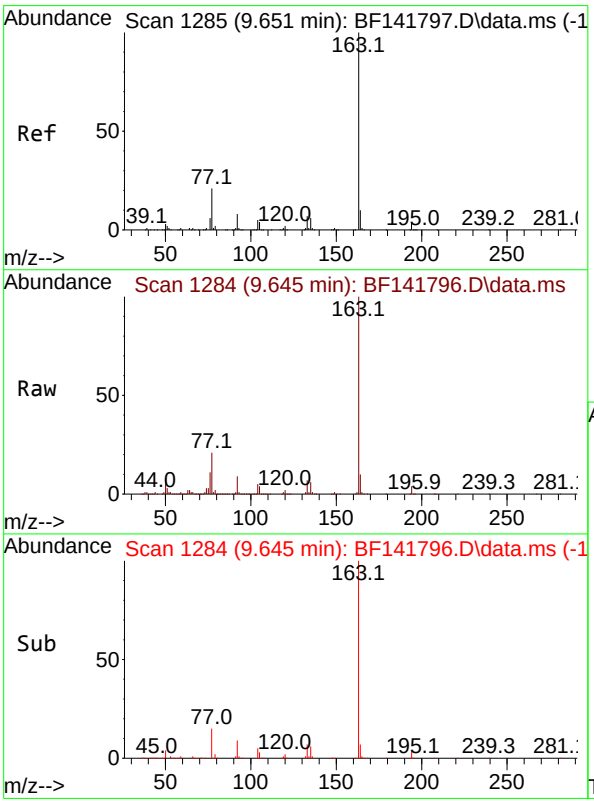
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.6	24.8
153	13.9	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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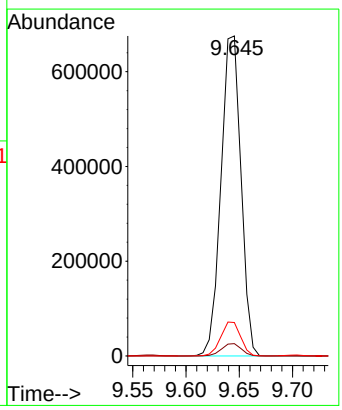
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

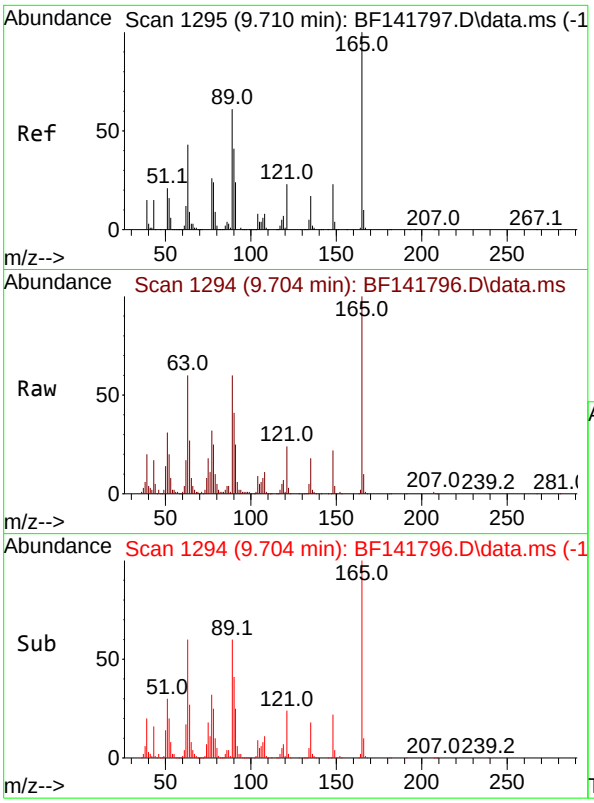


#50
Dimethylphthalate
Concen: 20.977 ng
RT: 9.645 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:163 Resp: 879870

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.4	12.6





#51
2,6-Dinitrotoluene
Concen: 19.796 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

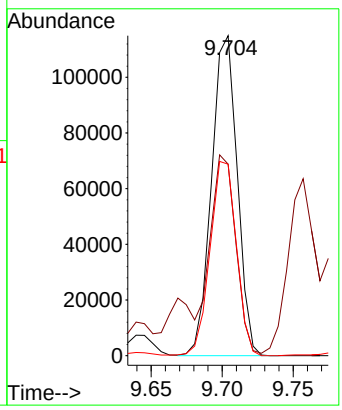
Tgt Ion:165 Resp: 14467

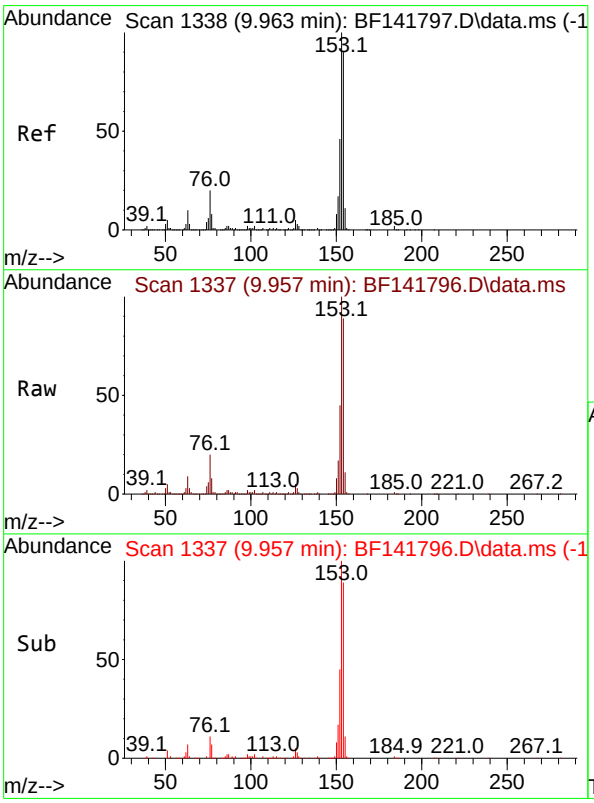
Ion	Ratio	Lower	Upper
165	100		
63	59.9	49.5	74.3
89	59.8	49.0	73.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

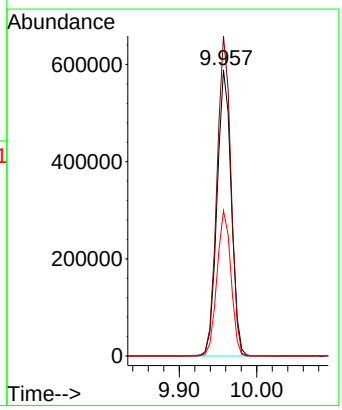


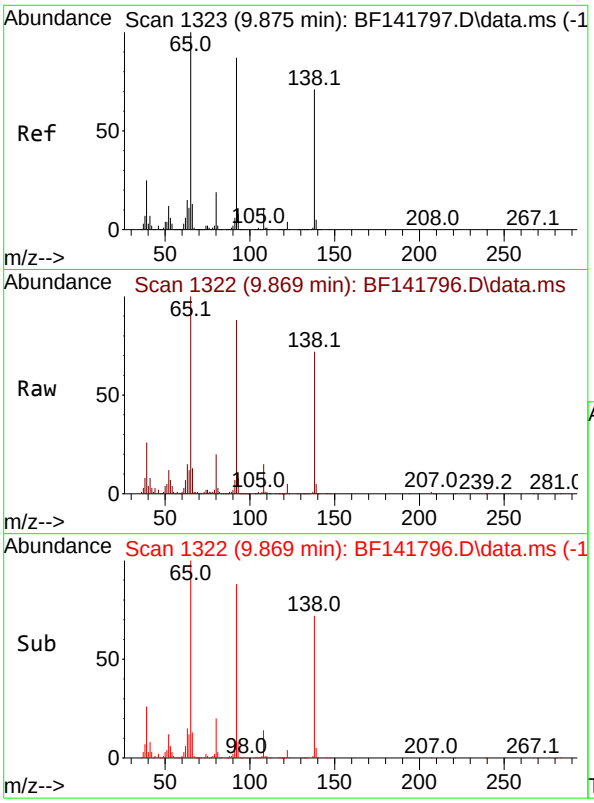


#52
Acenaphthene
Concen: 21.068 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:154 Resp: 749963

Ion	Ratio	Lower	Upper
154	100		
153	111.9	88.7	133.1
152	50.8	40.9	61.3





#53
3-Nitroaniline
Concen: 19.664 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

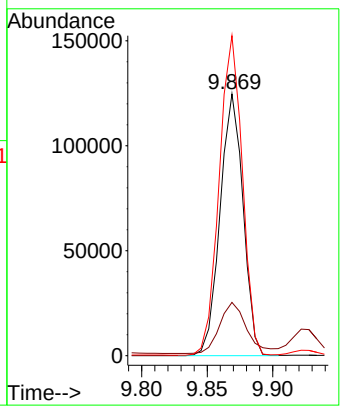
Tgt Ion:138 Resp: 15211

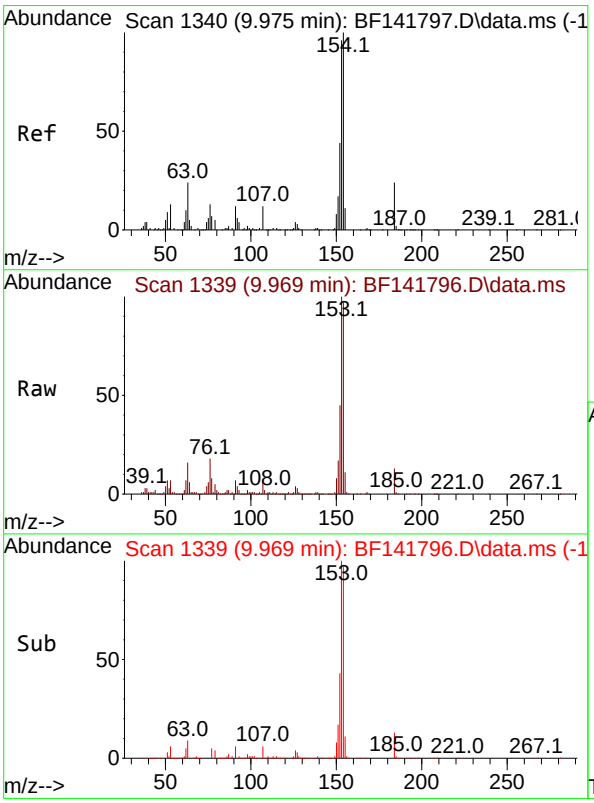
Ion	Ratio	Lower	Upper
138	100		
108	20.3	12.7	19.1#
92	122.3	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

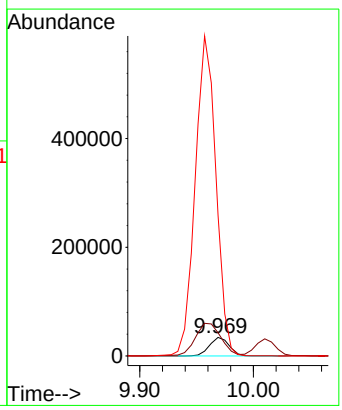


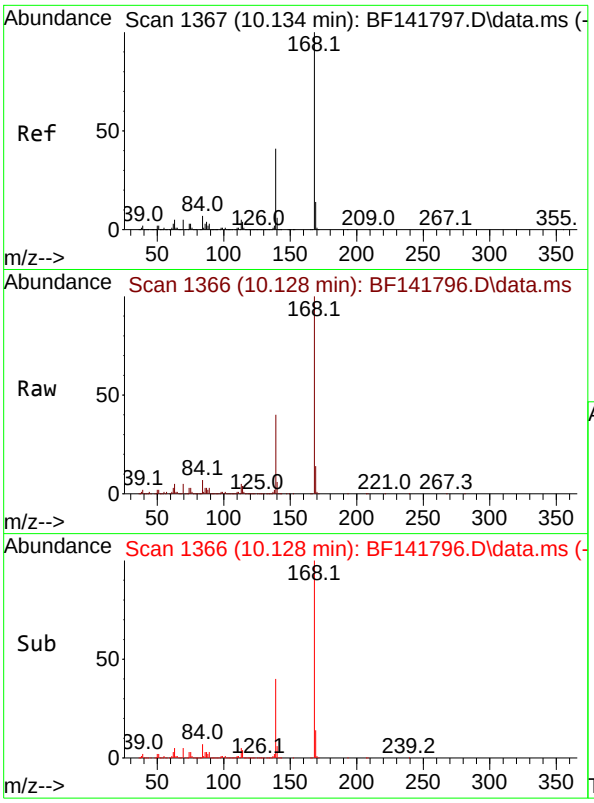


#54
2,4-Dinitrophenol
Concen: 19.116 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:184 Resp: 41521

Ion	Ratio	Lower	Upper
184	100		
63	125.2	79.0	118.6#
154	760.8	335.8	503.8#

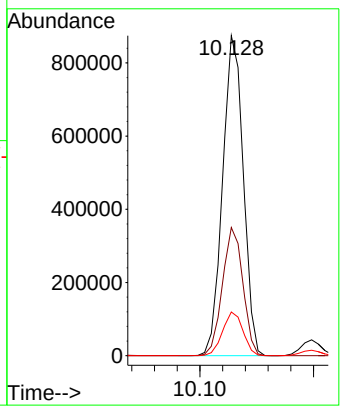




#55
Dibenzofuran
Concen: 21.332 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:168 Resp: 110527

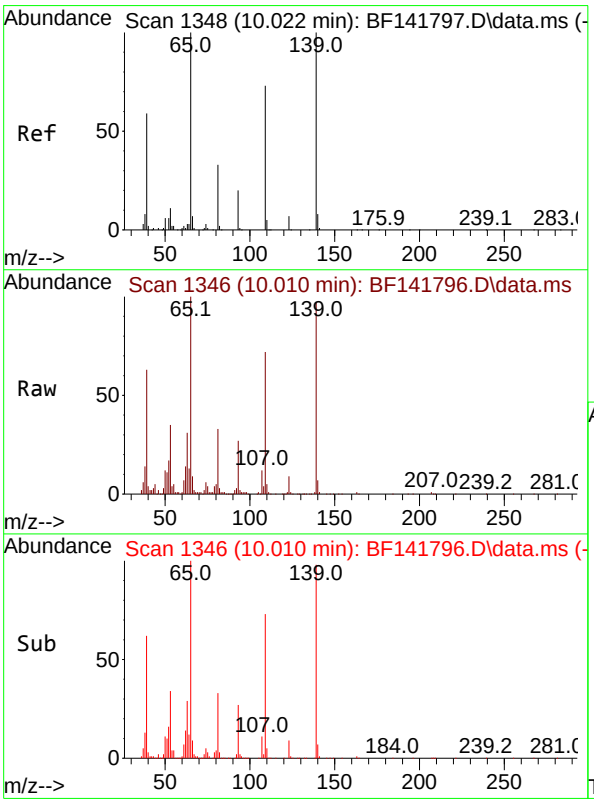
Ion	Ratio	Lower	Upper
168	100		
139	40.1	32.9	49.3
169	13.6	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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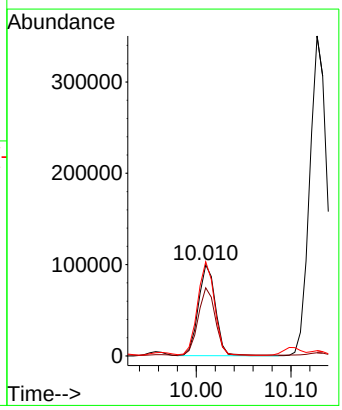
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

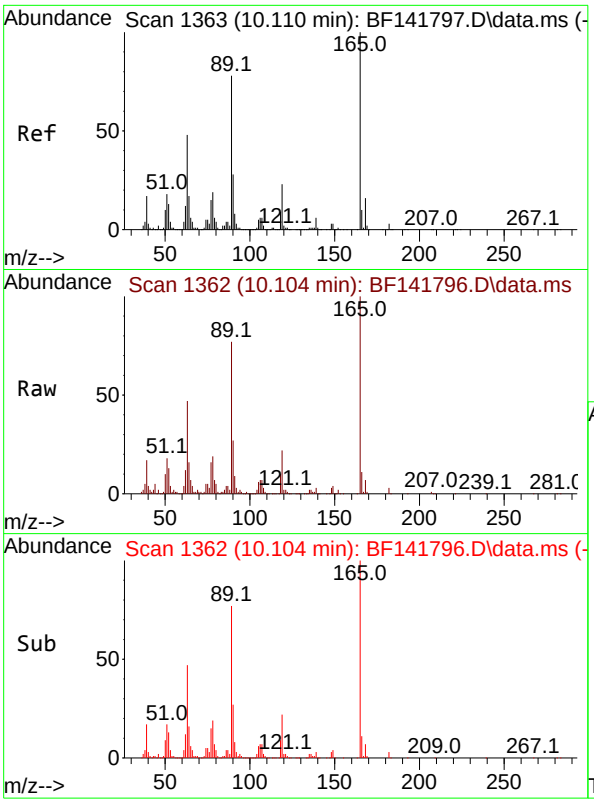


#56
4-Nitrophenol
Concen: 19.922 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:139 Resp: 123415

Ion	Ratio	Lower	Upper
139	100		
109	74.8	53.4	93.4
65	103.5	82.1	122.1

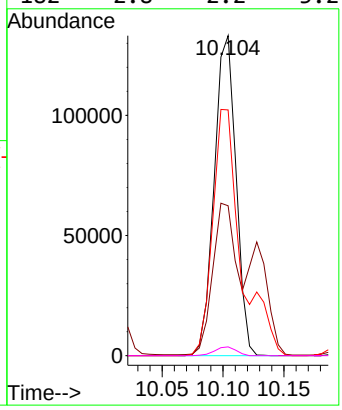




#57
2,4-Dinitrotoluene
Concen: 19.214 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:165 Resp: 16594

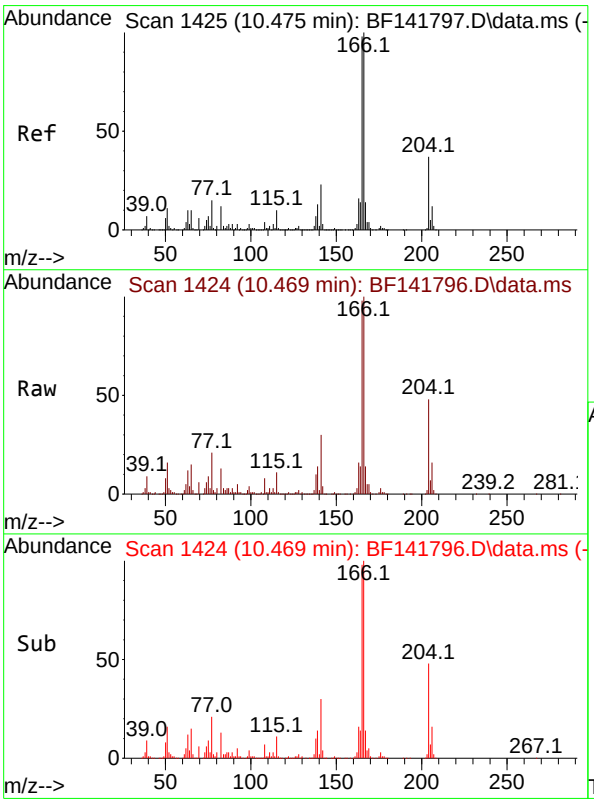
Ion	Ratio	Lower	Upper
165	100		
63	46.9	38.8	58.2
89	76.8	62.6	94.0
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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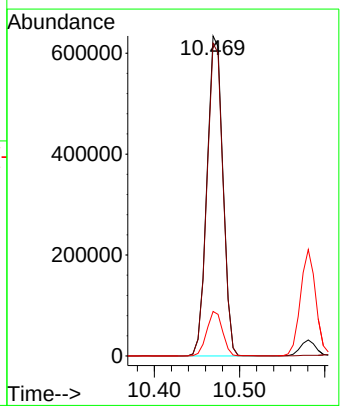
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

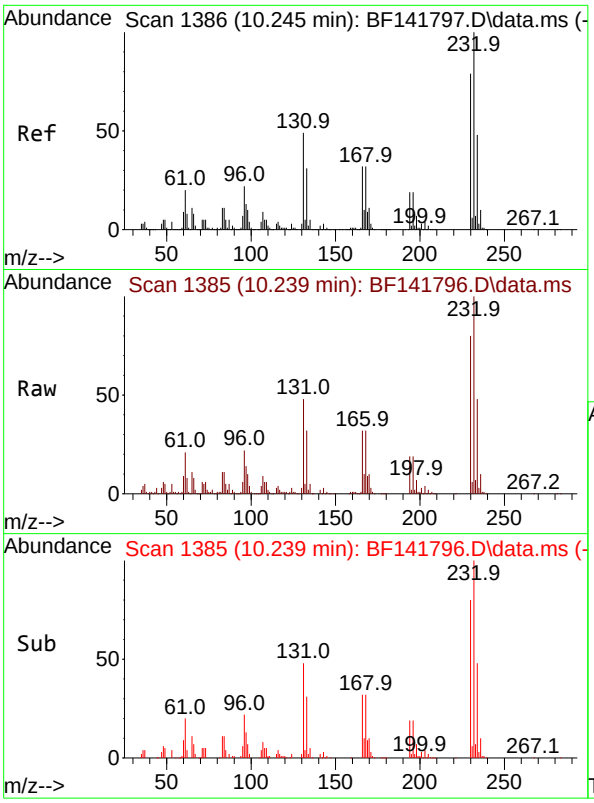


#58
Fluorene
Concen: 21.187 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:166 Resp: 822264

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.6	117.8
167	13.9	11.0	16.4

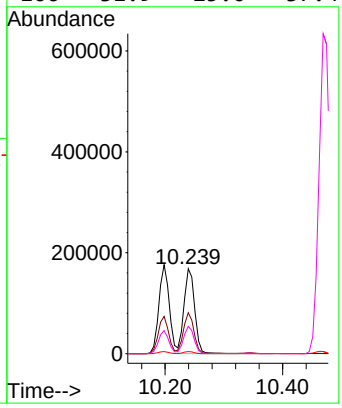




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.902 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:232 Resp: 21033

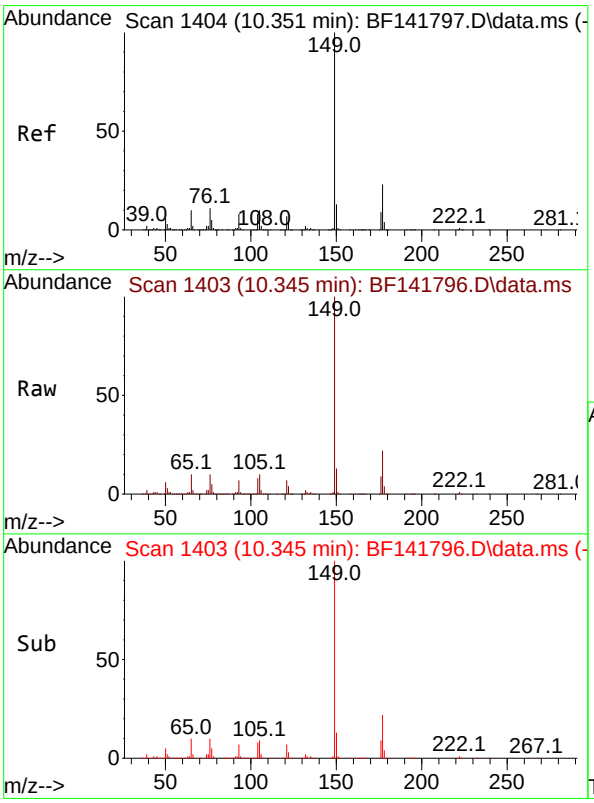
Ion	Ratio	Lower	Upper
232	100		
131	47.6	37.8	56.8
130	2.5	2.0	3.0
166	31.9	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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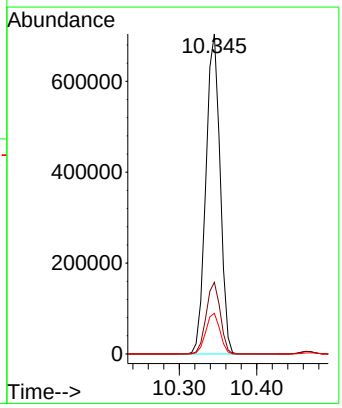
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

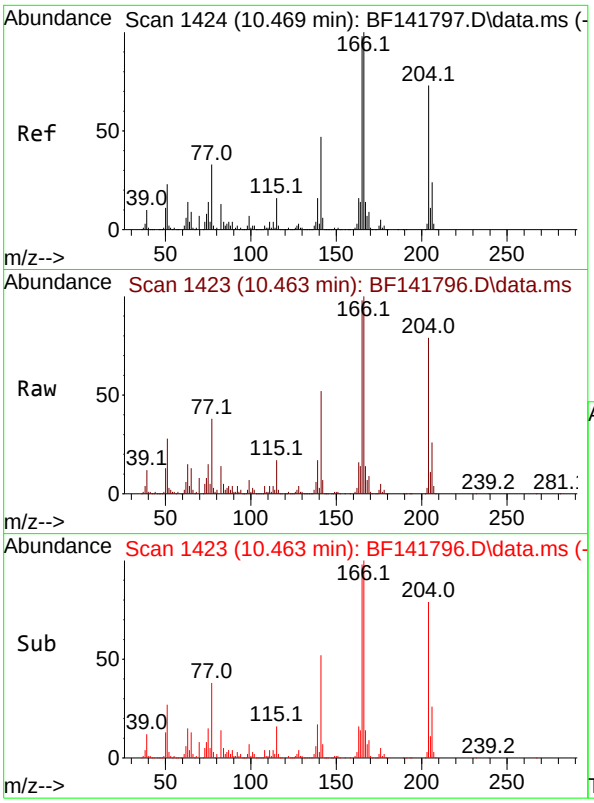


#60
Diethylphthalate
Concen: 21.264 ng
RT: 10.345 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:149 Resp: 894118

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.3	27.5
150	12.7	10.3	15.5

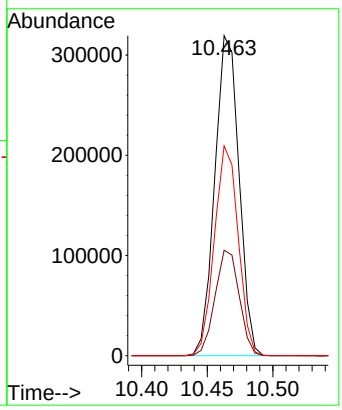




#61
4-Chlorophenyl-phenylether
Concen: 21.069 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:204 Resp: 40969

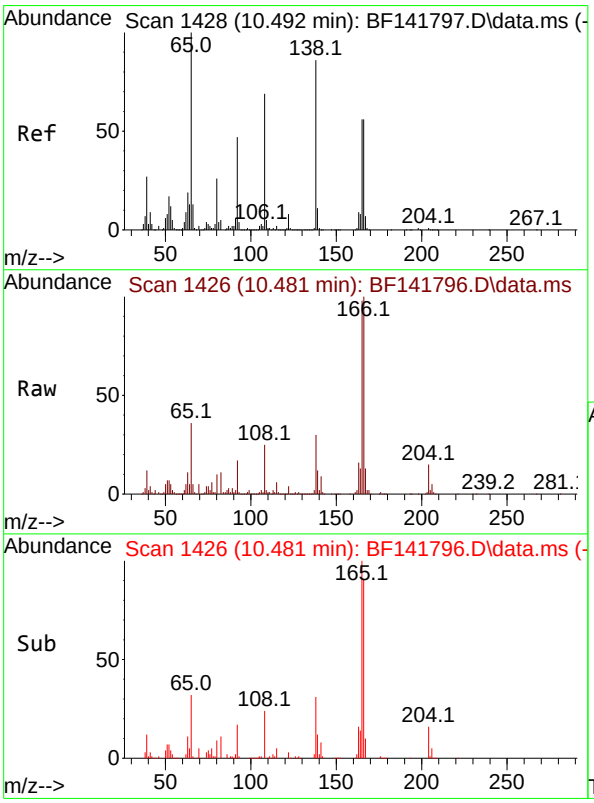
Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.2	39.4
141	65.6	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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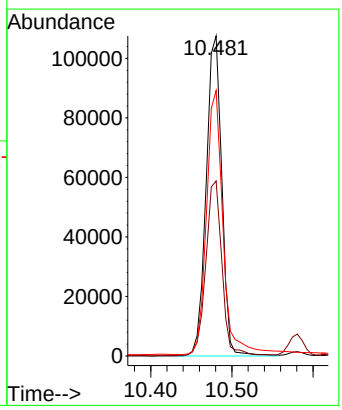
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

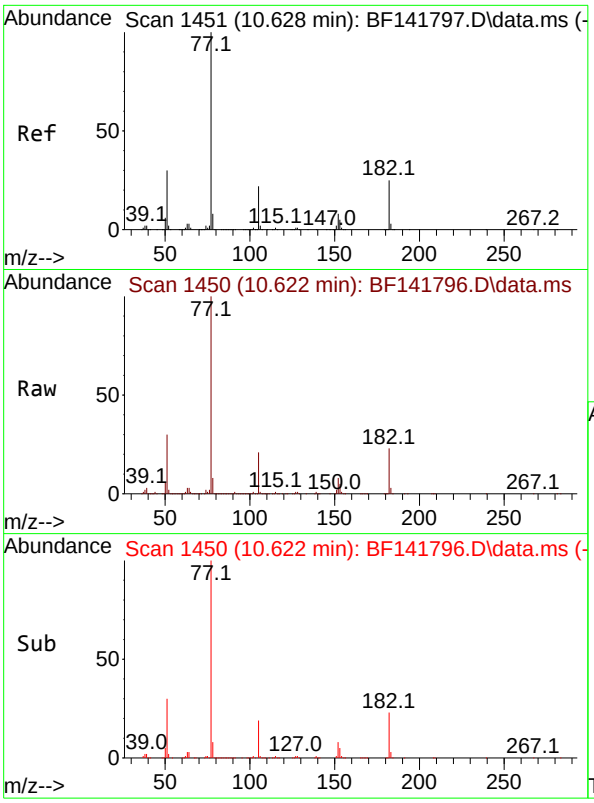


#62
4-Nitroaniline
Concen: 20.031 ng
RT: 10.481 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:138 Resp: 143482

Ion	Ratio	Lower	Upper
138	100		
92	54.7	34.9	74.9
108	82.9	59.6	99.6

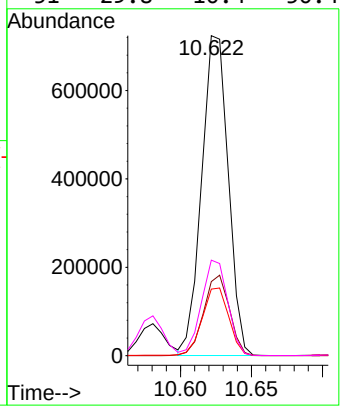




#63
Azobenzene
Concen: 21.288 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion: 77 Resp: 942499

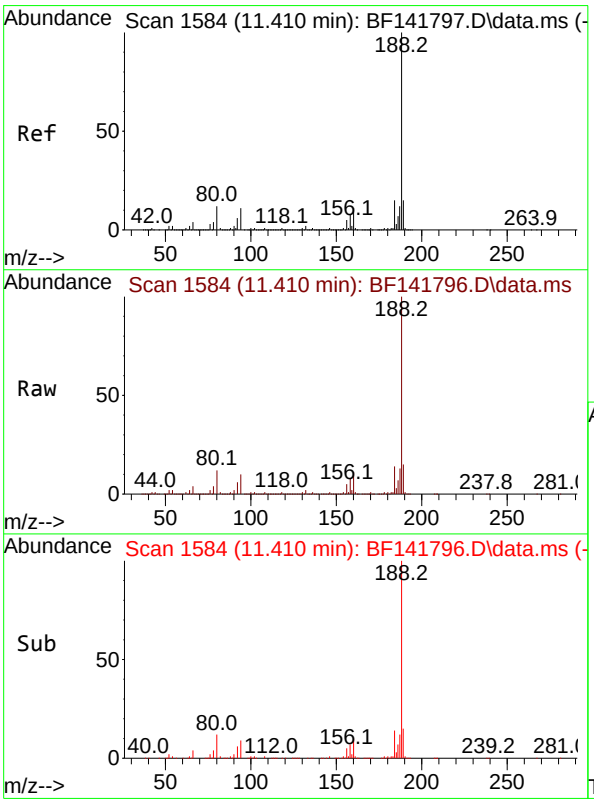
Ion	Ratio	Lower	Upper
77	100		
182	23.2	4.2	44.2
105	20.8	1.5	41.5
51	29.8	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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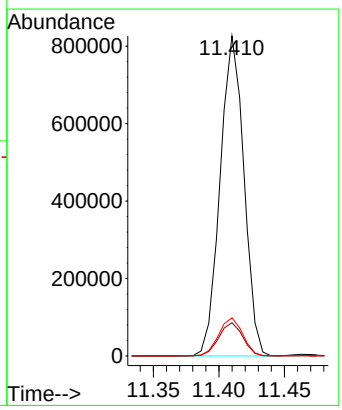
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

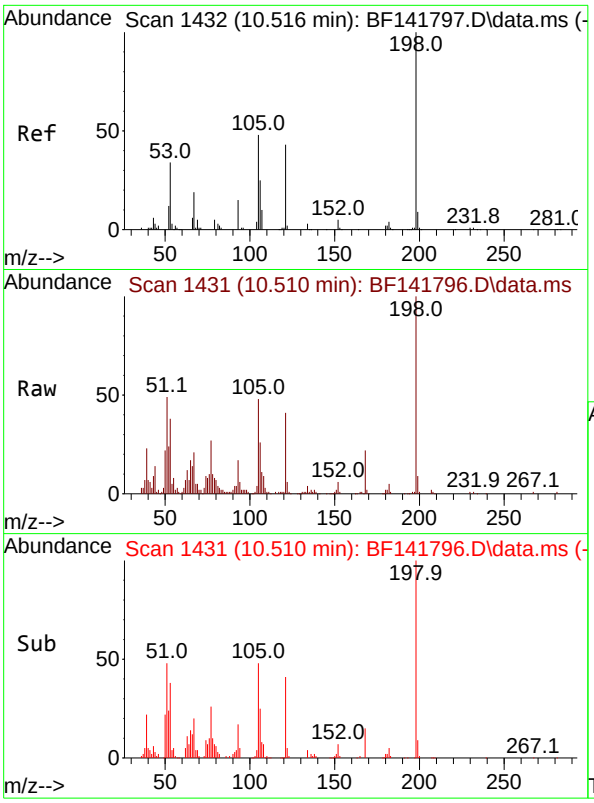


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:188 Resp: 1041715

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.9	13.3
80	11.9	9.7	14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 19.161 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

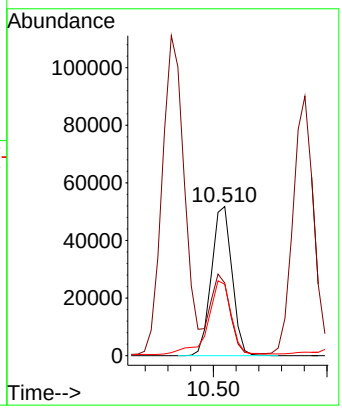
Tgt Ion:198 Resp: 6516

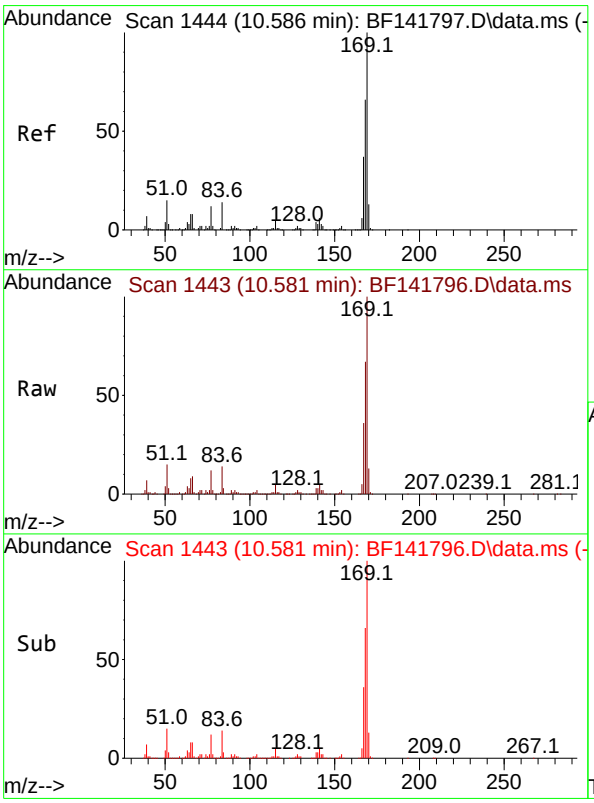
Ion	Ratio	Lower	Upper
198	100		
51	48.7	32.1	72.1
105	47.9	28.5	68.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

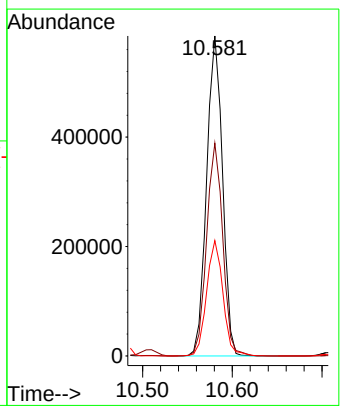


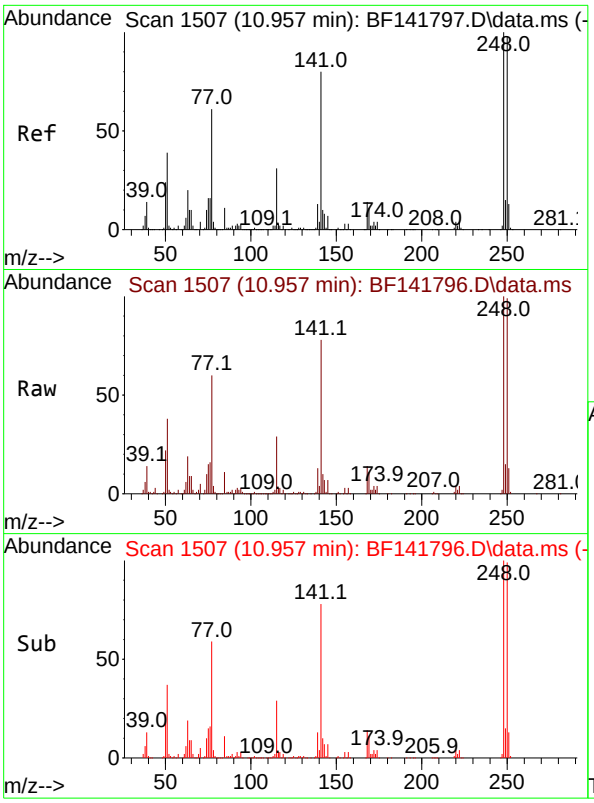


#66
n-Nitrosodiphenylamine
Concen: 20.977 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:169 Resp: 717531

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.6
167	36.0	29.3	43.9

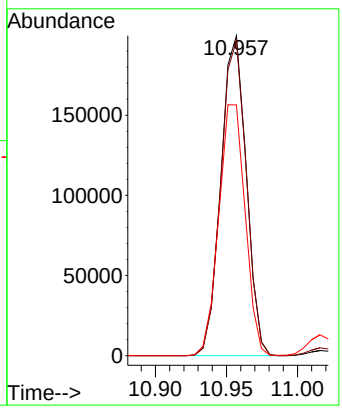




#67
4-Bromophenyl-phenylether
Concen: 20.423 ng
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:248 Resp: 24850

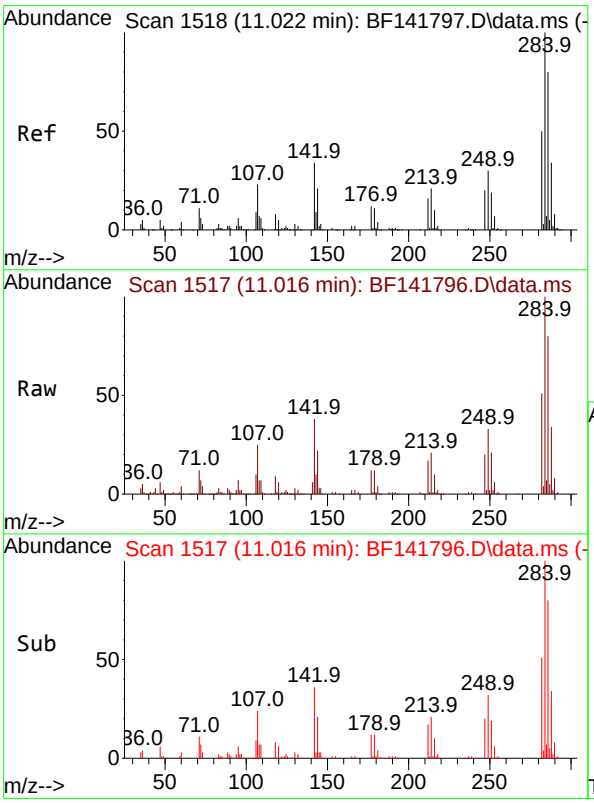
Ion	Ratio	Lower	Upper
248	100		
250	98.6	78.1	117.1
141	78.3	64.3	96.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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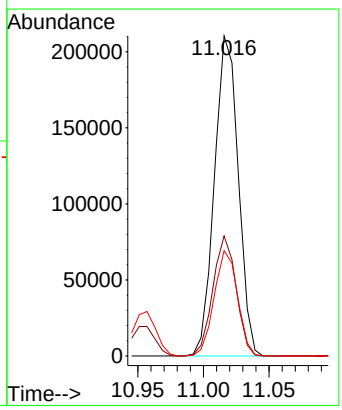
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

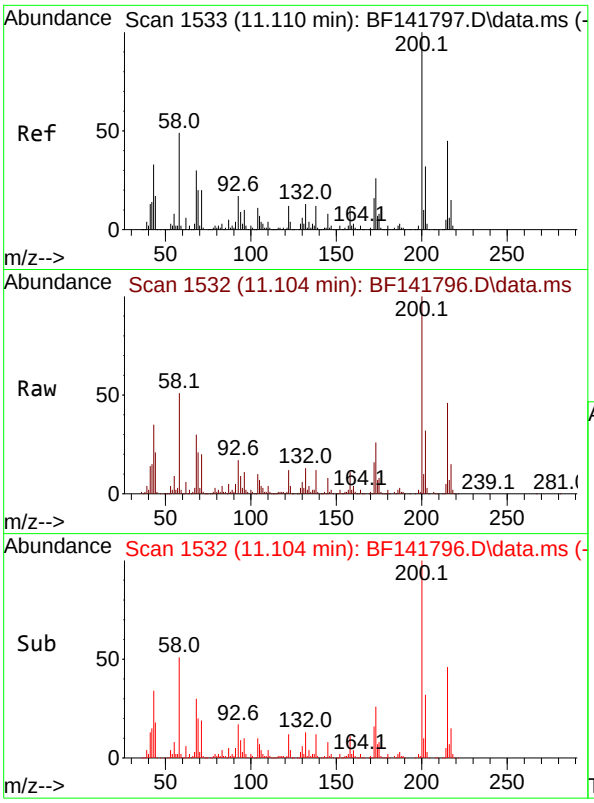


#68
Hexachlorobenzene
Concen: 20.653 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:284 Resp: 265367

Ion	Ratio	Lower	Upper
284	100		
142	37.5	28.2	42.2
249	32.9	25.5	38.3





#69
Atrazine
Concen: 21.680 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

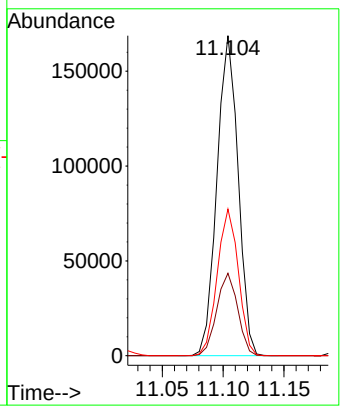
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

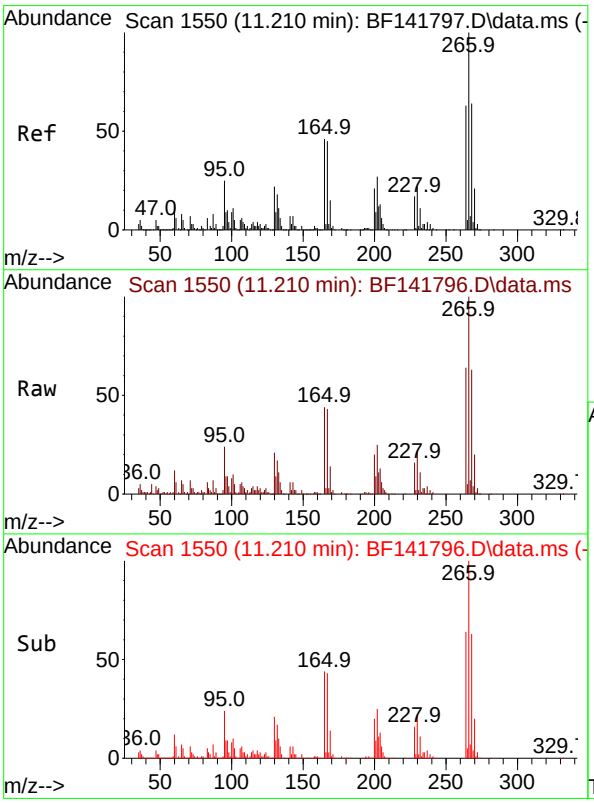
Tgt Ion:200 Resp: 20393

Ion	Ratio	Lower	Upper
200	100		
173	25.7	5.6	45.6
215	45.8	25.3	65.3

Manual Integrations
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Supervised By :mohammad ahmed 02/28/2025

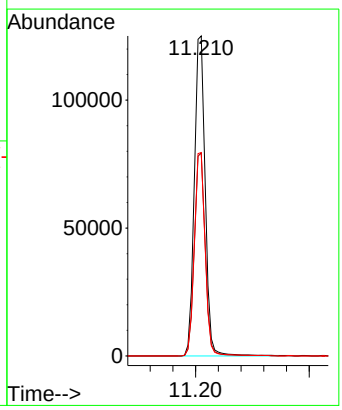


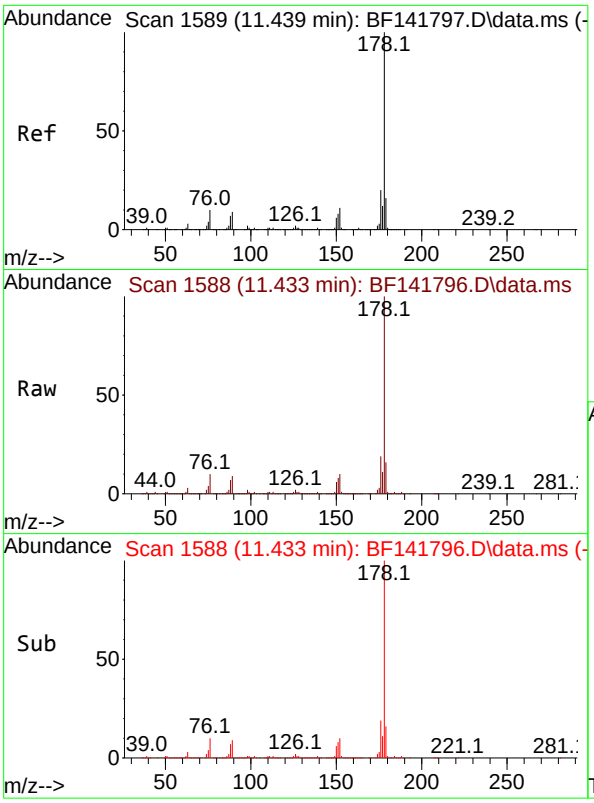


#70
Pentachlorophenol
Concen: 20.521 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:266 Resp: 167231

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.9	76.3
264	63.6	50.2	75.4

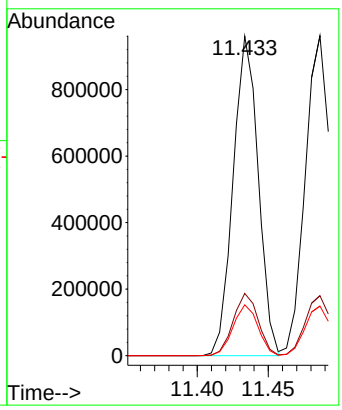




#71
Phenanthrene
Concen: 21.209 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:178 Resp: 118176

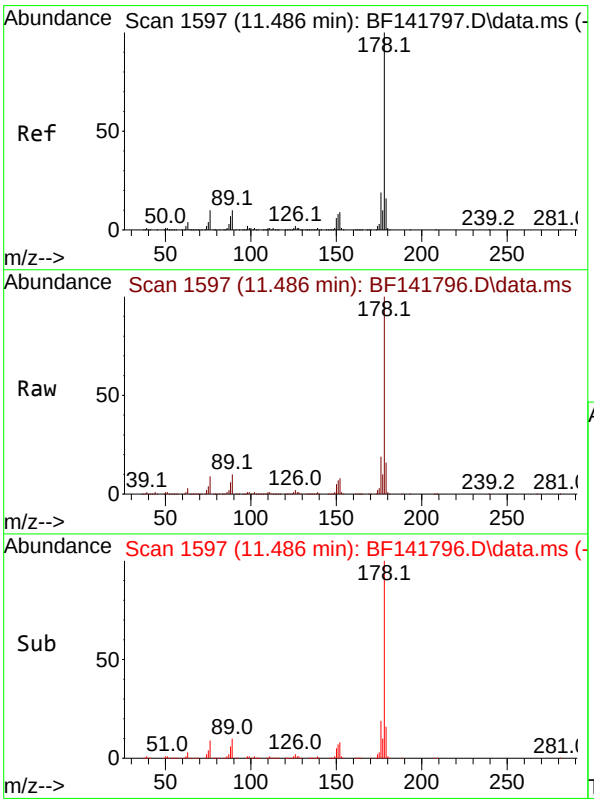
Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.0	24.0
179	15.9	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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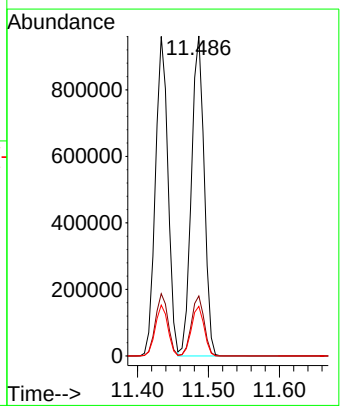
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

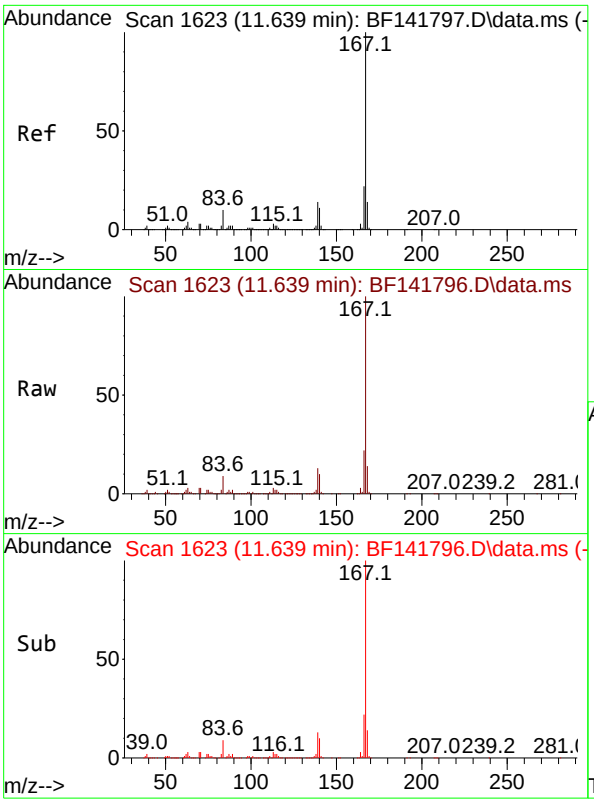


#72
Anthracene
Concen: 21.554 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:178 Resp: 1203701

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.5	12.8	19.2

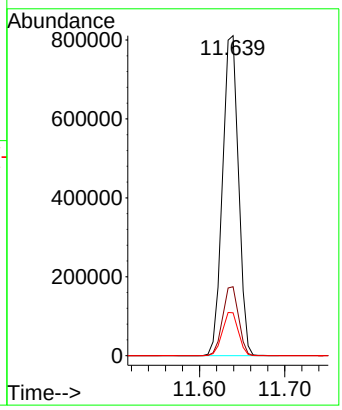




#73
Carbazole
Concen: 21.416 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:167 Resp: 105614

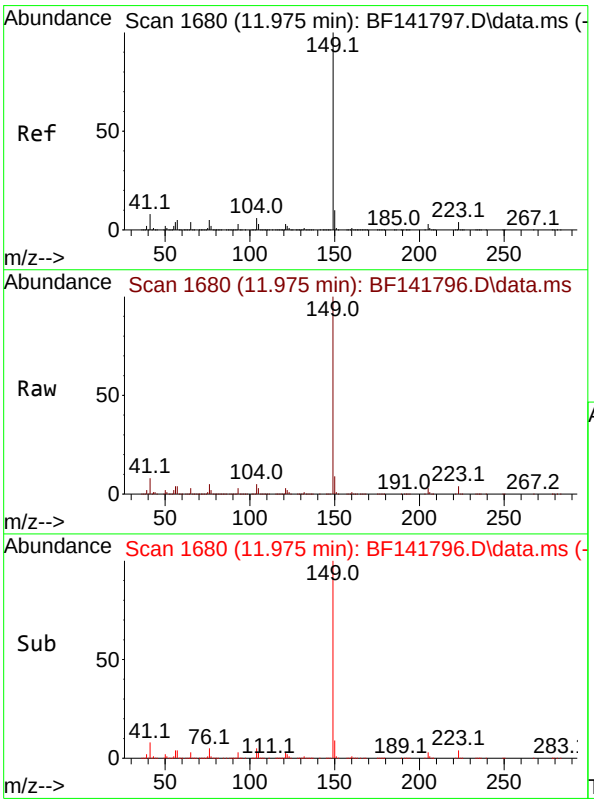
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	13.4	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
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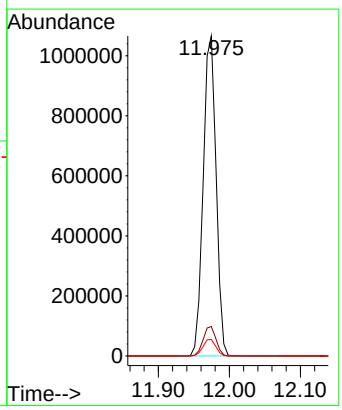
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

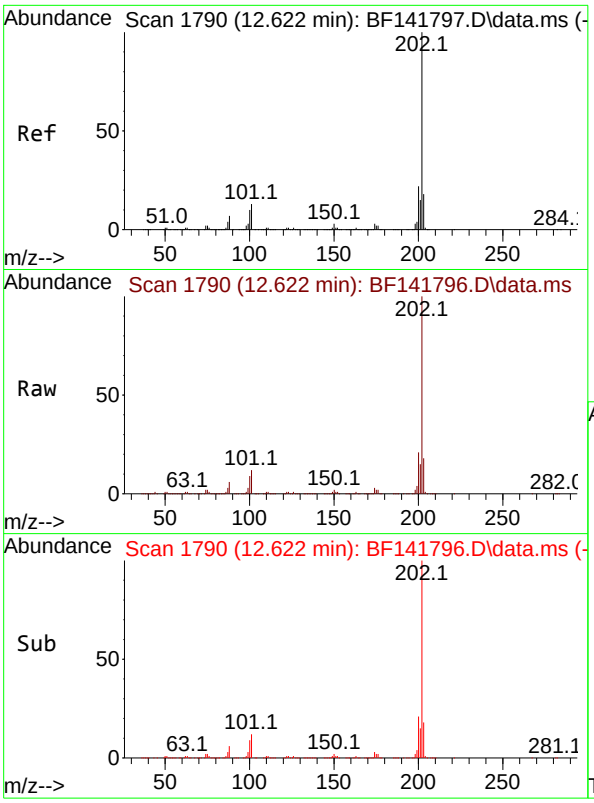


#74
Di-n-butylphthalate
Concen: 21.518 ng
RT: 11.975 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:149 Resp: 1345098

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.7	11.5
104	5.2	4.4	6.6

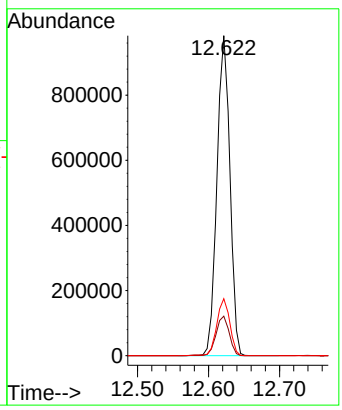




#75
Fluoranthene
Concen: 21.753 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:202 Resp: 124203

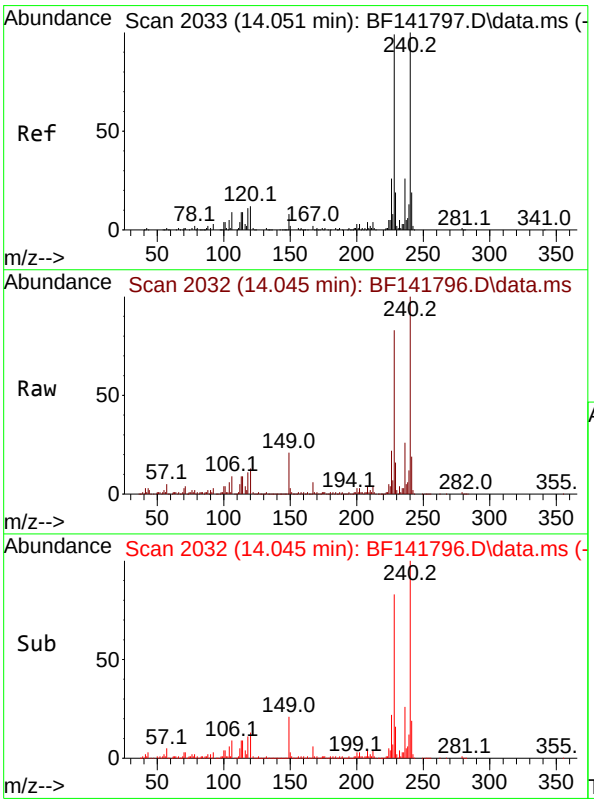
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.8
203	17.8	0.0	38.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

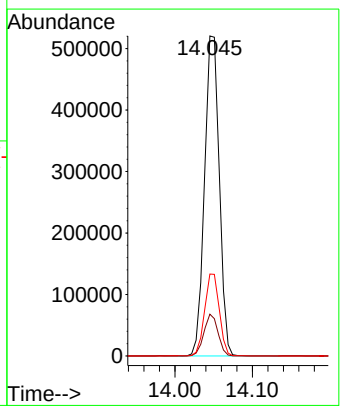
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

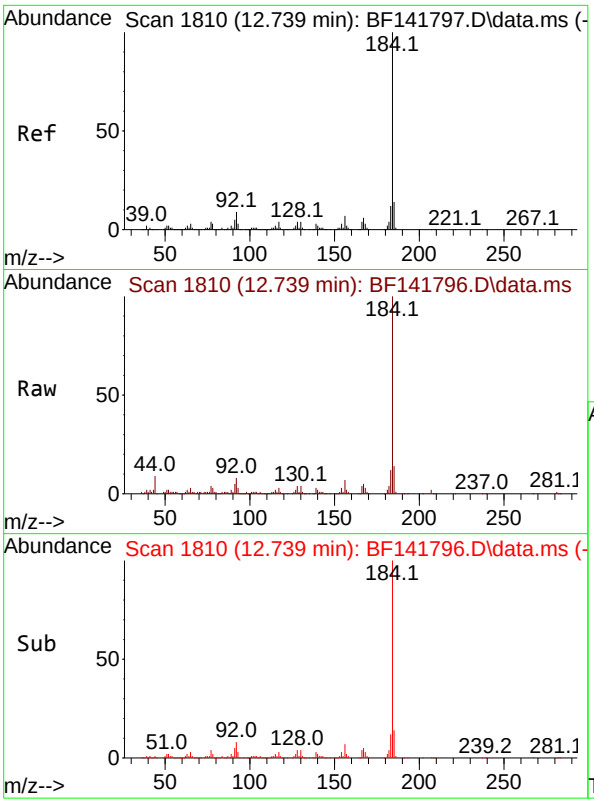


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:240 Resp: 688606

Ion	Ratio	Lower	Upper
240	100		
120	13.1	9.7	14.5
236	25.6	21.0	31.4

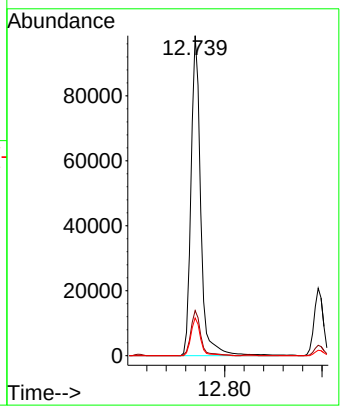




#77
Benzidine
Concen: 15.752 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:184 Resp: 13652

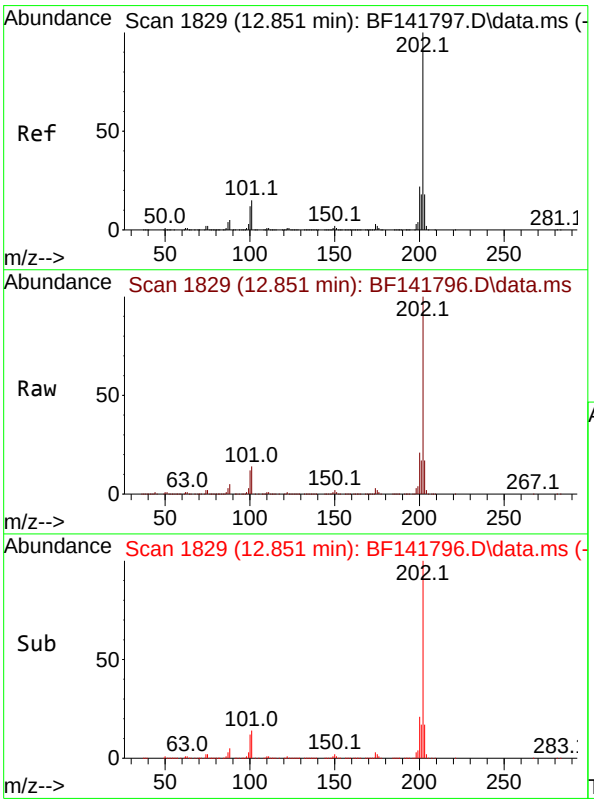
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.6	17.4
183	11.8	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

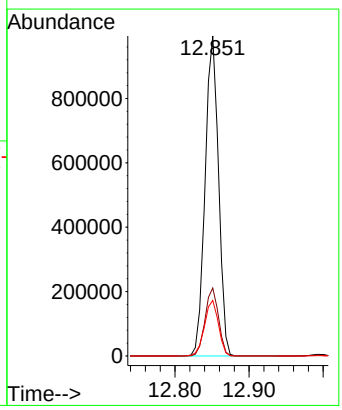
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

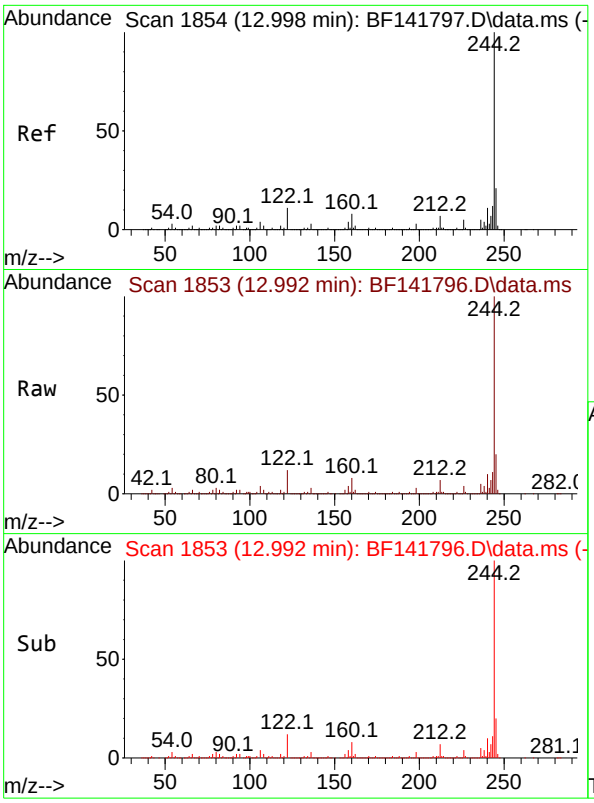


#78
Pyrene
Concen: 20.957 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:202 Resp: 1249647

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.0
203	17.4	14.6	22.0

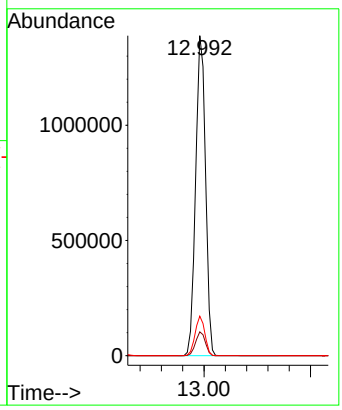




#79
Terphenyl-d14
Concen: 41.959 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:244 Resp: 178580

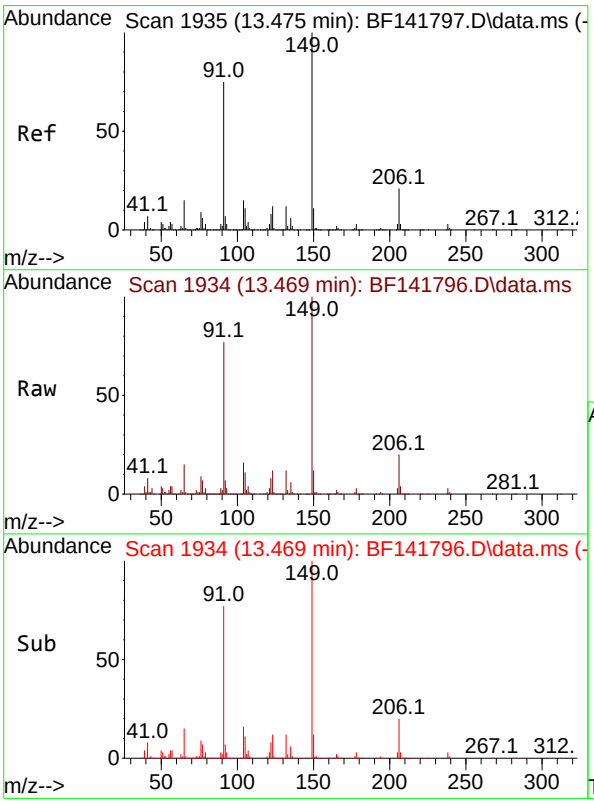
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	12.4	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

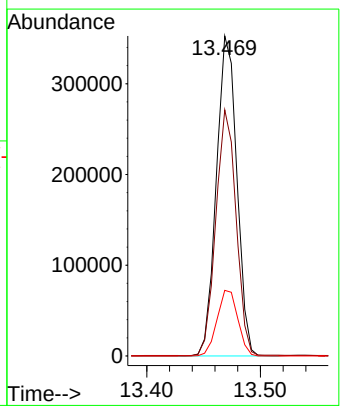
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

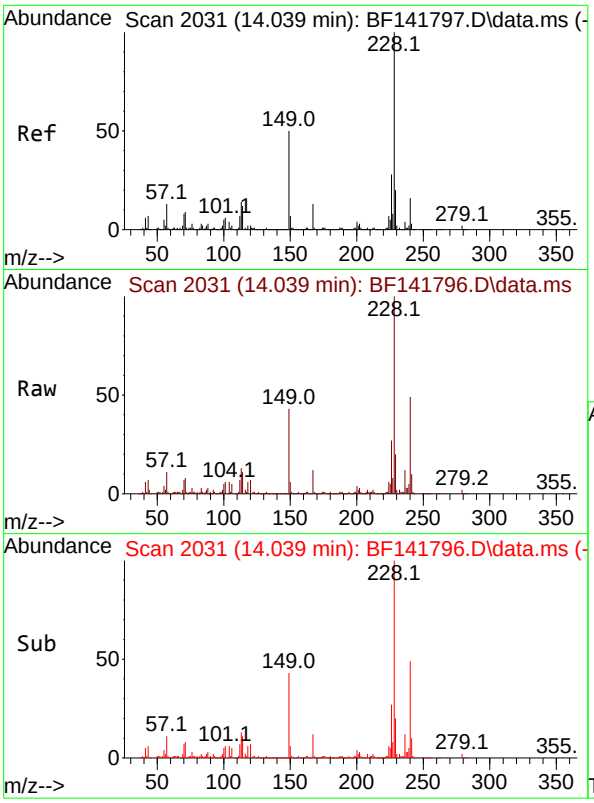


#80
Butylbenzylphthalate
Concen: 20.434 ng
RT: 13.469 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:149 Resp: 442702

Ion	Ratio	Lower	Upper
149	100		
91	76.9	60.1	90.1
206	20.5	16.8	25.2

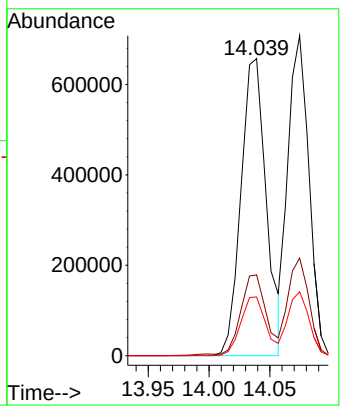




#81
Benzo(a)anthracene
Concen: 20.956 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:228 Resp: 95314

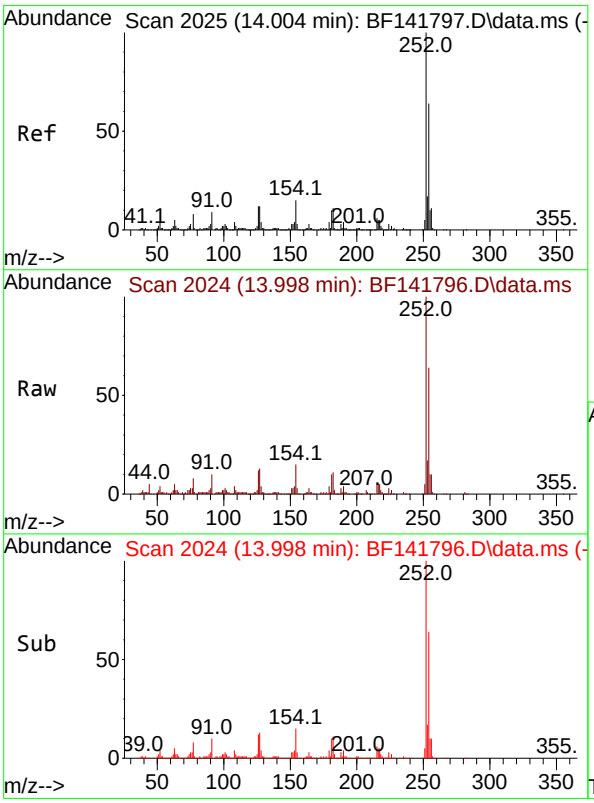
Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.1	33.1
229	19.8	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

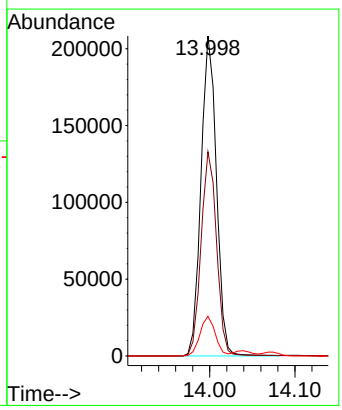
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

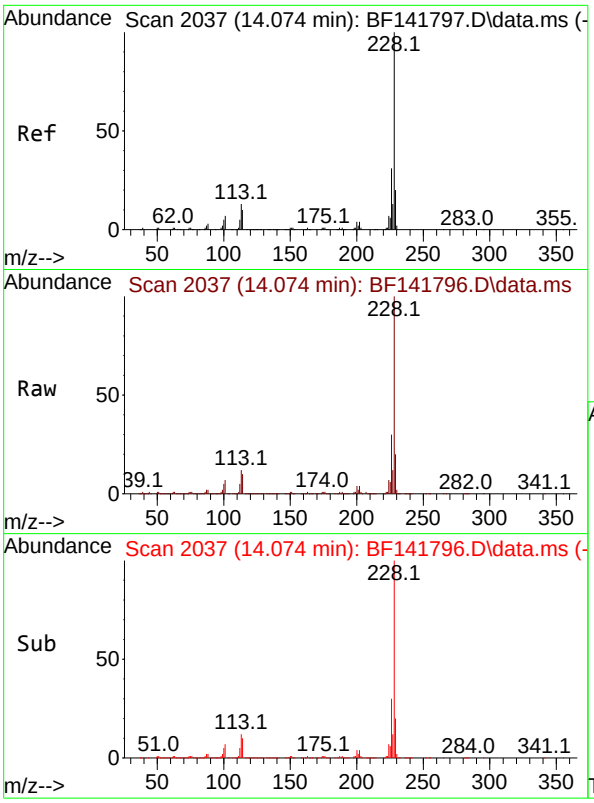


#82
3,3'-Dichlorobenzidine
Concen: 20.132 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:252 Resp: 262708

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.4	77.0
126	12.4	9.8	14.6

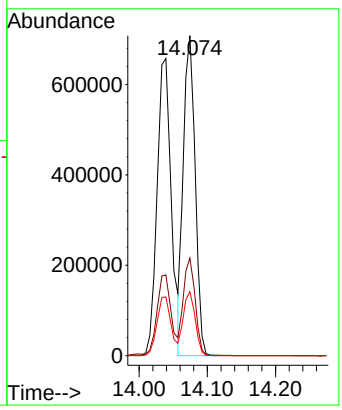




#83
Chrysene
Concen: 20.288 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:228 Resp: 85064

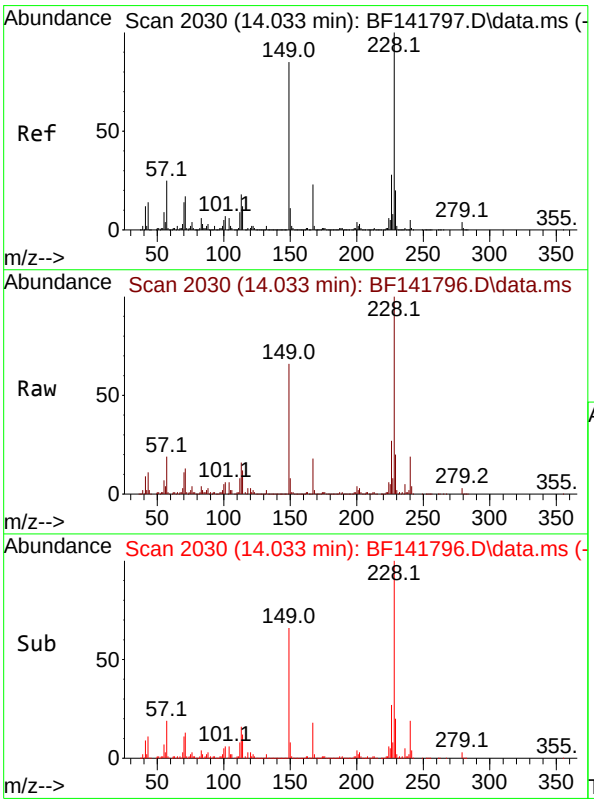
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.6	37.0
229	20.0	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

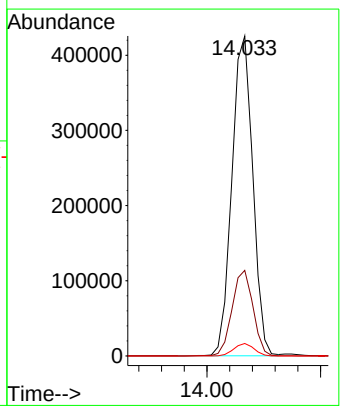
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

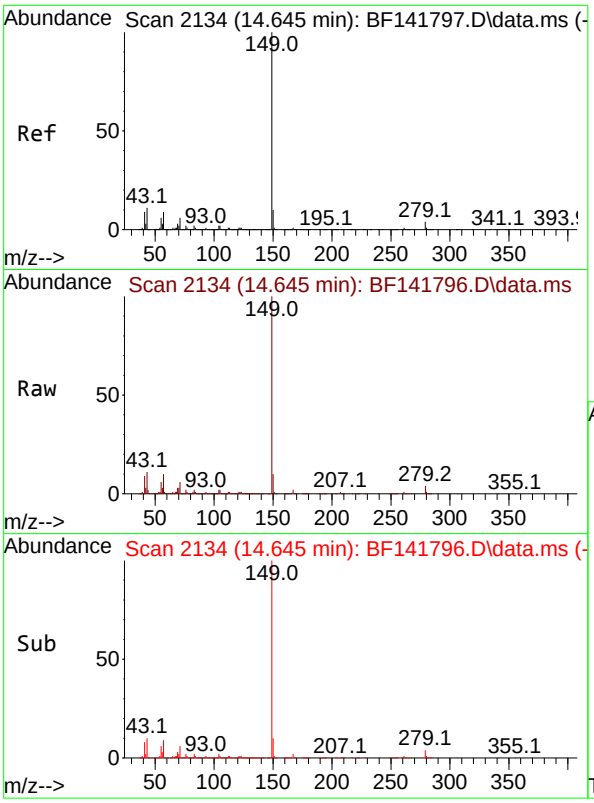


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.122 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:149 Resp: 542812

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.2	31.8
279	3.9	3.3	4.9

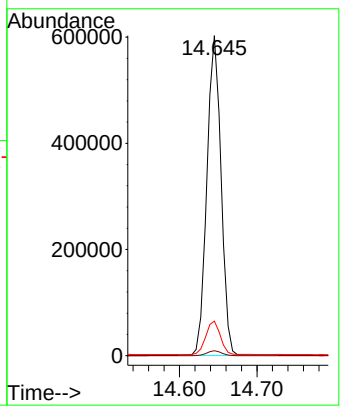




#85
Di-n-octyl phthalate
Concen: 18.910 ng
RT: 14.645 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:149 Resp: 76368

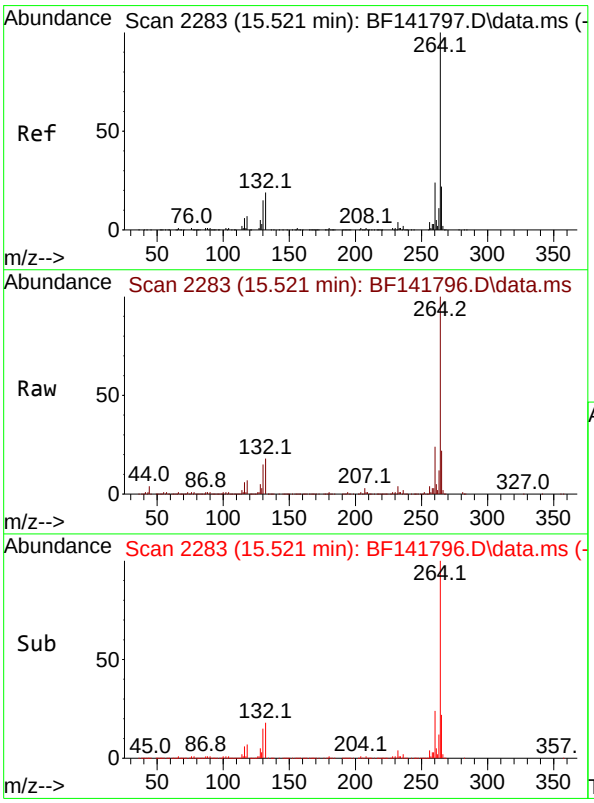
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.7	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

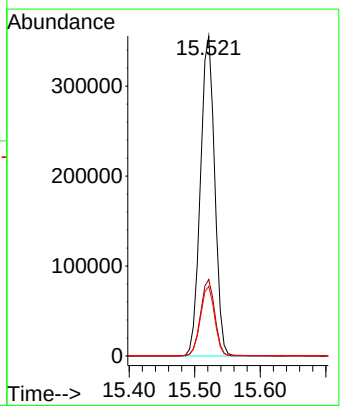
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

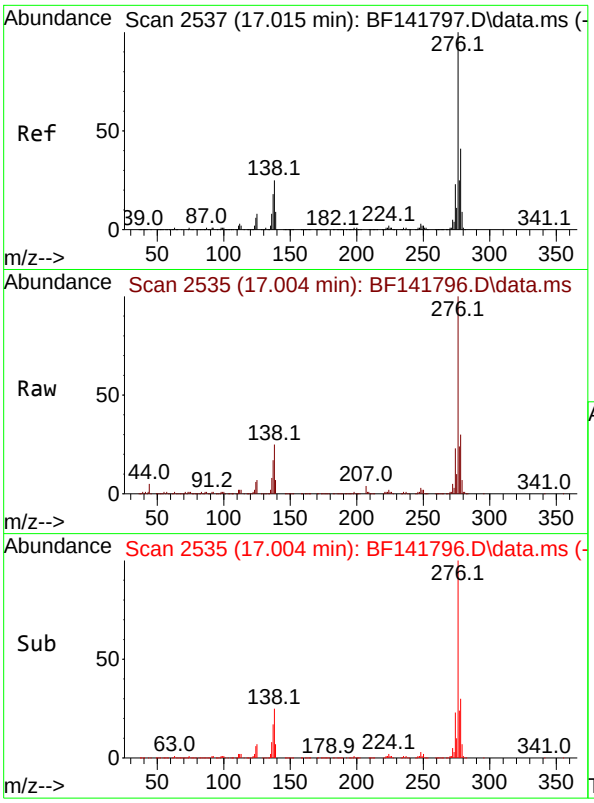


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:264 Resp: 539147

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	21.7	17.4	26.0

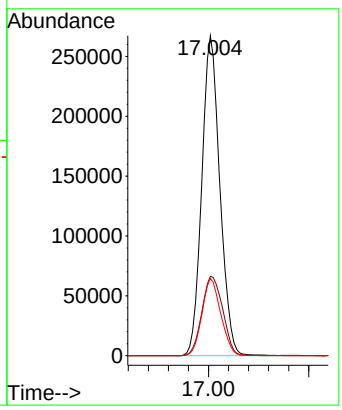




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.480 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:276 Resp: 66877

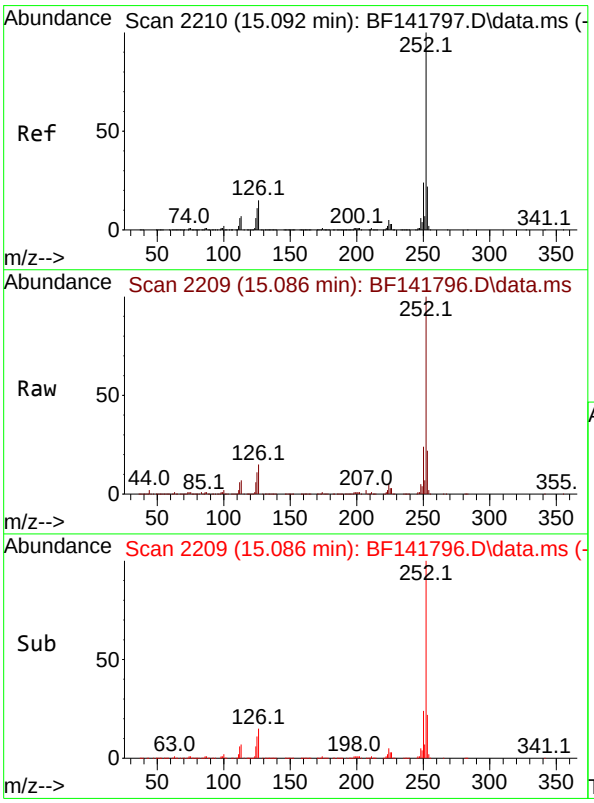
Ion	Ratio	Lower	Upper
276	100		
138	28.5	22.5	33.7
277	25.1	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

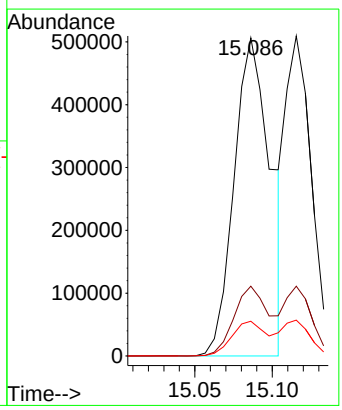
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

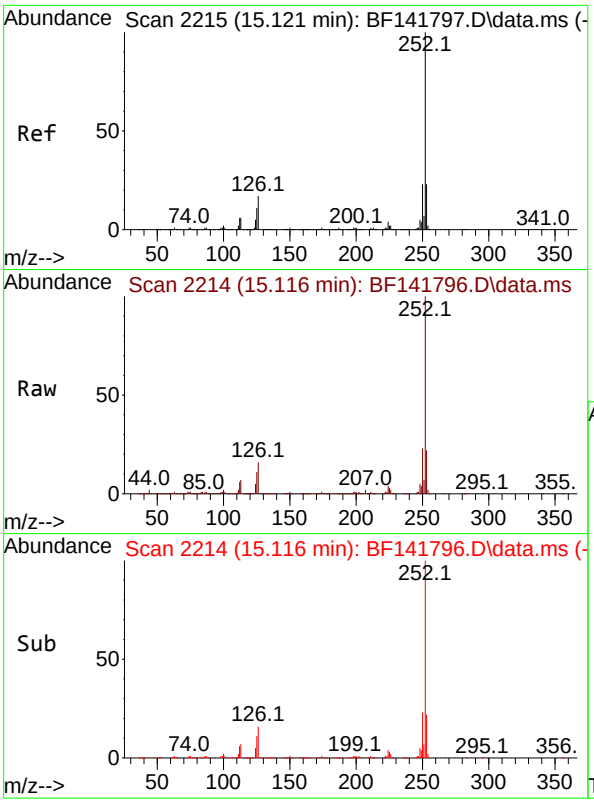


#88
Benzo(b)fluoranthene
Concen: 22.501 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:252 Resp: 826369

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.9	8.6	13.0

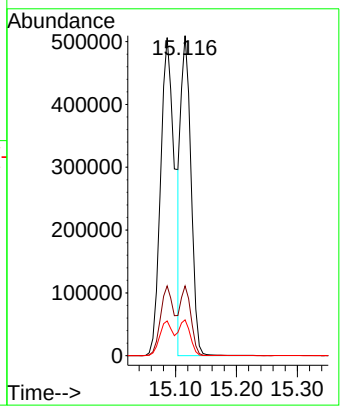




#89
Benzo(k)fluoranthene
Concen: 18.973 ng
RT: 15.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:252 Resp: 59225

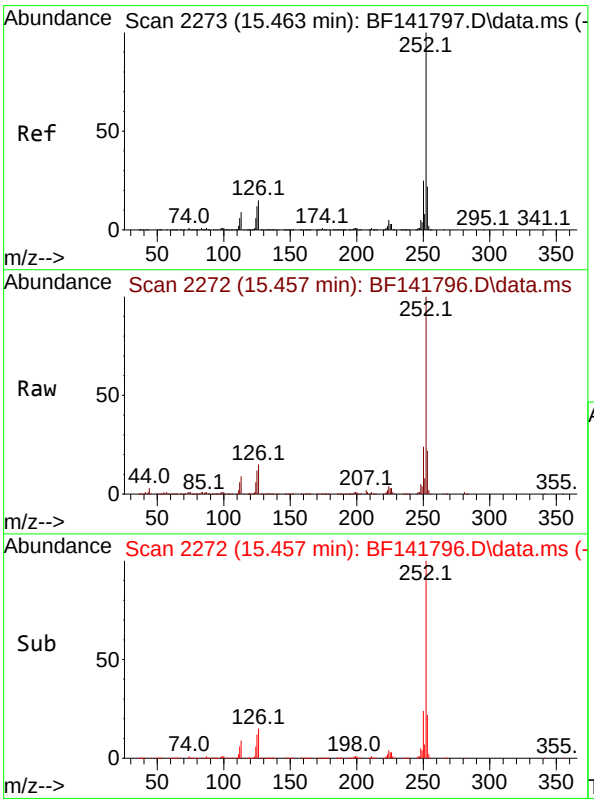
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	11.2	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

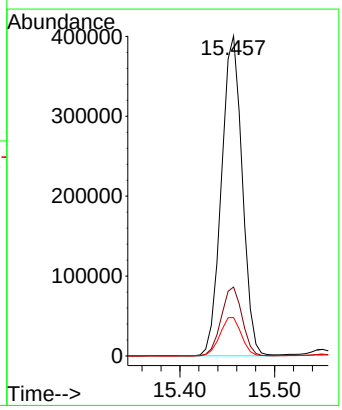
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

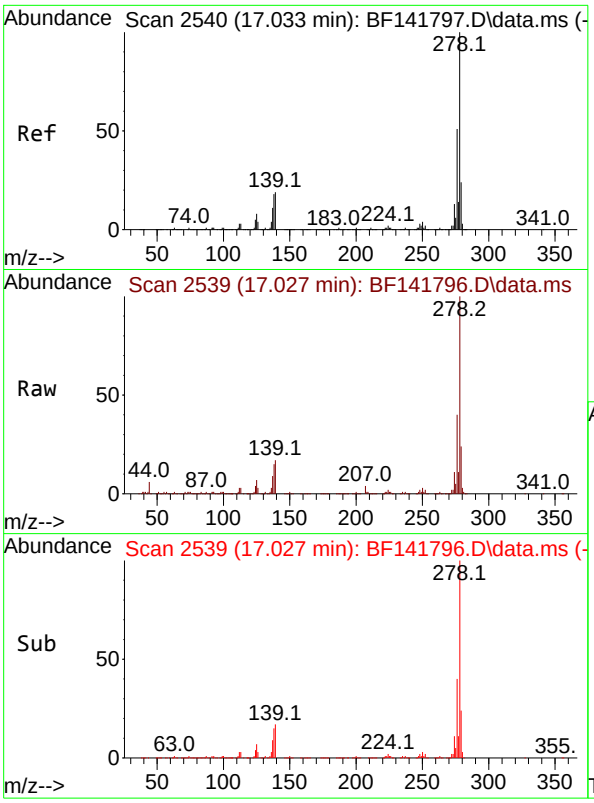


#90
Benzo(a)pyrene
Concen: 20.740 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:252 Resp: 610871

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	12.0	9.4	14.2

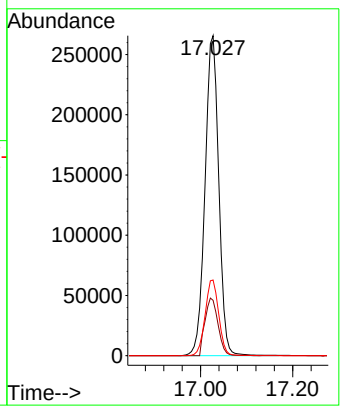




#91
Dibenzo(a,h)anthracene
Concen: 19.724 ng
RT: 17.027 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:278 Resp: 55272

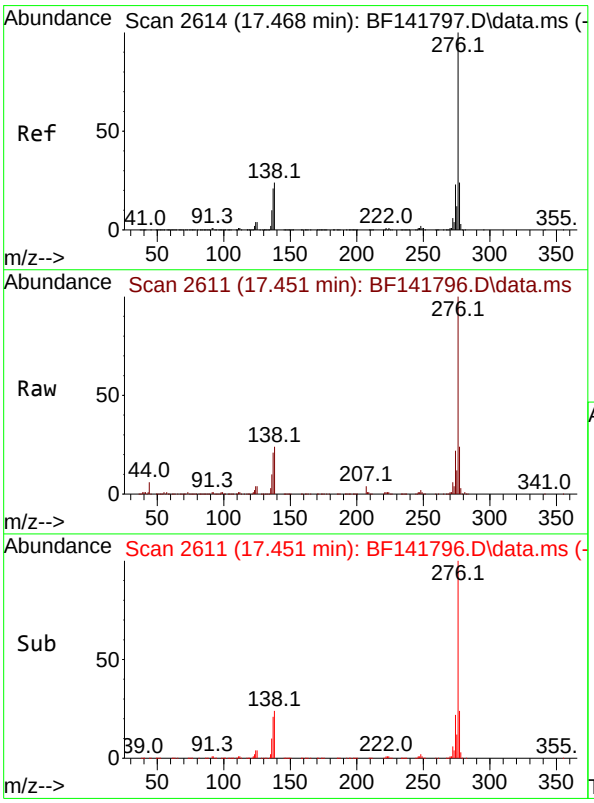
Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.9	22.3
279	23.7	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

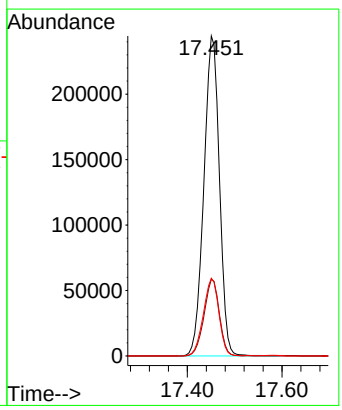
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#92
Benzo(g,h,i)perylene
Concen: 19.426 ng
RT: 17.451 min Scan# 2611
Delta R.T. -0.018 min
Lab File: BF141796.D
Acq: 27 Feb 2025 16:46

Tgt Ion:276 Resp: 557705

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.0
138	24.3	19.3	28.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141797.D
Acq On : 27 Feb 2025 17:16
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Quant Time: Feb 28 01:25:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	288066	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1155717	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	625246	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	1031875	20.000	ng	0.00
76) Chrysene-d12	14.051	240	629307	20.000	ng	0.00
86) Perylene-d12	15.521	264	567240	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	1481716	82.144	ng	0.00
7) Phenol-d6	6.510	99	1940706	82.660	ng	0.00
23) Nitrobenzene-d5	7.451	82	1577764	87.263	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	498702	84.959	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	3094072	79.348	ng	0.00
79) Terphenyl-d14	12.998	244	3170442	81.511	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	343299	41.944	ng	100
3) Pyridine	3.452	79	850494	41.764	ng	100
4) n-Nitrosodimethylamine	3.405	42	420465	42.911	ng	100
6) Aniline	6.557	93	1042452	42.941	ng	100
8) 2-Chlorophenol	6.675	128	813316	41.681	ng	100
9) Benzaldehyde	6.440	77	565698	41.423	ng	100
10) Phenol	6.522	94	1048185	41.904	ng	100
11) bis(2-Chloroethyl)ether	6.628	93	771641	40.349	ng	100
12) 1,3-Dichlorobenzene	6.834	146	866494	41.465	ng	100
13) 1,4-Dichlorobenzene	6.910	146	871351	41.384	ng	100
14) 1,2-Dichlorobenzene	7.063	146	807407	41.065	ng	100
15) Benzyl Alcohol	7.028	79	787264	41.957	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1197610	41.236	ng	100
17) 2-Methylphenol	7.134	107	670597	41.635	ng	100
18) Hexachloroethane	7.404	117	332747	42.223	ng	100
19) n-Nitroso-di-n-propyla...	7.304	70	626390	40.586	ng	100
20) 3+4-Methylphenols	7.287	107	830533	41.411	ng	100
22) Acetophenone	7.298	105	1147737	40.776	ng	100
24) Nitrobenzene	7.475	77	839887	43.379	ng	100
25) Isophorone	7.710	82	1575854	40.569	ng	100
26) 2-Nitrophenol	7.787	139	332584	39.357	ng	100
27) 2,4-Dimethylphenol	7.816	122	588158	41.191	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	1006606	40.624	ng	100
29) 2,4-Dichlorophenol	8.022	162	688860	41.819	ng	100
30) 1,2,4-Trichlorobenzene	8.110	180	737573	40.863	ng	100
31) Naphthalene	8.193	128	2410915	40.588	ng	100
32) Benzoic acid	7.934	122	442477	38.870	ng	100
33) 4-Chloroaniline	8.240	127	877082	40.271	ng	100
34) Hexachlorobutadiene	8.310	225	459338	40.952	ng	100
35) Caprolactam	8.610	113	211331m	41.695	ng	
36) 4-Chloro-3-methylphenol	8.710	107	752961	41.148	ng	100
37) 2-Methylnaphthalene	8.881	142	1565422	40.179	ng	100
38) 1-Methylnaphthalene	8.981	142	1506039	40.286	ng	100
40) 1,2,4,5-Tetrachloroben...	9.045	216	736508	40.786	ng	100
41) Hexachlorocyclopentadiene	9.040	237	323162	42.882	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	497182	42.623	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141797.D
Acq On : 27 Feb 2025 17:16
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 28 01:25:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	478749	41.448	ng	100
46) 1,1'-Biphenyl	9.351	154	1899694	39.917	ng	100
47) 2-Chloronaphthalene	9.375	162	1419149	40.402	ng	100
48) 2-Nitroaniline	9.463	65	375120	39.827	ng	100
49) Acenaphthylene	9.792	152	2139722	40.629	ng	100
50) Dimethylphthalate	9.651	163	1704601	40.710	ng	100
51) 2,6-Dinitrotoluene	9.710	165	321129	40.557	ng	100
52) Acenaphthene	9.963	154	1437821	40.461	ng	100
53) 3-Nitroaniline	9.875	138	346294	41.045	ng	100
54) 2,4-Dinitrophenol	9.975	184	115933	39.874	ng	100
55) Dibenzofuran	10.134	168	2079139	40.198	ng	100
56) 4-Nitrophenol	10.022	139	285537	46.172	ng	100
57) 2,4-Dinitrotoluene	10.110	165	391858	40.635	ng	100
58) Fluorene	10.475	166	1536139	39.650	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	424277	42.235	ng	100
60) Diethylphthalate	10.351	149	1729522	41.203	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	775274	39.939	ng	100
62) 4-Nitroaniline	10.492	138	333830	46.685	ng	100
63) Azobenzene	10.628	77	1796906	40.657	ng	100
65) 4,6-Dinitro-2-methylph...	10.516	198	179018	38.731	ng	100
66) n-Nitrosodiphenylamine	10.586	169	1371761	40.485	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	490816	40.722	ng	100
68) Hexachlorobenzene	11.022	284	518266	40.721	ng	100
69) Atrazine	11.110	200	369439	39.649	ng	100
70) Pentachlorophenol	11.210	266	347791	43.086	ng	100
71) Phenanthrene	11.439	178	2214957	40.130	ng	100
72) Anthracene	11.486	178	2204147	39.845	ng	100
73) Carbazole	11.639	167	1971491	40.358	ng	100
74) Di-n-butylphthalate	11.975	149	2493783	40.274	ng	100
75) Fluoranthene	12.622	202	2248284	39.753	ng	100
77) Benzidine	12.739	184	326609	41.235	ng	100
78) Pyrene	12.851	202	2259888	41.470	ng	100
80) Butylbenzylphthalate	13.475	149	840509	42.452	ng	100
81) Benzo(a)anthracene	14.039	228	1651930	39.742	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	494528	41.467	ng	100
83) Chrysene	14.074	228	1591812	41.543	ng	100
84) Bis(2-ethylhexyl)phtha...	14.033	149	1046693	42.458	ng	100
85) Di-n-octyl phthalate	14.645	149	1644901	44.568	ng	100
87) Indeno(1,2,3-cd)pyrene	17.015	276	1526575	42.264	ng	100
88) Benzo(b)fluoranthene	15.092	252	1481931	38.353	ng	100
89) Benzo(k)fluoranthene	15.121	252	1377470	41.943	ng	100
90) Benzo(a)pyrene	15.463	252	1269914	40.981	ng	100
91) Dibenzo(a,h)anthracene	17.033	278	1257866	42.664	ng	100
92) Benzo(g,h,i)perylene	17.468	276	1281590	42.430	ng	100

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

ICAL Form

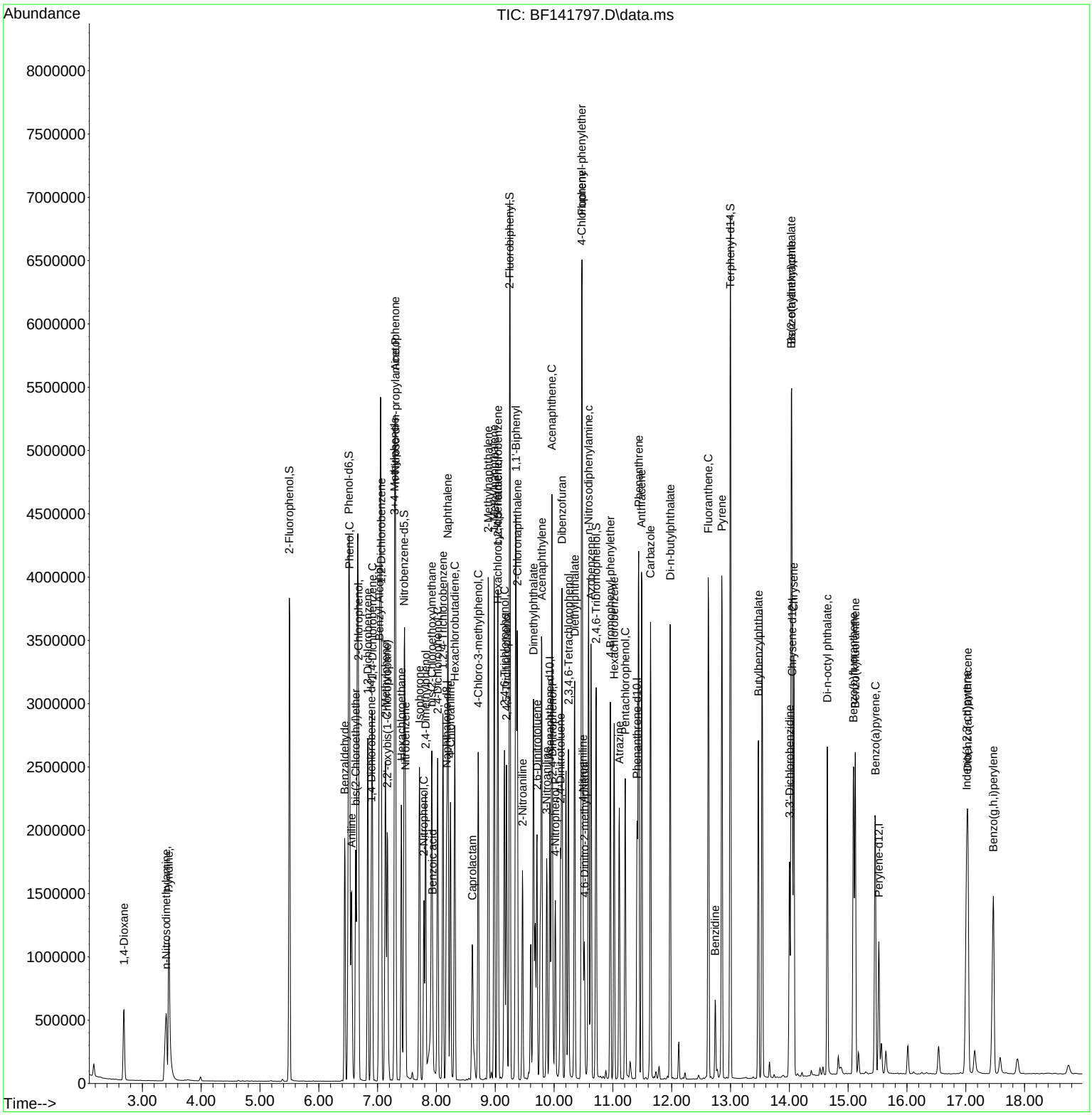
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141797.D
Acq On : 27 Feb 2025 17:16
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

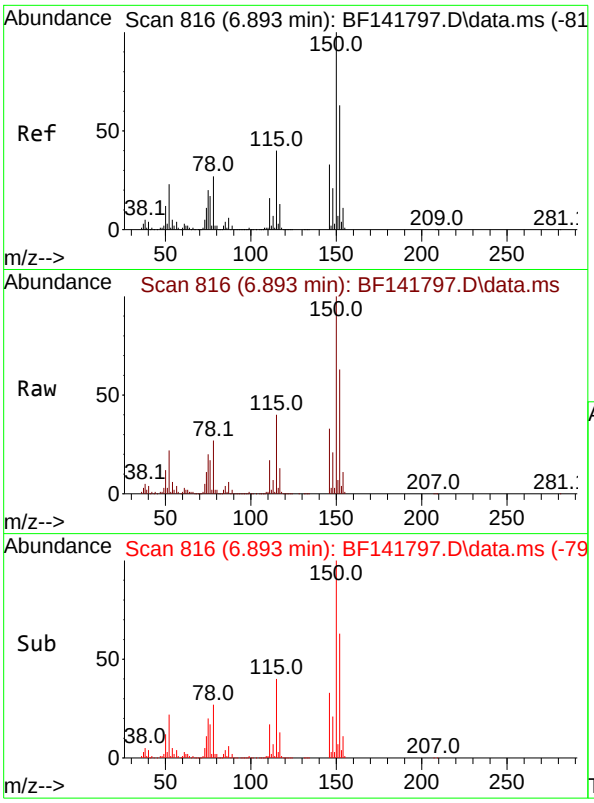
Quant Time: Feb 28 01:25:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

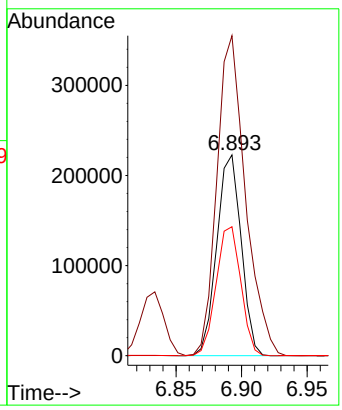




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:152 Resp: 28806

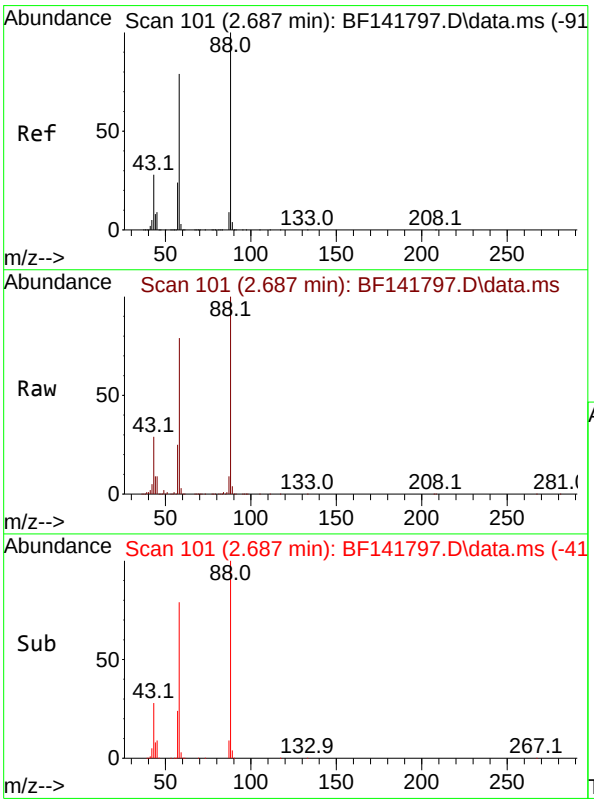
Ion	Ratio	Lower	Upper
152	100		
150	159.4	127.5	191.3
115	64.3	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

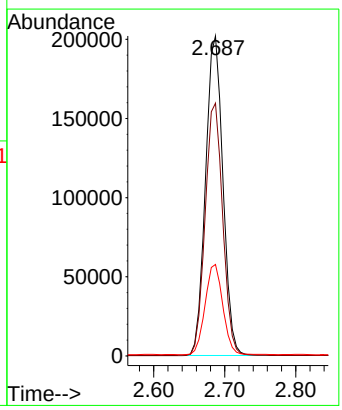
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

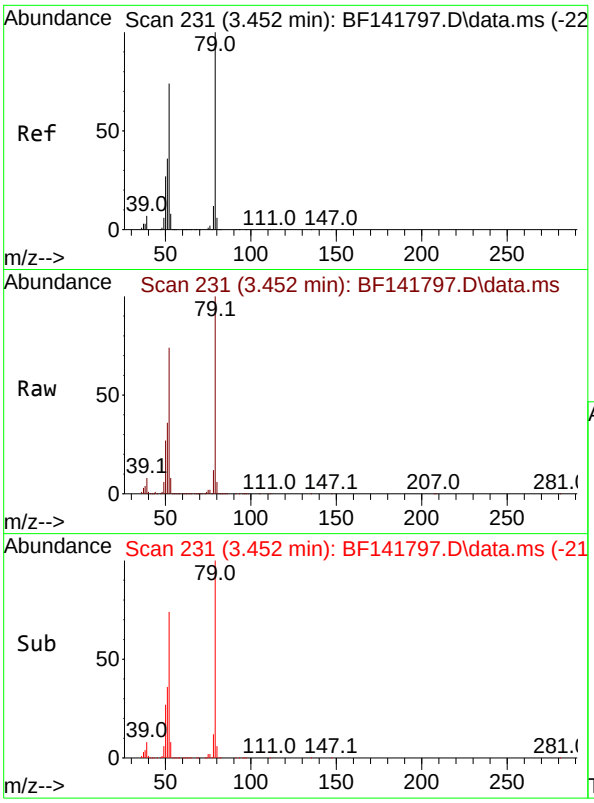


#2
1,4-Dioxane
Concen: 41.944 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 88 Resp: 343299

Ion	Ratio	Lower	Upper
88	100		
58	79.9	63.9	95.9
43	28.8	23.0	34.6





#3
Pyridine
Concen: 41.764 ng
RT: 3.452 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

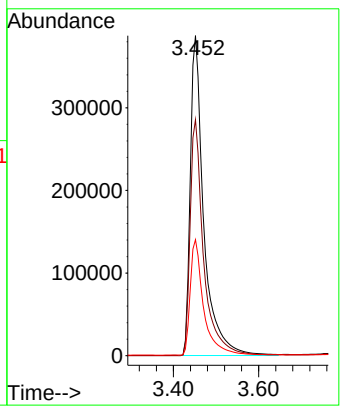
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

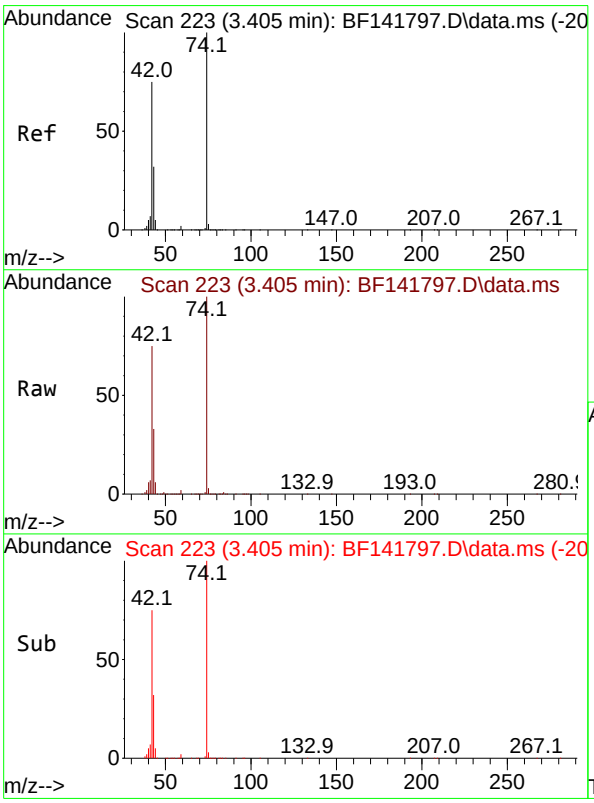
Tgt Ion: 79 Resp: 85049

Ion	Ratio	Lower	Upper
79	100		
52	73.7	59.0	88.4
51	36.2	29.0	43.4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

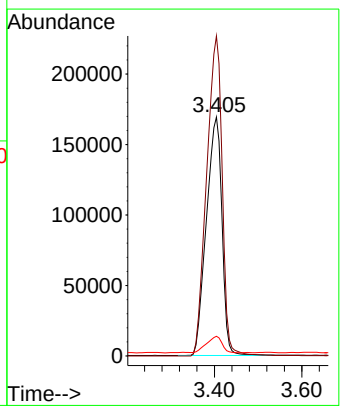


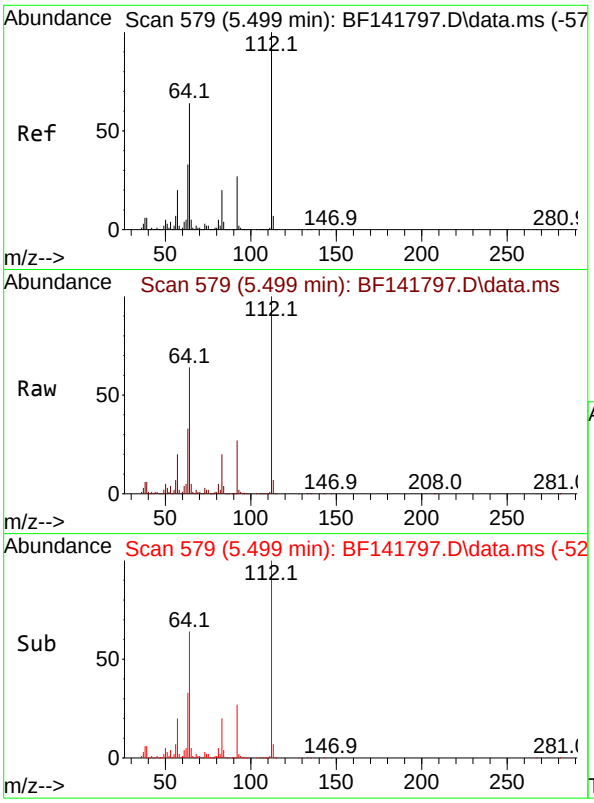


#4
n-Nitrosodimethylamine
Concen: 42.911 ng
RT: 3.405 min Scan# 223
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 42 Resp: 420465

Ion	Ratio	Lower	Upper
42	100		
74	133.9	107.1	160.7
44	8.2	6.6	9.8





#5
2-Fluorophenol
Concen: 82.144 ng
RT: 5.499 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

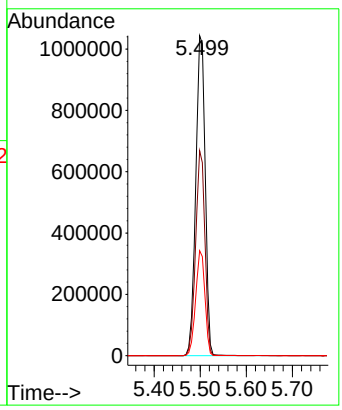
Tgt Ion:112 Resp: 148171(

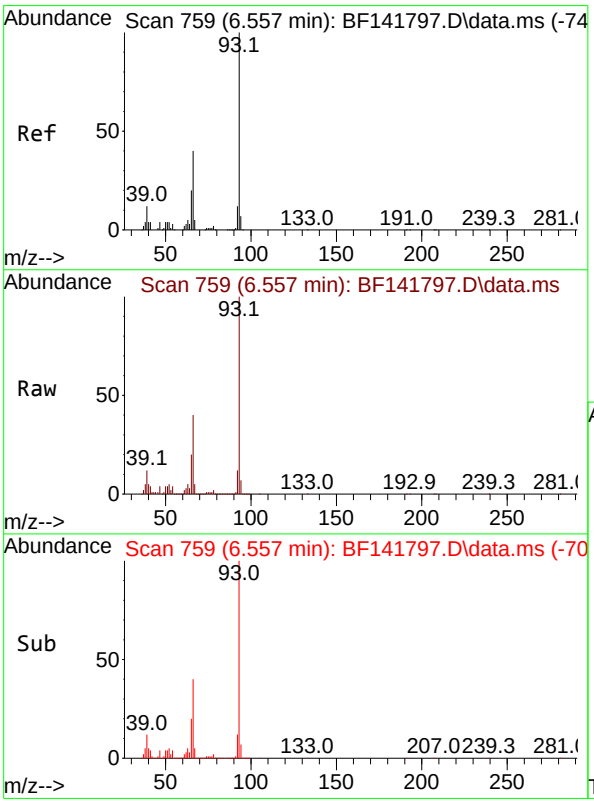
Ion	Ratio	Lower	Upper
112	100		
64	64.1	51.3	76.9
63	32.8	26.2	39.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

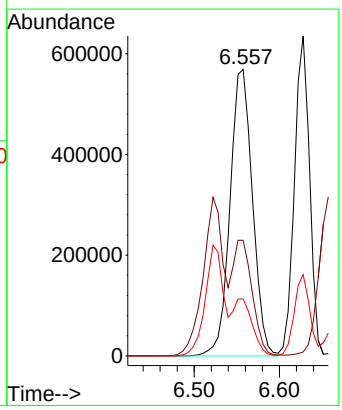


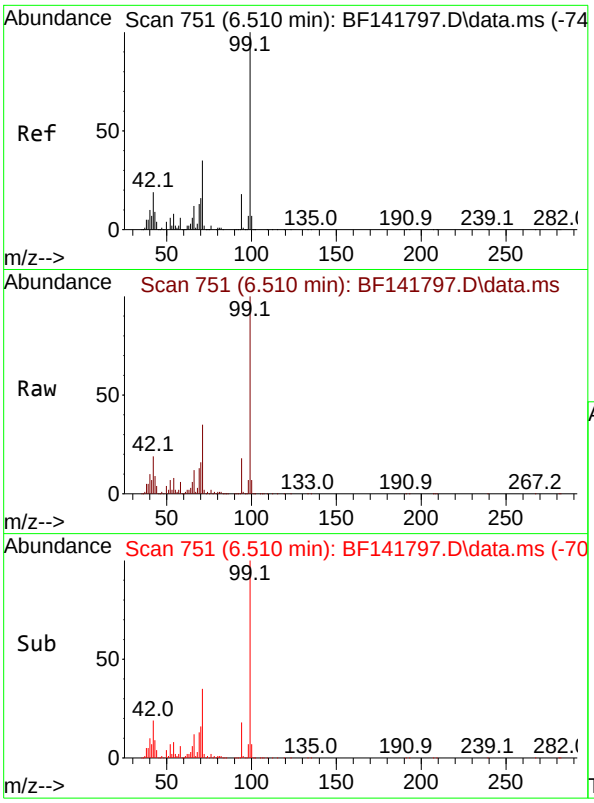


#6
Aniline
Concen: 42.941 ng
RT: 6.557 min Scan# 759
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 93 Resp: 1042452

Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.3	48.5
65	19.9	15.9	23.9

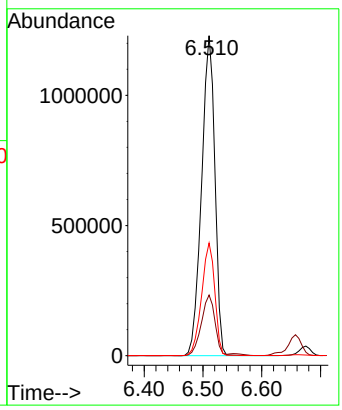




#7
Phenol-d6
Concen: 82.660 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 99 Resp: 194070

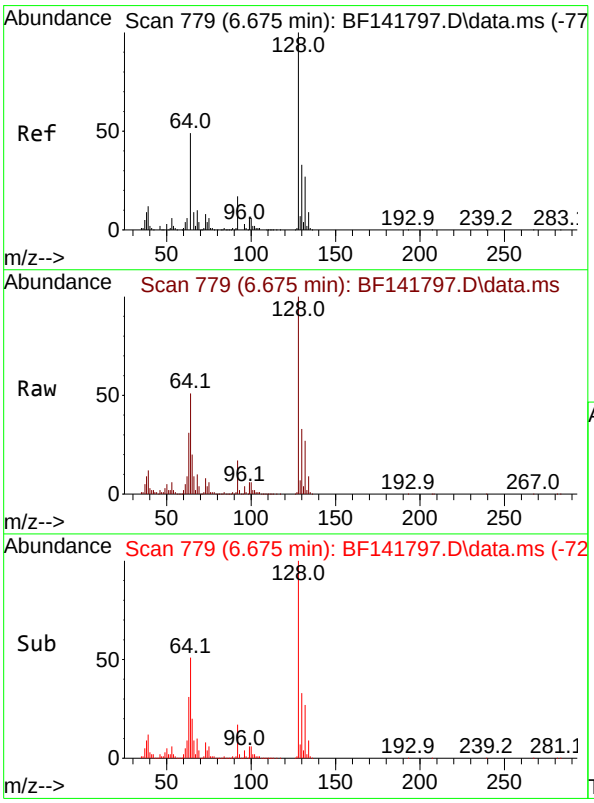
Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.2	22.8
71	35.2	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

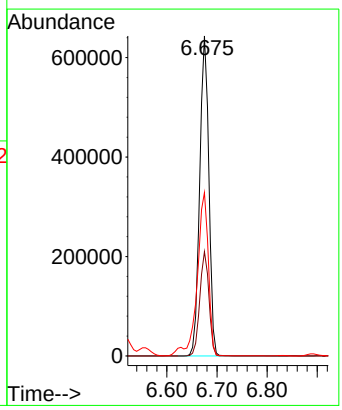
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

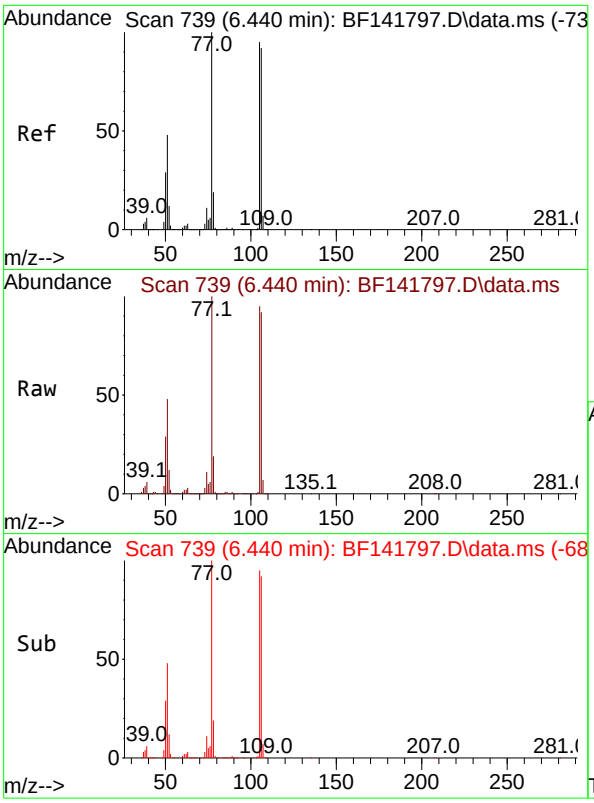


#8
2-Chlorophenol
Concen: 41.681 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:128 Resp: 813316

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	51.1	31.1	71.1

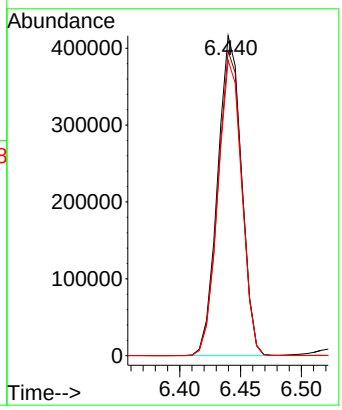




#9
Benzaldehyde
Concen: 41.423 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 77 Resp: 56569

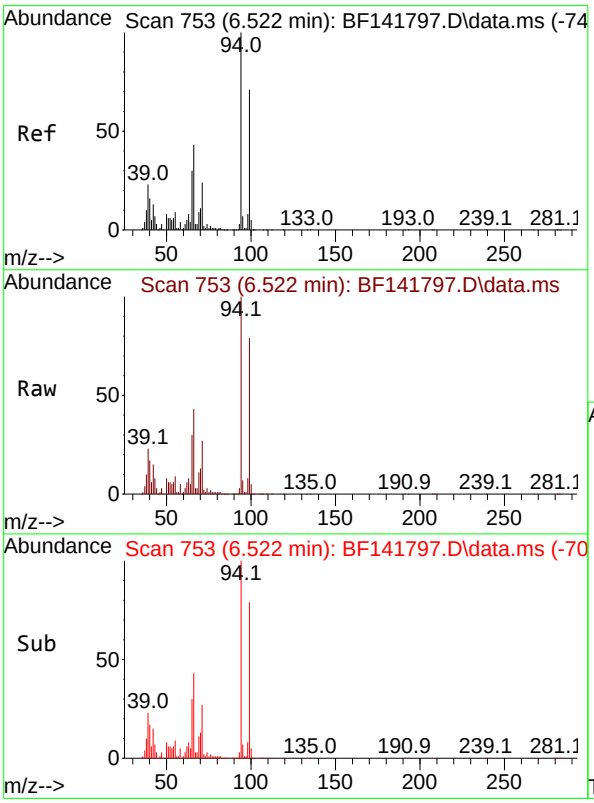
Ion	Ratio	Lower	Upper
77	100		
105	95.3	75.3	115.3
106	92.3	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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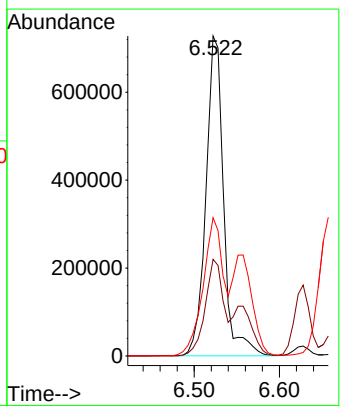
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

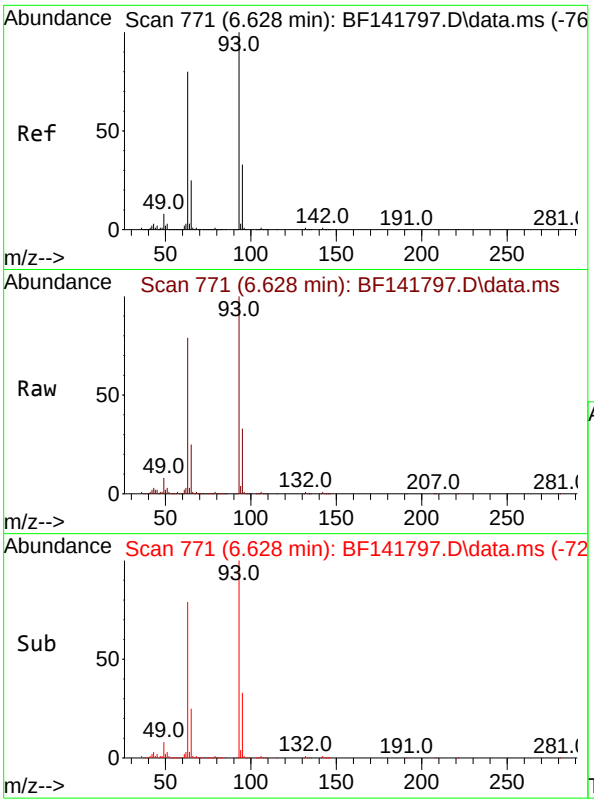


#10
Phenol
Concen: 41.904 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 94 Resp: 1048185

Ion	Ratio	Lower	Upper
94	100		
65	30.2	10.2	50.2
66	43.2	23.2	63.2

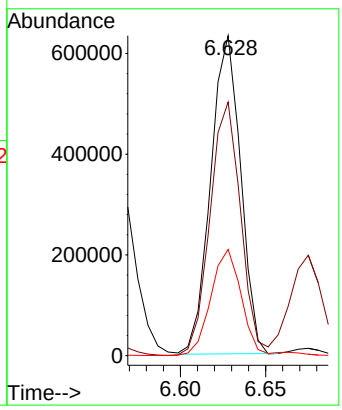




#11
bis(2-Chloroethyl)ether
Concen: 40.349 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 93 Resp: 77164

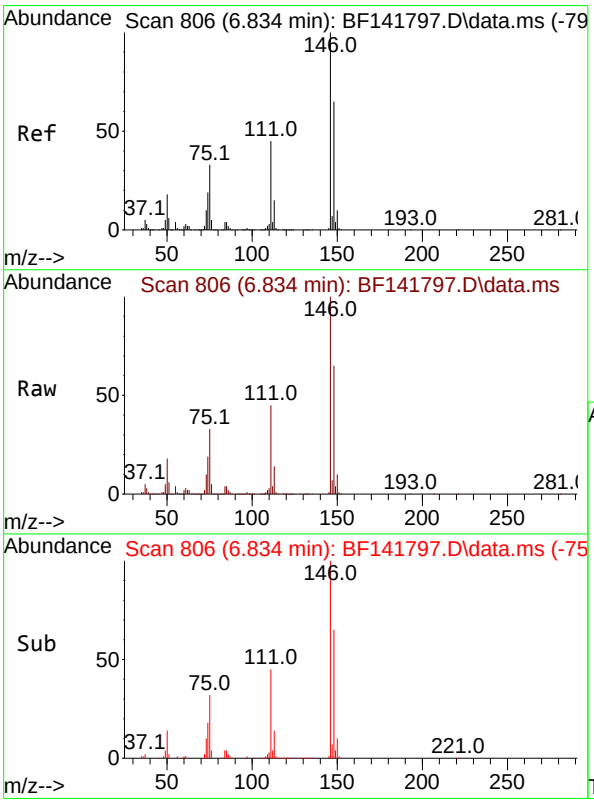
Ion	Ratio	Lower	Upper
93	100		
63	79.3	59.3	99.3
95	33.2	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

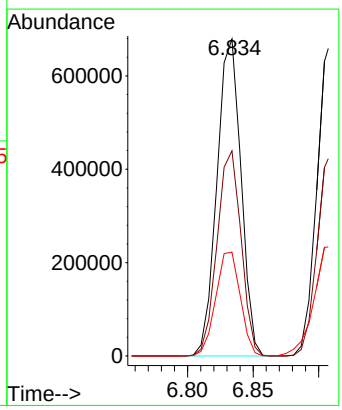
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

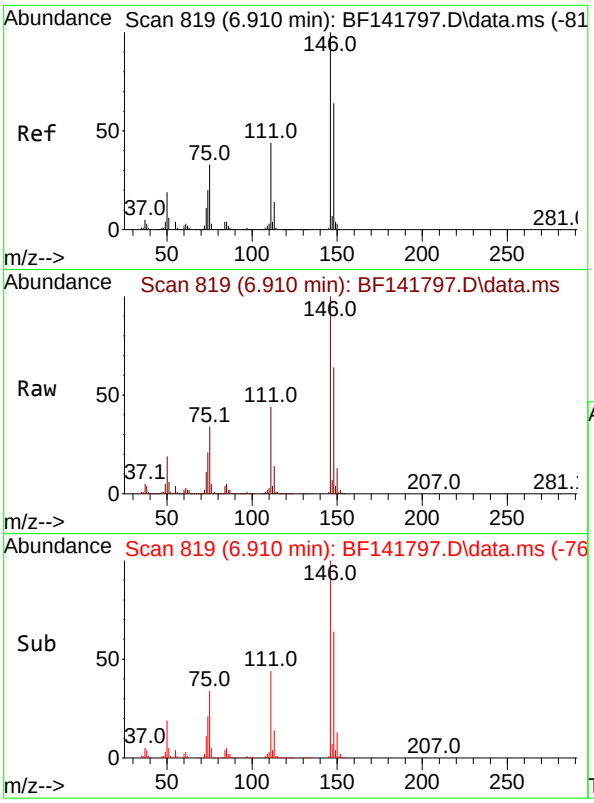


#12
1,3-Dichlorobenzene
Concen: 41.465 ng
RT: 6.834 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:146 Resp: 866494

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.6
75	32.8	26.2	39.4

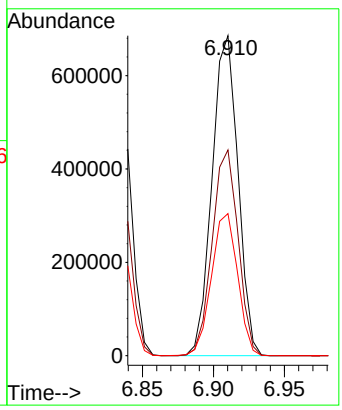




#13
1,4-Dichlorobenzene
Concen: 41.384 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:146 Resp: 87135

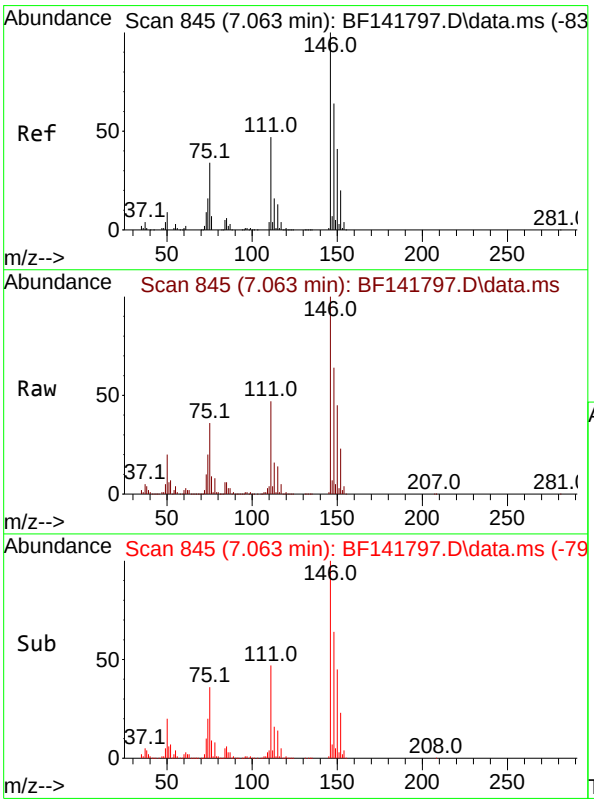
Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.4	77.2
111	44.4	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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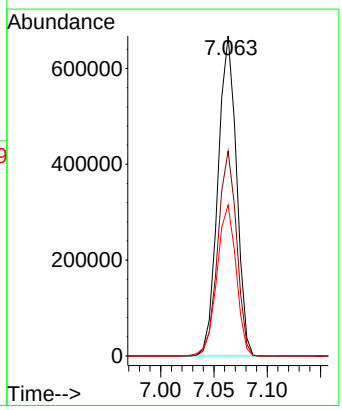
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

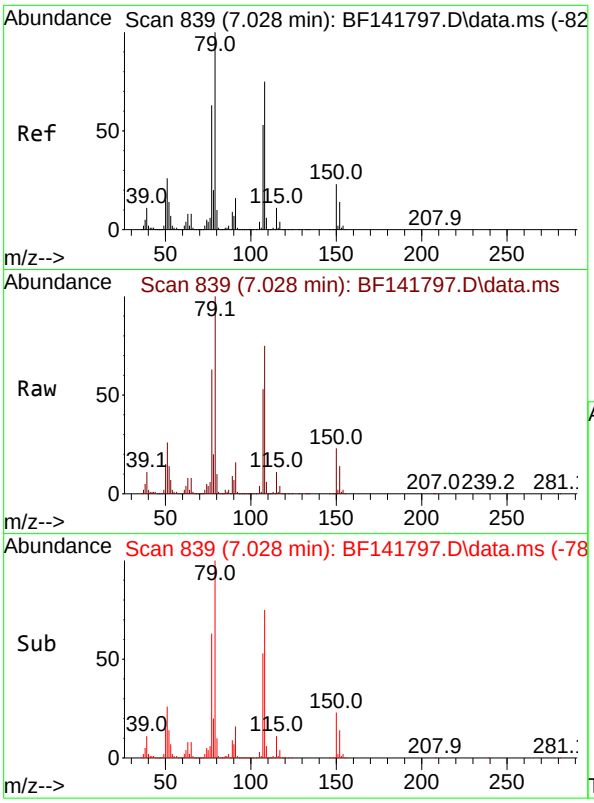


#14
1,2-Dichlorobenzene
Concen: 41.065 ng
RT: 7.063 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:146 Resp: 807407

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
111	47.2	37.8	56.6





#15
Benzyl Alcohol
Concen: 41.957 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

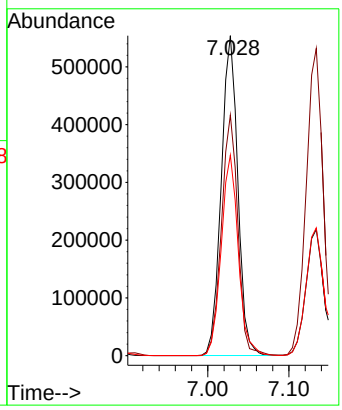
Tgt Ion: 79 Resp: 78726

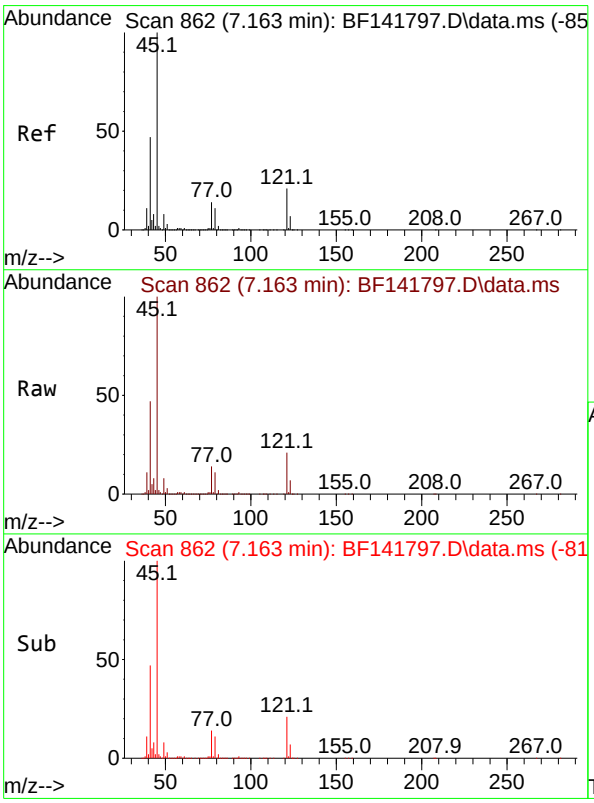
Ion	Ratio	Lower	Upper
79	100		
108	75.2	60.2	90.2
77	62.7	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

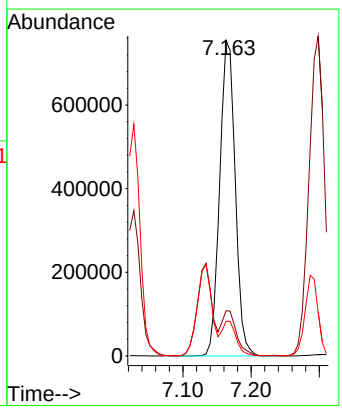


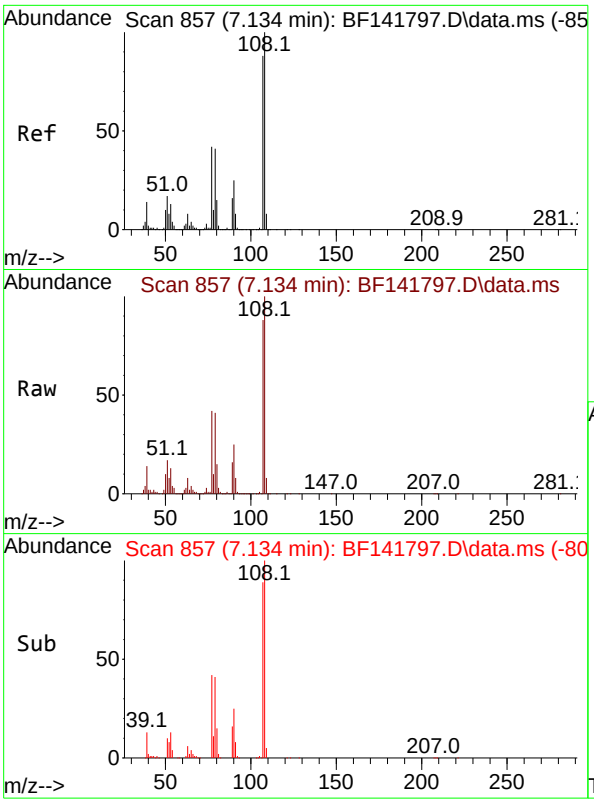


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.236 ng
RT: 7.163 min Scan# 862
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 45 Resp: 1197610

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	34.4
79	10.9	0.0	30.9

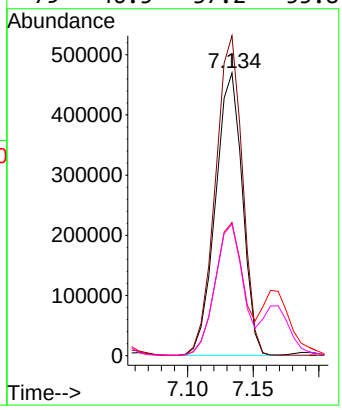




#17
2-Methylphenol
Concen: 41.635 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:107 Resp: 67059

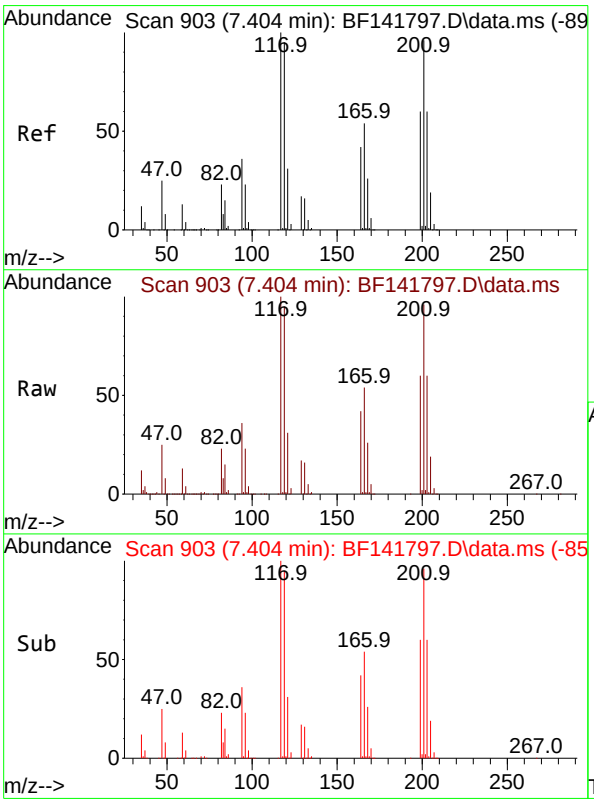
Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.6	135.8
77	47.1	37.7	56.5
79	46.5	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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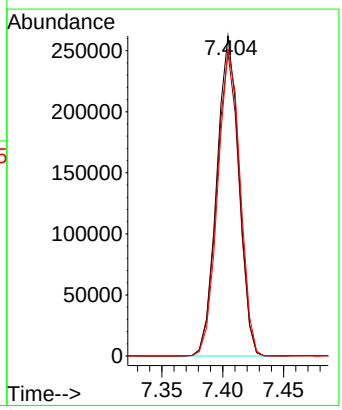
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

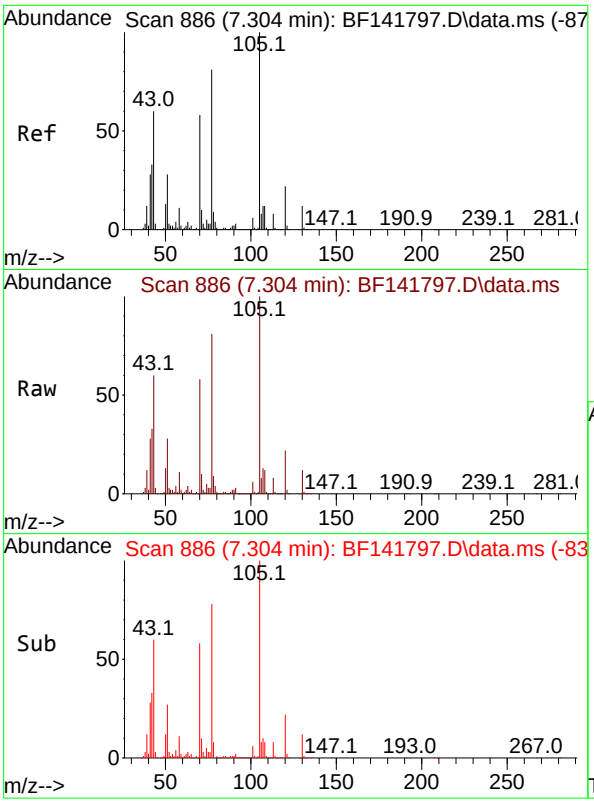


#18
Hexachloroethane
Concen: 42.223 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:117 Resp: 332747

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.8
201	95.9	76.7	115.1

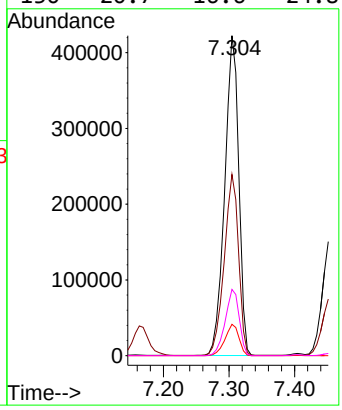




#19
n-Nitroso-di-n-propylamine
Concen: 40.586 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 70 Resp: 62639

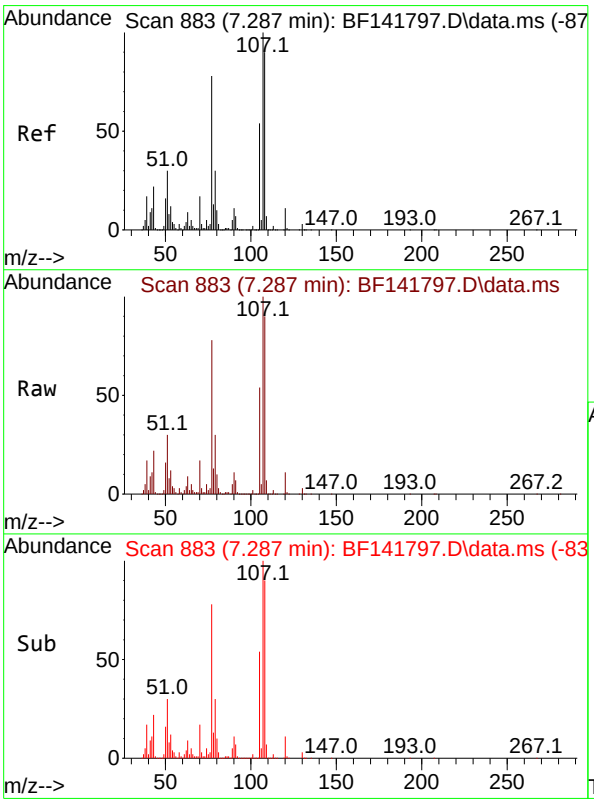
Ion	Ratio	Lower	Upper
70	100		
42	56.7	45.4	68.0
101	9.8	7.8	11.8
130	20.7	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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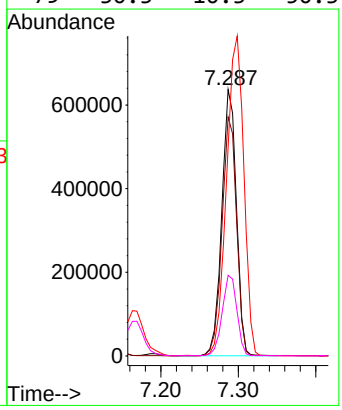
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

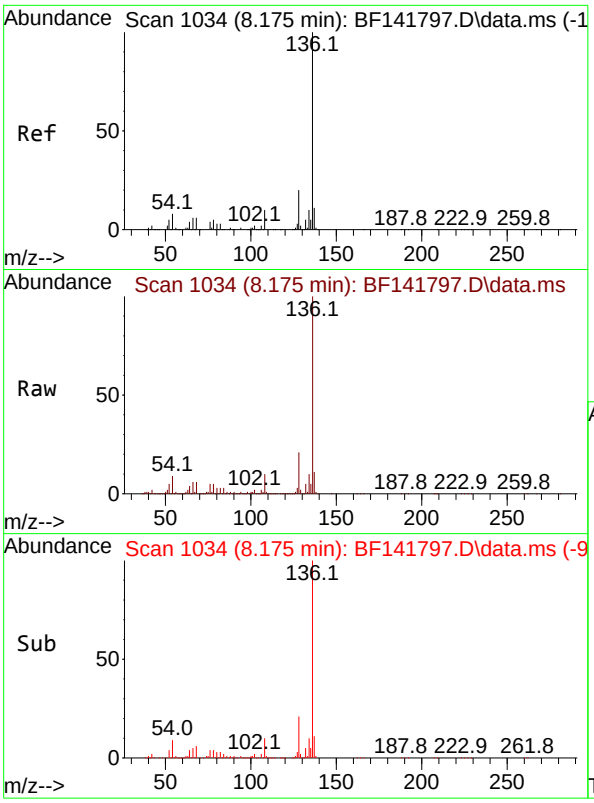


#20
3+4-Methylphenols
Concen: 41.411 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:107 Resp: 830533

Ion	Ratio	Lower	Upper
107	100		
108	89.7	69.7	109.7
77	78.3	58.3	98.3
79	30.3	10.3	50.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

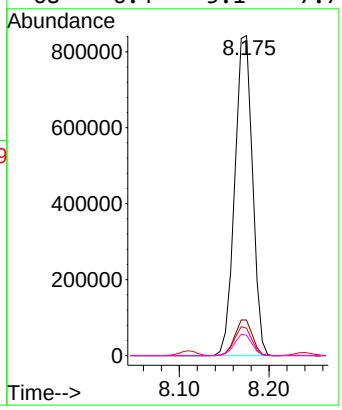
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

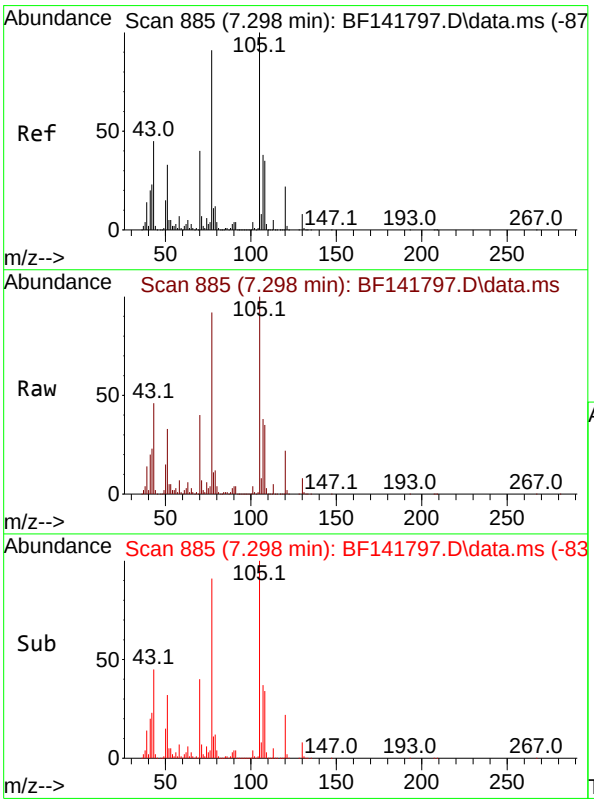
Tgt Ion:136 Resp: 115571

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.6	6.9	10.3
68	6.4	5.1	7.7

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

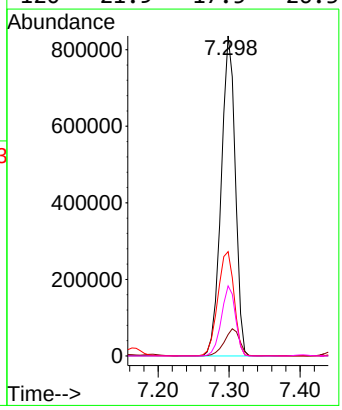


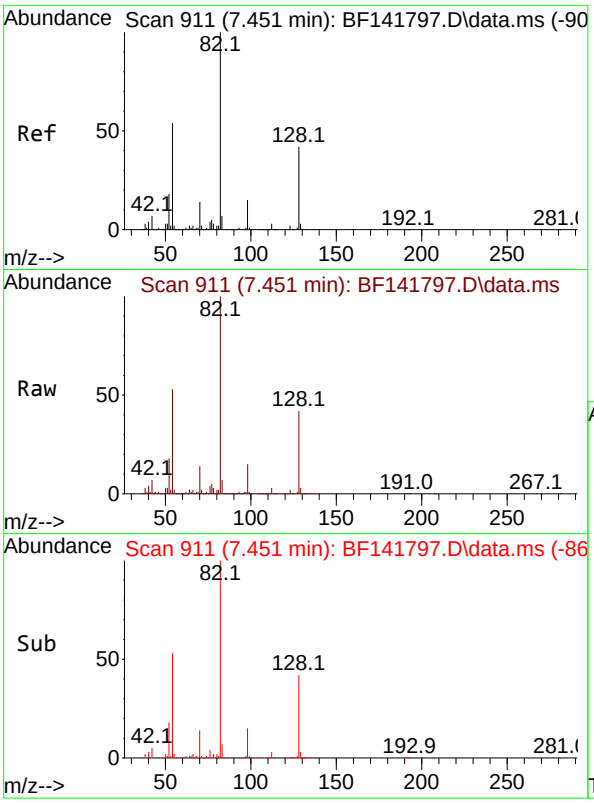


#22
Acetophenone
Concen: 40.776 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:105 Resp: 1147737

Ion	Ratio	Lower	Upper
105	100		
71	6.7	5.4	8.0
51	32.6	26.1	39.1
120	21.9	17.5	26.3

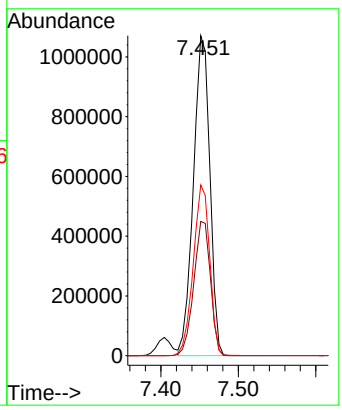




#23
Nitrobenzene-d5
Concen: 87.263 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 82 Resp: 157776

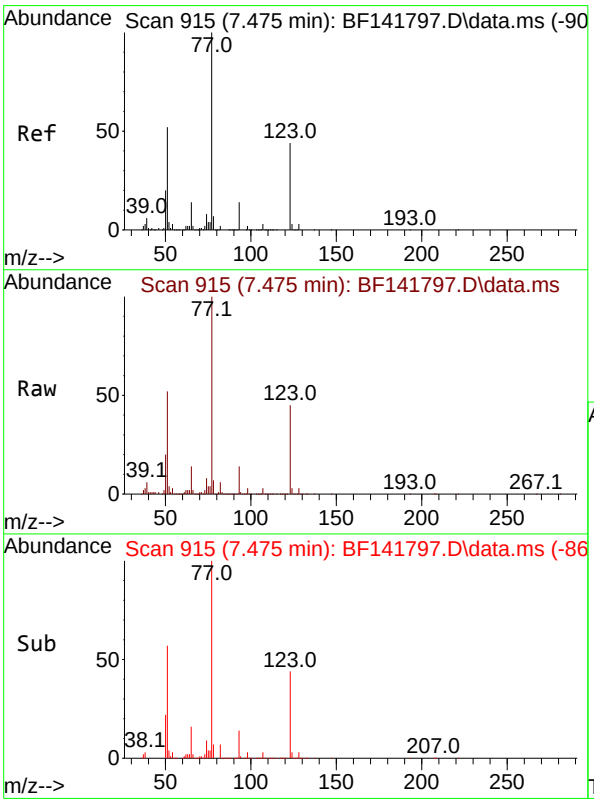
Ion	Ratio	Lower	Upper
82	100		
128	41.9	33.5	50.3
54	53.4	42.7	64.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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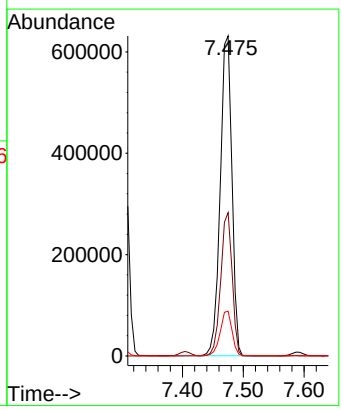
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

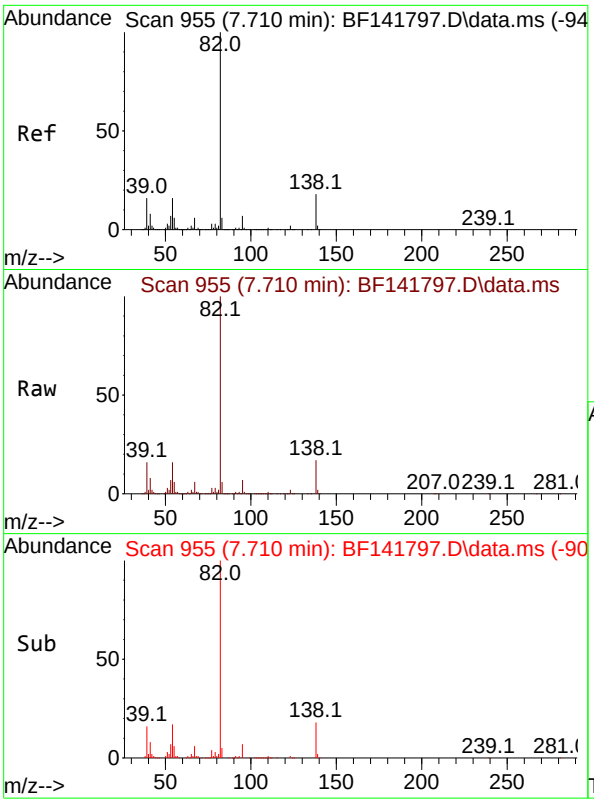


#24
Nitrobenzene
Concen: 43.379 ng
RT: 7.475 min Scan# 915
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 77 Resp: 839887

Ion	Ratio	Lower	Upper
77	100		
123	44.8	35.8	53.8
65	14.0	11.2	16.8

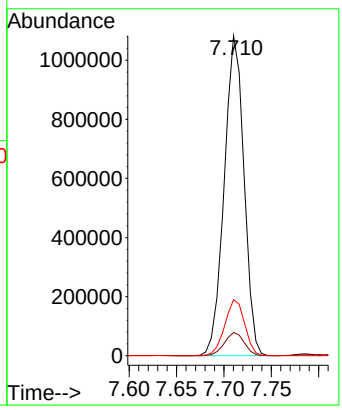




#25
Isophorone
Concen: 40.569 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 82 Resp: 157585

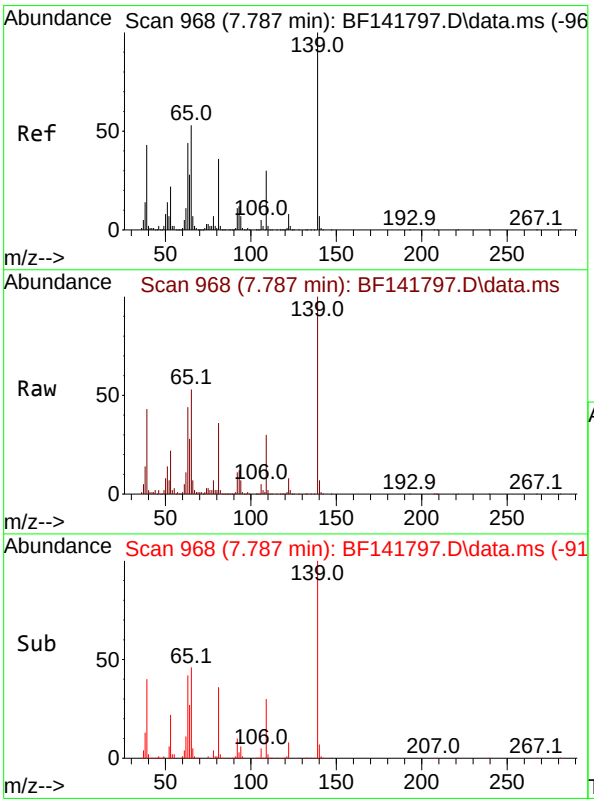
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	17.5	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

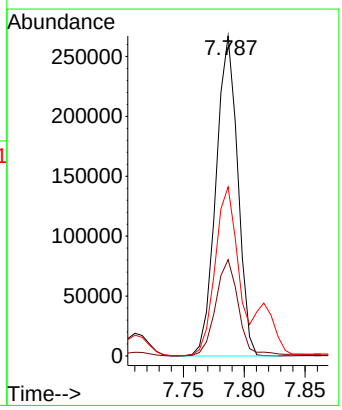
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

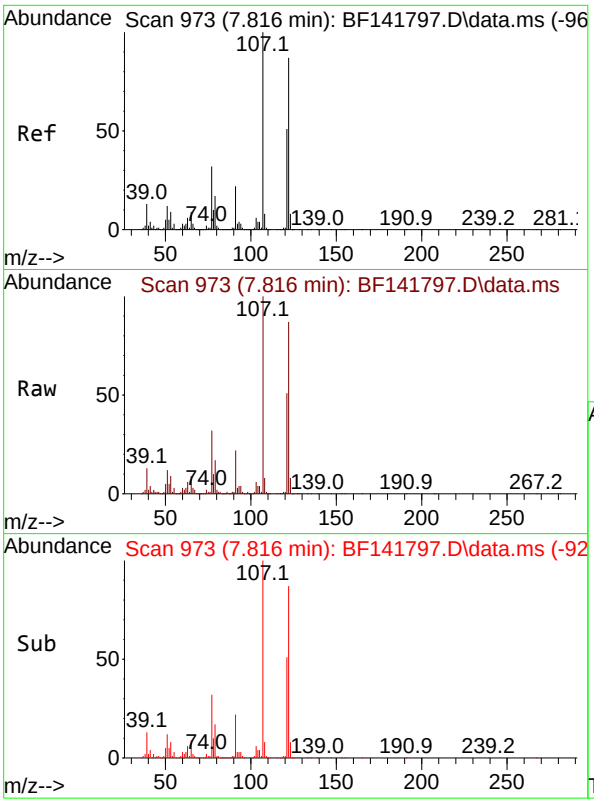


#26
2-Nitrophenol
Concen: 39.357 ng
RT: 7.787 min Scan# 968
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:139 Resp: 332584

Ion	Ratio	Lower	Upper
139	100		
109	30.1	24.1	36.1
65	52.9	42.3	63.5

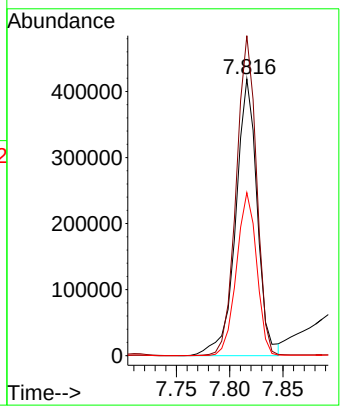




#27
2,4-Dimethylphenol
Concen: 41.191 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:122 Resp: 58815

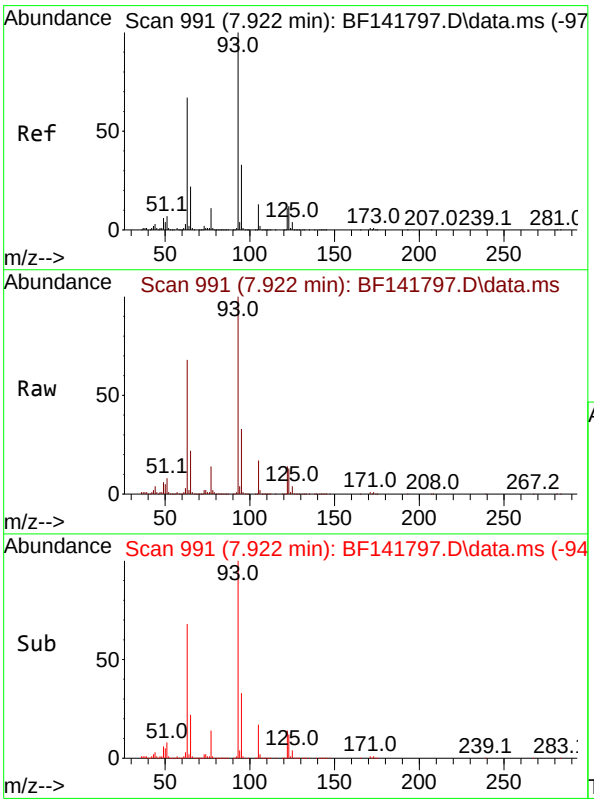
Ion	Ratio	Lower	Upper
122	100		
107	115.6	92.5	138.7
121	58.9	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

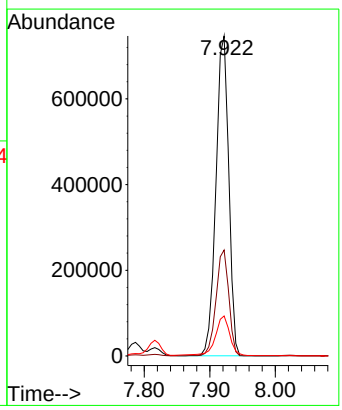
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

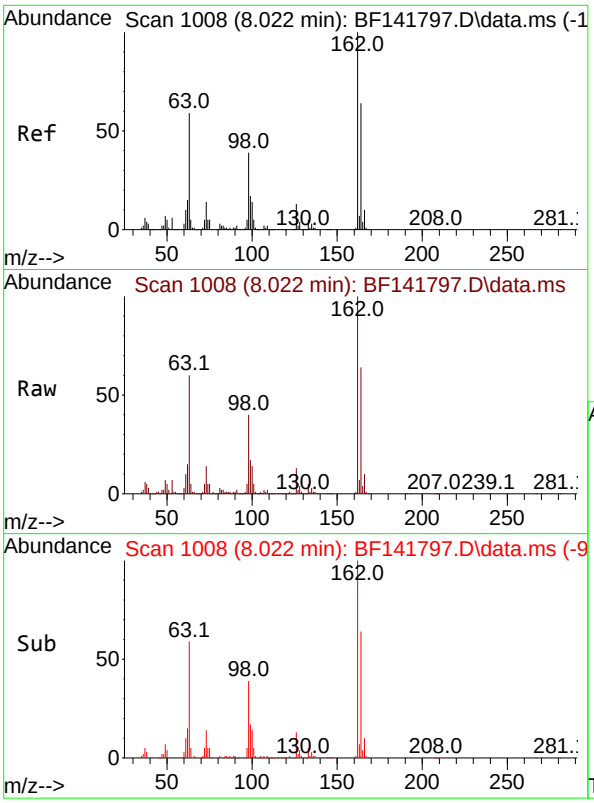


#28
bis(2-Chloroethoxy)methane
Concen: 40.624 ng
RT: 7.922 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 93 Resp: 1006606

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.5	39.7
123	12.5	10.0	15.0





#29
2,4-Dichlorophenol
Concen: 41.819 ng
RT: 8.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

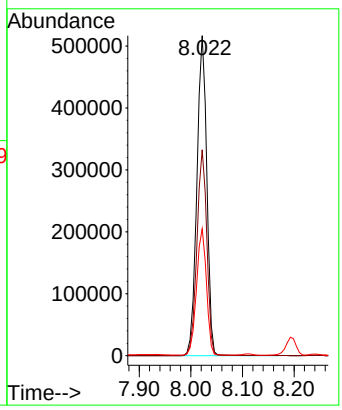
Tgt Ion:162 Resp: 68886

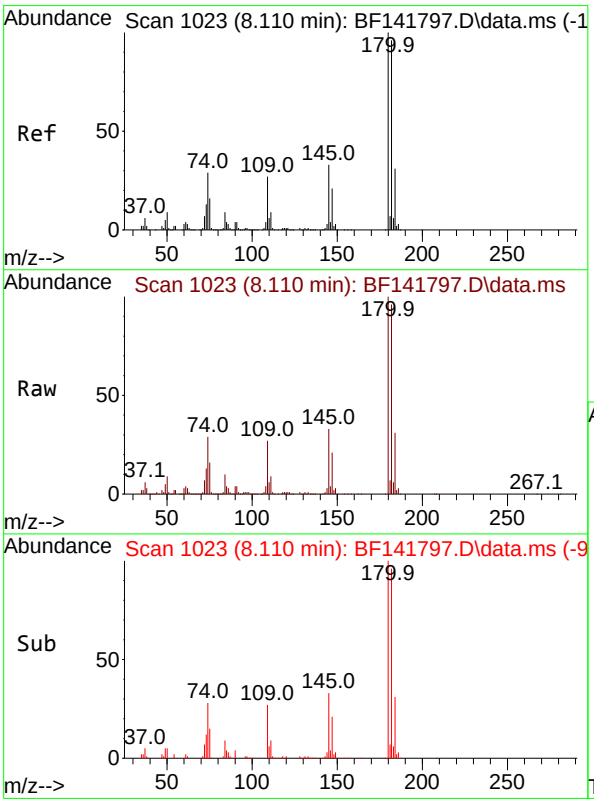
Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	39.6	19.6	59.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

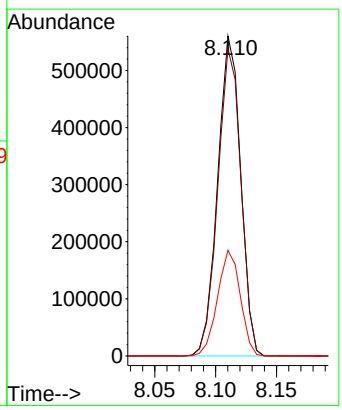


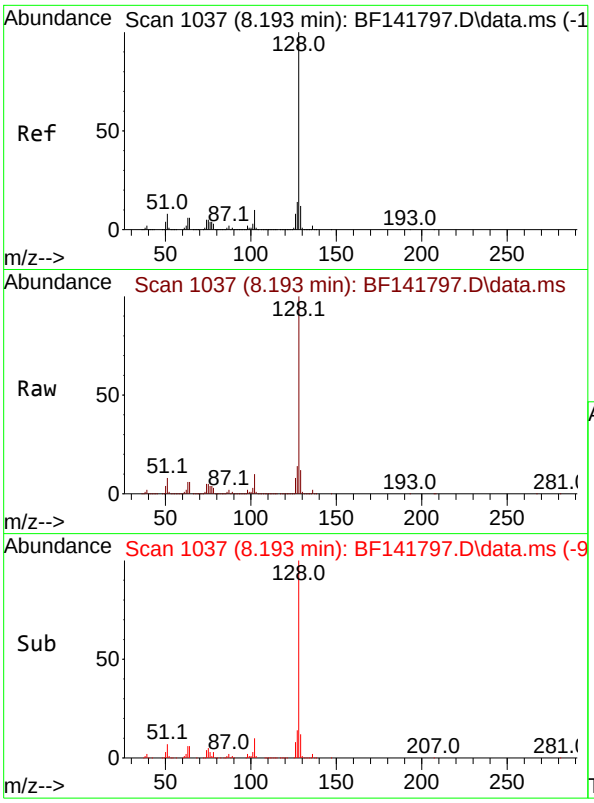


#30
1,2,4-Trichlorobenzene
Concen: 40.863 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:180 Resp: 737573

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
145	33.0	26.4	39.6

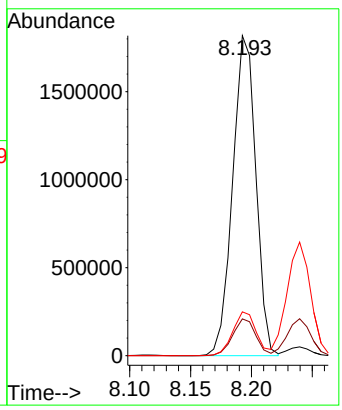




#31
Naphthalene
Concen: 40.588 ng
RT: 8.193 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:128 Resp: 241091

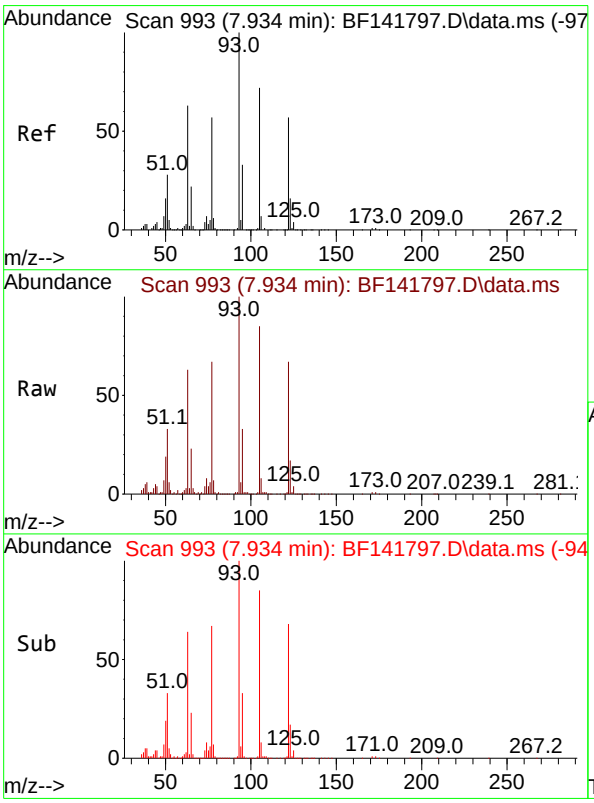
Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.7	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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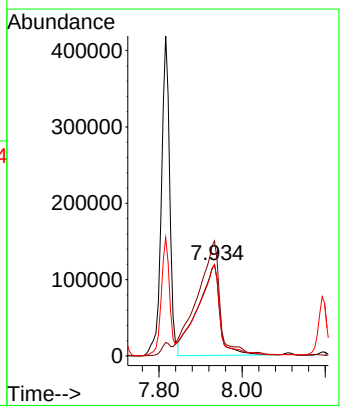
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

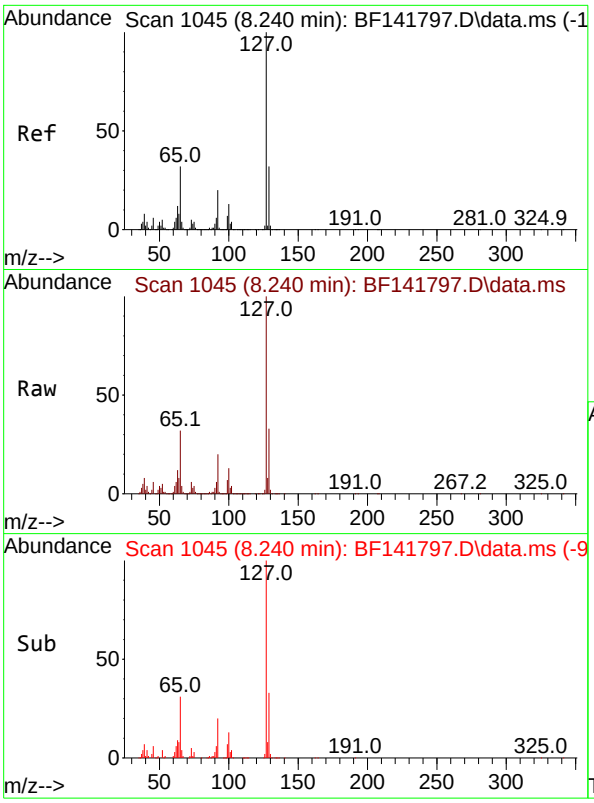


#32
Benzoic acid
Concen: 38.870 ng
RT: 7.934 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:122 Resp: 442477

Ion	Ratio	Lower	Upper
122	100		
105	125.8	105.8	145.8
77	99.9	79.9	119.9

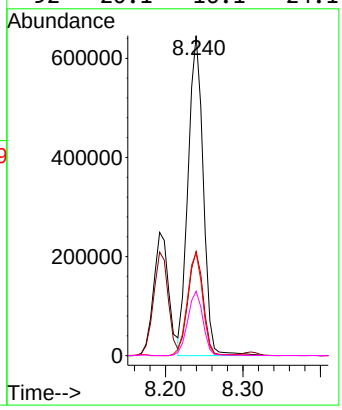




#33
4-Chloroaniline
Concen: 40.271 ng
RT: 8.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:127 Resp: 87708

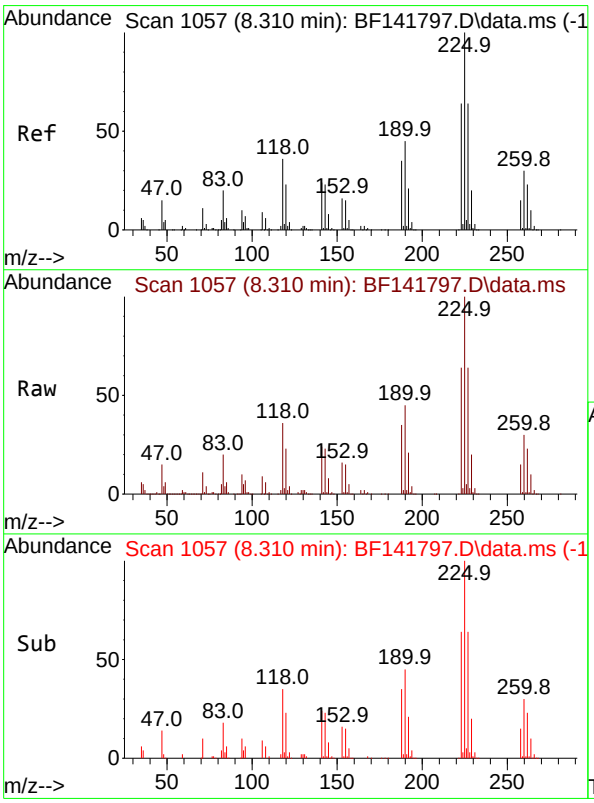
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	32.1	25.7	38.5
92	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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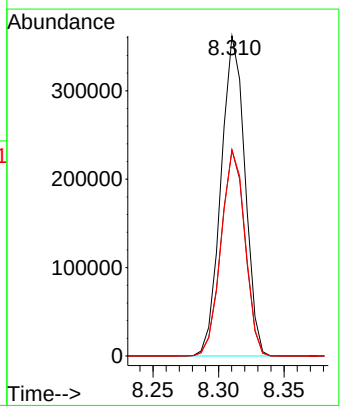
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

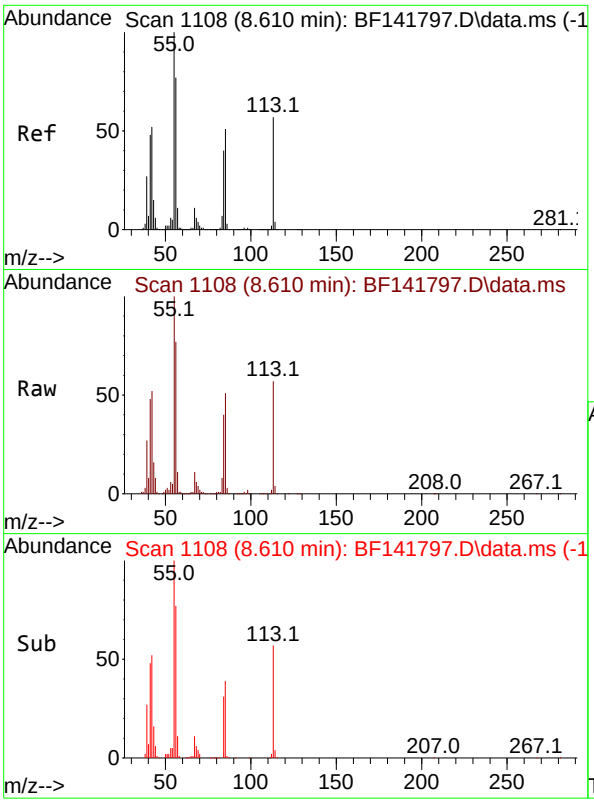


#34
Hexachlorobutadiene
Concen: 40.952 ng
RT: 8.310 min Scan# 1057
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:225 Resp: 459338

Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.4	77.2
227	64.5	51.6	77.4





#35
Caprolactam
Concen: 41.695 ng m
RT: 8.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

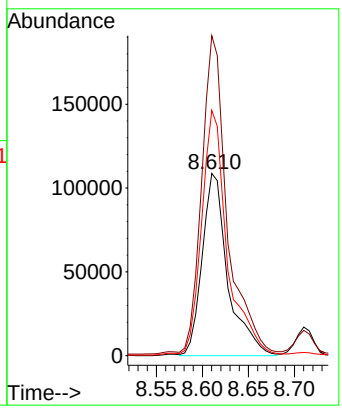
Tgt Ion:113 Resp: 21133

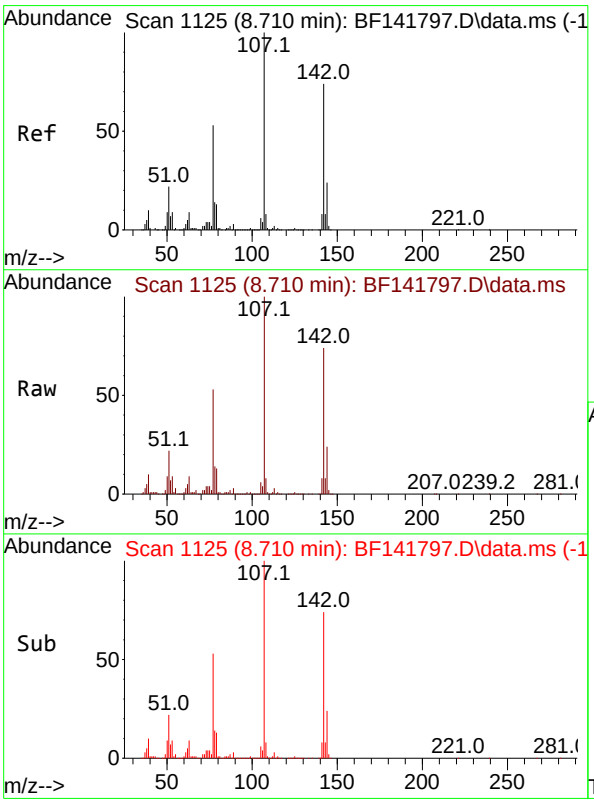
Ion	Ratio	Lower	Upper
113	100		
55	175.6	155.6	195.6
56	134.6	114.6	154.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

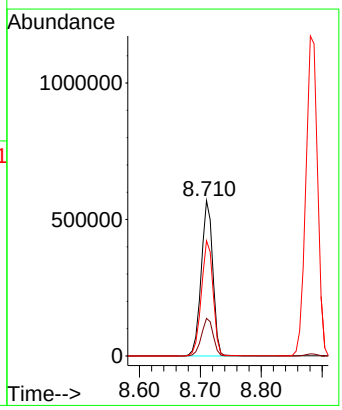


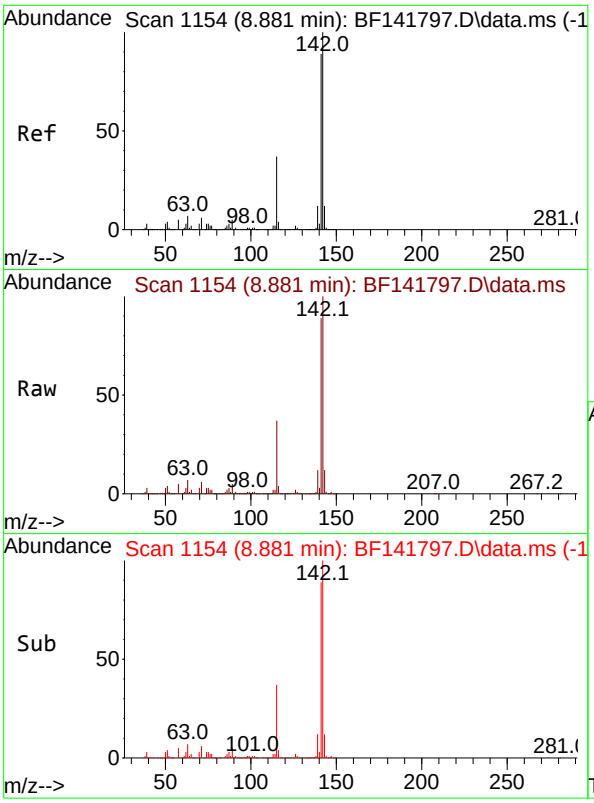


#36
4-Chloro-3-methylphenol
Concen: 41.148 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:107 Resp: 752961

Ion	Ratio	Lower	Upper
107	100		
144	24.2	19.4	29.0
142	74.2	59.4	89.0

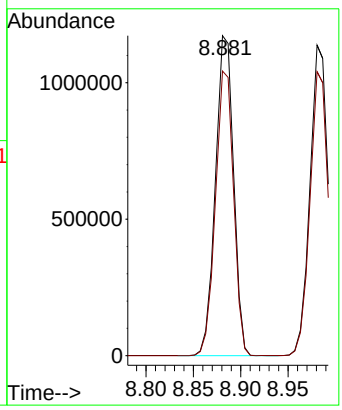




#37
2-Methylnaphthalene
Concen: 40.179 ng
RT: 8.881 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:142 Resp: 156542

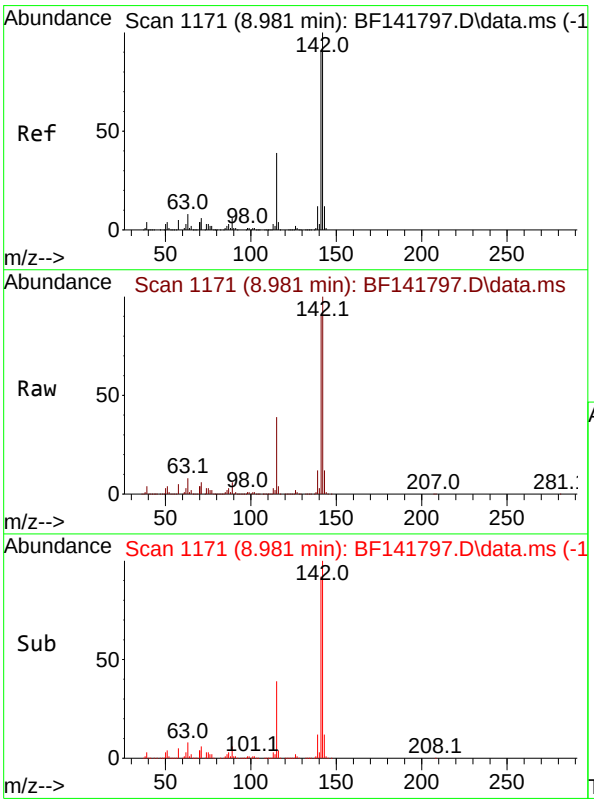
Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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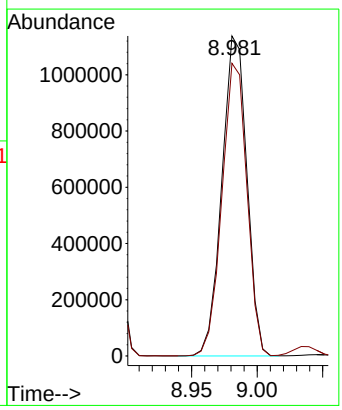
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

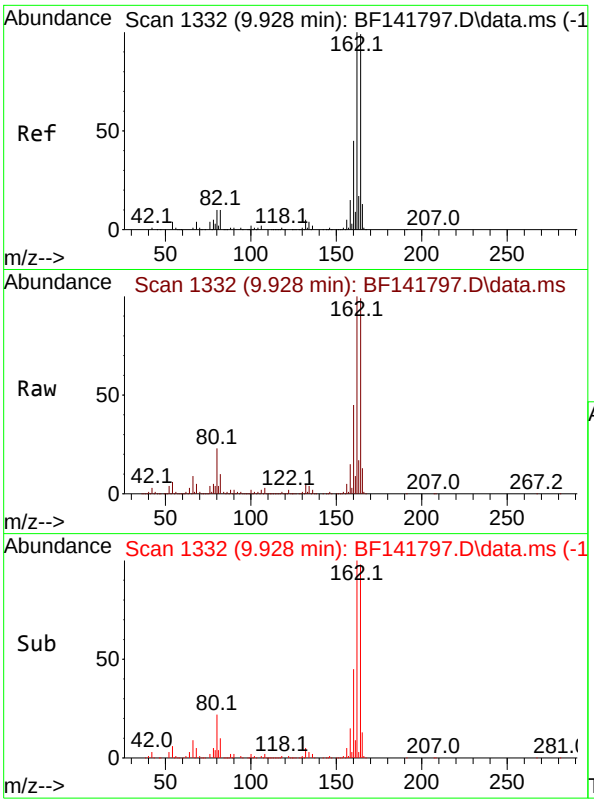


#38
1-Methylnaphthalene
Concen: 40.286 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:142 Resp: 1506039

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.1	109.7

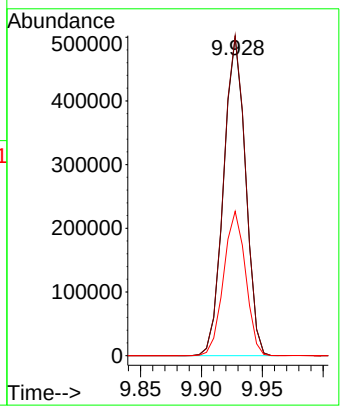




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:164 Resp: 62524

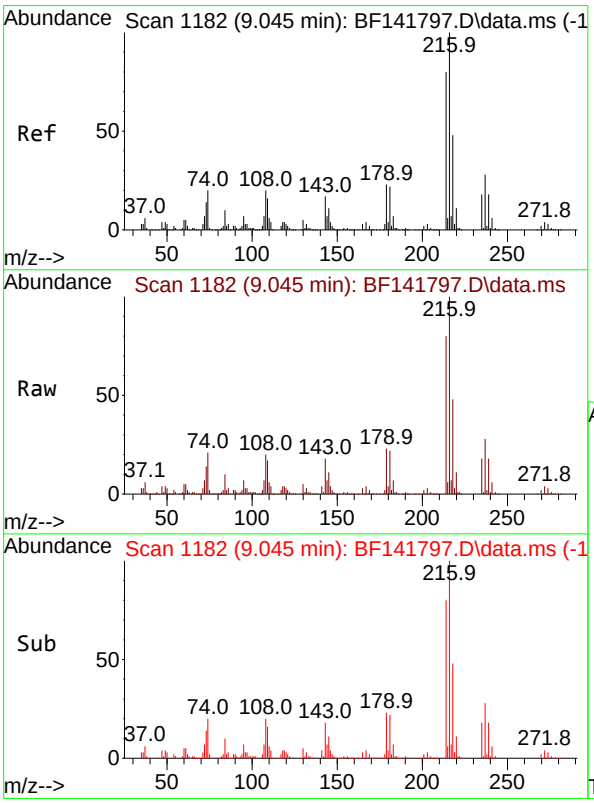
Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	45.4	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

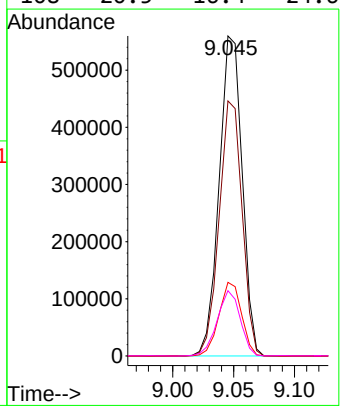
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

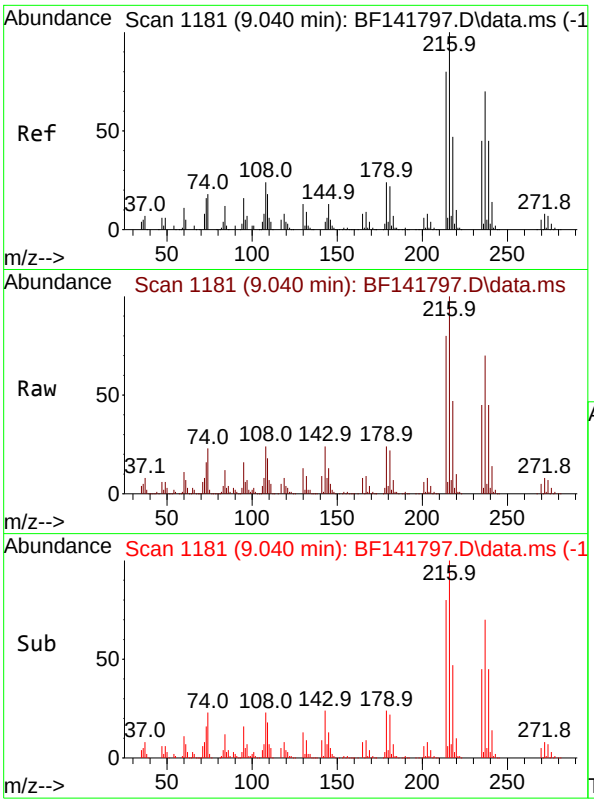


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.786 ng
RT: 9.045 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:216 Resp: 736508

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.5	95.3
179	22.6	18.1	27.1
108	20.5	16.4	24.6





#41
Hexachlorocyclopentadiene
Concen: 42.882 ng
RT: 9.040 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

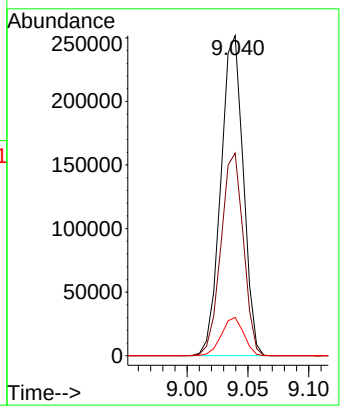
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

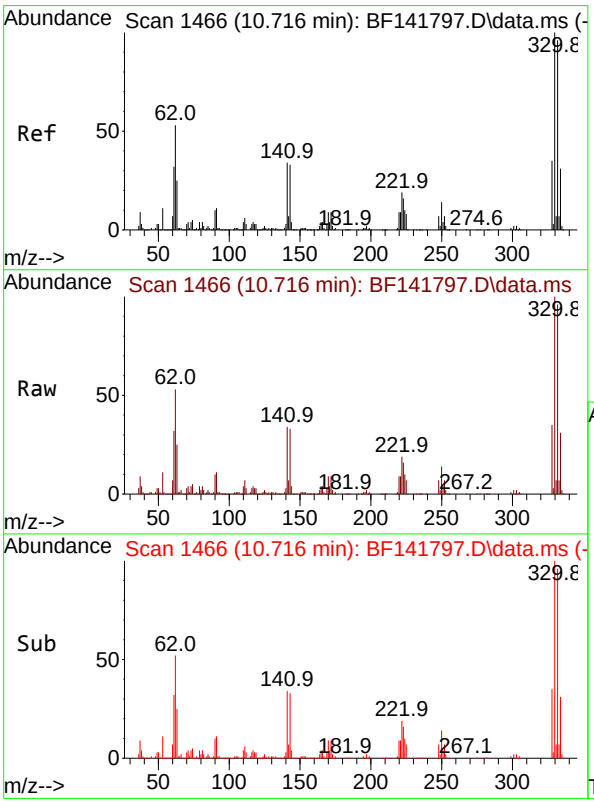
Tgt Ion:237 Resp: 32316

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.3	83.3
272	11.9	0.0	31.9

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

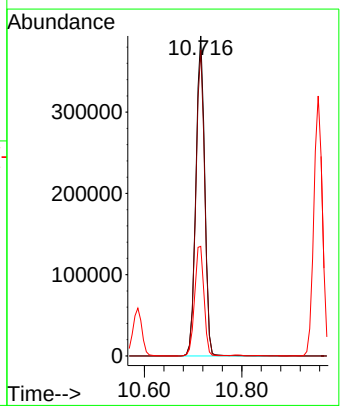


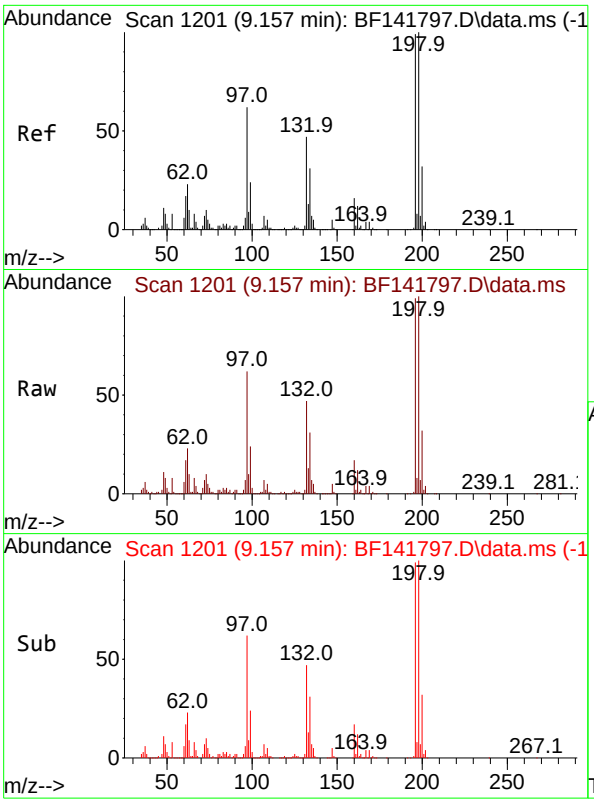


#42
2,4,6-Tribromophenol
Concen: 84.959 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:330 Resp: 498702

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	36.2	29.0	43.4

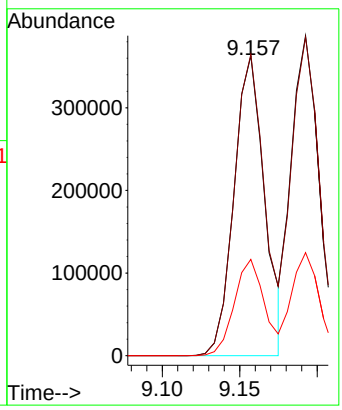




#43
2,4,6-Trichlorophenol
Concen: 42.623 ng
RT: 9.157 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:196 Resp: 49718

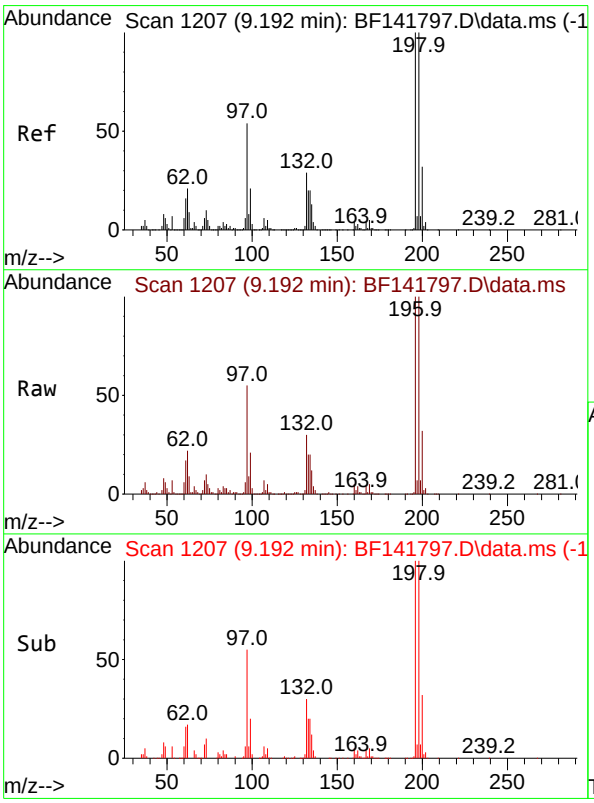
Ion	Ratio	Lower	Upper
196	100		
198	100.5	80.4	120.6
200	32.1	25.7	38.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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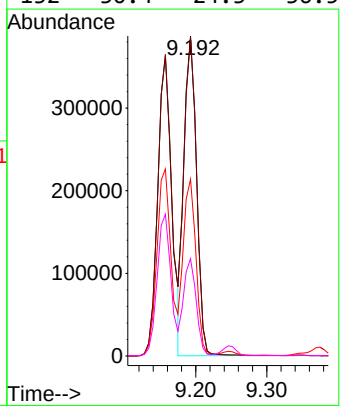
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

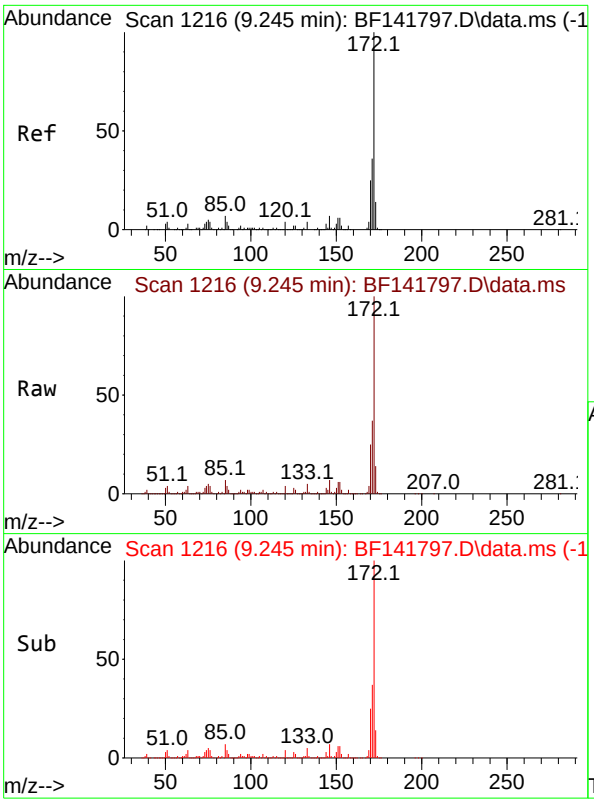


#44
2,4,5-Trichlorophenol
Concen: 41.448 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:196 Resp: 478749

Ion	Ratio	Lower	Upper
196	100		
198	99.6	79.7	119.5
97	55.2	44.2	66.2
132	30.4	24.3	36.5

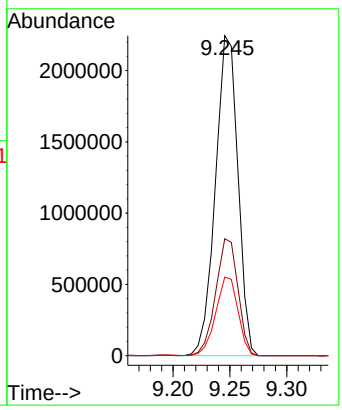




#45
2-Fluorobiphenyl
Concen: 79.348 ng
RT: 9.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:172 Resp: 309407

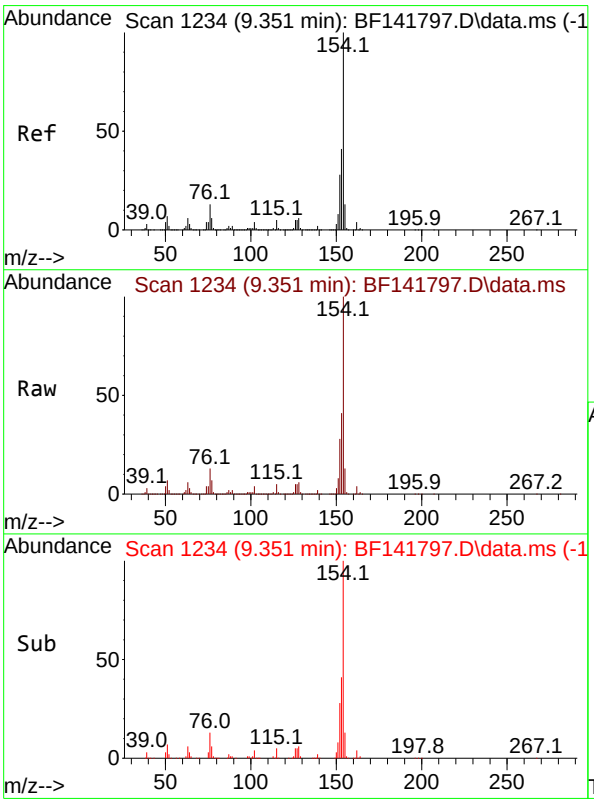
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.2	43.8
170	24.6	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

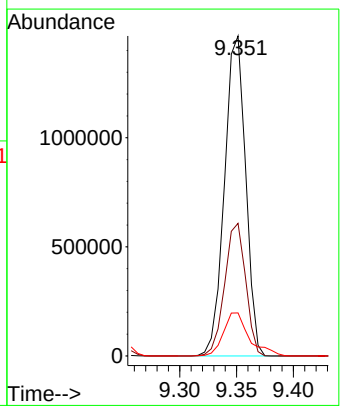
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

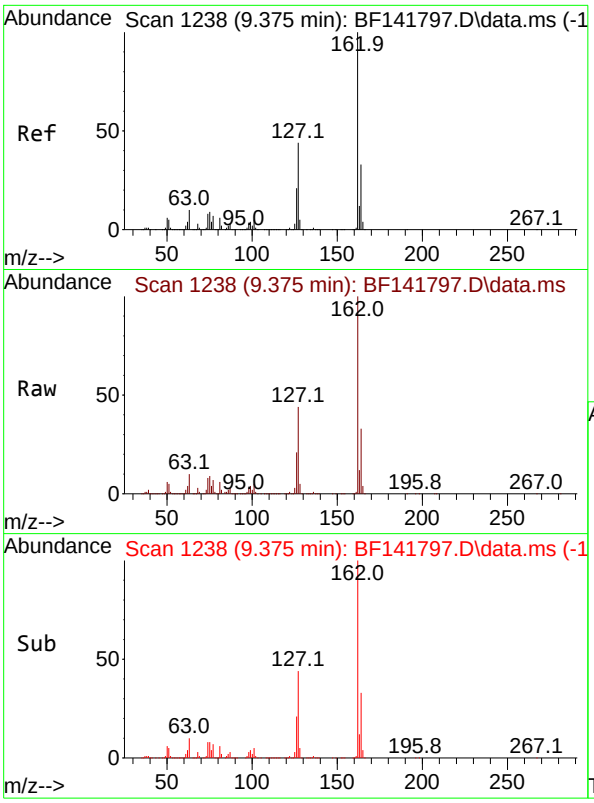


#46
1,1'-Biphenyl
Concen: 39.917 ng
RT: 9.351 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:154 Resp: 1899694

Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.4	61.4
76	13.4	0.0	33.4

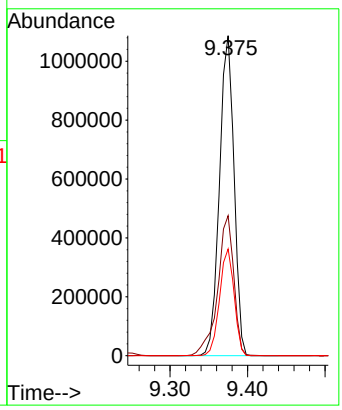




#47
2-Chloronaphthalene
Concen: 40.402 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:162 Resp: 141914

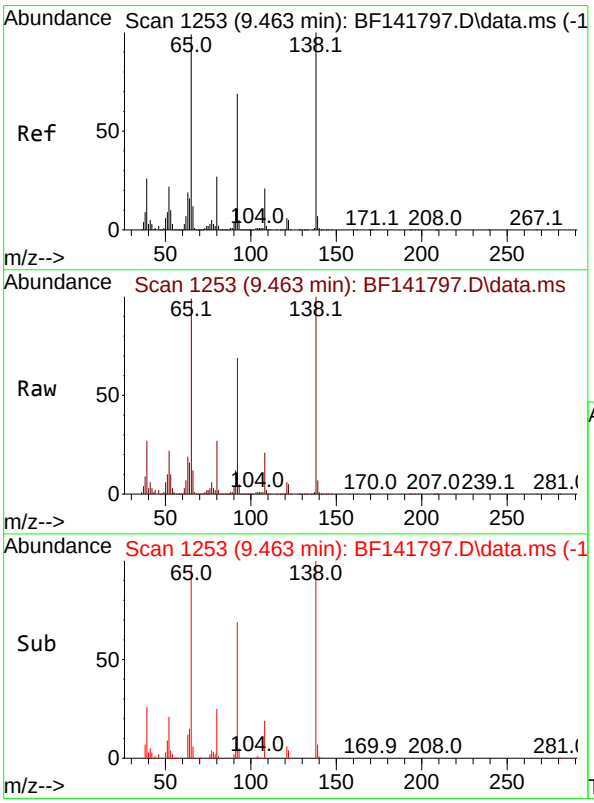
Ion	Ratio	Lower	Upper
162	100		
127	43.8	35.0	52.6
164	33.3	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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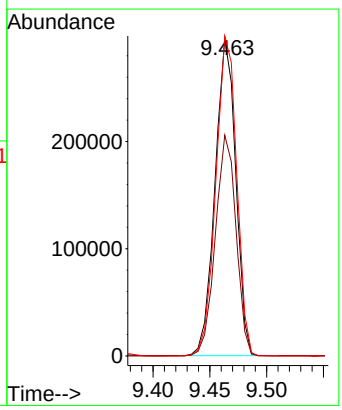
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

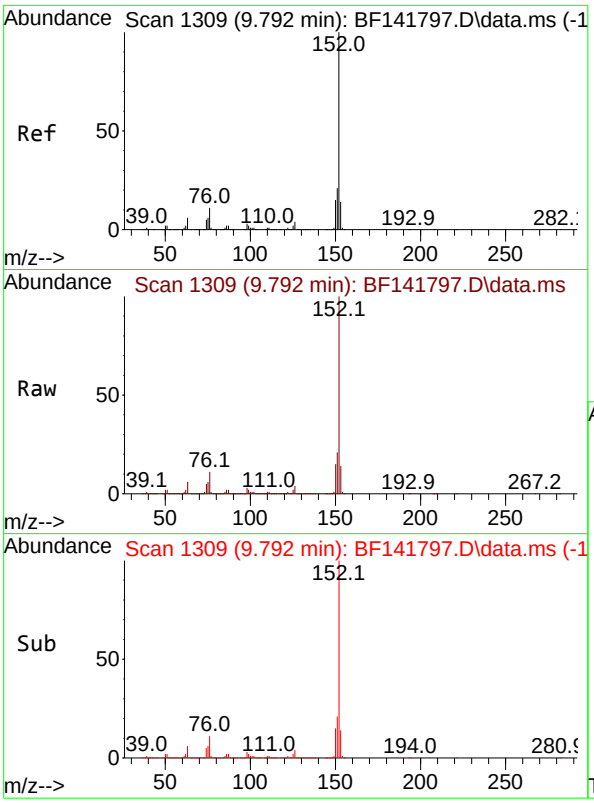


#48
2-Nitroaniline
Concen: 39.827 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 65 Resp: 375120

Ion	Ratio	Lower	Upper
65	100		
92	69.6	55.7	83.5
138	100.8	80.6	121.0





#49
Acenaphthylene
Concen: 40.629 ng
RT: 9.792 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

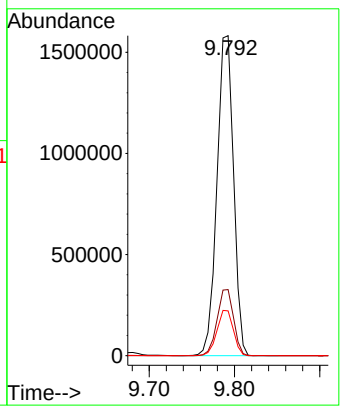
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

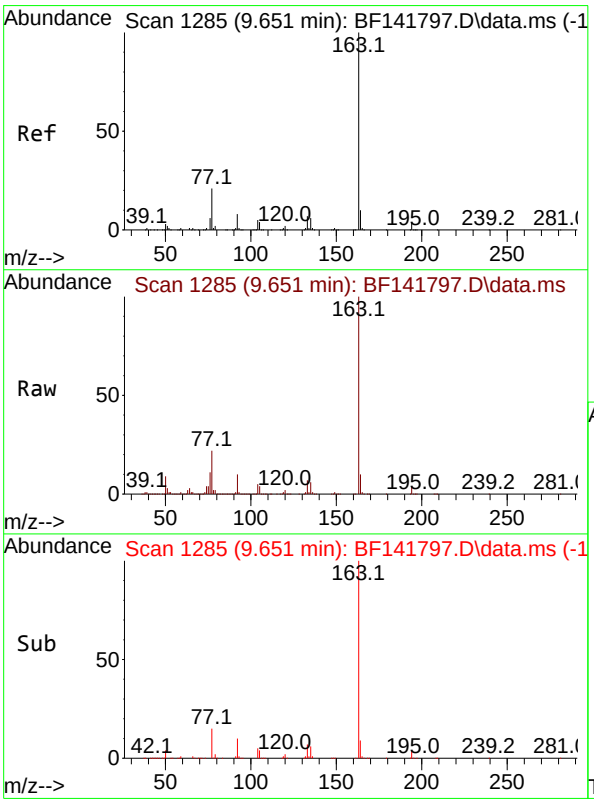
Tgt Ion:152 Resp: 213972

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.6	24.8
153	14.0	11.2	16.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

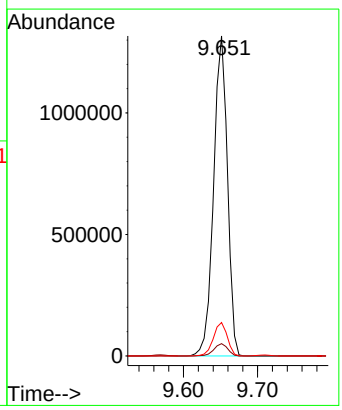


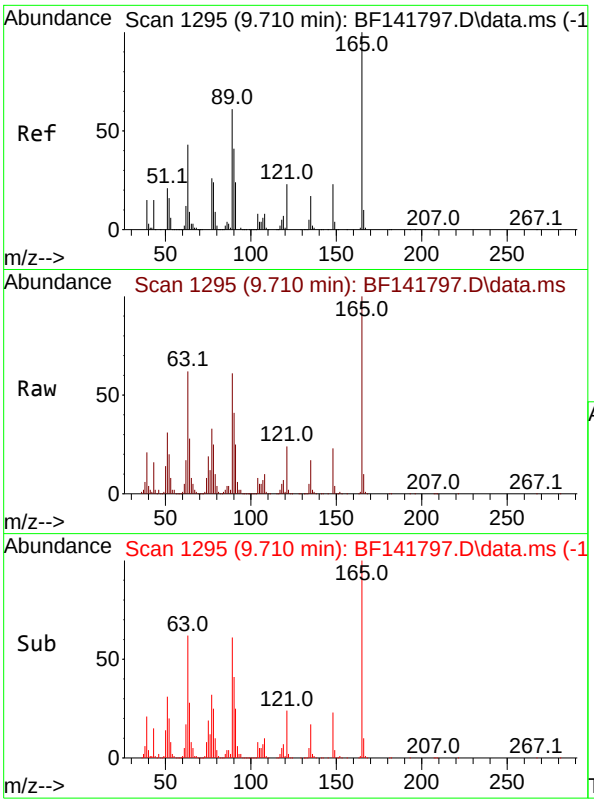


#50
Dimethylphthalate
Concen: 40.710 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:163 Resp: 1704601

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.5	8.4	12.6

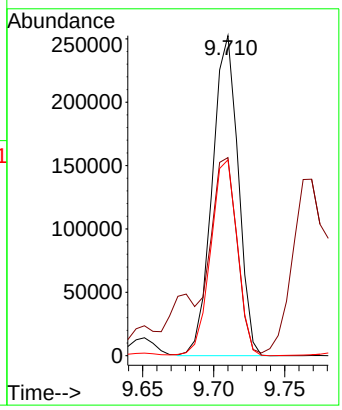




#51
2,6-Dinitrotoluene
Concen: 40.557 ng
RT: 9.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:165 Resp: 32112

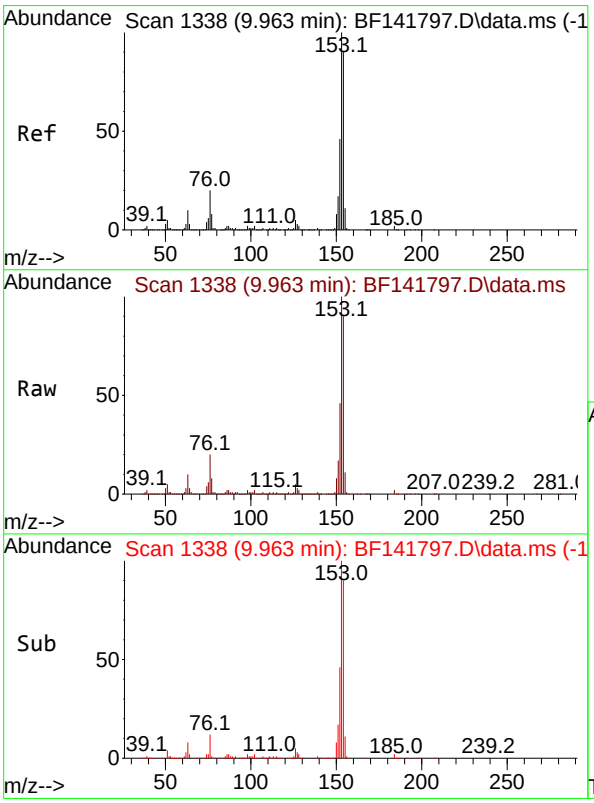
Ion	Ratio	Lower	Upper
165	100		
63	61.9	49.5	74.3
89	61.2	49.0	73.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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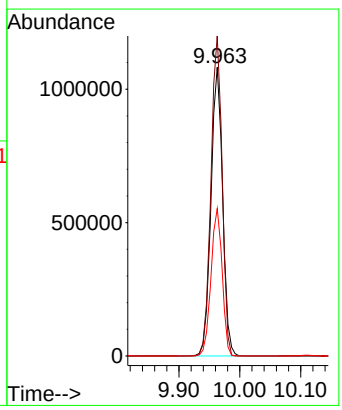
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

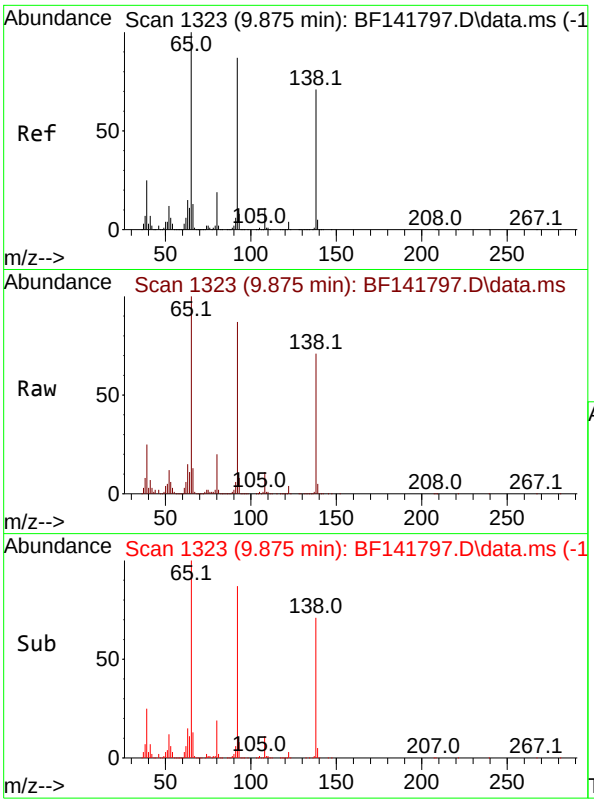


#52
Acenaphthene
Concen: 40.461 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:154 Resp: 1437821

Ion	Ratio	Lower	Upper
154	100		
153	110.9	88.7	133.1
152	51.1	40.9	61.3





#53
3-Nitroaniline
Concen: 41.045 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

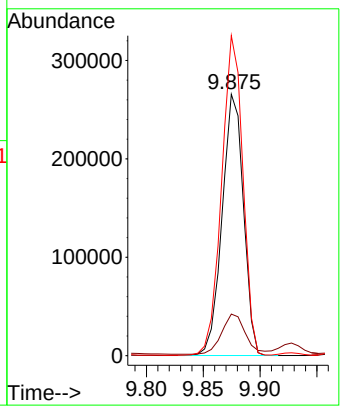
Tgt Ion:138 Resp: 34629

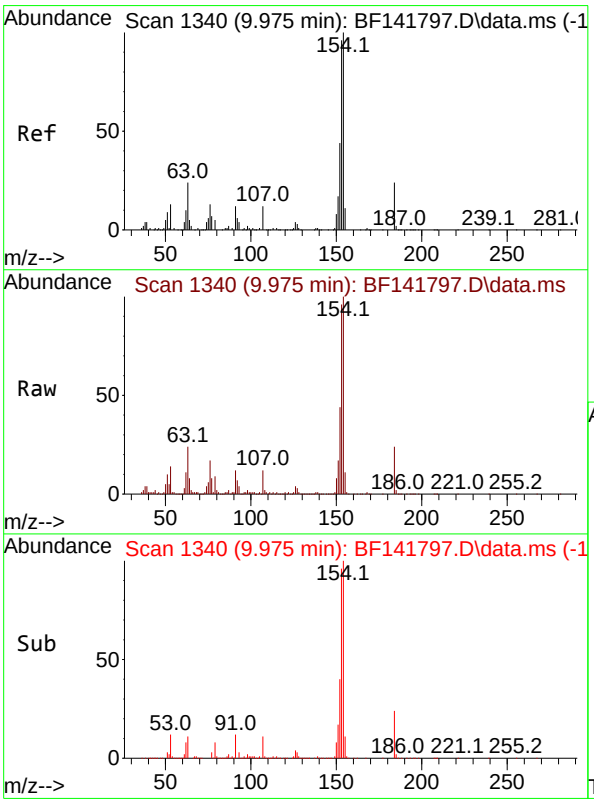
Ion	Ratio	Lower	Upper
138	100		
108	15.9	12.7	19.1
92	122.4	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

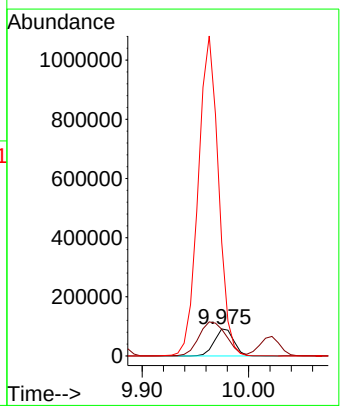


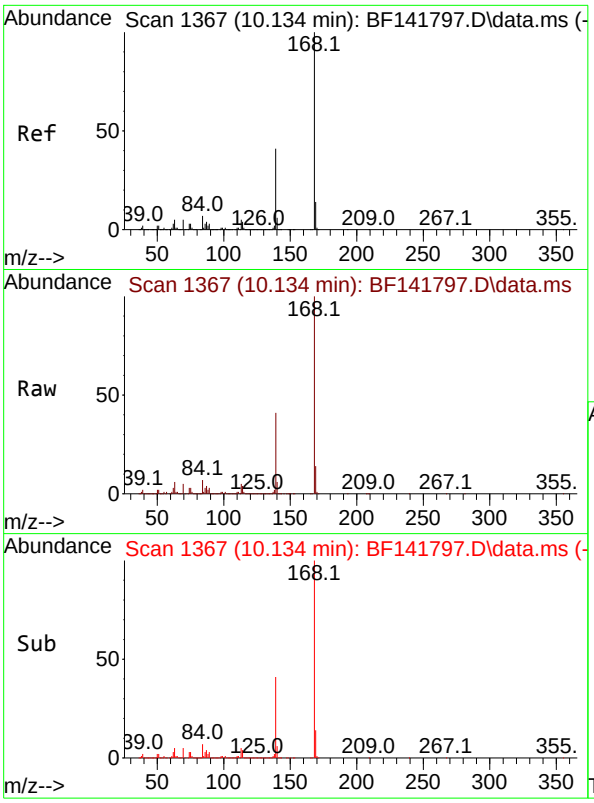


#54
2,4-Dinitrophenol
Concen: 39.874 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:184 Resp: 115933

Ion	Ratio	Lower	Upper
184	100		
63	98.8	79.0	118.6
154	419.8	335.8	503.8





#55
Dibenzofuran
Concen: 40.198 ng
RT: 10.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

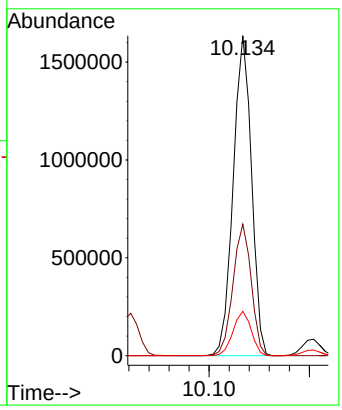
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

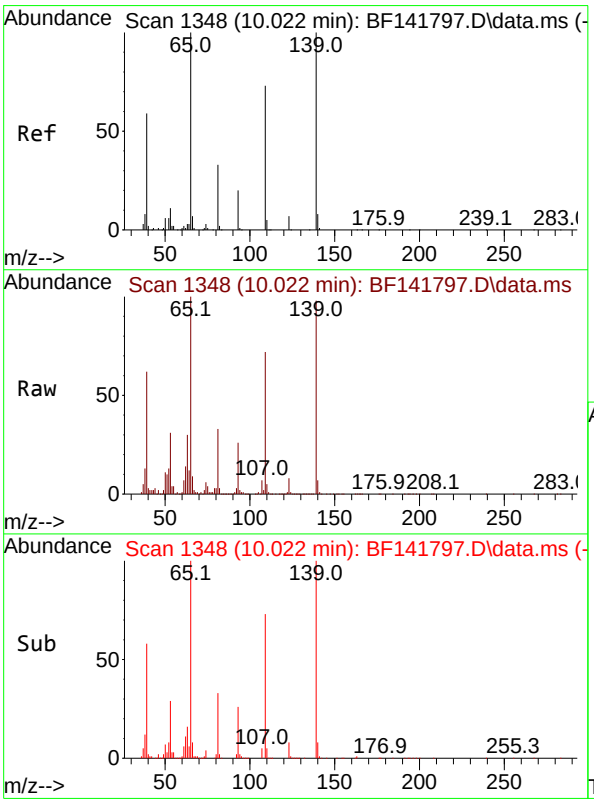
Tgt Ion:168 Resp: 207913

Ion	Ratio	Lower	Upper
168	100		
139	41.1	32.9	49.3
169	13.9	11.1	16.7

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

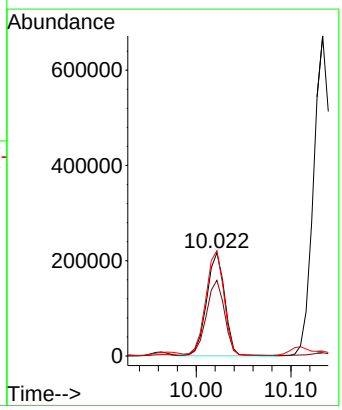


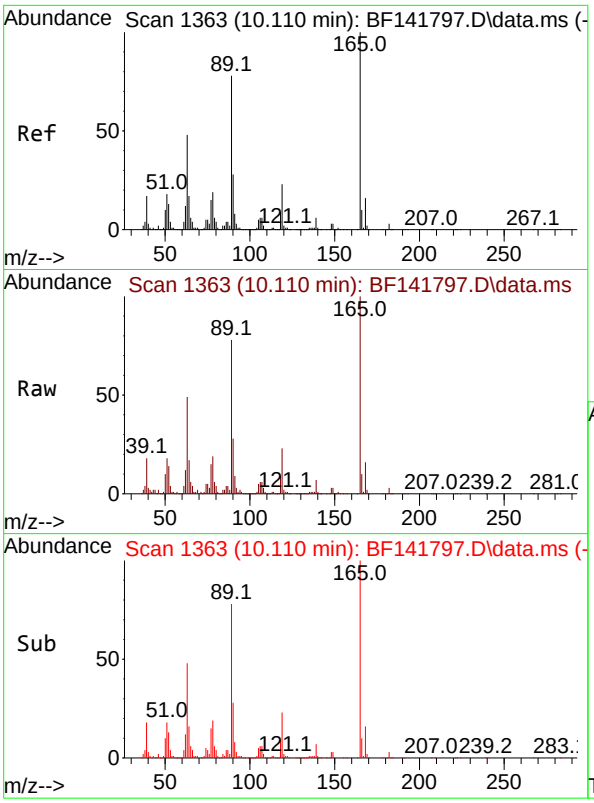


#56
4-Nitrophenol
Concen: 46.172 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:139 Resp: 285537

Ion	Ratio	Lower	Upper
139	100		
109	73.4	53.4	93.4
65	102.1	82.1	122.1

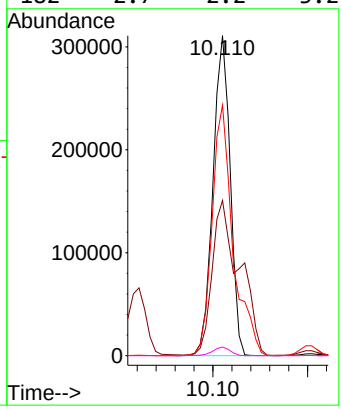




#57
2,4-Dinitrotoluene
Concen: 40.635 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:165 Resp: 39185

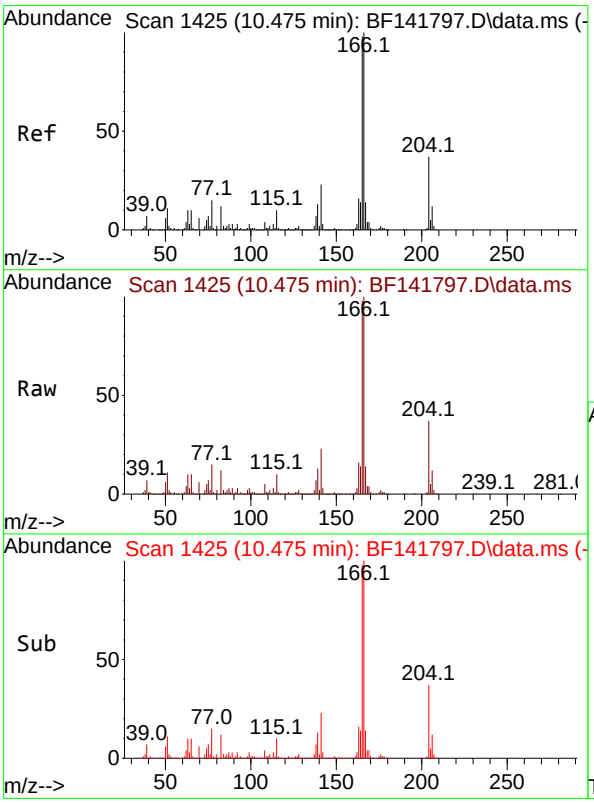
Ion	Ratio	Lower	Upper
165	100		
63	48.5	38.8	58.2
89	78.3	62.6	94.0
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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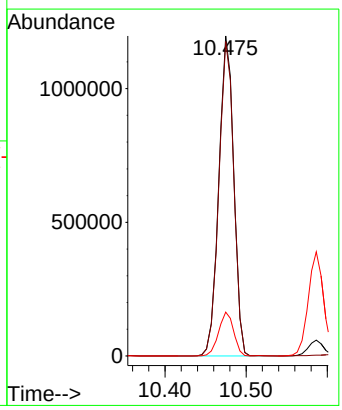
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

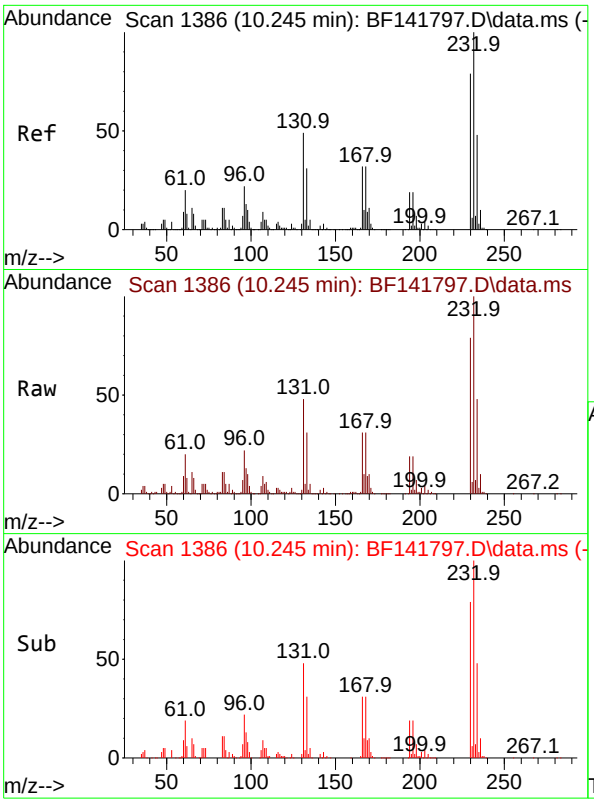


#58
Fluorene
Concen: 39.650 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:166 Resp: 1536139

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.6	117.8
167	13.7	11.0	16.4

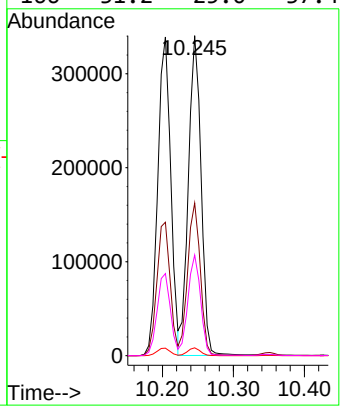




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.235 ng
RT: 10.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:232 Resp: 42427

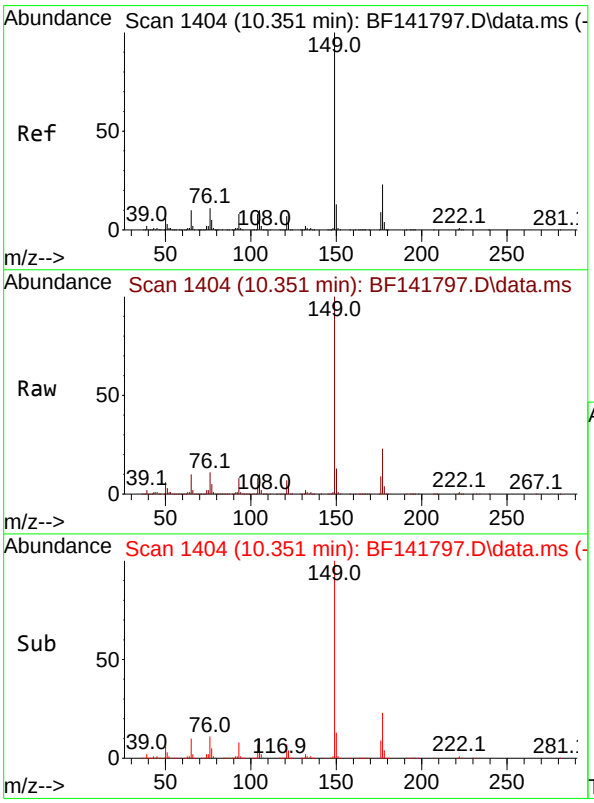
Ion	Ratio	Lower	Upper
232	100		
131	47.3	37.8	56.8
130	2.5	2.0	3.0
166	31.2	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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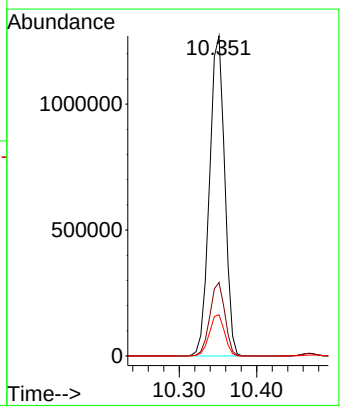
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

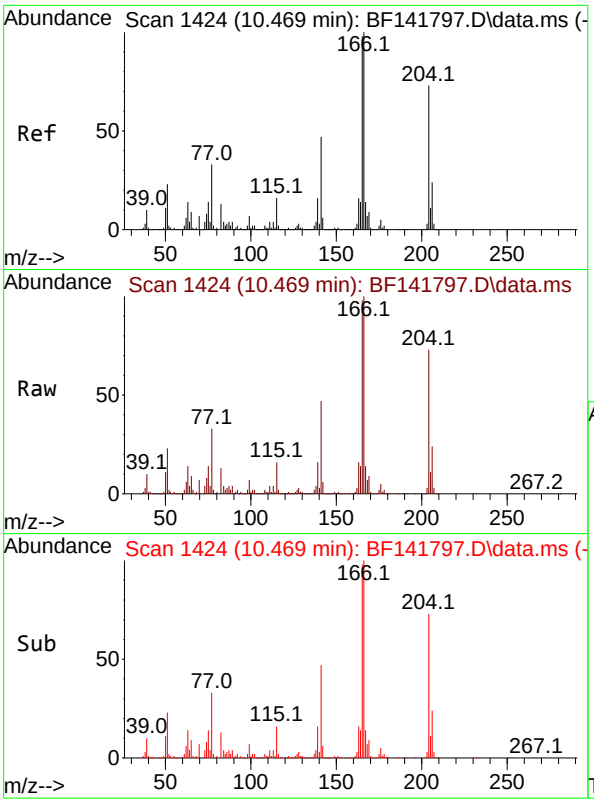


#60
Diethylphthalate
Concen: 41.203 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:149 Resp: 1729522

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	12.9	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 39.939 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

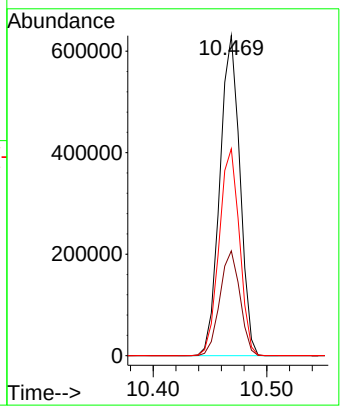
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

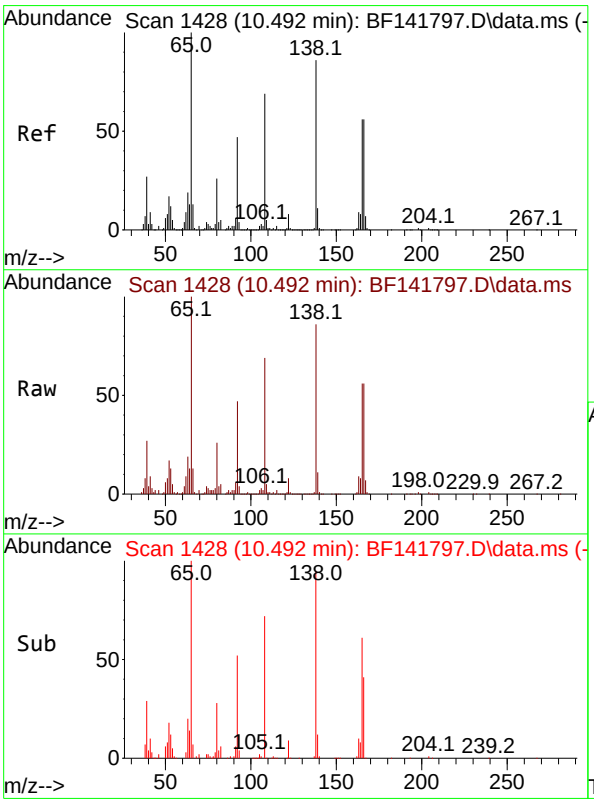
Tgt Ion:204 Resp: 77527

Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.4
141	64.6	51.7	77.5

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

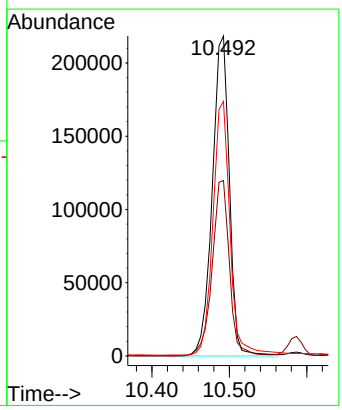


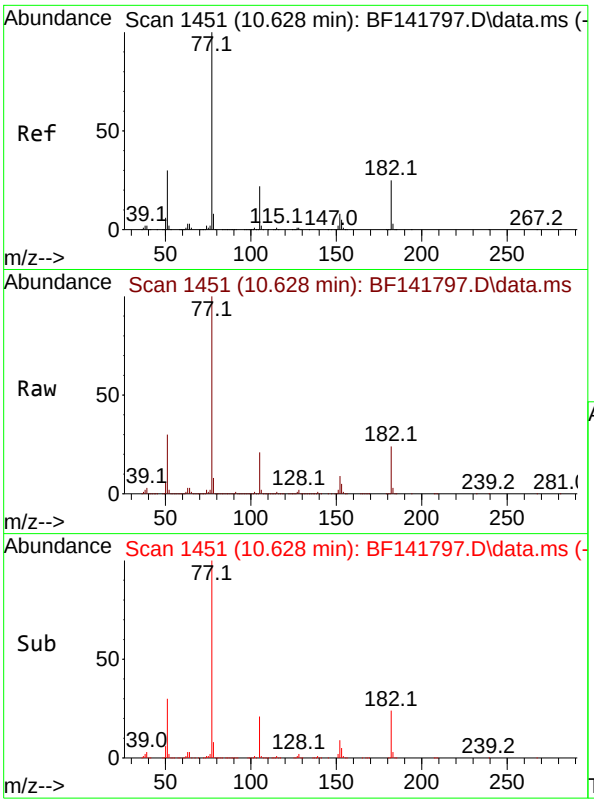


#62
4-Nitroaniline
Concen: 46.685 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:138 Resp: 333830

Ion	Ratio	Lower	Upper
138	100		
92	54.9	34.9	74.9
108	79.6	59.6	99.6

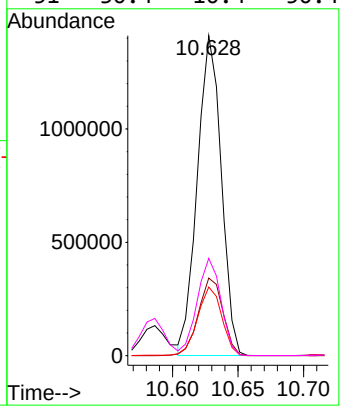




#63
Azobenzene
Concen: 40.657 ng
RT: 10.628 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion: 77 Resp: 179690

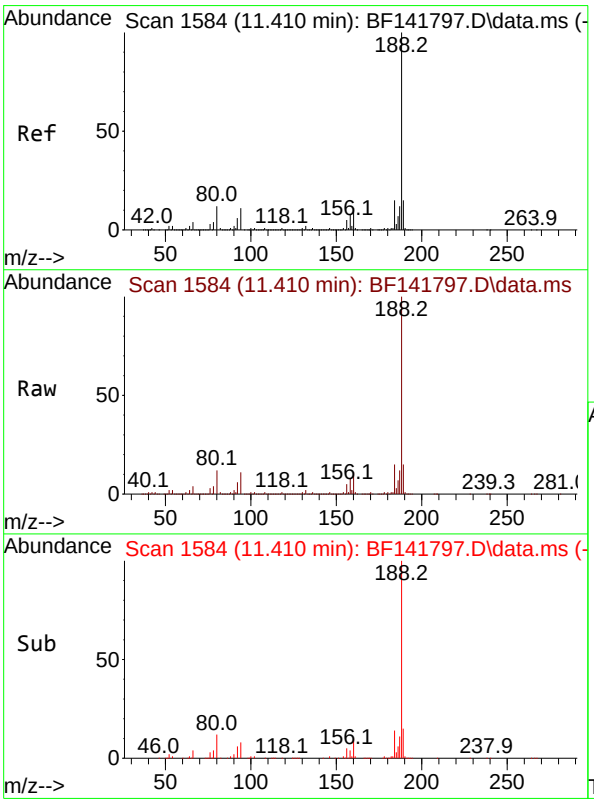
Ion	Ratio	Lower	Upper
77	100		
182	24.2	4.2	44.2
105	21.5	1.5	41.5
51	30.4	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

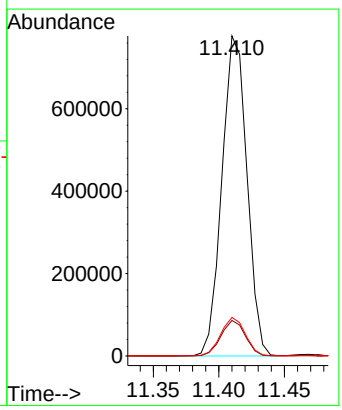
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

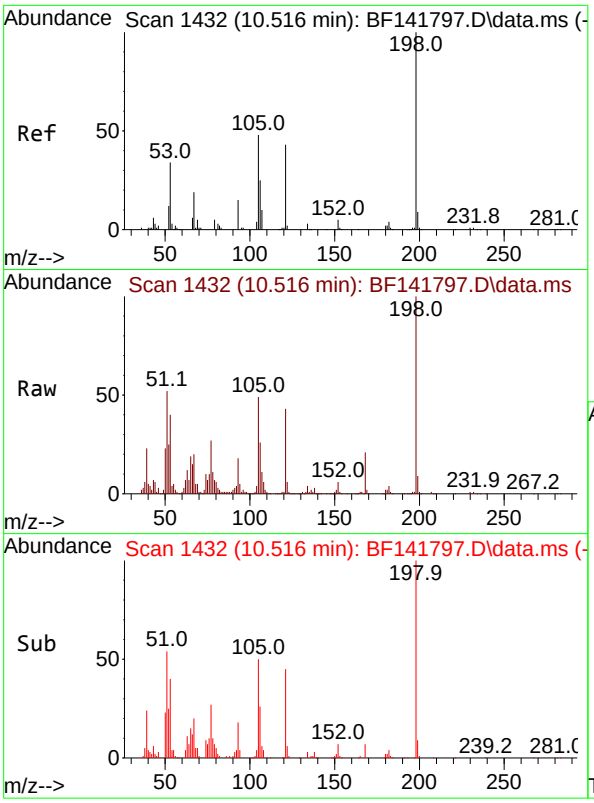


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:188 Resp: 1031875

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.9	13.3
80	12.1	9.7	14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 38.731 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

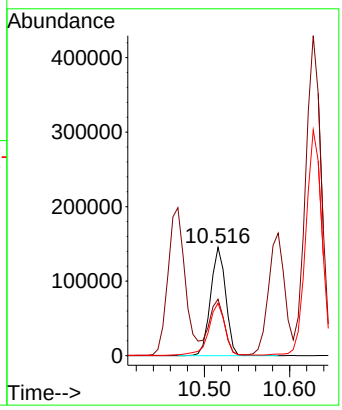
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

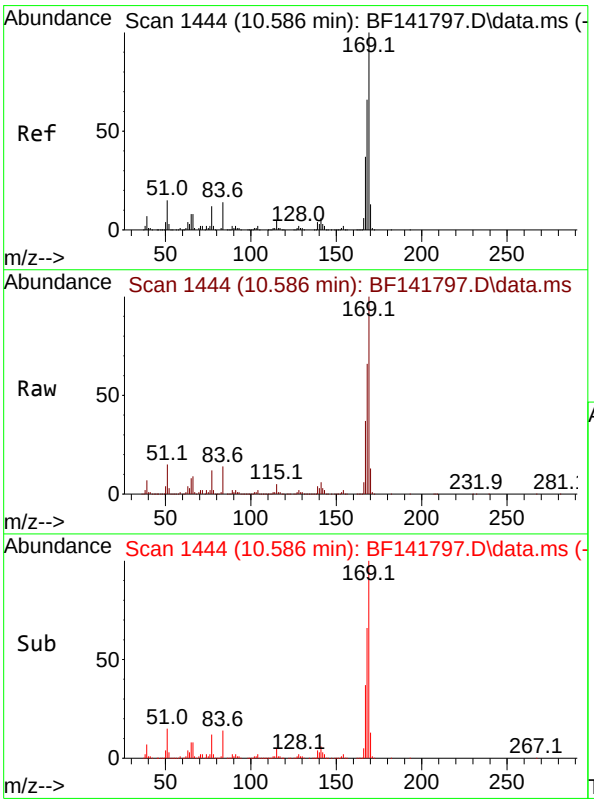
Tgt Ion:198 Resp: 179018

Ion	Ratio	Lower	Upper
198	100		
51	52.1	32.1	72.1
105	48.5	28.5	68.5

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

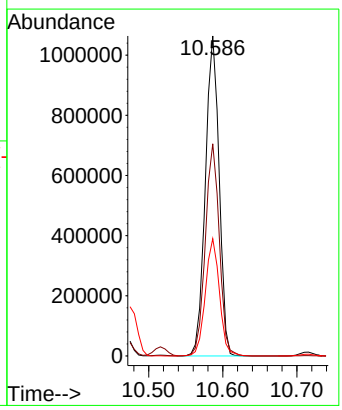


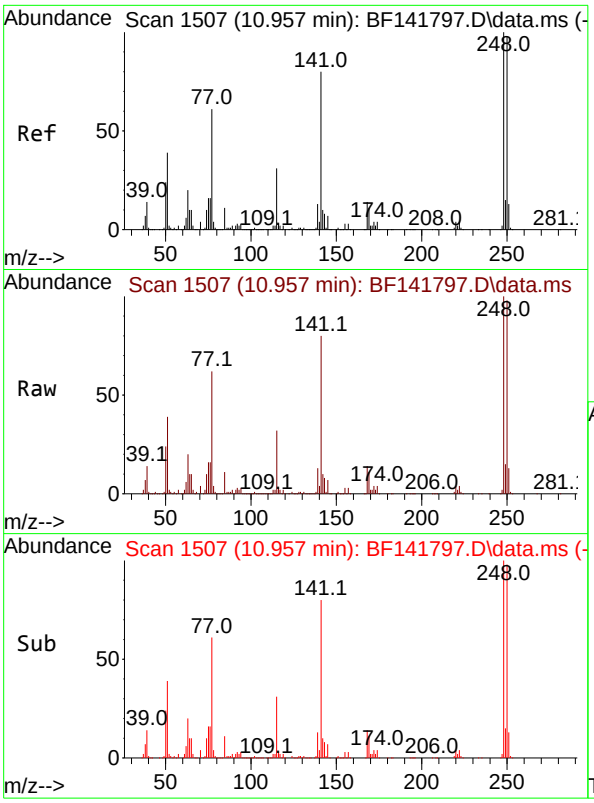


#66
n-Nitrosodiphenylamine
Concen: 40.485 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:169 Resp: 1371761

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.6
167	36.6	29.3	43.9

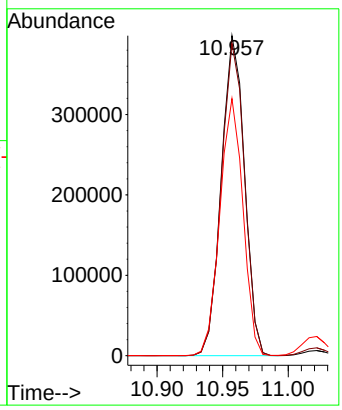




#67
4-Bromophenyl-phenylether
Concen: 40.722 ng
RT: 10.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:248 Resp: 49081

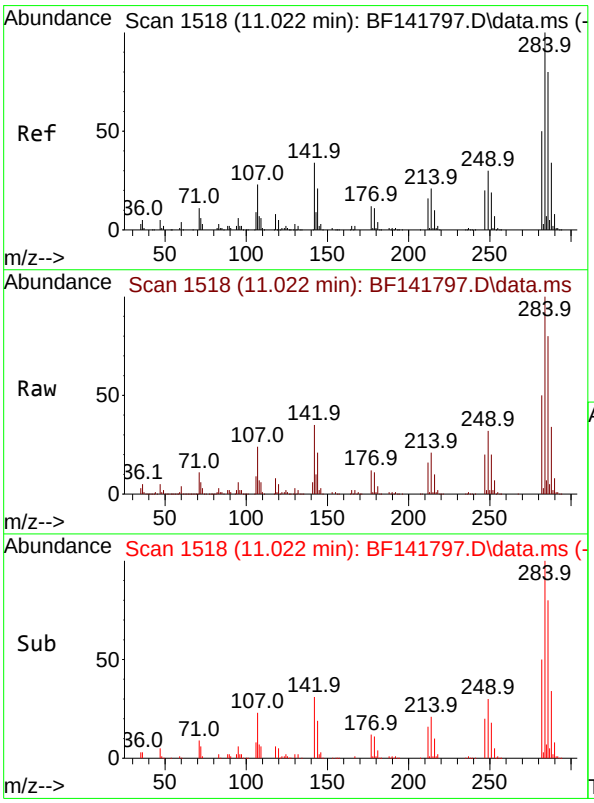
Ion	Ratio	Lower	Upper
248	100		
250	97.6	78.1	117.1
141	80.4	64.3	96.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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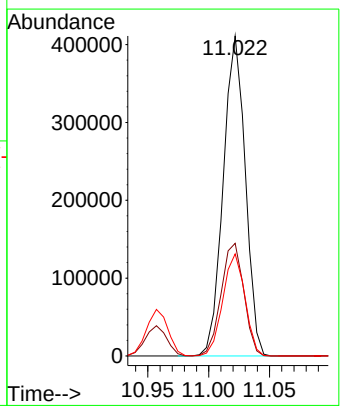
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

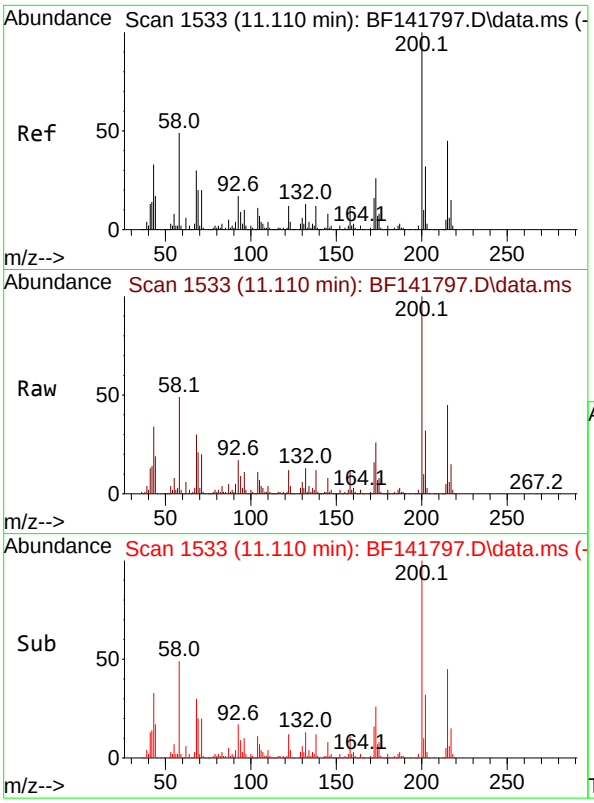


#68
Hexachlorobenzene
Concen: 40.721 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:284 Resp: 518266

Ion	Ratio	Lower	Upper
284	100		
142	35.2	28.2	42.2
249	31.9	25.5	38.3





#69
Atrazine
Concen: 39.649 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

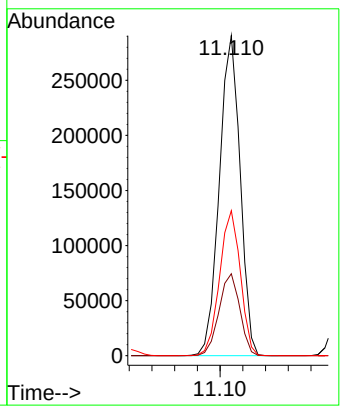
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

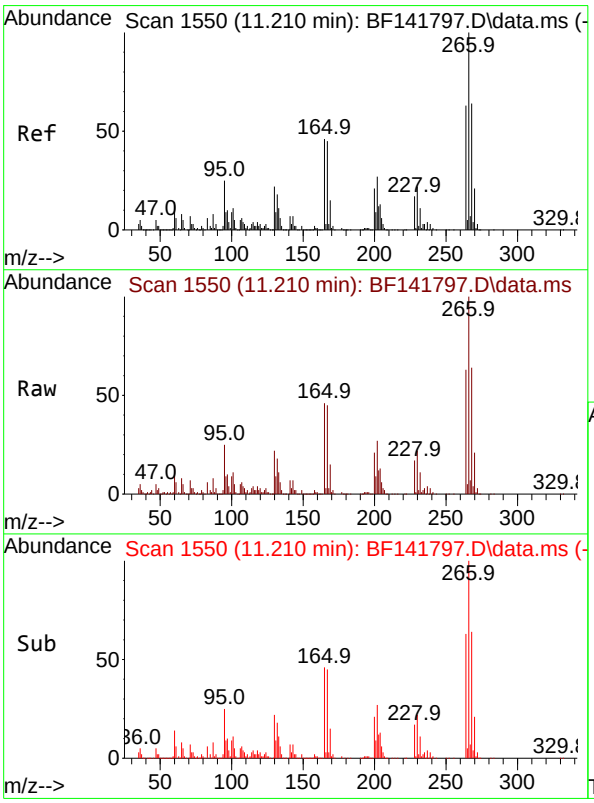
Tgt Ion:200 Resp: 36943

Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.6	45.6
215	45.3	25.3	65.3

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

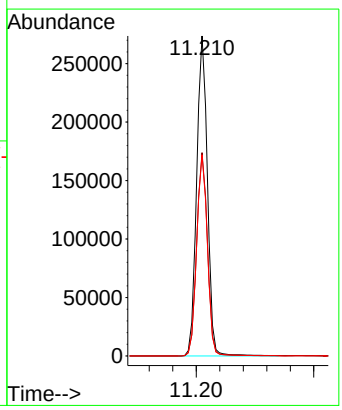


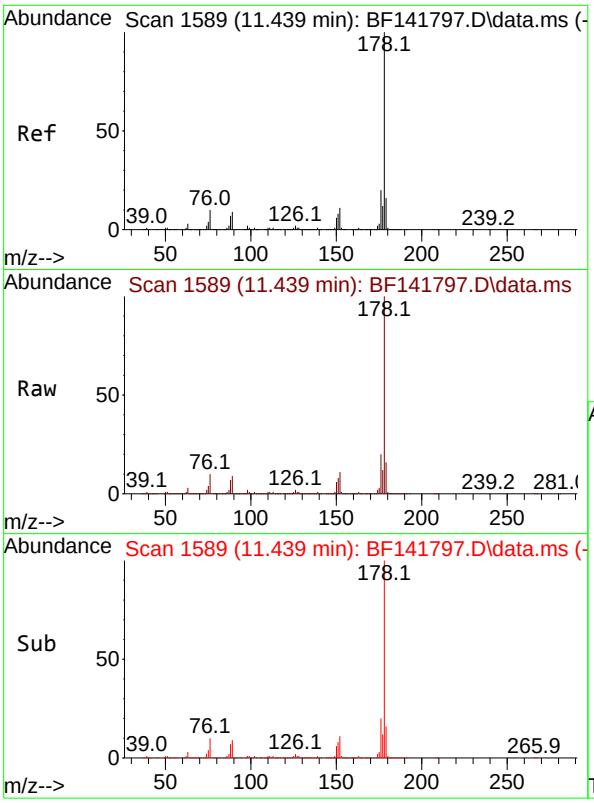


#70
Pentachlorophenol
Concen: 43.086 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:266 Resp: 347791

Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.9	76.3
264	62.8	50.2	75.4

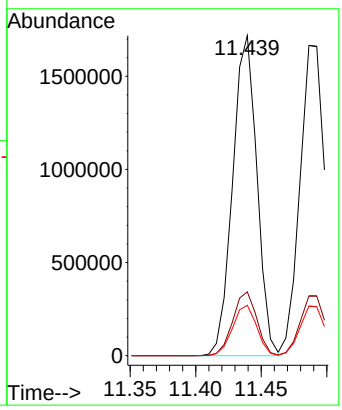




#71
Phenanthrene
Concen: 40.130 ng
RT: 11.439 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:178 Resp: 221495

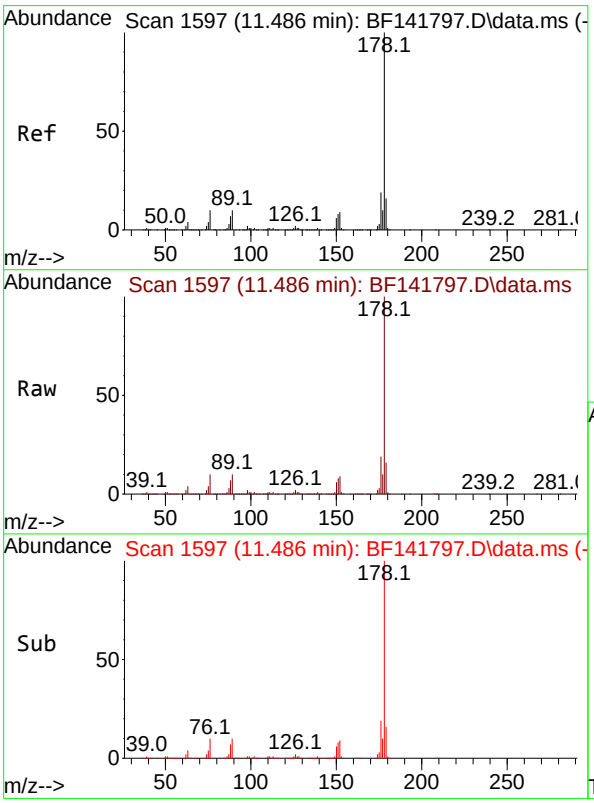
Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.0	24.0
179	15.8	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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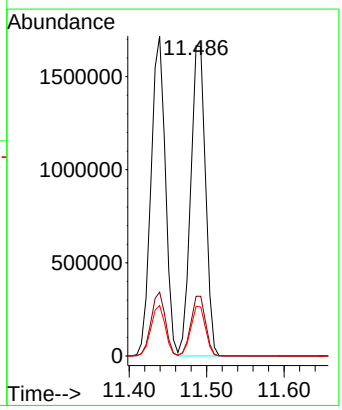
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

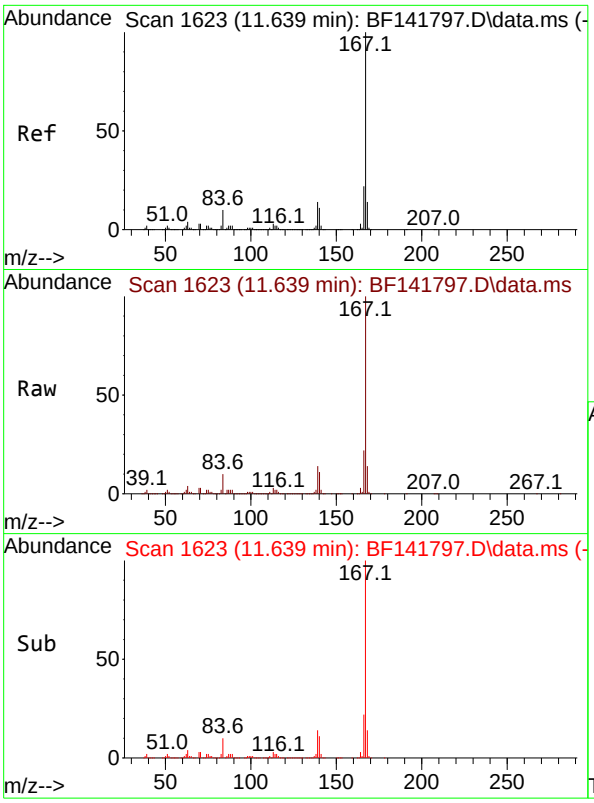


#72
Anthracene
Concen: 39.845 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:178 Resp: 2204147

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	16.0	12.8	19.2

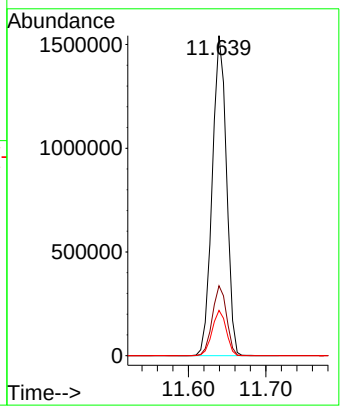




#73
Carbazole
Concen: 40.358 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:167 Resp: 197149

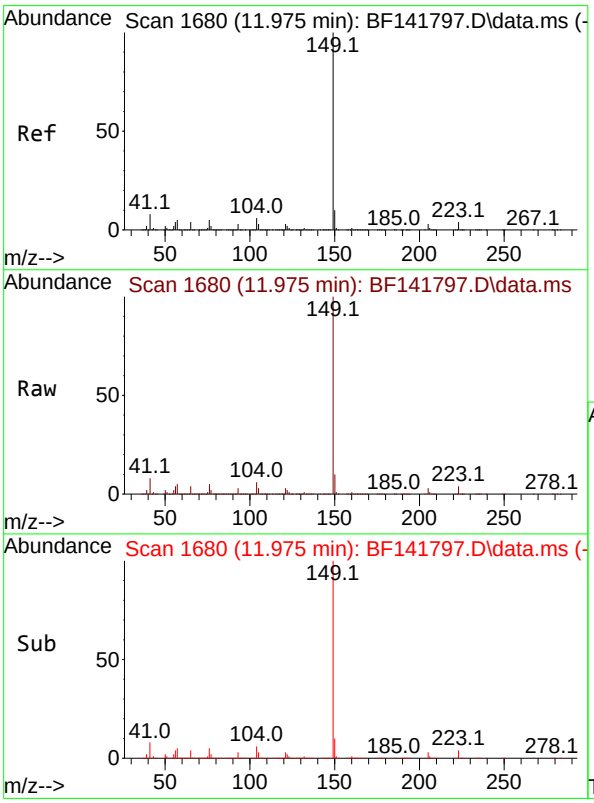
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	14.1	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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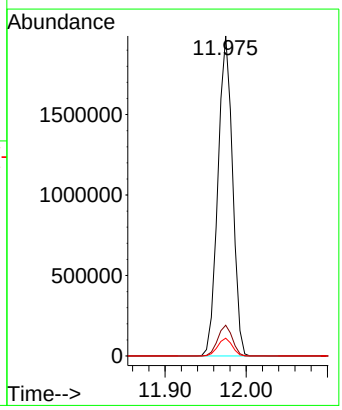
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

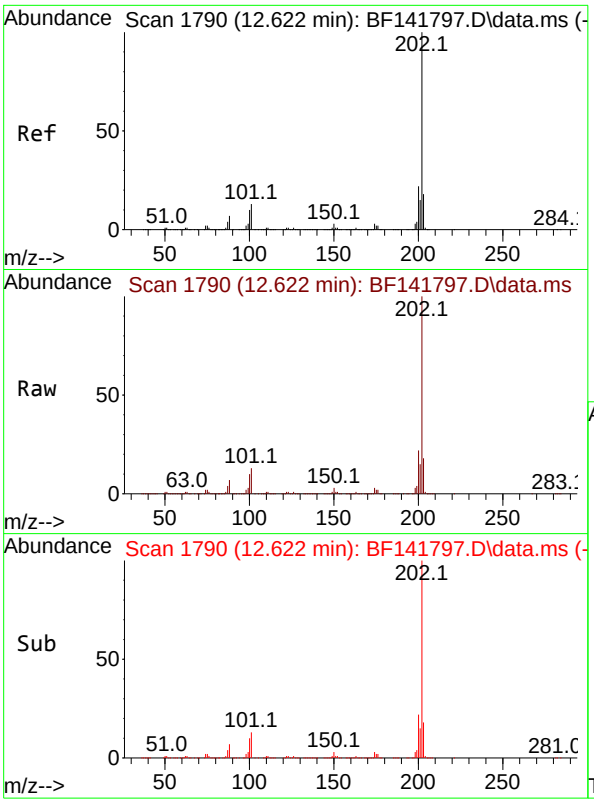


#74
Di-n-butylphthalate
Concen: 40.274 ng
RT: 11.975 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:149 Resp: 2493783

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	5.5	4.4	6.6

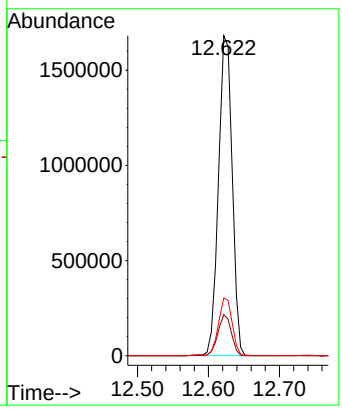




#75
Fluoranthene
Concen: 39.753 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:202 Resp: 224828

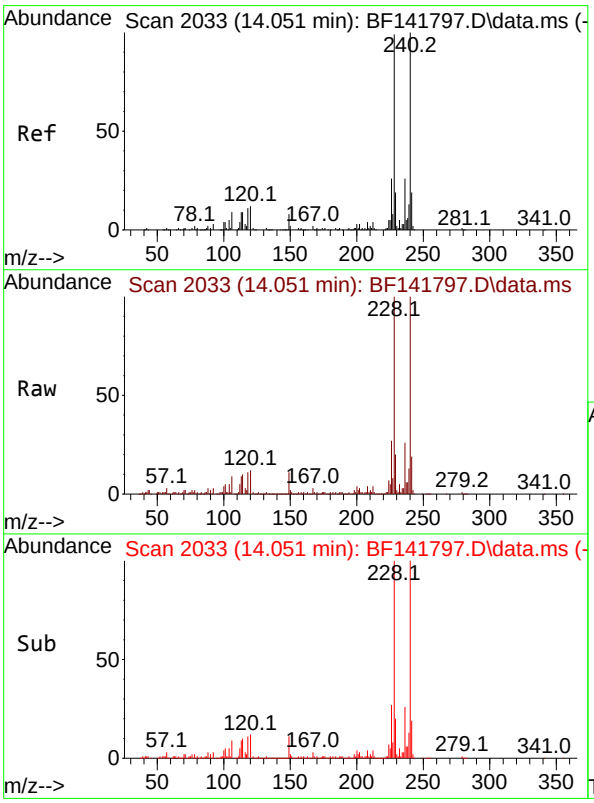
Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	32.8
203	18.0	0.0	38.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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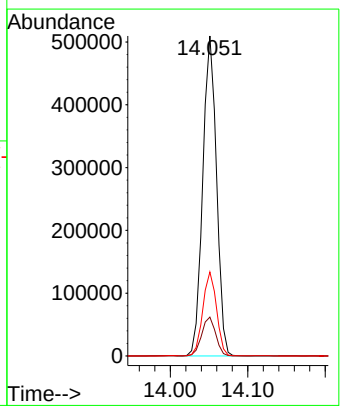
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

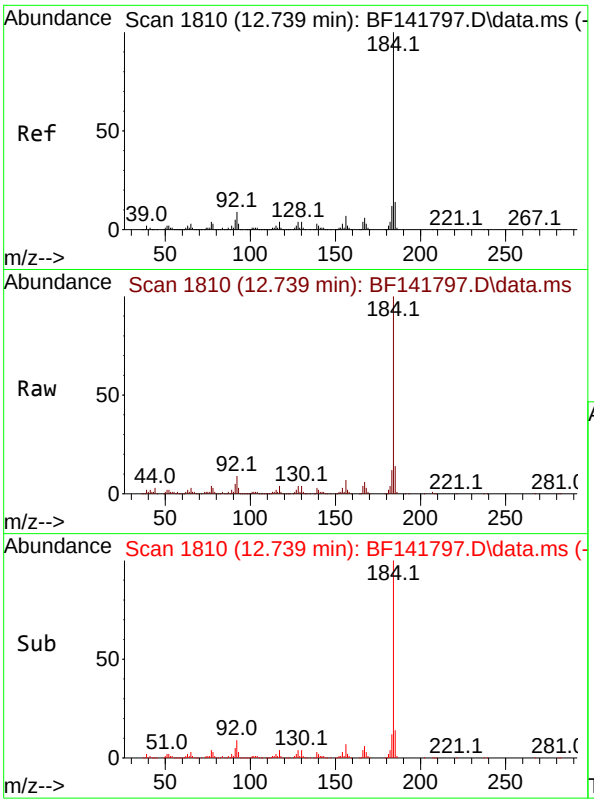


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:240 Resp: 629307

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.7	14.5
236	26.2	21.0	31.4





#77
Benzidine
Concen: 41.235 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

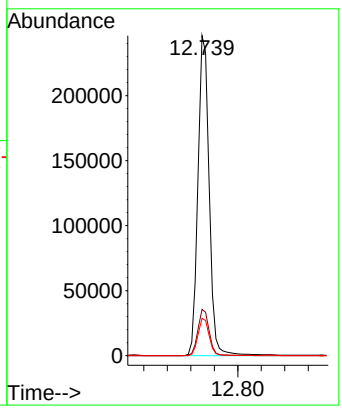
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

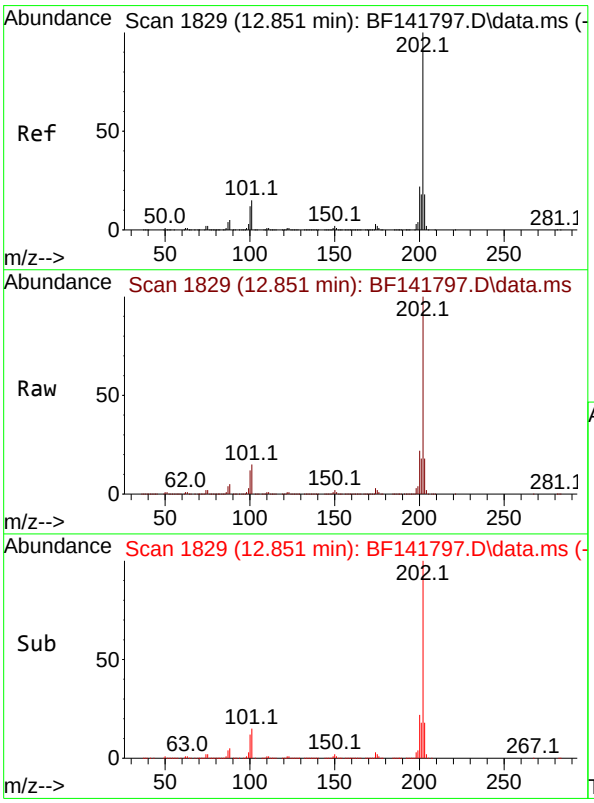
Tgt Ion:184 Resp: 32660

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.6	17.4
183	11.7	9.4	14.0

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

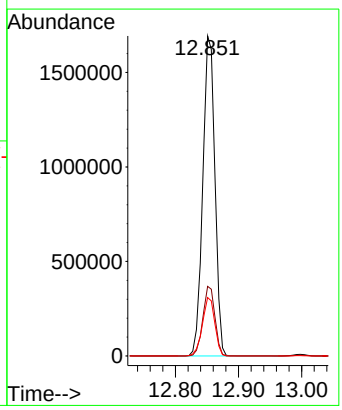


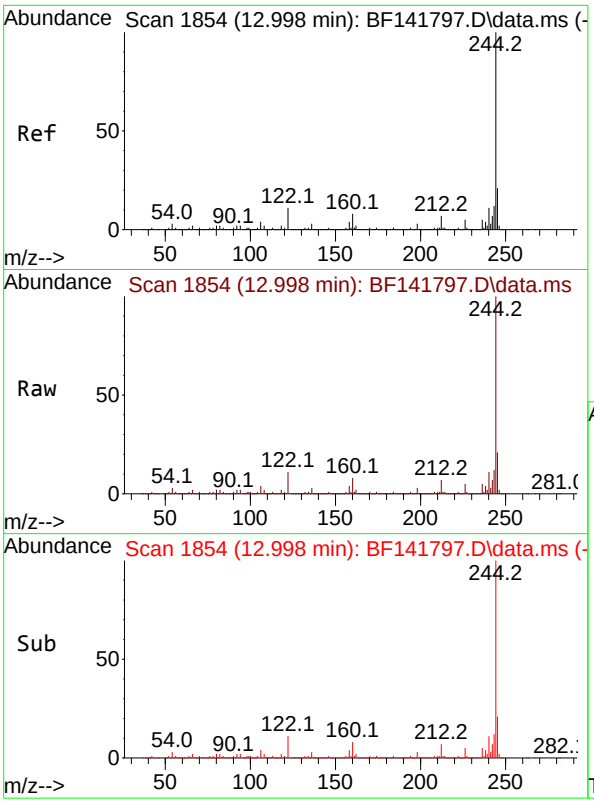


#78
Pyrene
Concen: 41.470 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:202 Resp: 2259888

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.0
203	18.3	14.6	22.0

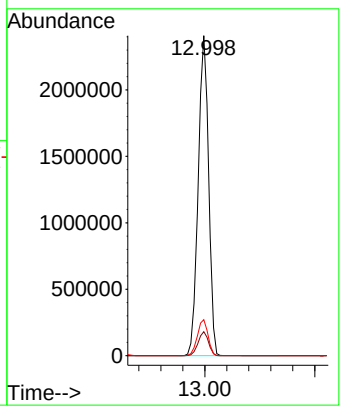




#79
Terphenyl-d14
Concen: 81.511 ng
RT: 12.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:244 Resp: 317044

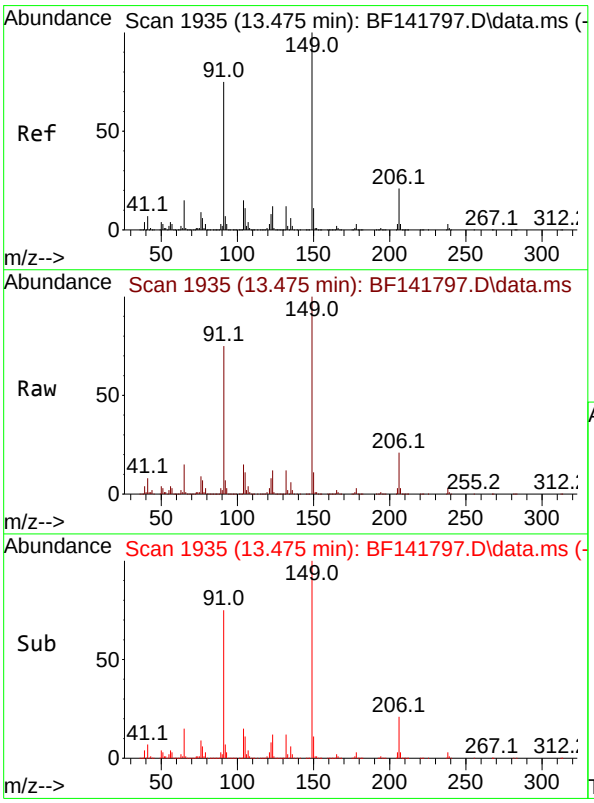
Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	11.3	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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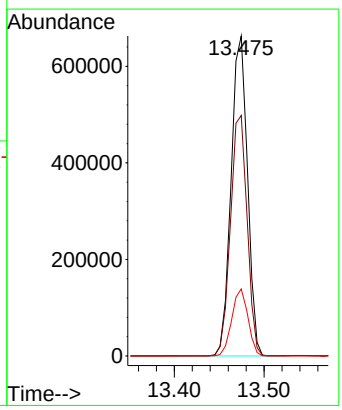
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

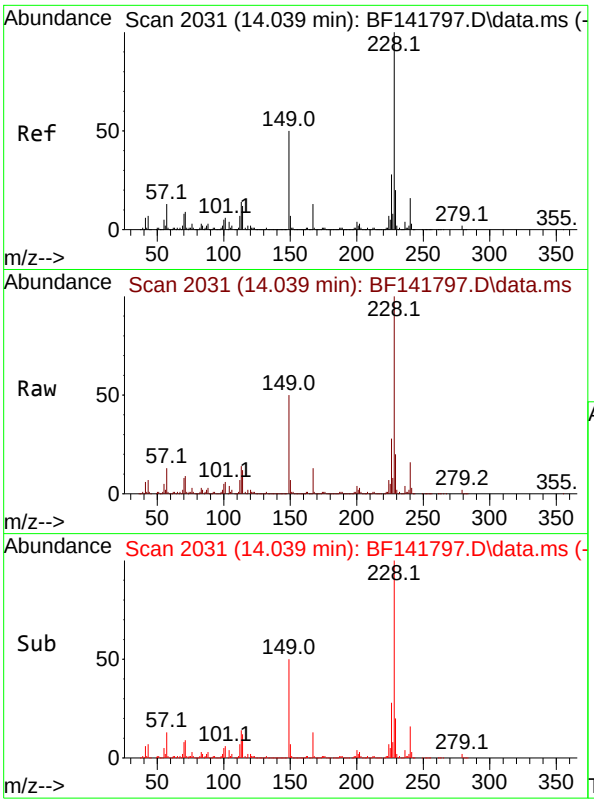


#80
Butylbenzylphthalate
Concen: 42.452 ng
RT: 13.475 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:149 Resp: 840509

Ion	Ratio	Lower	Upper
149	100		
91	75.1	60.1	90.1
206	21.0	16.8	25.2

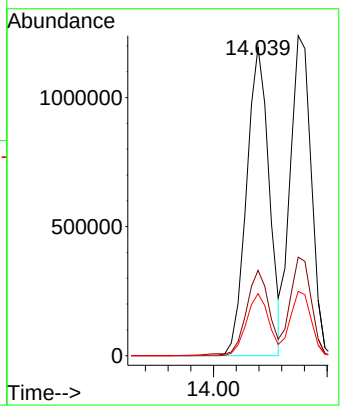




#81
Benzo(a)anthracene
Concen: 39.742 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:228 Resp: 165193

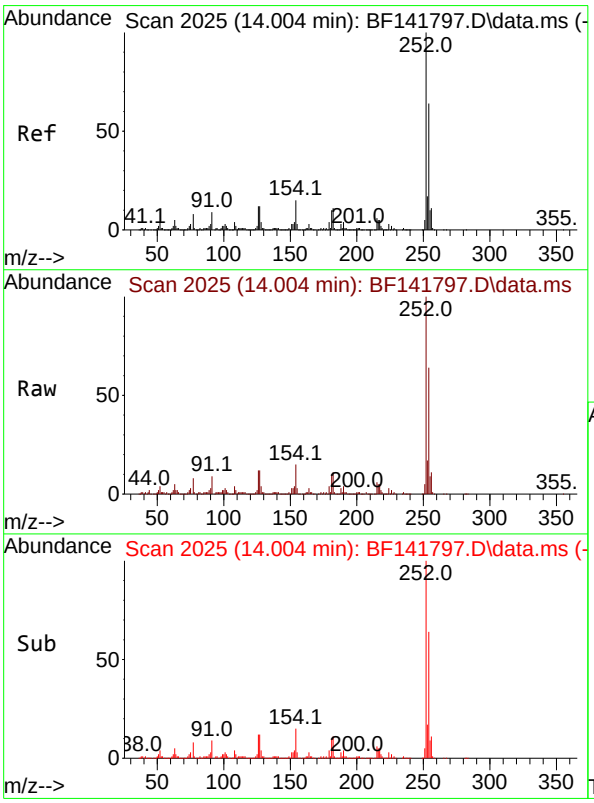
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
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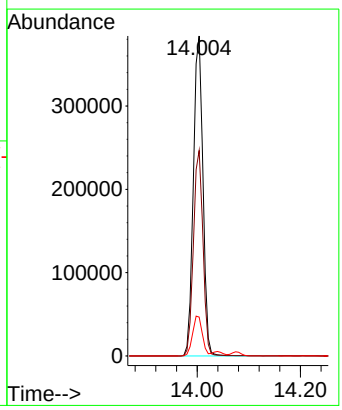
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

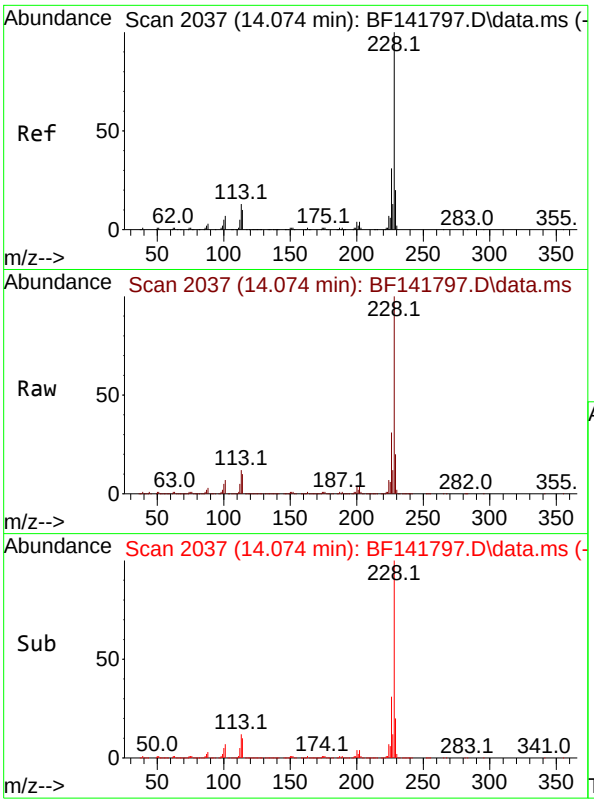


#82
3,3'-Dichlorobenzidine
Concen: 41.467 ng
RT: 14.004 min Scan# 2025
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:252 Resp: 494528

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.4	77.0
126	12.2	9.8	14.6

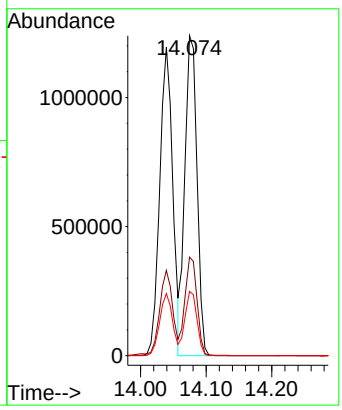




#83
Chrysene
Concen: 41.543 ng
RT: 14.074 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:228 Resp: 159181

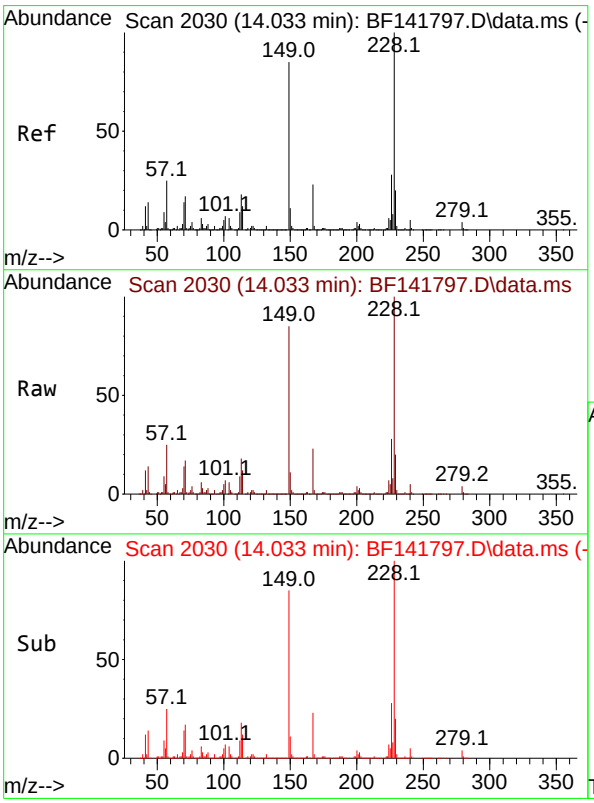
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	37.0
229	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

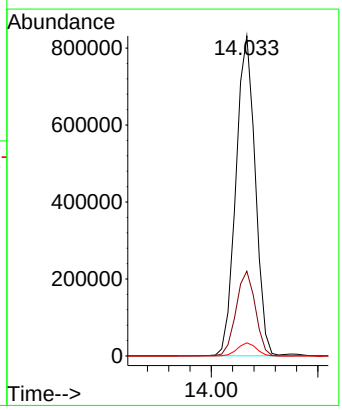
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

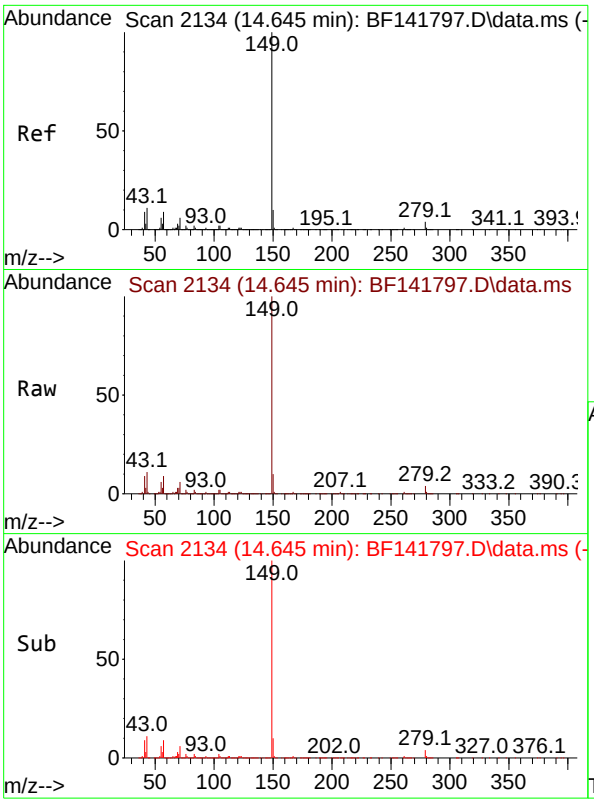


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.458 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:149 Resp: 1046693

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.2	31.8
279	4.1	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 44.568 ng
RT: 14.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

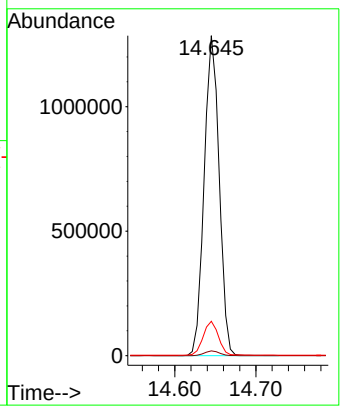
Tgt Ion:149 Resp: 164490

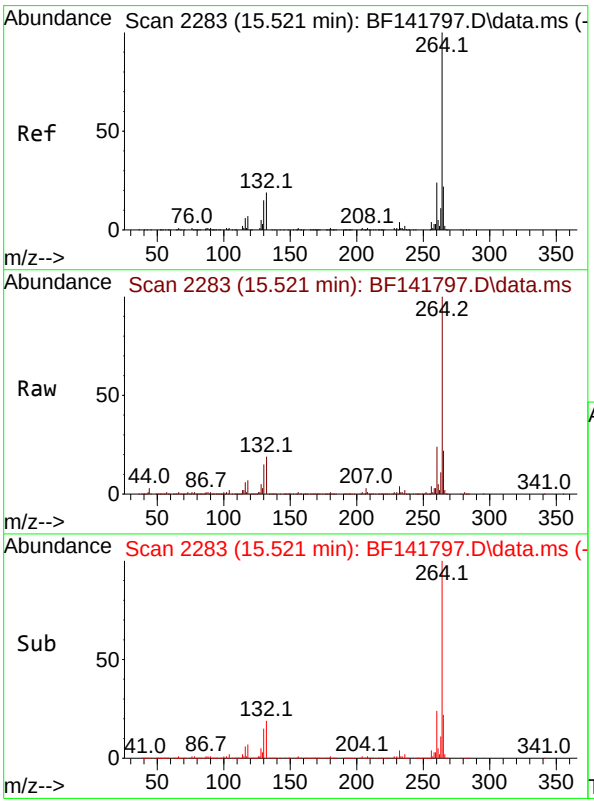
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	10.7	8.6	12.8

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

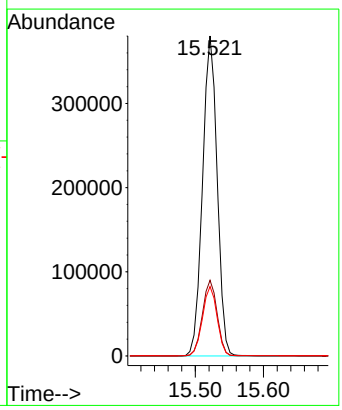


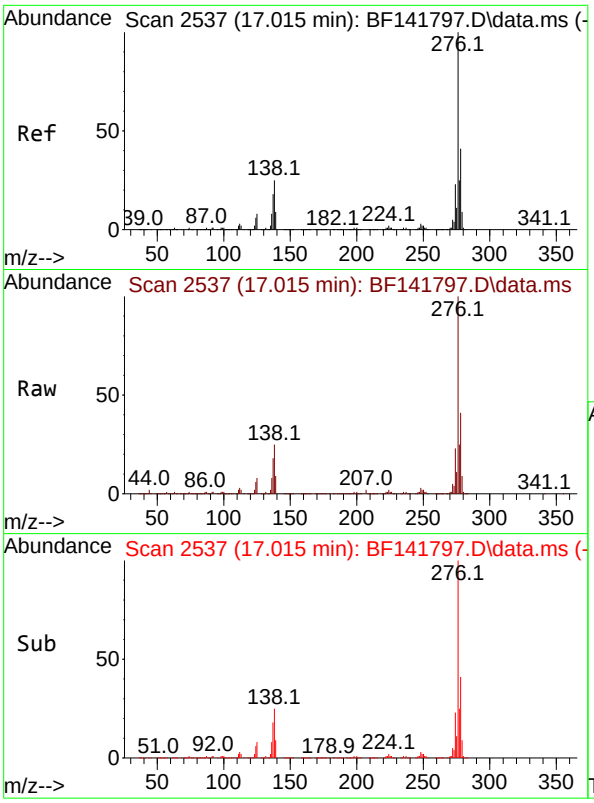


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:264 Resp: 567240

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.7	17.4	26.0

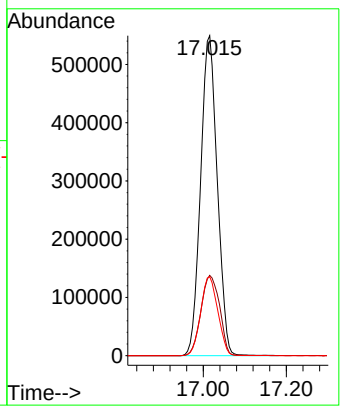




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.264 ng
RT: 17.015 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:276 Resp: 152657

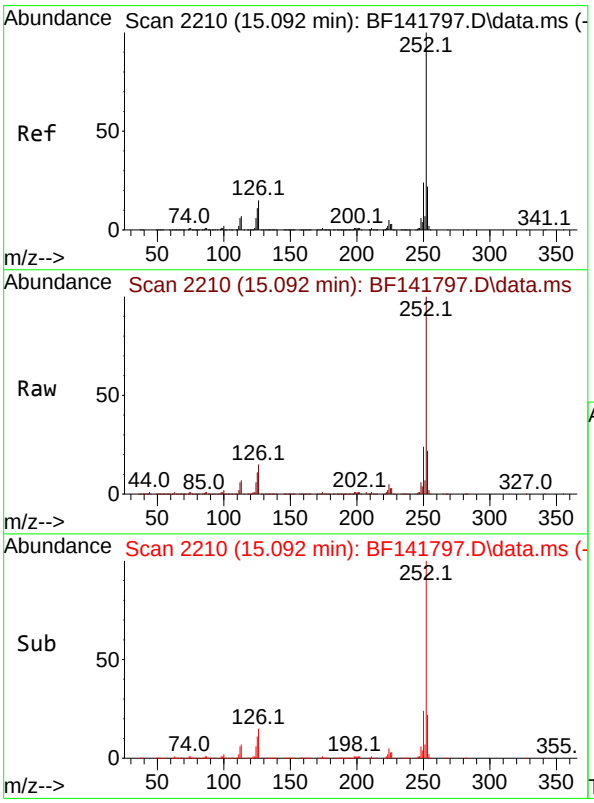
Ion	Ratio	Lower	Upper
276	100		
138	28.1	22.5	33.7
277	25.4	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

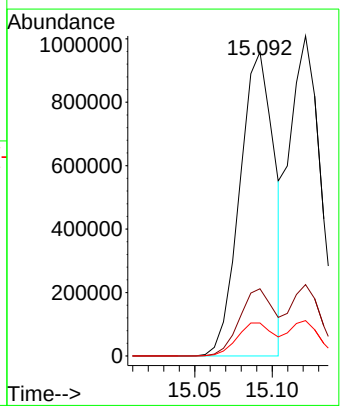
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

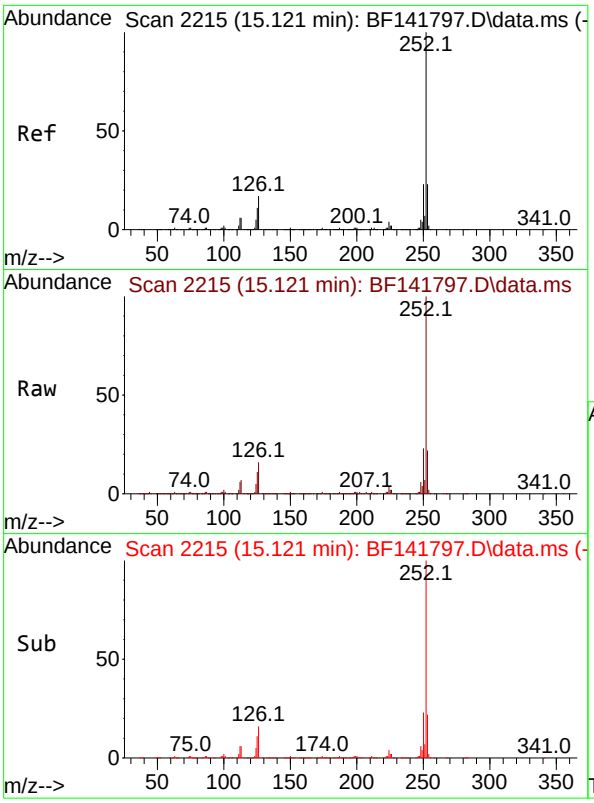


#88
Benzo(b)fluoranthene
Concen: 38.353 ng
RT: 15.092 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:252 Resp: 1481931

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.8	8.6	13.0

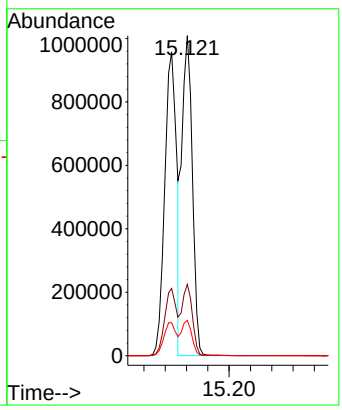




#89
Benzo(k)fluoranthene
Concen: 41.943 ng
RT: 15.121 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:252 Resp: 137747

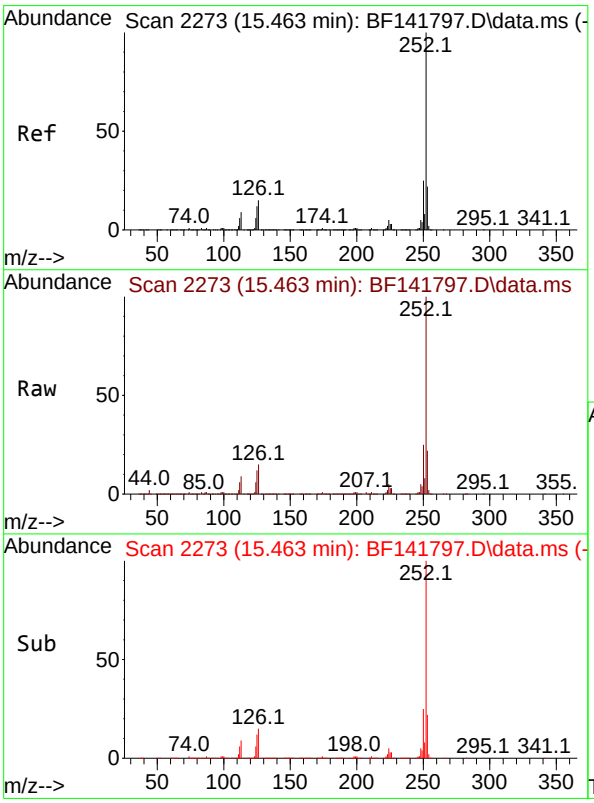
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.0	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

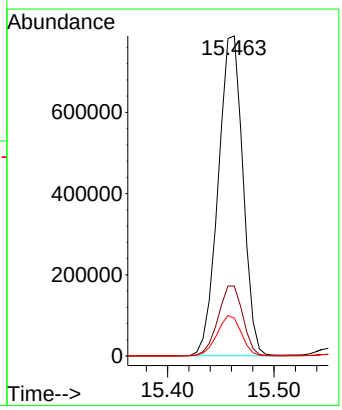
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

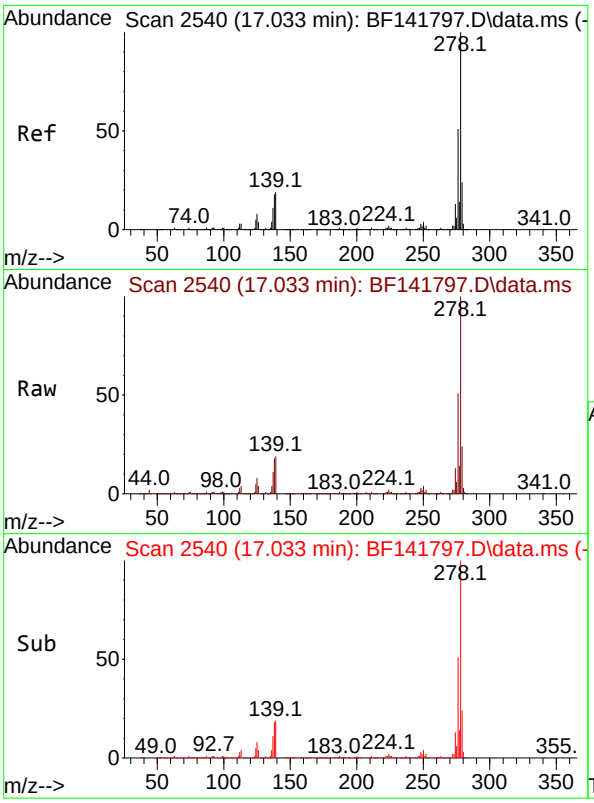


#90
Benzo(a)pyrene
Concen: 40.981 ng
RT: 15.463 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:252 Resp: 1269914

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.8	9.4	14.2

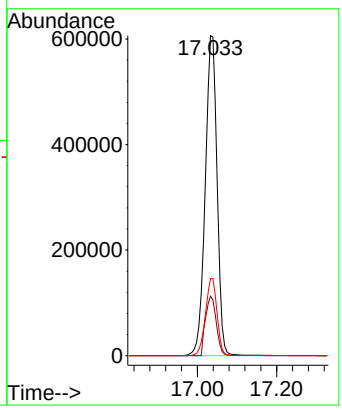




#91
Dibenzo(a,h)anthracene
Concen: 42.664 ng
RT: 17.033 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:278 Resp: 125786

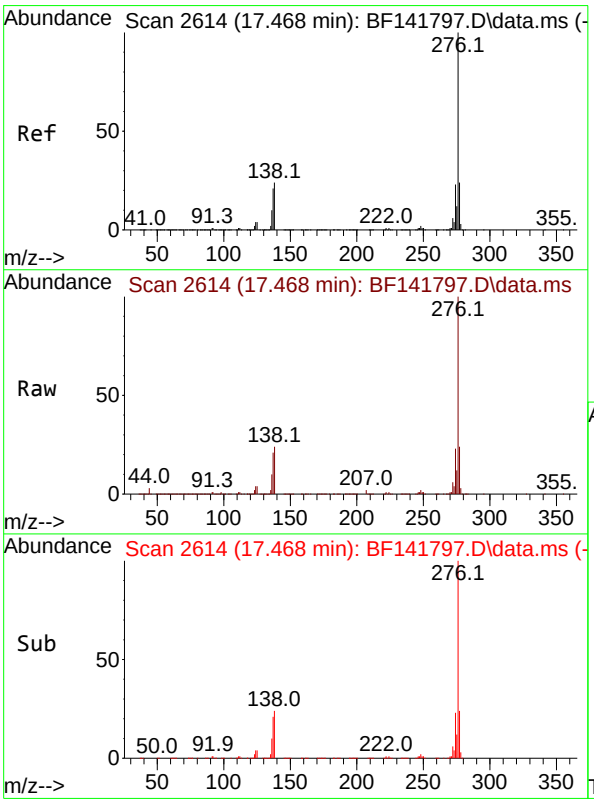
Ion	Ratio	Lower	Upper
278	100		
139	18.6	14.9	22.3
279	24.1	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

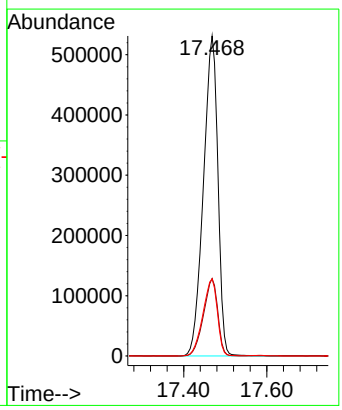
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025



#92
Benzo(g,h,i)perylene
Concen: 42.430 ng
RT: 17.468 min Scan# 2614
Delta R.T. 0.000 min
Lab File: BF141797.D
Acq: 27 Feb 2025 17:16

Tgt Ion:276 Resp: 1281590

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	24.1	19.3	28.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141798.D
Acq On : 27 Feb 2025 17:46
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Feb 28 01:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.892	152	294968	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	1175652	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	632437	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	1007266	20.000	ng		0.00
76) Chrysene-d12	14.051	240	571903	20.000	ng		0.00
86) Perylene-d12	15.521	264	520644	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	1747157	94.593	ng		0.00
7) Phenol-d6	6.510	99	2273216	94.557	ng		0.00
23) Nitrobenzene-d5	7.457	82	1953916	106.234	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	580093	97.701	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	3566962	90.435	ng		0.00
79) Terphenyl-d14	12.998	244	3516535	99.483	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.681	88	401754	47.937	ng		99
3) Pyridine	3.451	79	1017692	48.805	ng		99
4) n-Nitrosodimethylamine	3.404	42	497063	49.541	ng		99
6) Aniline	6.557	93	1210646	48.702	ng		100
8) 2-Chlorophenol	6.675	128	957860	47.940	ng		99
9) Benzaldehyde	6.440	77	644844	46.113	ng		99
10) Phenol	6.528	94	1210418	47.257	ng		99
11) bis(2-Chloroethyl)ether	6.628	93	943249	48.169	ng		99
12) 1,3-Dichlorobenzene	6.834	146	1016156	47.489	ng		99
13) 1,4-Dichlorobenzene	6.910	146	1024761	47.531	ng		100
14) 1,2-Dichlorobenzene	7.063	146	948038	47.090	ng		99
15) Benzyl Alcohol	7.028	79	927459	48.272	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1423138	47.854	ng		100
17) 2-Methylphenol	7.134	107	795600	48.240	ng		99
18) Hexachloroethane	7.404	117	393322	48.741	ng		99
19) n-Nitroso-di-n-propyla...	7.310	70	744192	47.090	ng		99
20) 3+4-Methylphenols	7.292	107	961623	46.825	ng	#	87
22) Acetophenone	7.298	105	1339971	46.798	ng		97
24) Nitrobenzene	7.475	77	1025625	52.073	ng		99
25) Isophorone	7.716	82	1886546	47.744	ng		99
26) 2-Nitrophenol	7.786	139	425765	48.354	ng		99
27) 2,4-Dimethylphenol	7.816	122	698393	48.082	ng		99
28) bis(2-Chloroethoxy)met...	7.922	93	1186179	47.060	ng		100
29) 2,4-Dichlorophenol	8.022	162	813150	48.527	ng		100
30) 1,2,4-Trichlorobenzene	8.110	180	875703	47.693	ng		99
31) Naphthalene	8.192	128	2820879	46.685	ng		100
32) Benzoic acid	7.945	122	587574	48.392	ng		99
33) 4-Chloroaniline	8.239	127	1028715	46.432	ng		99
34) Hexachlorobutadiene	8.310	225	551683	48.351	ng		99
35) Caprolactam	8.622	113	248725	48.241	ng		98
36) 4-Chloro-3-methylphenol	8.716	107	880725	47.314	ng		99
37) 2-Methylnaphthalene	8.886	142	1825639	46.064	ng		99
38) 1-Methylnaphthalene	8.986	142	1745465	45.899	ng		99
40) 1,2,4,5-Tetrachloroben...	9.051	216	868619	47.555	ng		100
41) Hexachlorocyclopentadiene	9.039	237	388222	50.930	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	578263	49.010	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141798.D
Acq On : 27 Feb 2025 17:46
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Feb 28 01:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

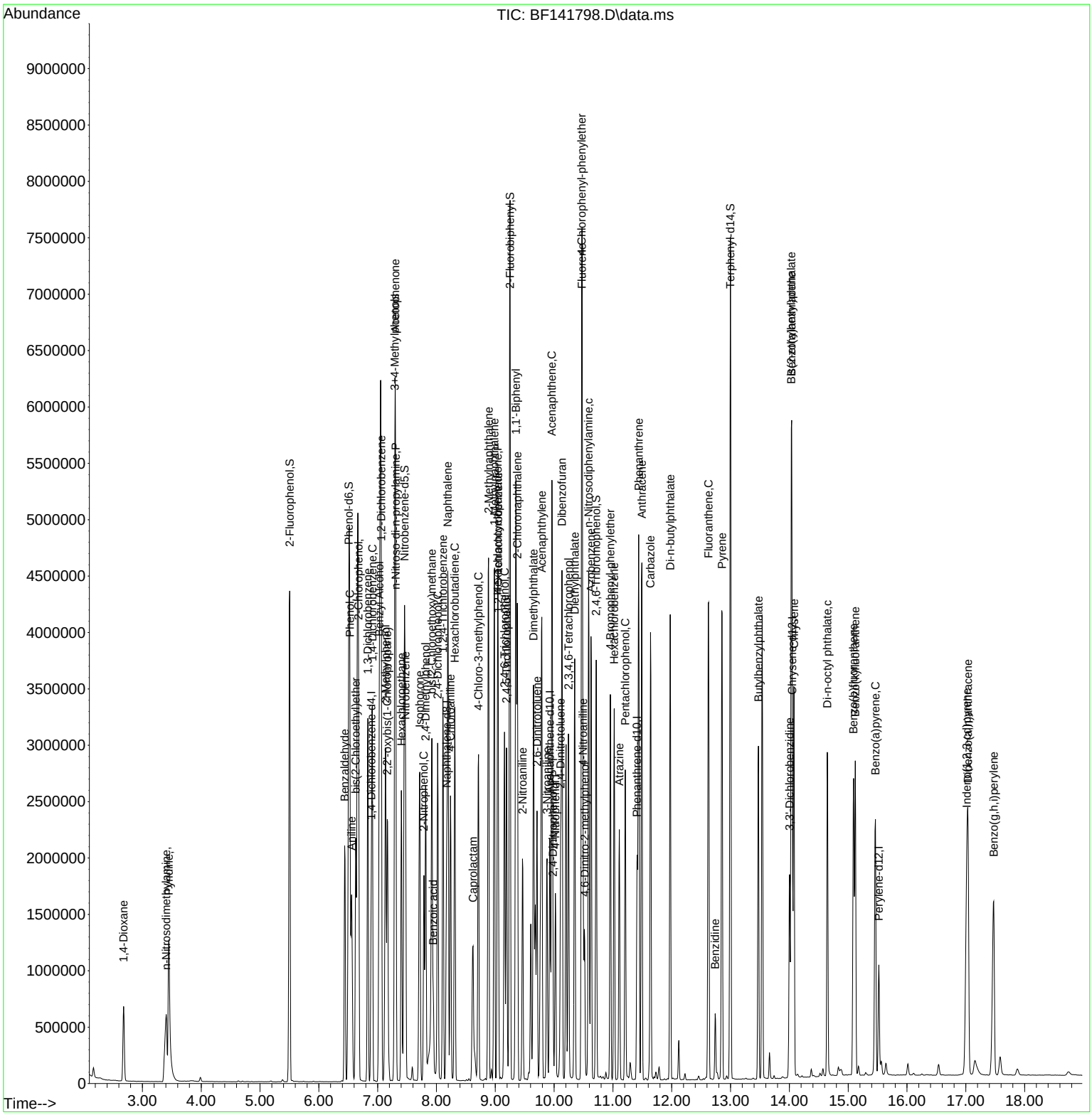
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	574978	49.213	ng		100
46) 1,1'-Biphenyl	9.351	154	2234592	46.420	ng		100
47) 2-Chloronaphthalene	9.375	162	1672555	47.075	ng		99
48) 2-Nitroaniline	9.463	65	469075	48.211	ng		98
49) Acenaphthylene	9.792	152	2466104	46.294	ng		99
50) Dimethylphthalate	9.651	163	1994958	47.103	ng		100
51) 2,6-Dinitrotoluene	9.710	165	396873	48.926	ng		99
52) Acenaphthene	9.963	154	1689163	46.994	ng		100
53) 3-Nitroaniline	9.880	138	417015	48.300	ng		97
54) 2,4-Dinitrophenol	9.980	184	151706	48.388	ng	#	8
55) Dibenzofuran	10.133	168	2422882	46.312	ng		100
56) 4-Nitrophenol	10.022	139	340020	54.357	ng		98
57) 2,4-Dinitrotoluene	10.110	165	490028	49.405	ng		100
58) Fluorene	10.475	166	1783757	45.518	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	489160	48.140	ng		97
60) Diethylphthalate	10.351	149	1991111	46.896	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	904835	46.084	ng		99
62) 4-Nitroaniline	10.492	138	391399	54.114	ng		98
63) Azobenzene	10.627	77	2087153	46.687	ng		100
65) 4,6-Dinitro-2-methylph...	10.522	198	227493	47.968	ng		95
66) n-Nitrosodiphenylamine	10.586	169	1588976	48.041	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	572161	48.631	ng		100
68) Hexachlorobenzene	11.022	284	605103	48.705	ng		99
69) Atrazine	11.110	200	374540	41.179	ng		99
70) Pentachlorophenol	11.210	266	400352	50.809	ng		100
71) Phenanthrene	11.439	178	2521849	46.806	ng		99
72) Anthracene	11.492	178	2522132	46.707	ng		100
73) Carbazole	11.639	167	2220778	46.572	ng		100
74) Di-n-butylphthalate	11.974	149	2839813	46.982	ng		100
75) Fluoranthene	12.627	202	2499217	45.269	ng		99
77) Benzidine	12.739	184	305582	42.453	ng		99
78) Pyrene	12.857	202	2484995	50.178	ng		100
80) Butylbenzylphthalate	13.474	149	929464	51.657	ng		99
81) Benzo(a)anthracene	14.039	228	1777948	47.067	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	520451	48.021	ng		99
83) Chrysene	14.080	228	1694396	48.659	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1159761	51.766	ng		100
85) Di-n-octyl phthalate	14.645	149	1865081	55.606	ng		100
87) Indeno(1,2,3-cd)pyrene	17.015	276	1740850	52.510	ng		100
88) Benzo(b)fluoranthene	15.092	252	1603729	45.220	ng		100
89) Benzo(k)fluoranthene	15.121	252	1516995	50.326	ng		100
90) Benzo(a)pyrene	15.462	252	1379319	48.495	ng		100
91) Dibenzo(a,h)anthracene	17.039	278	1423862	52.616	ng		99
92) Benzo(g,h,i)perylene	17.474	276	1469480	53.005	ng		99

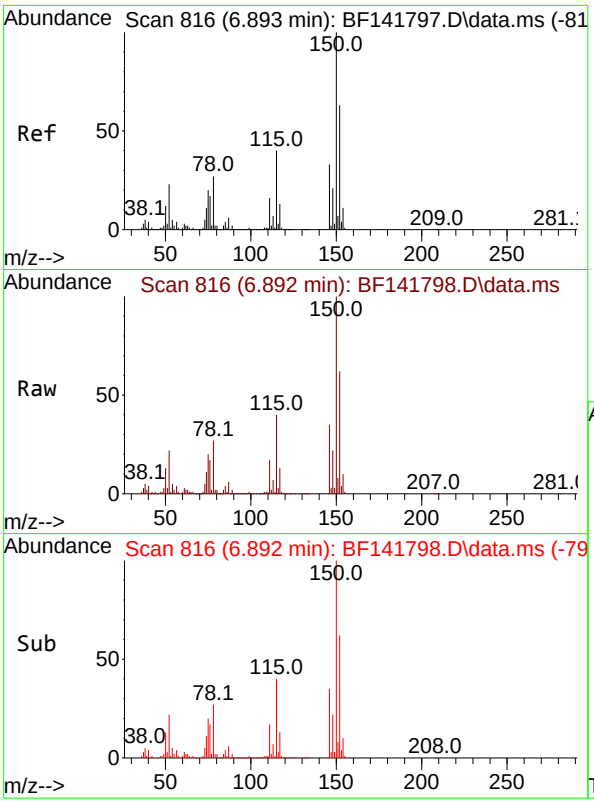
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141798.D
Acq On : 27 Feb 2025 17:46
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Feb 28 01:26:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration



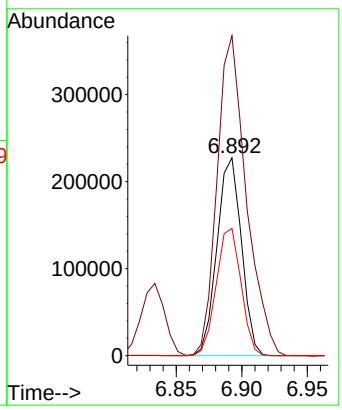


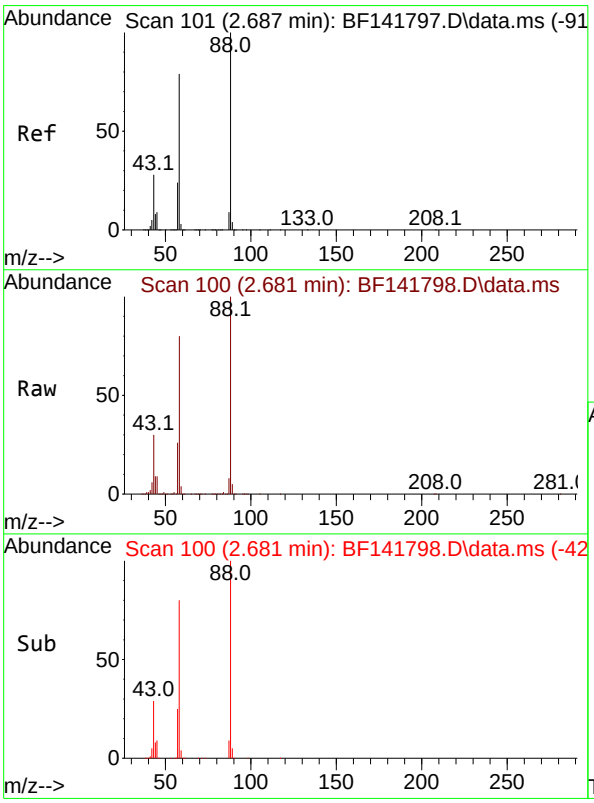
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 294968

Ion	Ratio	Lower	Upper
152	100		
150	161.7	127.5	191.3
115	64.3	51.4	77.2

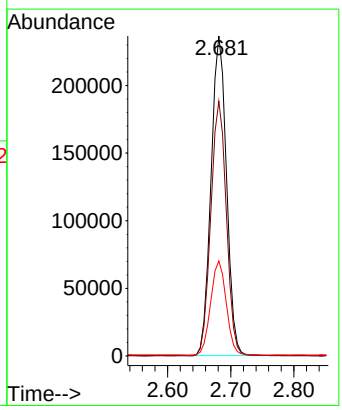


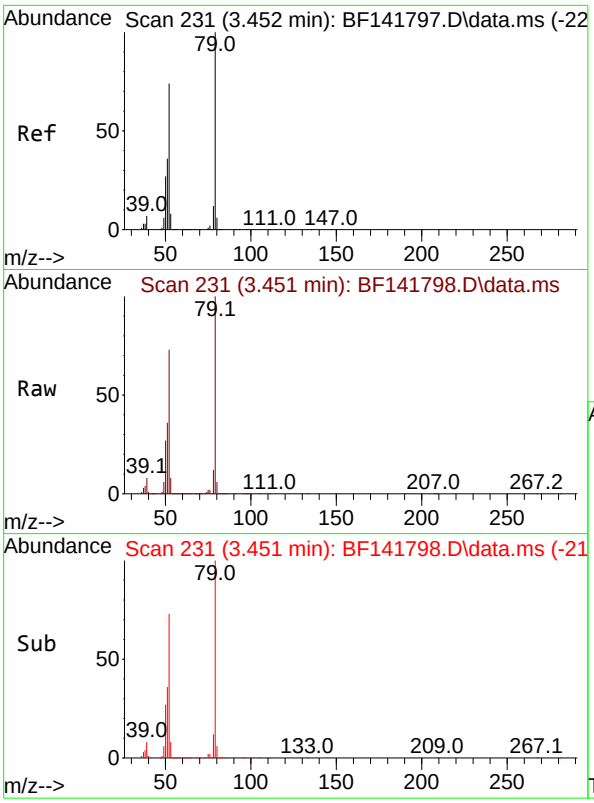


#2
1,4-Dioxane
Concen: 47.937 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 88 Resp: 401754

Ion	Ratio	Lower	Upper
88	100		
58	80.2	63.9	95.9
43	29.6	23.0	34.6



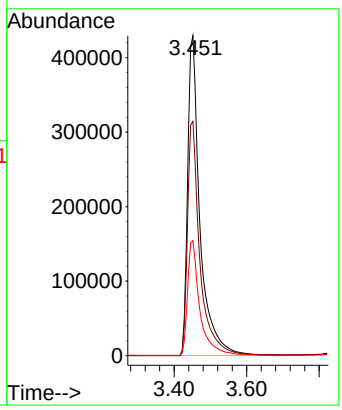


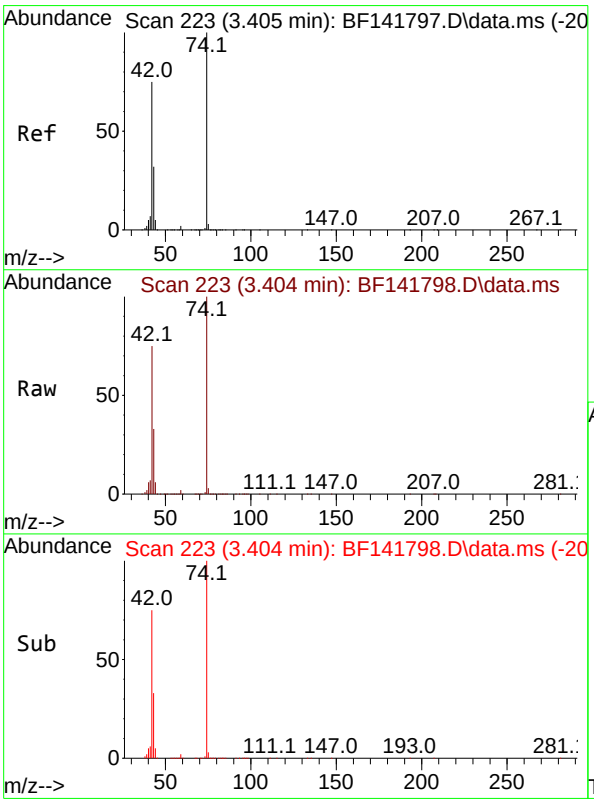
#3
Pyridine
Concen: 48.805 ng
RT: 3.451 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 1017692

Ion	Ratio	Lower	Upper
79	100		
52	73.2	59.0	88.4
51	35.9	29.0	43.4

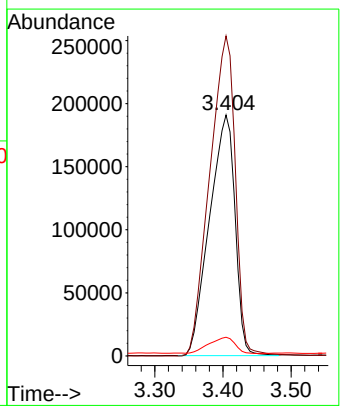


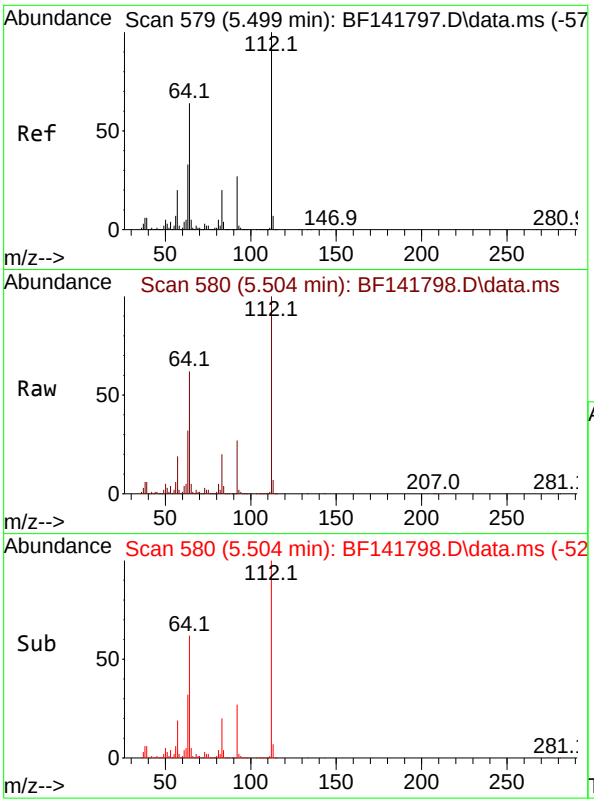


#4
n-Nitrosodimethylamine
Concen: 49.541 ng
RT: 3.404 min Scan# 223
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 42 Resp: 497063

Ion	Ratio	Lower	Upper
42	100		
74	132.8	107.1	160.7
44	7.7	6.6	9.8



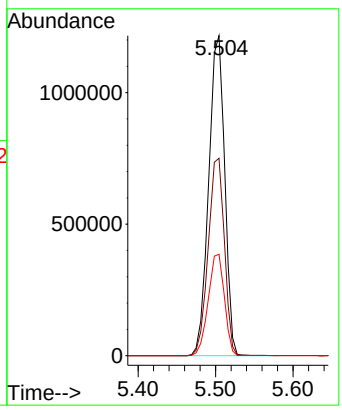


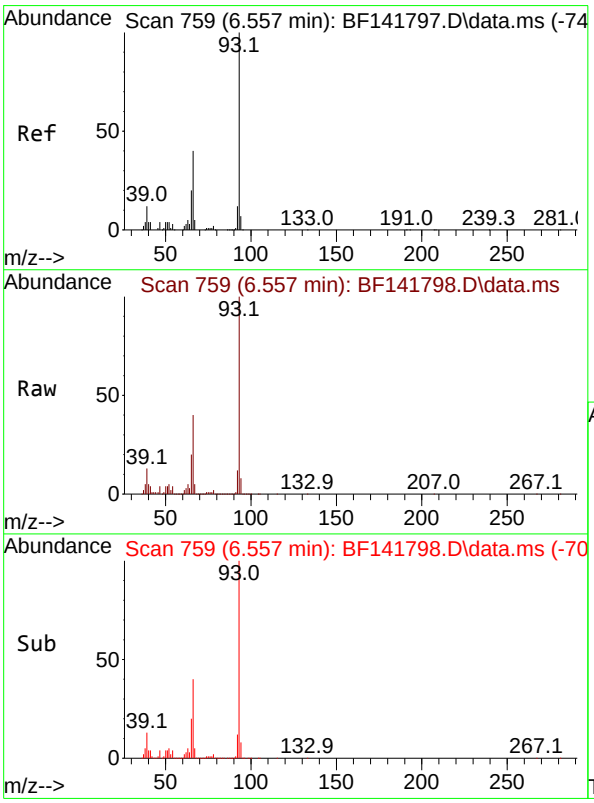
#5
2-Fluorophenol
Concen: 94.593 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1747157

Ion	Ratio	Lower	Upper
112	100		
64	61.7	51.3	76.9
63	31.7	26.2	39.4

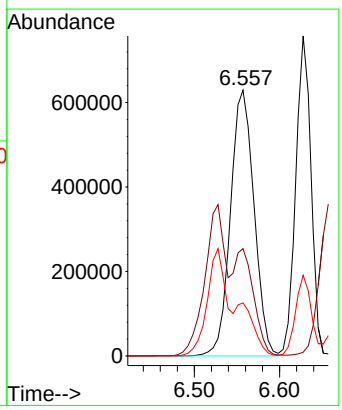


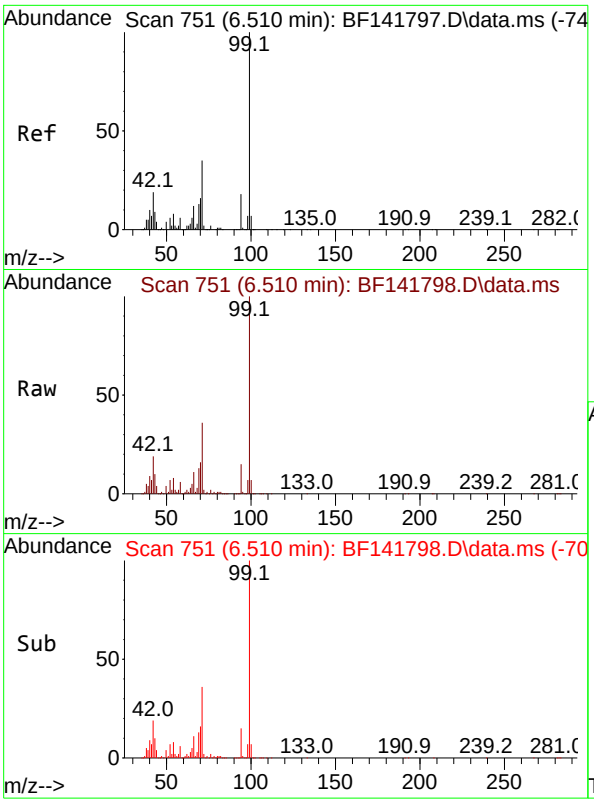


#6
Aniline
Concen: 48.702 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 93 Resp: 1210646

Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.3	48.5
65	20.0	15.9	23.9



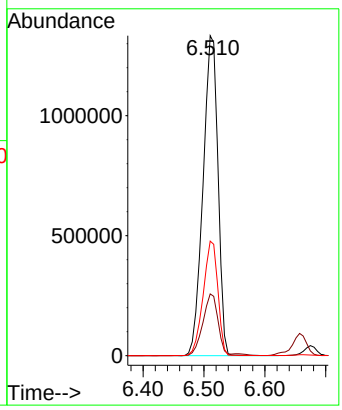


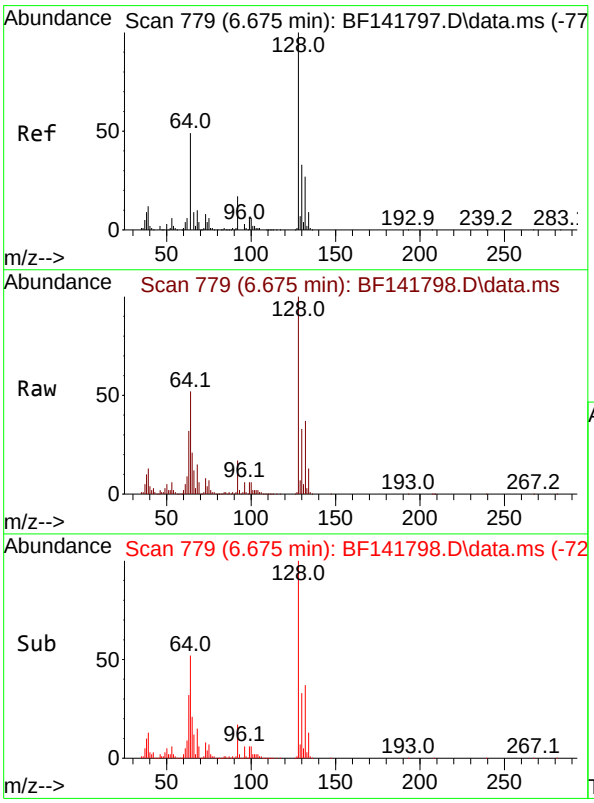
#7
Phenol-d6
Concen: 94.557 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2273216

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.2	22.8
71	35.8	28.2	42.2

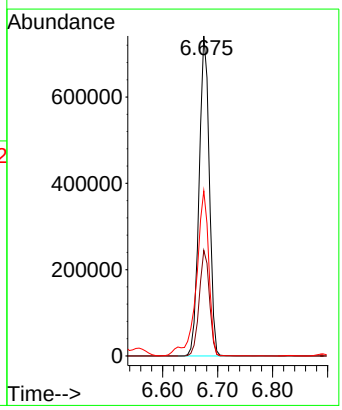


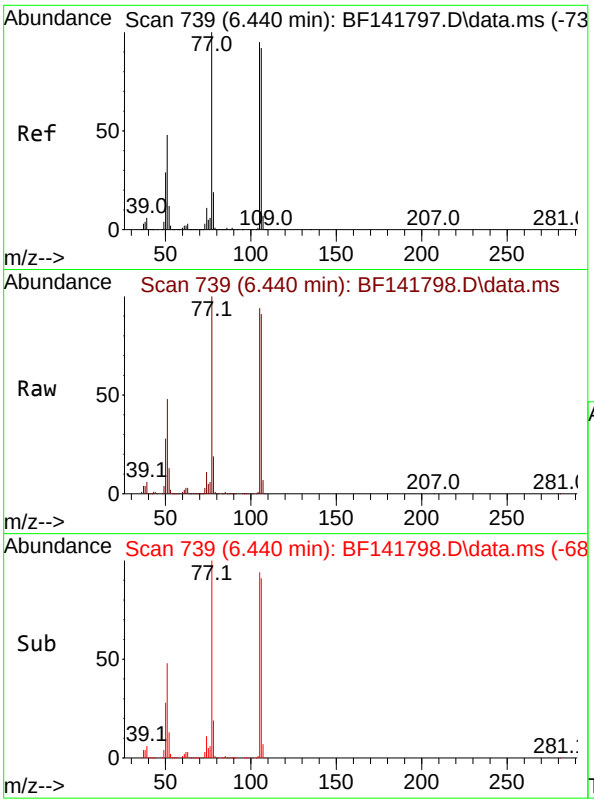


#8
2-Chlorophenol
Concen: 47.940 ng
RT: 6.675 min Scan# 779
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:128 Resp: 957860

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.6	52.6
64	51.6	31.1	71.1



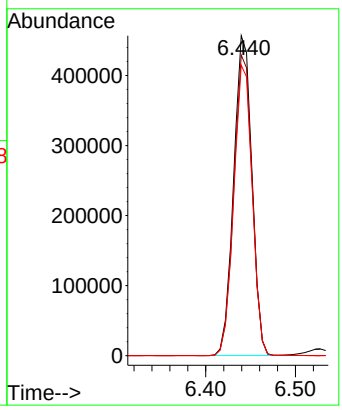


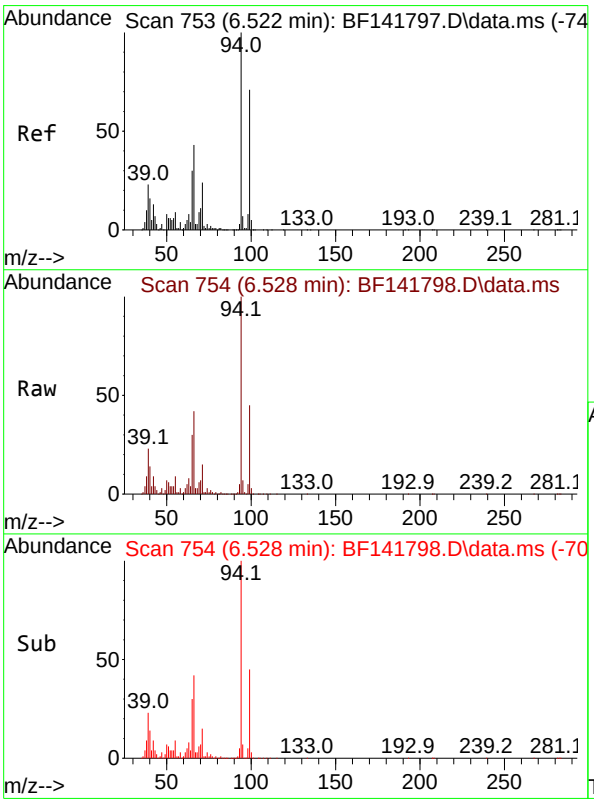
#9
Benzaldehyde
Concen: 46.113 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 644844

Ion	Ratio	Lower	Upper
77	100		
105	93.9	75.3	115.3
106	90.8	72.3	112.3

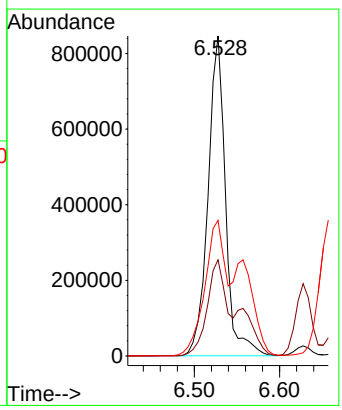


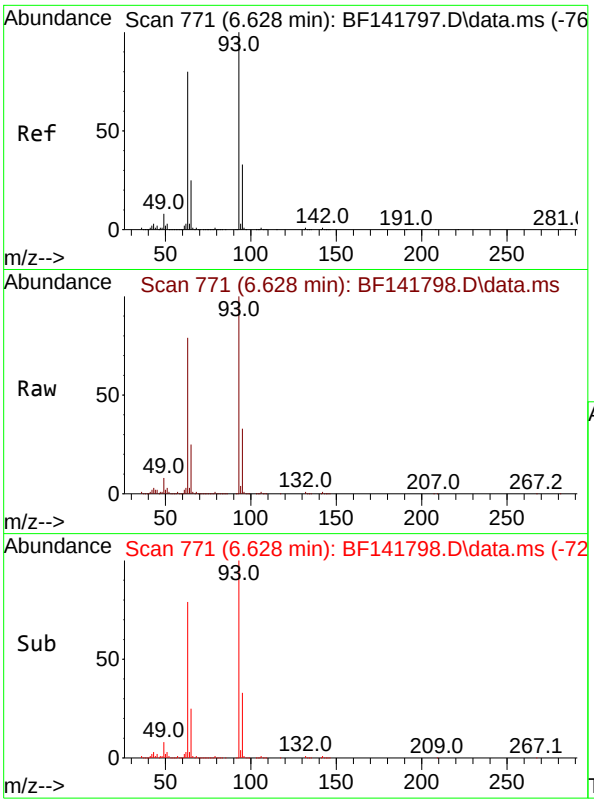


#10
Phenol
Concen: 47.257 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 94 Resp: 1210418

Ion	Ratio	Lower	Upper
94	100		
65	30.0	10.2	50.2
66	42.3	23.2	63.2



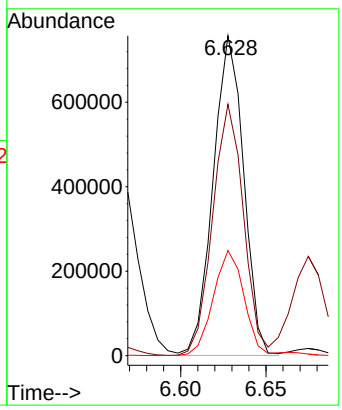


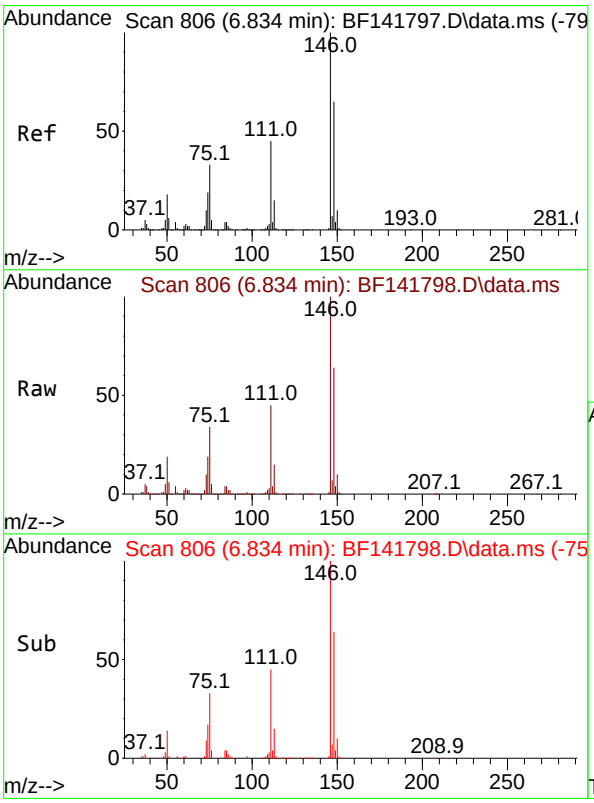
#11
bis(2-Chloroethyl)ether
Concen: 48.169 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 943249

Ion	Ratio	Lower	Upper
93	100		
63	78.6	59.3	99.3
95	32.9	13.2	53.2

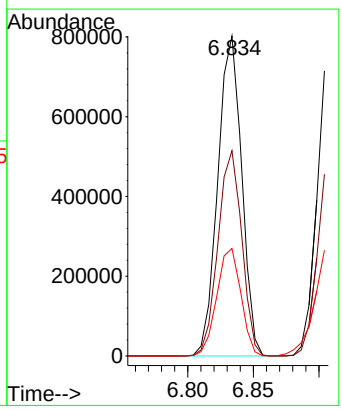


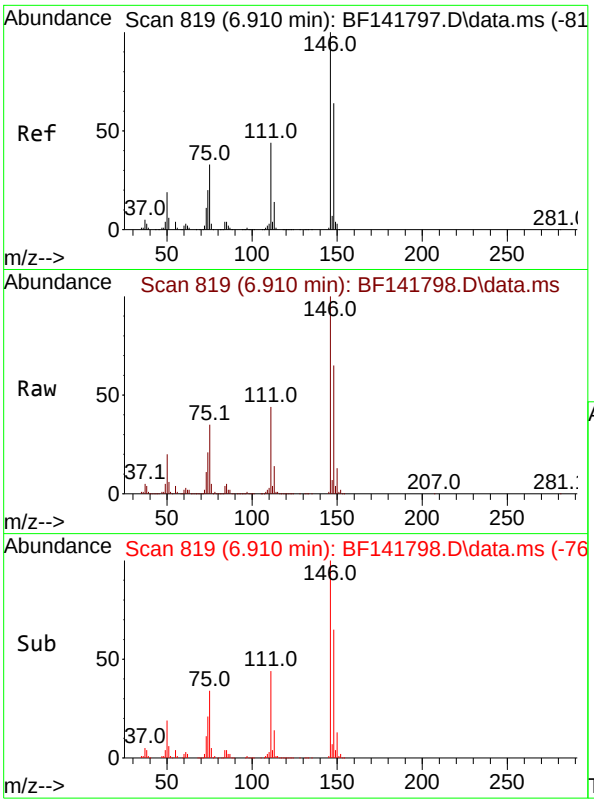


#12
1,3-Dichlorobenzene
Concen: 47.489 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:146 Resp: 1016156

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.6
75	33.6	26.2	39.4



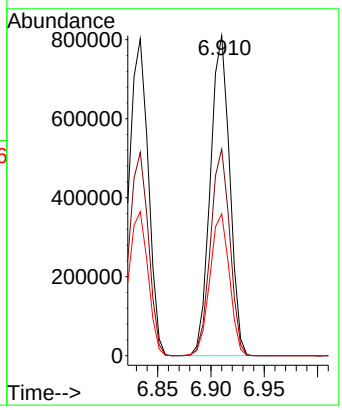


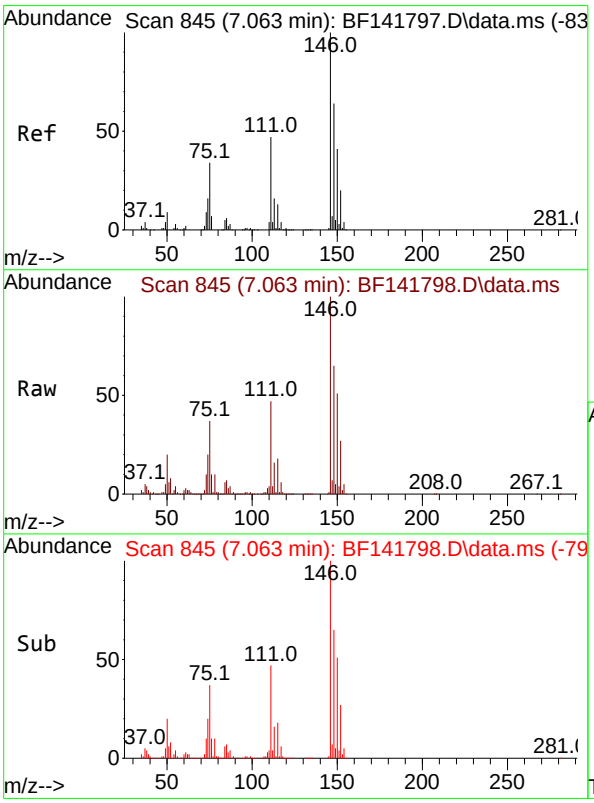
#13
1,4-Dichlorobenzene
Concen: 47.531 ng
RT: 6.910 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 1024761

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.2
111	44.3	35.5	53.3

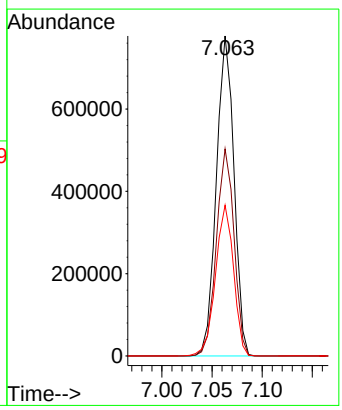


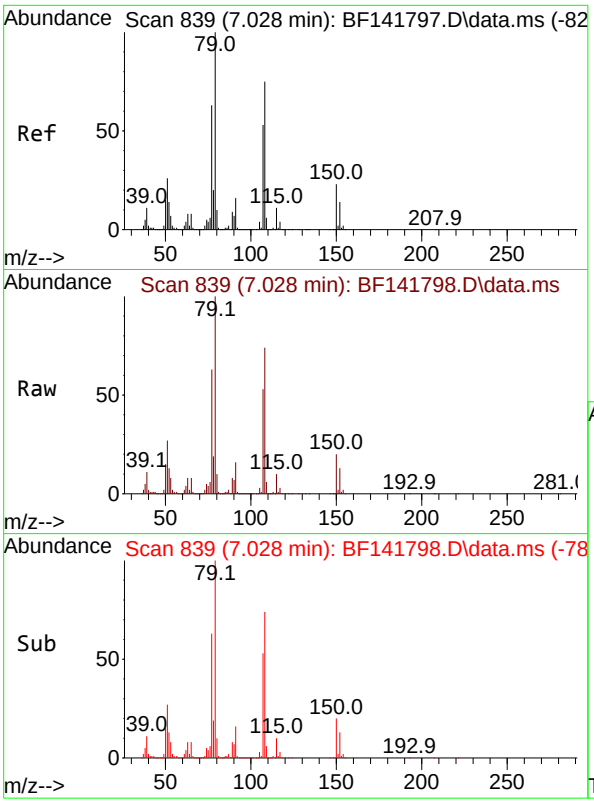


#14
1,2-Dichlorobenzene
Concen: 47.090 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:146 Resp: 948038

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.2	76.8
111	47.1	37.8	56.6



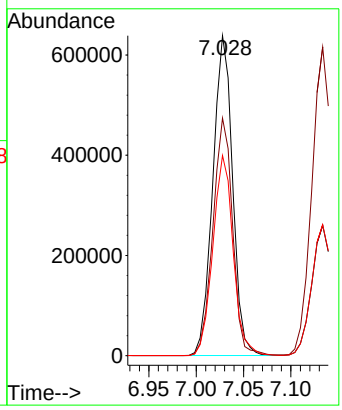


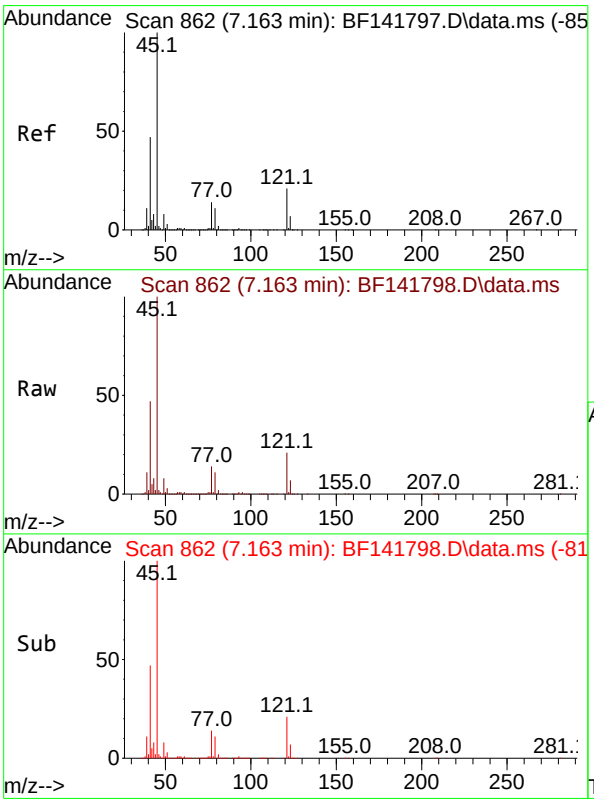
#15
Benzyl Alcohol
Concen: 48.272 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 927459

Ion	Ratio	Lower	Upper
79	100		
108	74.2	60.2	90.2
77	62.6	50.2	75.2

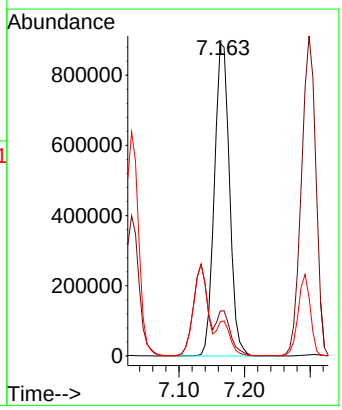


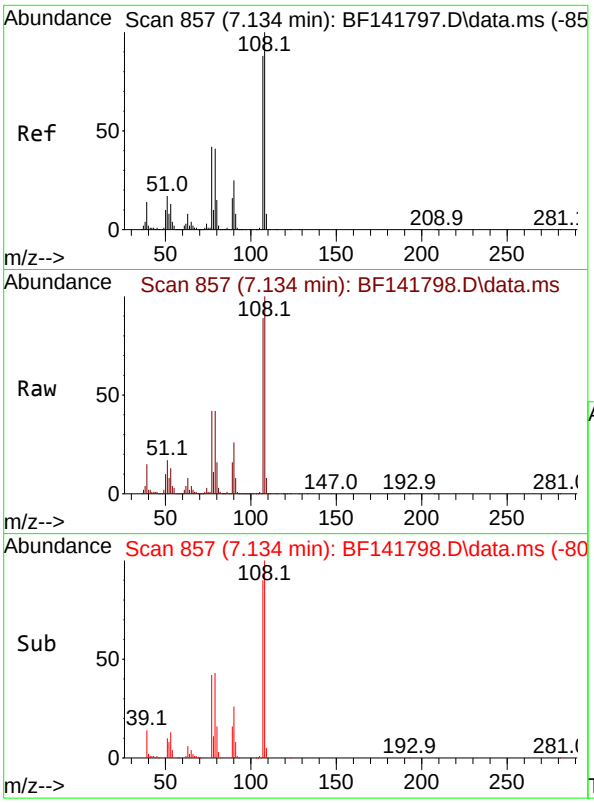


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.854 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 45 Resp: 1423138

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	34.4
79	10.9	0.0	30.9



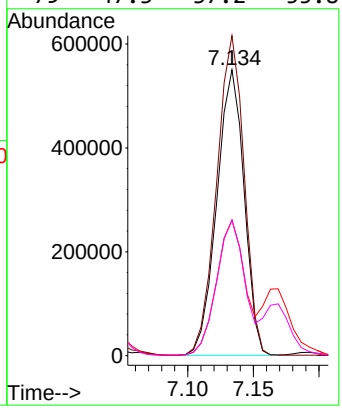


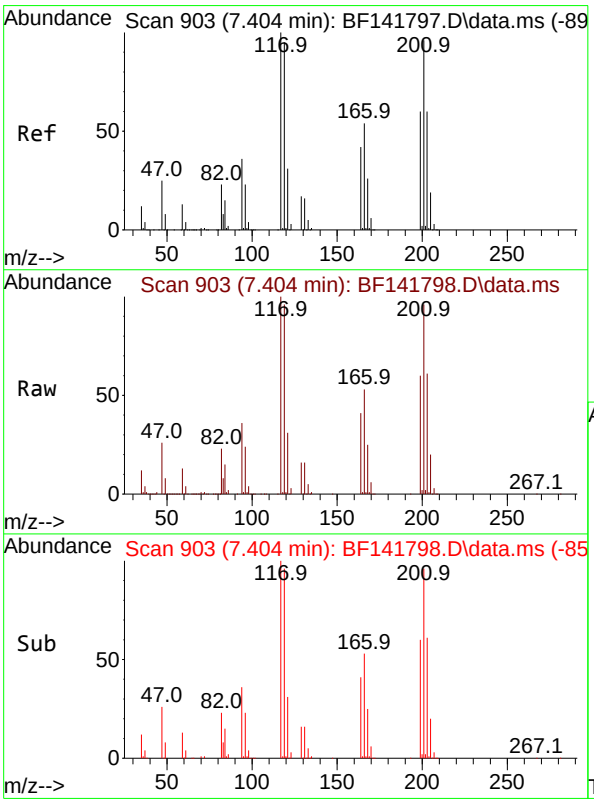
#17
2-Methylphenol
Concen: 48.240 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 795600

Ion	Ratio	Lower	Upper
107	100		
108	111.9	90.6	135.8
77	47.5	37.7	56.5
79	47.3	37.2	55.8

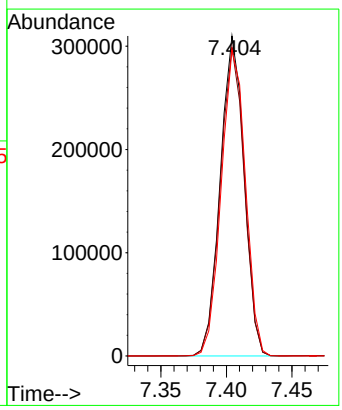


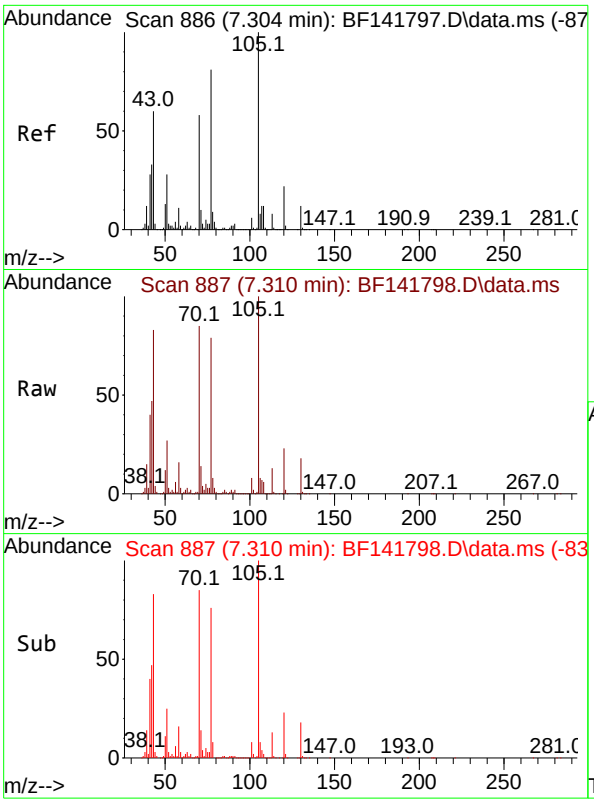


#18
Hexachloroethane
Concen: 48.741 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:117 Resp: 393322

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.8	113.8
201	95.6	76.7	115.1



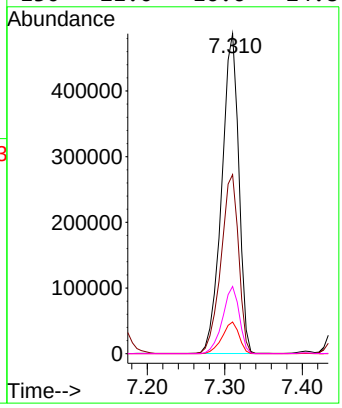


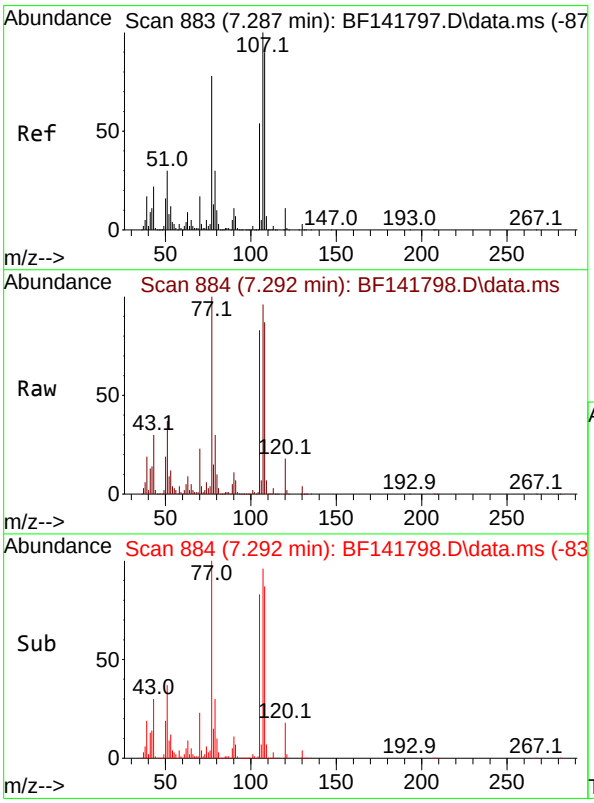
#19
n-Nitroso-di-n-propylamine
Concen: 47.090 ng
RT: 7.310 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 744192

Ion	Ratio	Lower	Upper
70	100		
42	55.9	45.4	68.0
101	9.9	7.8	11.8
130	21.0	16.6	24.8

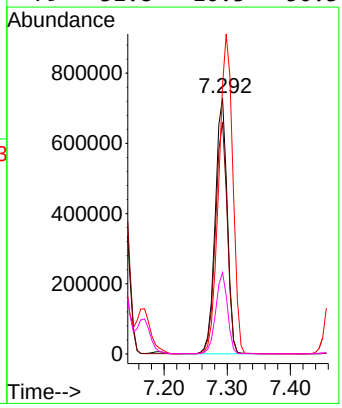


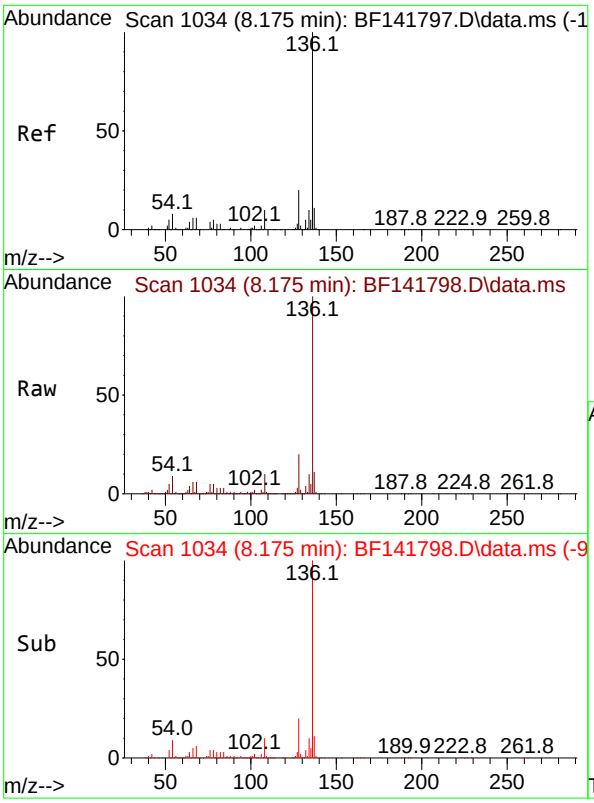


#20
3+4-Methylphenols
Concen: 46.825 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:107 Resp: 961623

Ion	Ratio	Lower	Upper
107	100		
108	90.6	69.7	109.7
77	104.7	58.3	98.3#
79	31.8	10.3	50.3



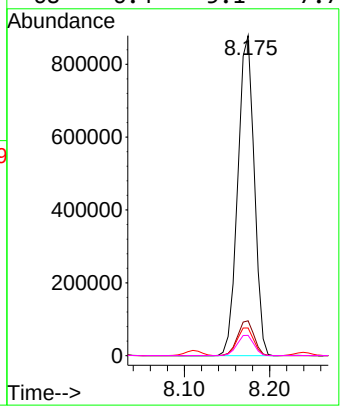


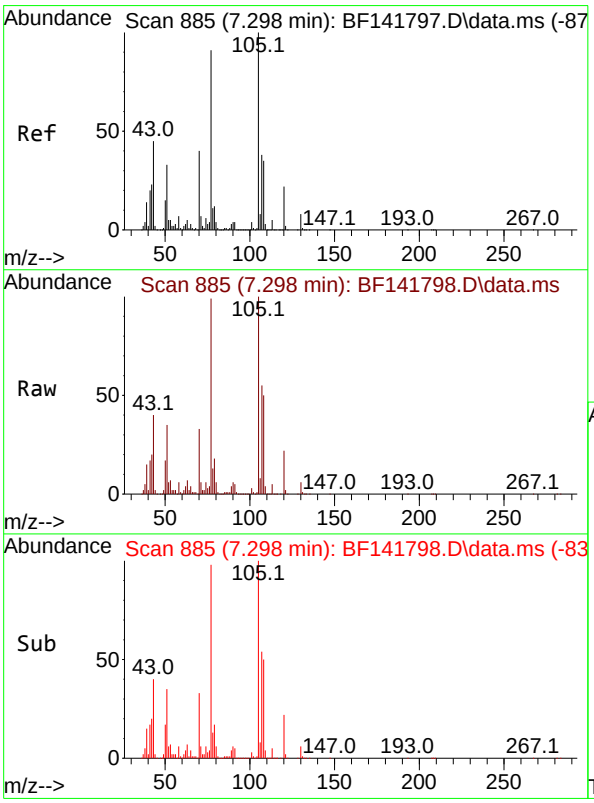
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1175652

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.7	6.9	10.3
68	6.4	5.1	7.7

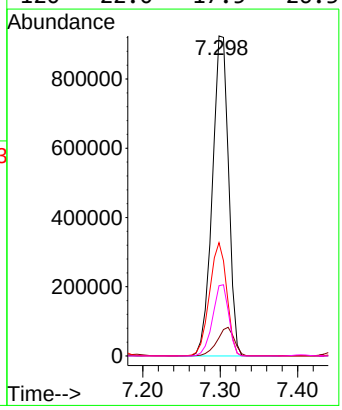


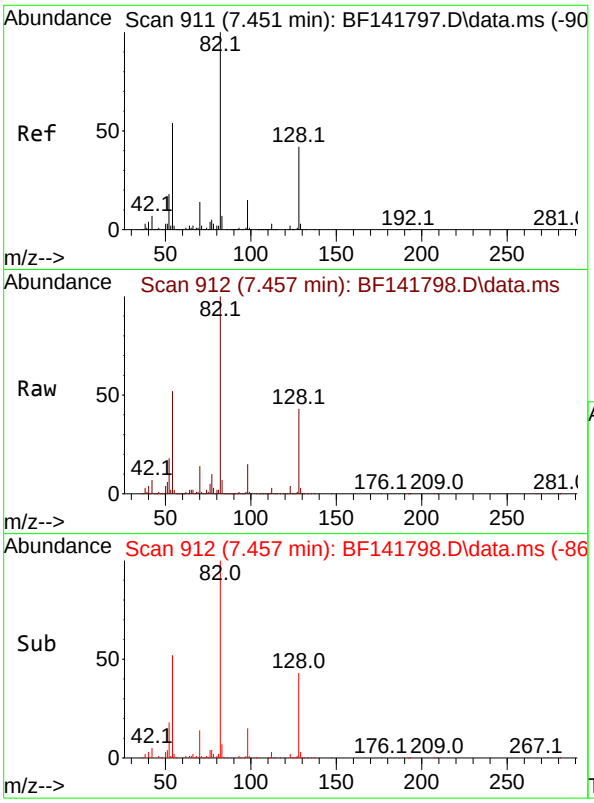


#22
Acetophenone
Concen: 46.798 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:105 Resp: 1339971

Ion	Ratio	Lower	Upper
105	100		
71	5.7	5.4	8.0
51	35.4	26.1	39.1
120	22.0	17.5	26.3



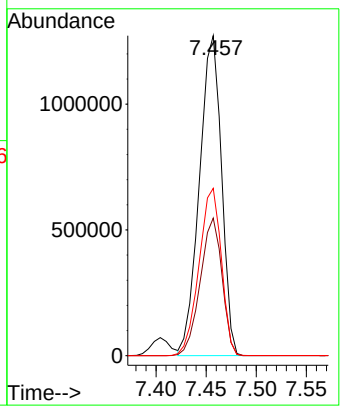


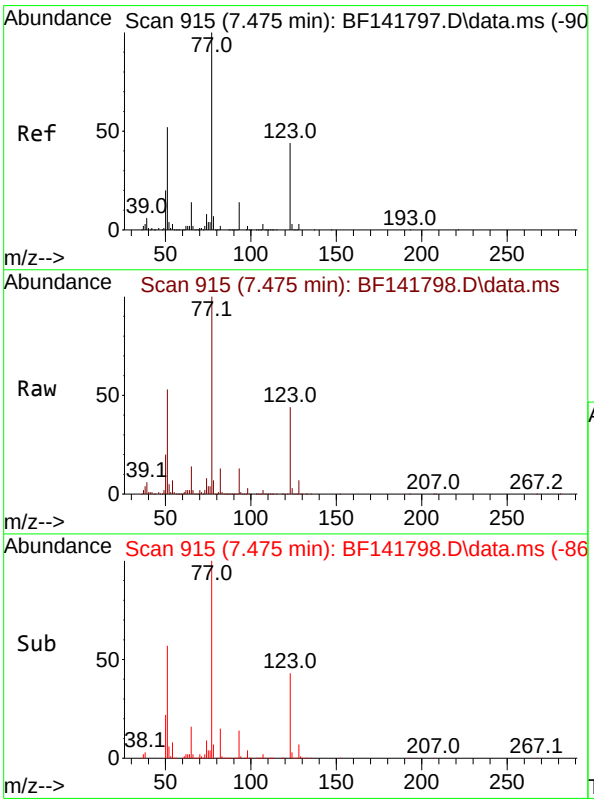
#23
Nitrobenzene-d5
Concen: 106.234 ng
RT: 7.457 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1953916

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.5	50.3
54	52.3	42.7	64.1

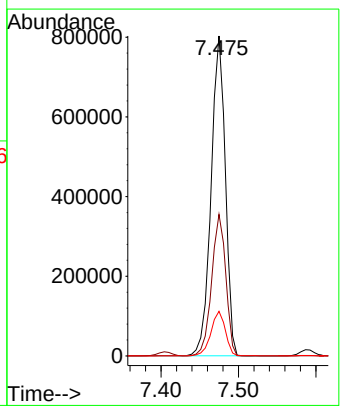


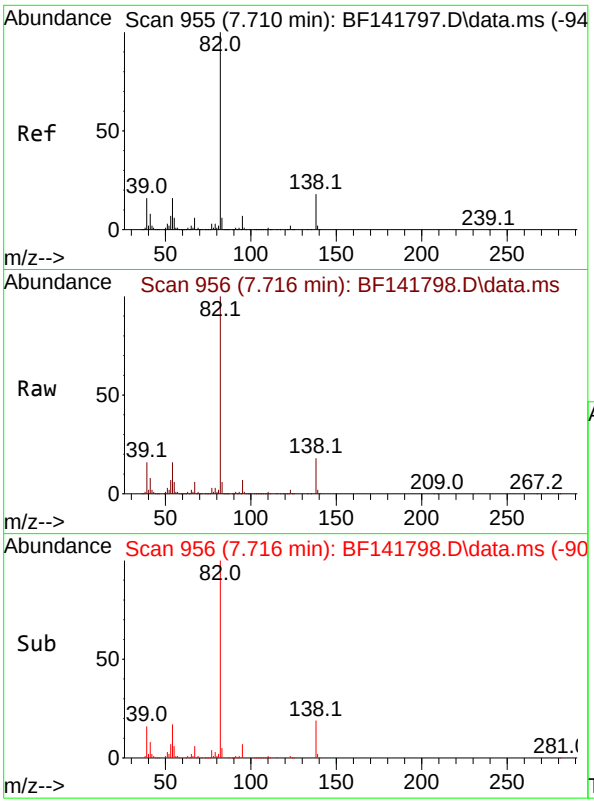


#24
Nitrobenzene
Concen: 52.073 ng
RT: 7.475 min Scan# 915
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 77 Resp: 1025625

Ion	Ratio	Lower	Upper
77	100		
123	44.2	35.8	53.8
65	14.0	11.2	16.8



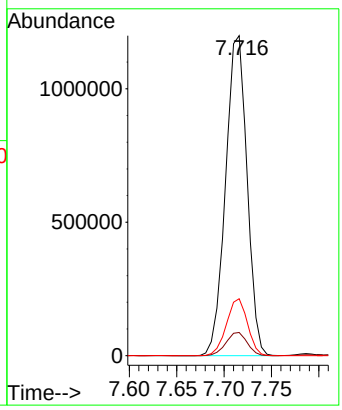


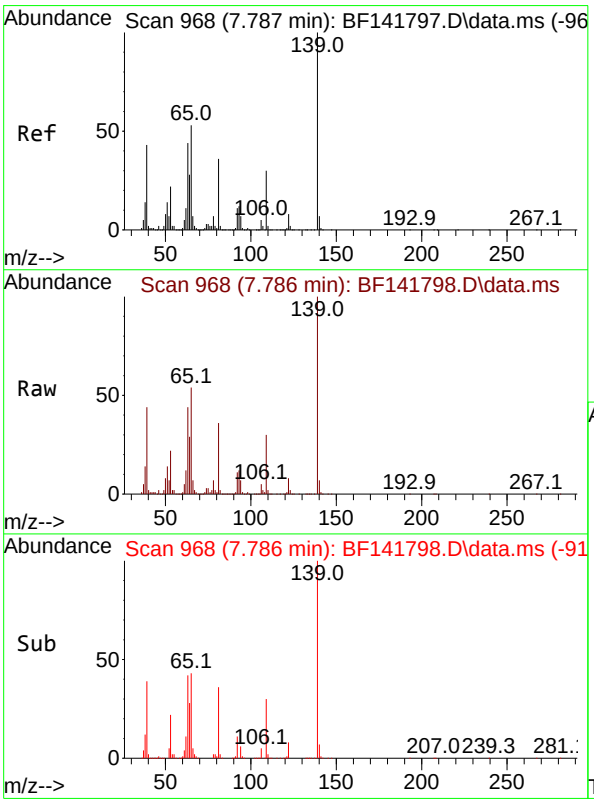
#25
Isophorone
Concen: 47.744 ng
RT: 7.716 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1886546

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	17.8	14.0	21.0

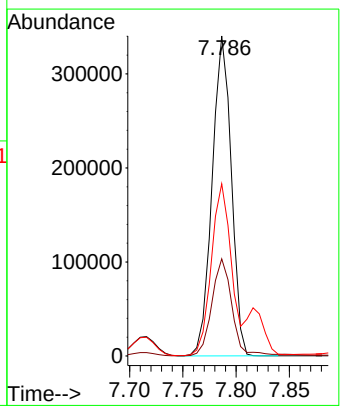


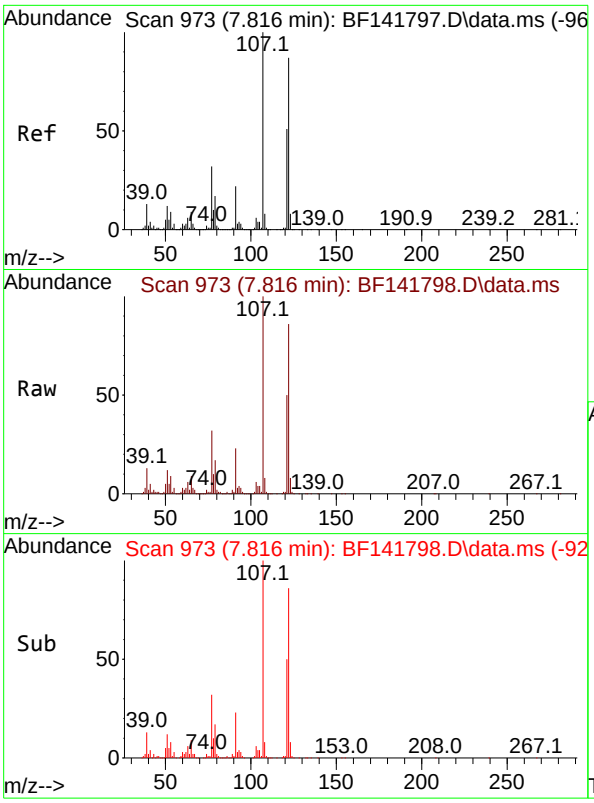


#26
2-Nitrophenol
Concen: 48.354 ng
RT: 7.786 min Scan# 968
Delta R.T. -0.001 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:139 Resp: 425765

Ion	Ratio	Lower	Upper
139	100		
109	30.4	24.1	36.1
65	53.8	42.3	63.5



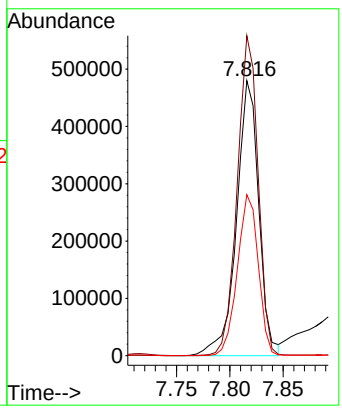


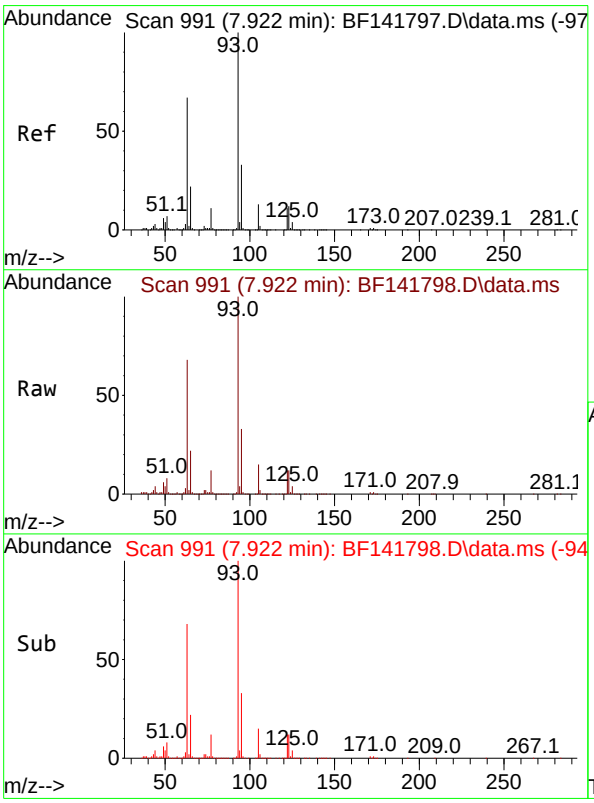
#27
2,4-Dimethylphenol
Concen: 48.082 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 698393

Ion	Ratio	Lower	Upper
122	100		
107	116.4	92.5	138.7
121	58.6	47.1	70.7

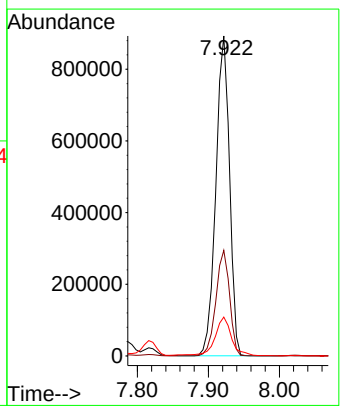


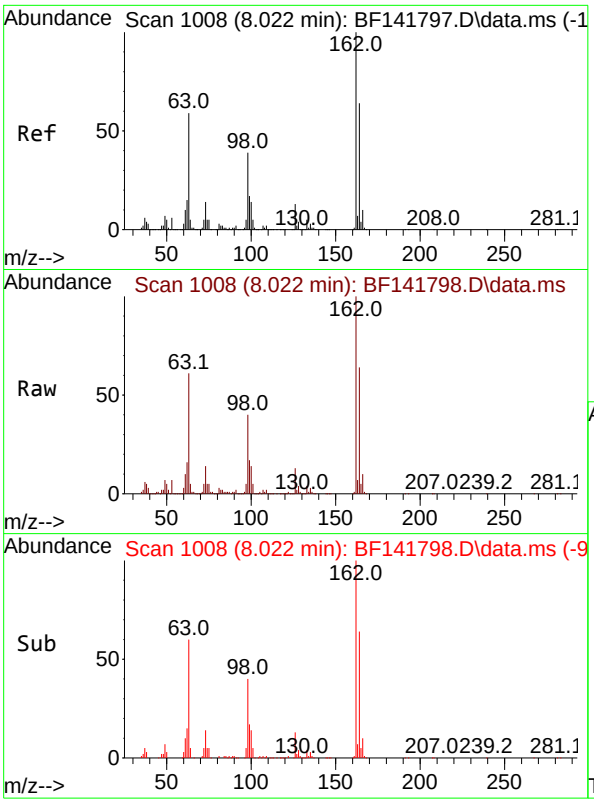


#28
bis(2-Chloroethoxy)methane
Concen: 47.060 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 93 Resp: 1186179

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.5	39.7
123	12.2	10.0	15.0



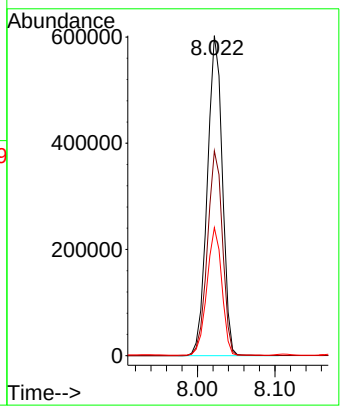


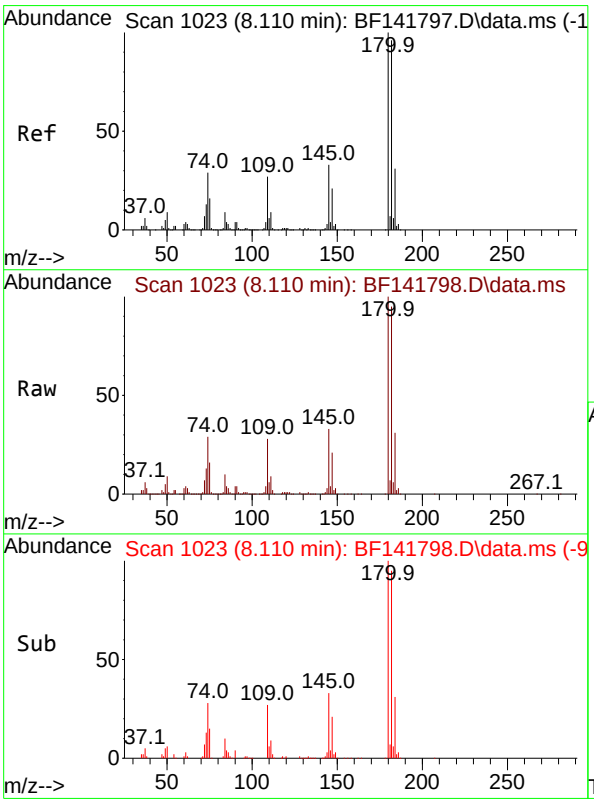
#29
2,4-Dichlorophenol
Concen: 48.527 ng
RT: 8.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 813150

Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.3	84.3
98	40.0	19.6	59.6

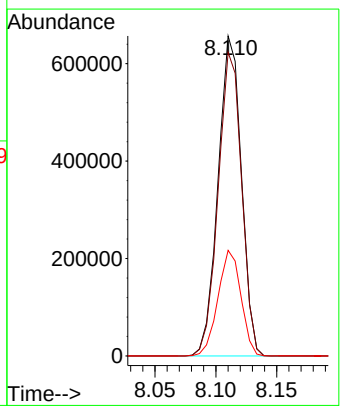


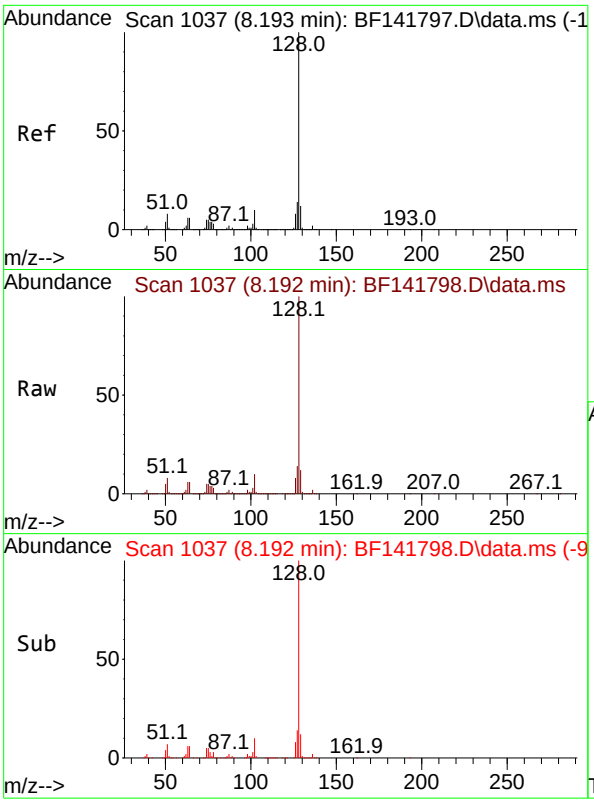


#30
1,2,4-Trichlorobenzene
Concen: 47.693 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:180 Resp: 875703

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.8	115.2
145	33.0	26.4	39.6



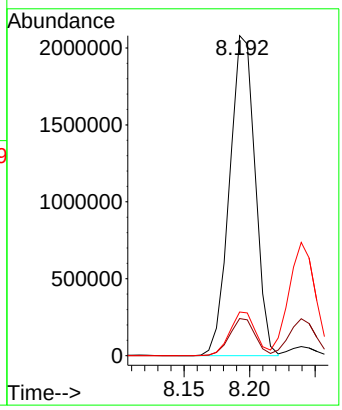


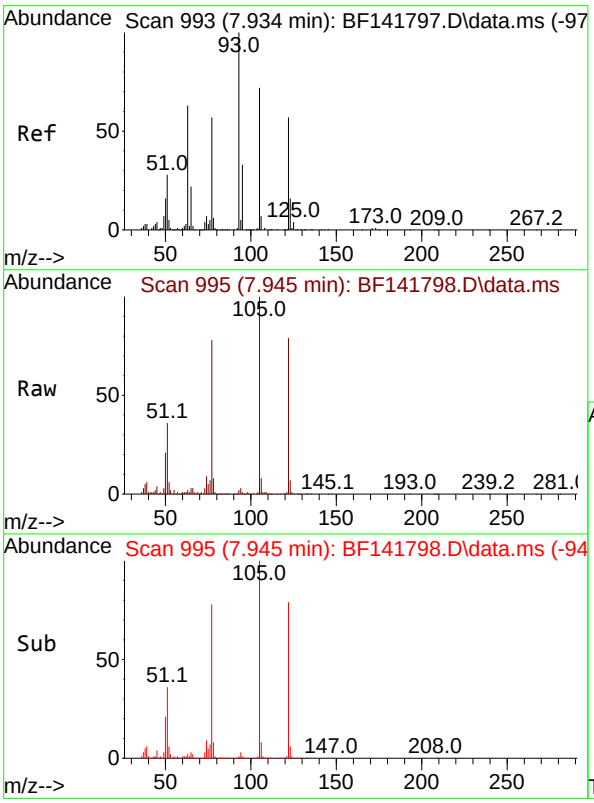
#31
Naphthalene
Concen: 46.685 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 2820879

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.7	11.0	16.4

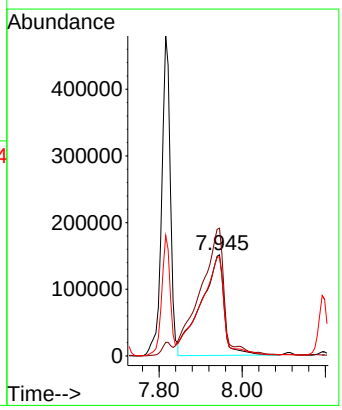


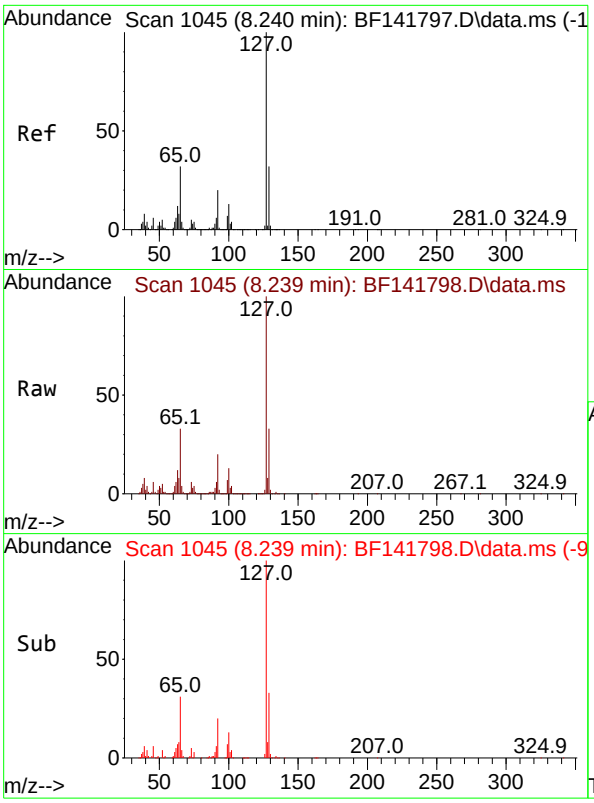


#32
Benzoic acid
Concen: 48.392 ng
RT: 7.945 min Scan# 995
Delta R.T. 0.011 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:122 Resp: 587574

Ion	Ratio	Lower	Upper
122	100		
105	126.4	105.8	145.8
77	98.1	79.9	119.9



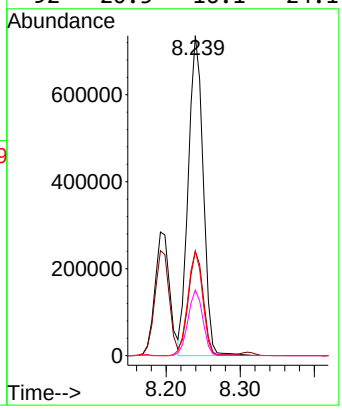


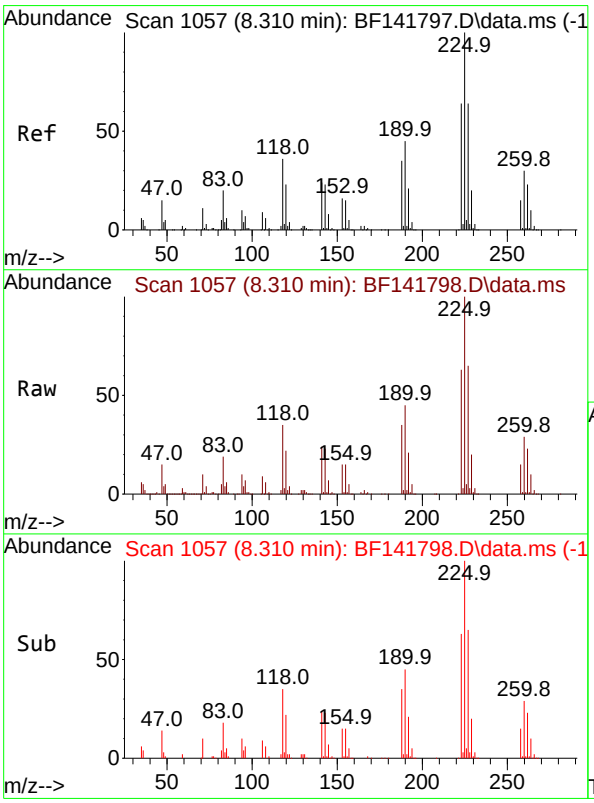
#33
4-Chloroaniline
Concen: 46.432 ng
RT: 8.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1028715

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	32.7	25.7	38.5
92	20.5	16.1	24.1

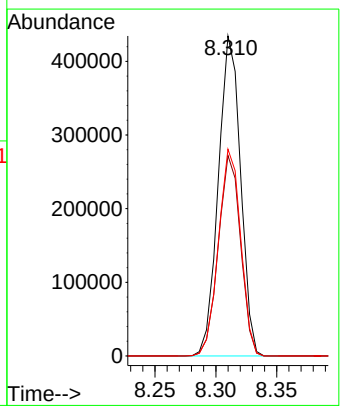


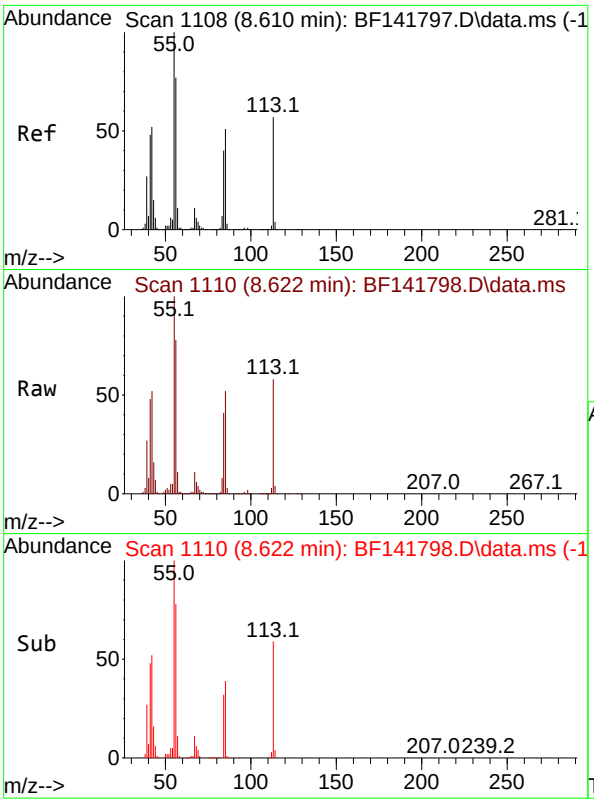


#34
Hexachlorobutadiene
Concen: 48.351 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:225 Resp: 551683

Ion	Ratio	Lower	Upper
225	100		
223	62.7	51.4	77.2
227	64.6	51.6	77.4



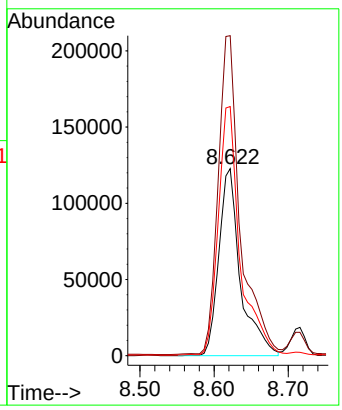


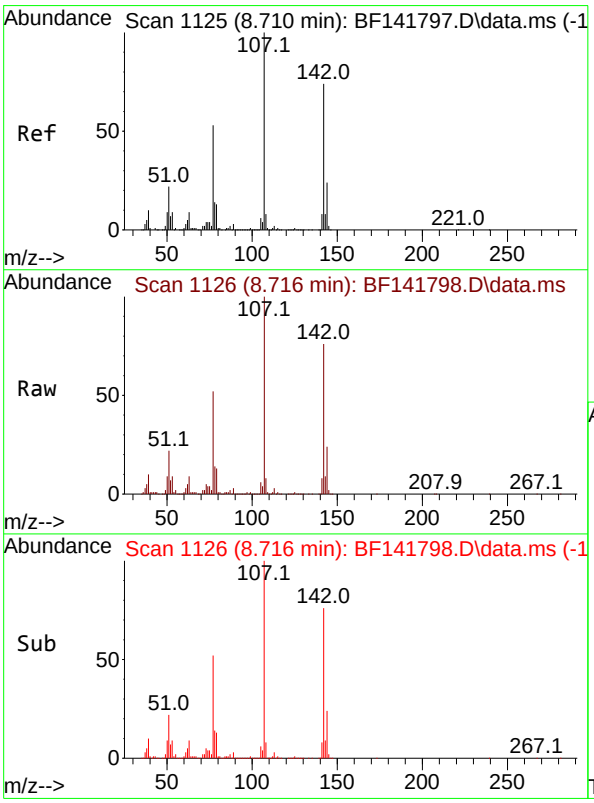
#35
Caprolactam
Concen: 48.241 ng
RT: 8.622 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 248725

Ion	Ratio	Lower	Upper
113	100		
55	171.1	155.6	195.6
56	133.2	114.6	154.6

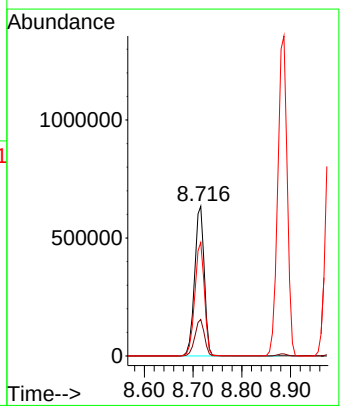


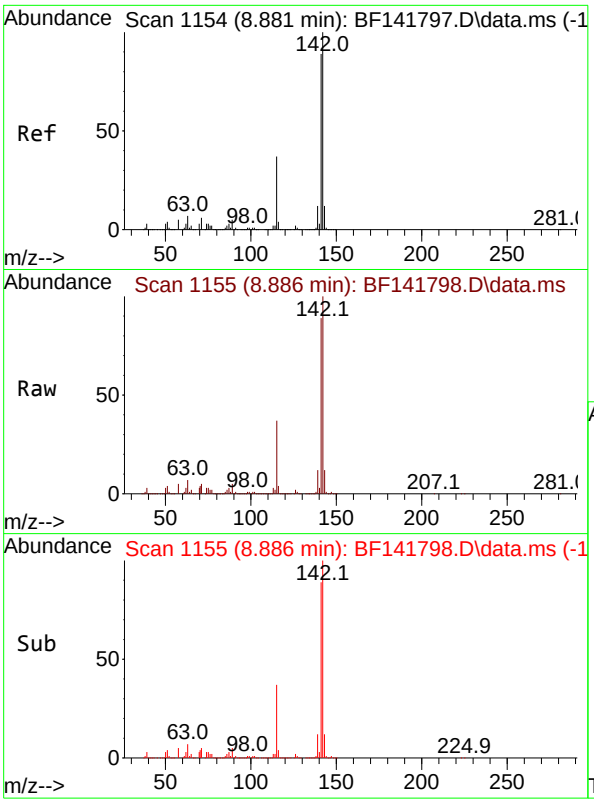


#36
4-Chloro-3-methylphenol
Concen: 47.314 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:107 Resp: 880725

Ion	Ratio	Lower	Upper
107	100		
144	24.4	19.4	29.0
142	75.8	59.4	89.0



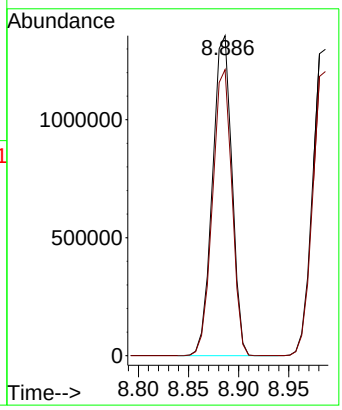


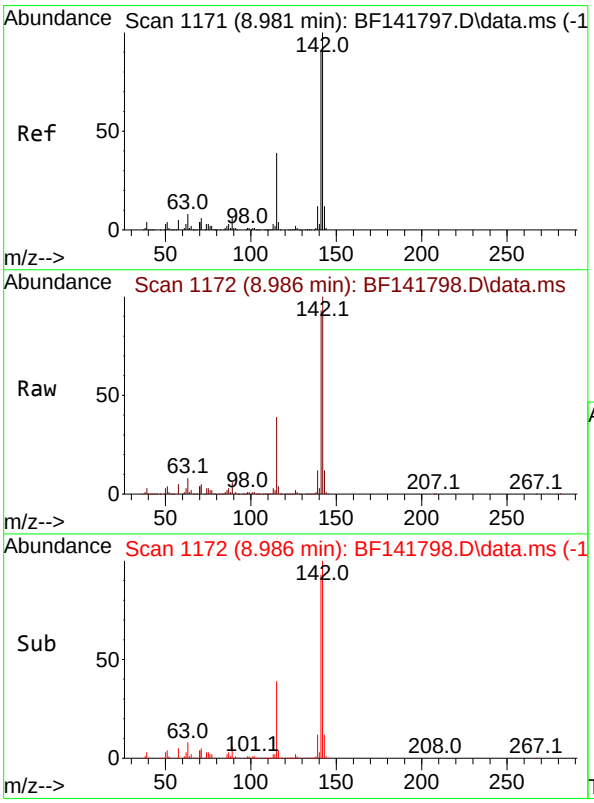
#37
2-Methylnaphthalene
Concen: 46.064 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1825639

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.1	106.7

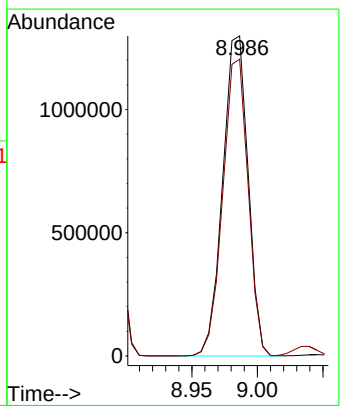


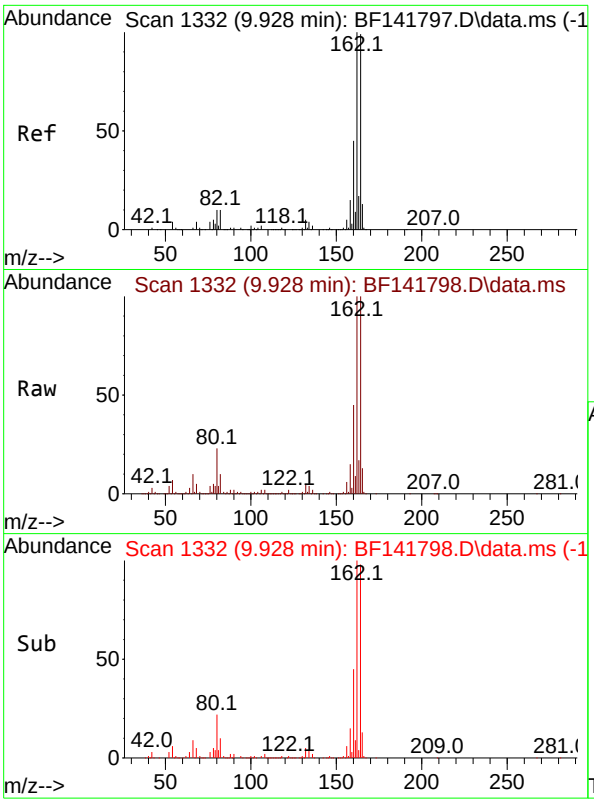


#38
1-Methylnaphthalene
Concen: 45.899 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:142 Resp: 1745465

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.1	109.7



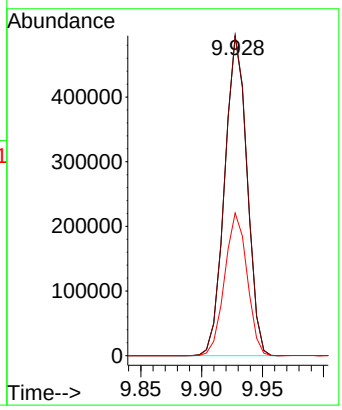


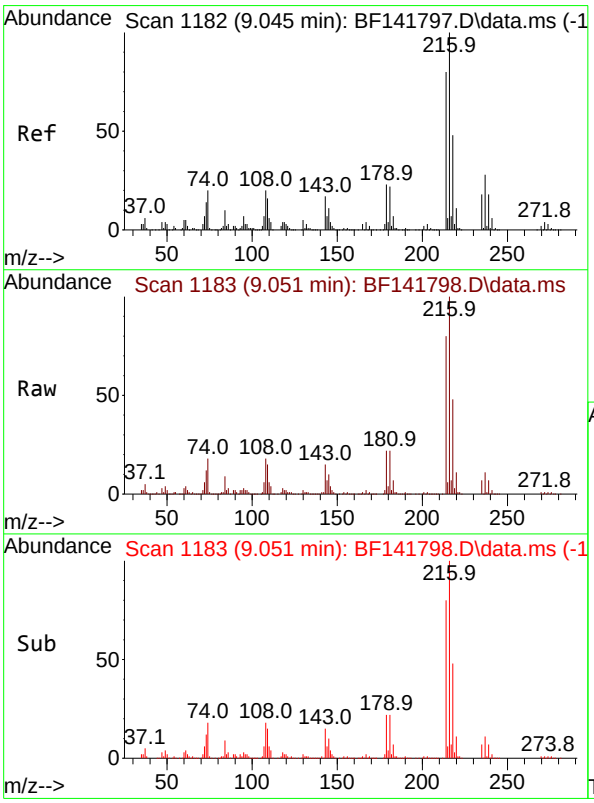
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 632437

Ion	Ratio	Lower	Upper
164	100		
162	100.1	80.6	120.8
160	44.7	36.3	54.5

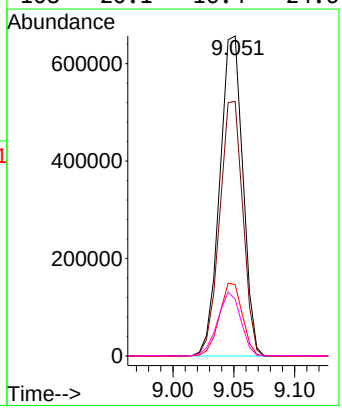


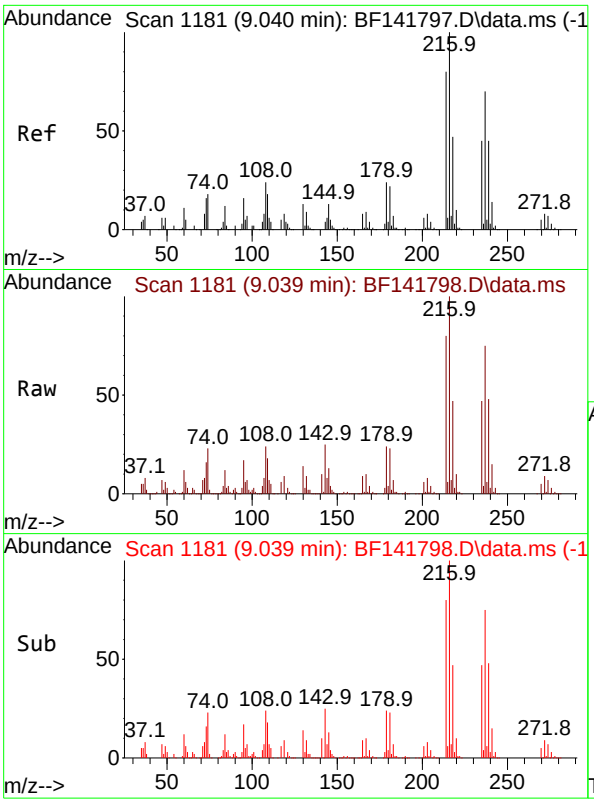


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.555 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:216 Resp: 868619

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.5	95.3
179	22.6	18.1	27.1
108	20.1	16.4	24.6



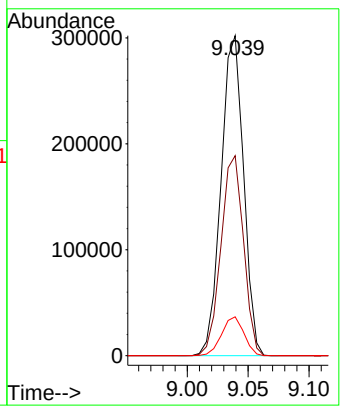


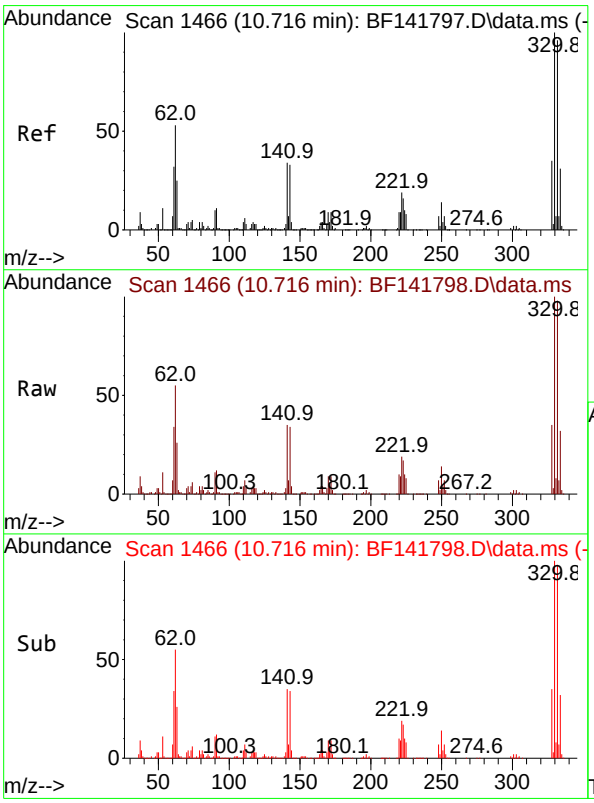
#41
Hexachlorocyclopentadiene
Concen: 50.930 ng
RT: 9.039 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 388222

Ion	Ratio	Lower	Upper
237	100		
235	62.5	43.3	83.3
272	12.2	0.0	31.9

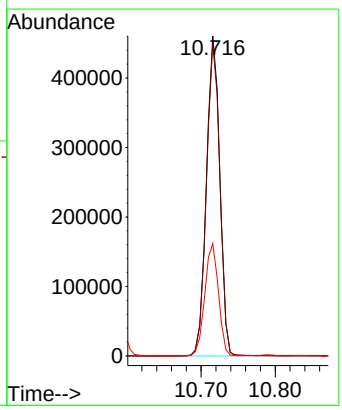


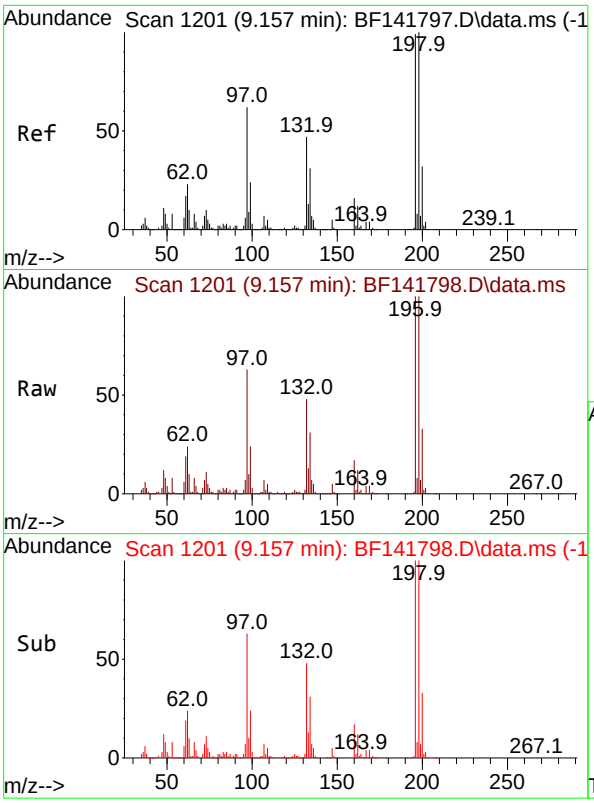


#42
2,4,6-Tribromophenol
Concen: 97.701 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:330 Resp: 580093

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.6	115.0
141	35.8	29.0	43.4



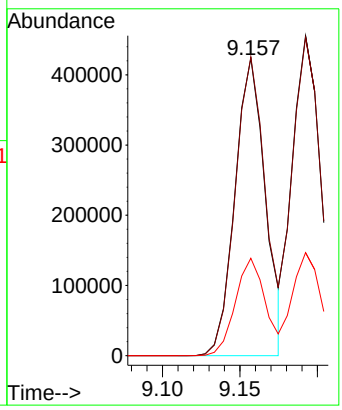


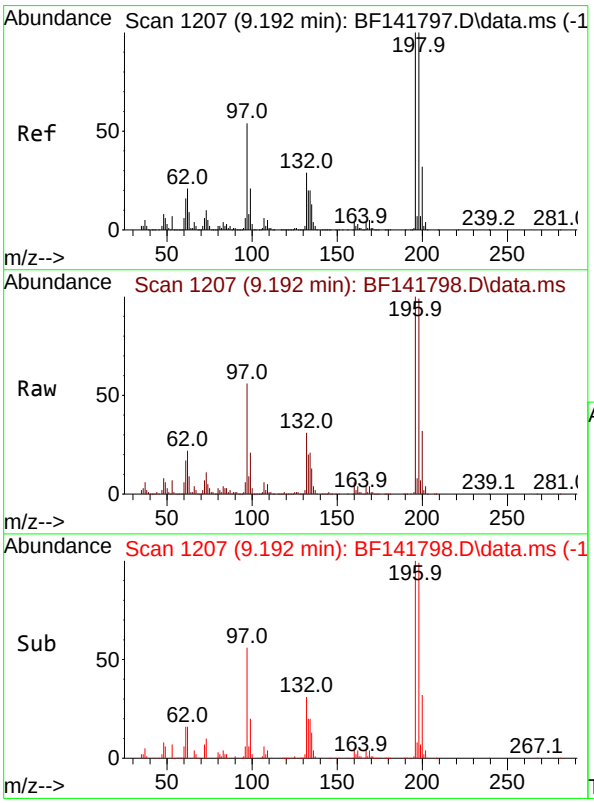
#43
2,4,6-Trichlorophenol
Concen: 49.010 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 578263

Ion	Ratio	Lower	Upper
196	100		
198	100.5	80.4	120.6
200	32.7	25.7	38.5

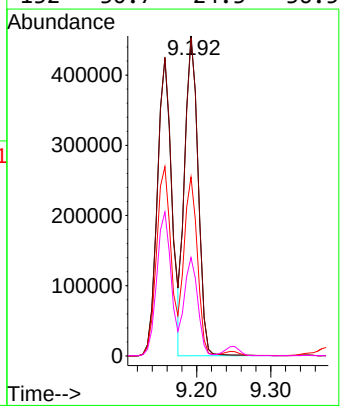


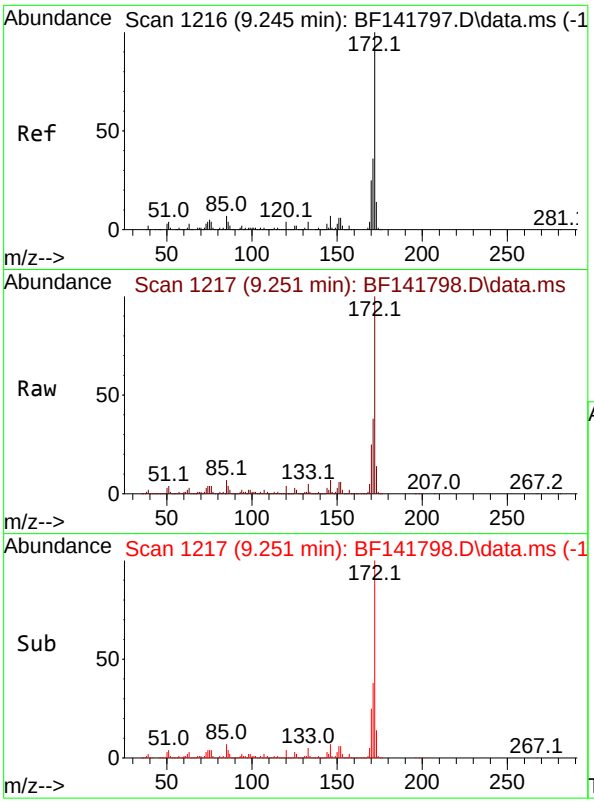


#44
2,4,5-Trichlorophenol
Concen: 49.213 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:196 Resp: 574978

Ion	Ratio	Lower	Upper
196	100		
198	99.5	79.7	119.5
97	55.9	44.2	66.2
132	30.7	24.3	36.5



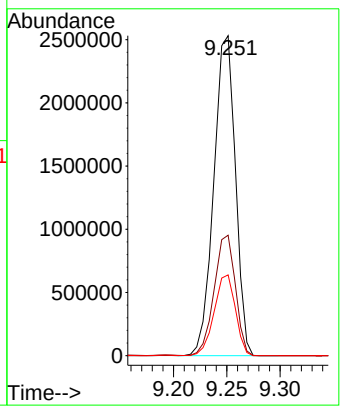


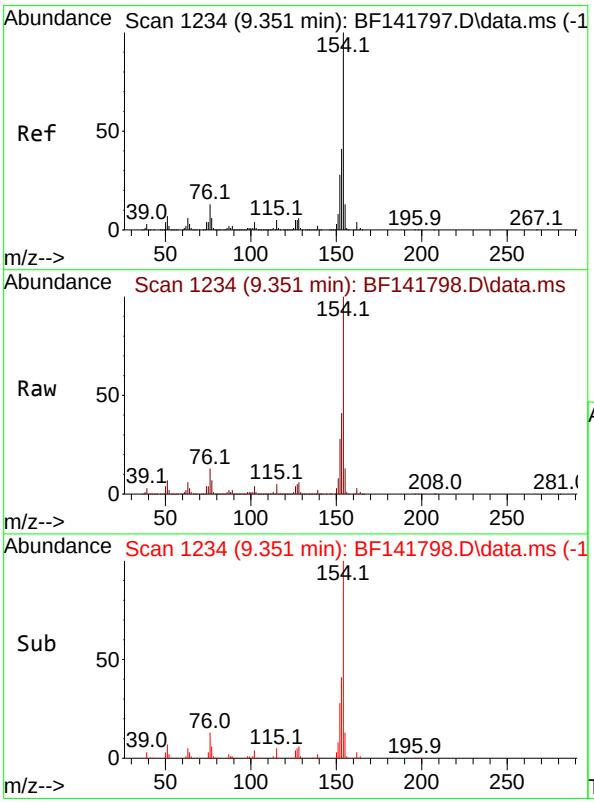
#45
2-Fluorobiphenyl
Concen: 90.435 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 3566962

Ion	Ratio	Lower	Upper
172	100		
171	37.6	29.2	43.8
170	25.2	19.7	29.5

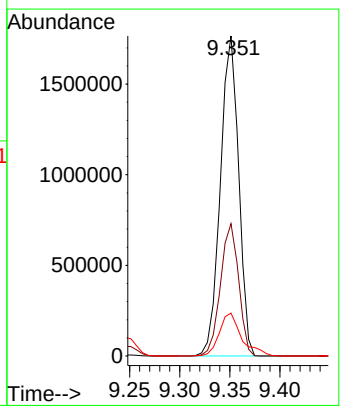


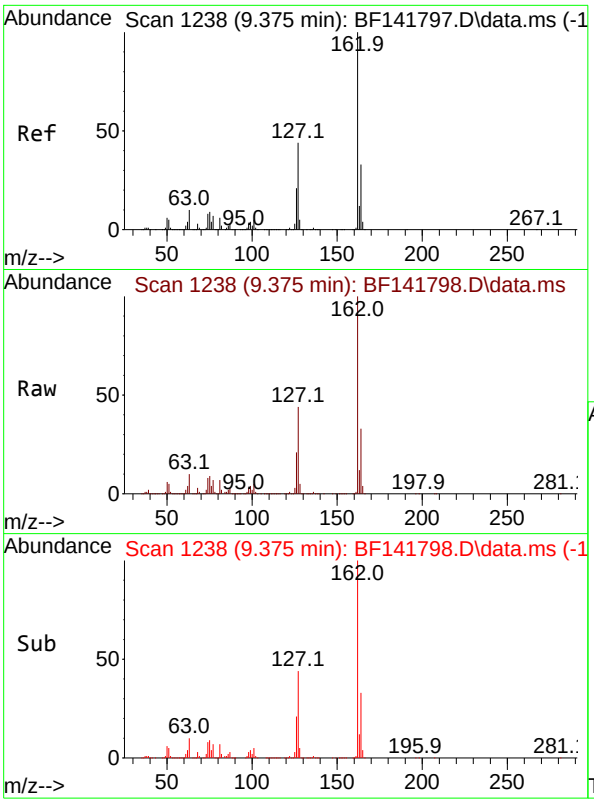


#46
1,1'-Biphenyl
Concen: 46.420 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:154 Resp: 2234592

Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.4	61.4
76	13.4	0.0	33.4



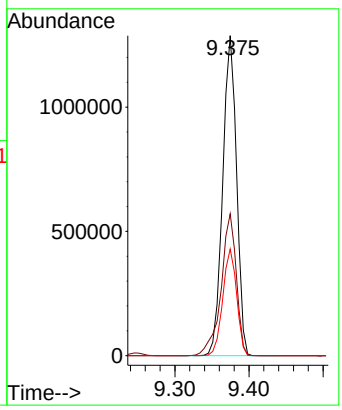


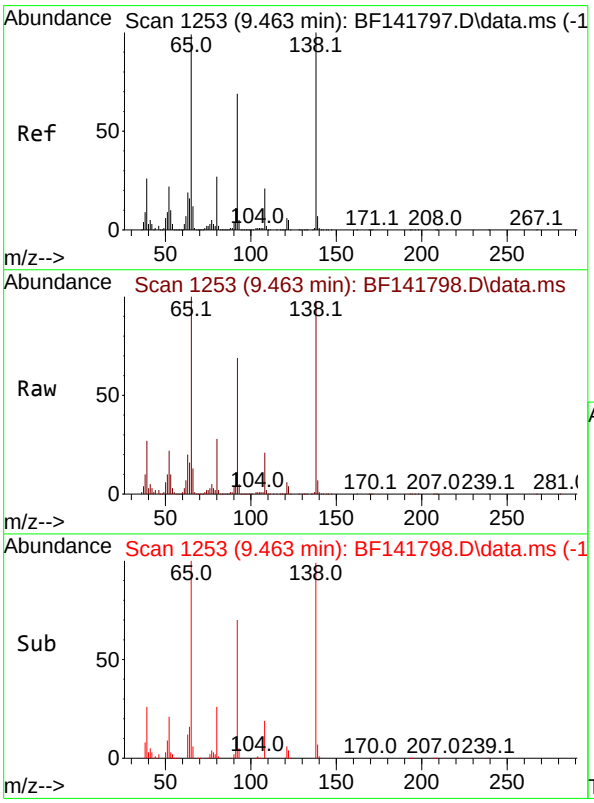
#47
2-Chloronaphthalene
Concen: 47.075 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1672555

Ion	Ratio	Lower	Upper
162	100		
127	44.4	35.0	52.6
164	33.4	26.6	40.0

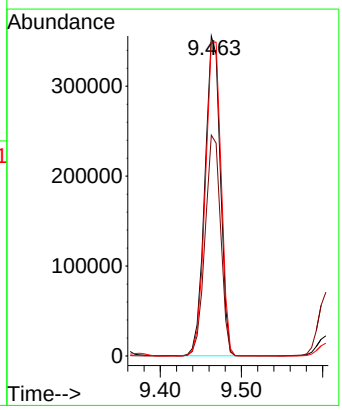


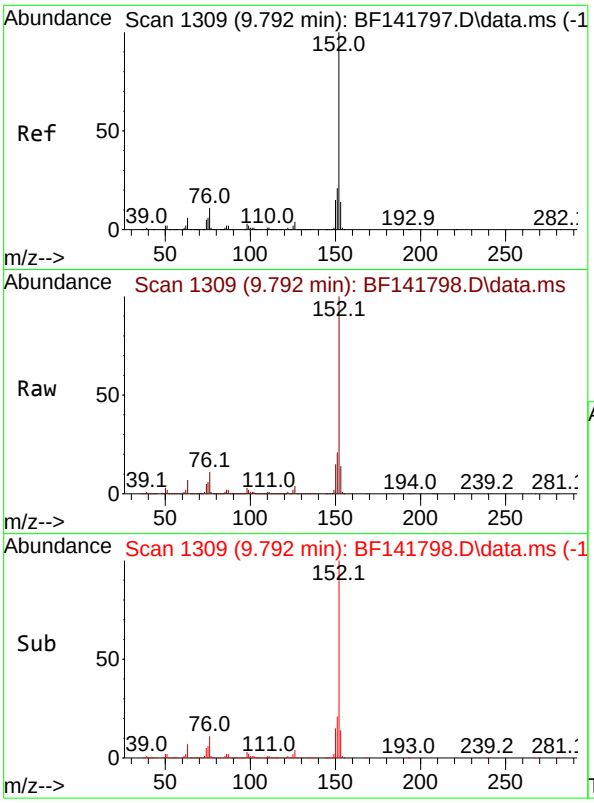


#48
2-Nitroaniline
Concen: 48.211 ng
RT: 9.463 min Scan# 1253
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion: 65 Resp: 469075

Ion	Ratio	Lower	Upper
65	100		
92	69.0	55.7	83.5
138	98.1	80.6	121.0



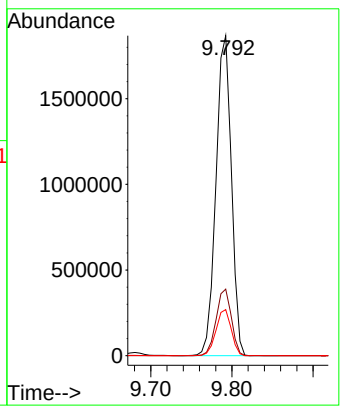


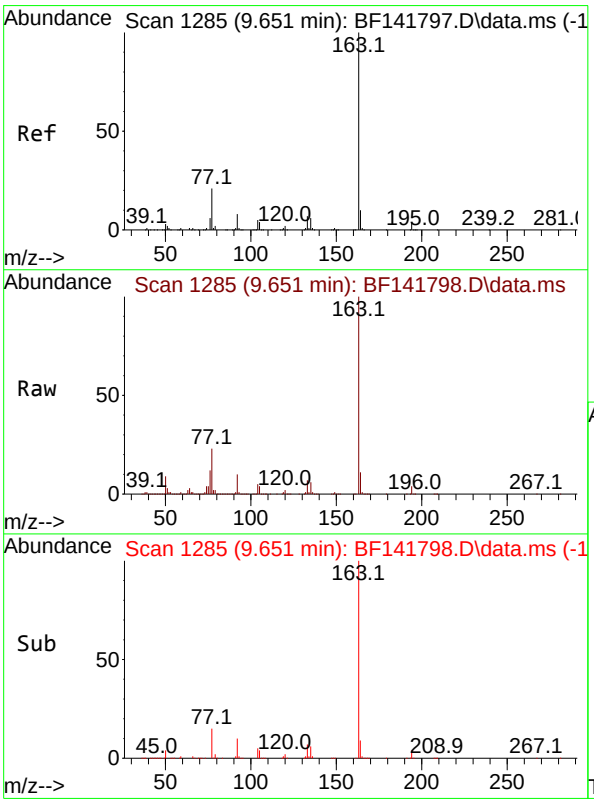
#49
Acenaphthylene
Concen: 46.294 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 2466104

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	24.8
153	14.4	11.2	16.8

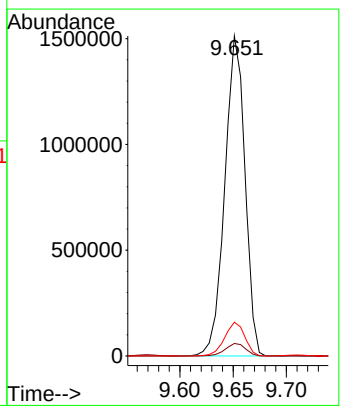


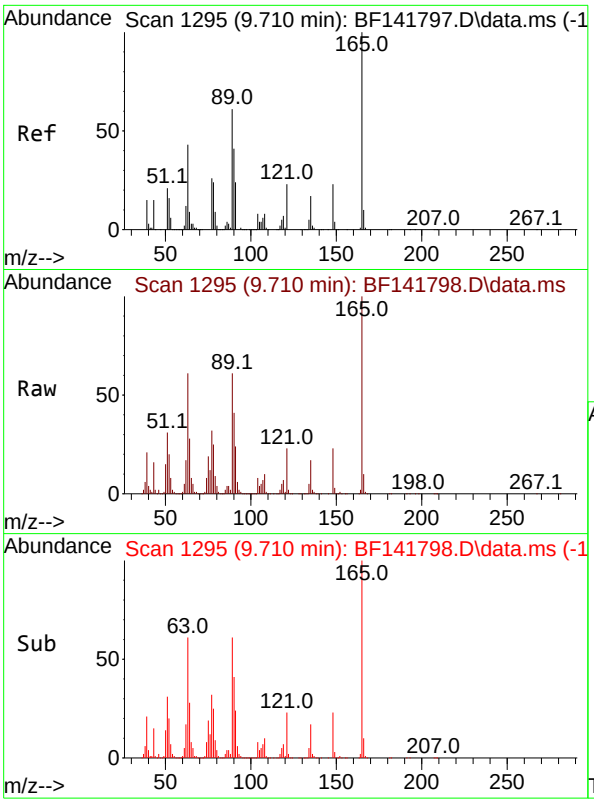


#50
Dimethylphthalate
Concen: 47.103 ng
RT: 9.651 min Scan# 1285
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:163 Resp: 1994958

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.5	8.4	12.6



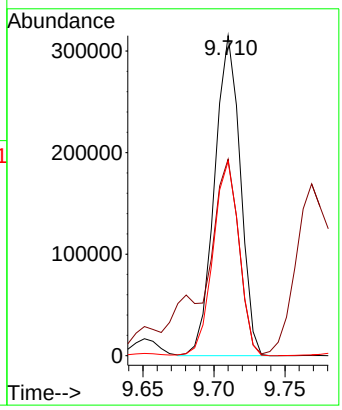


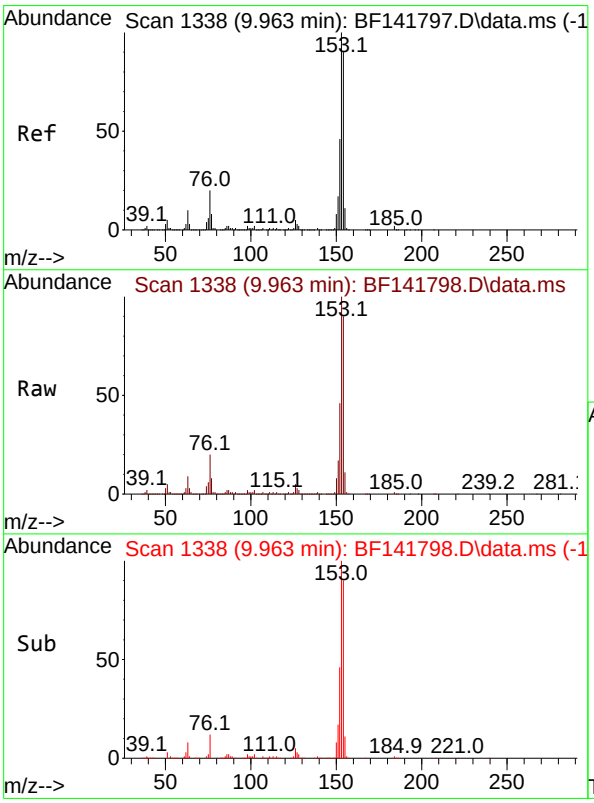
#51
2,6-Dinitrotoluene
Concen: 48.926 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 396873

Ion	Ratio	Lower	Upper
165	100		
63	61.4	49.5	74.3
89	60.8	49.0	73.4

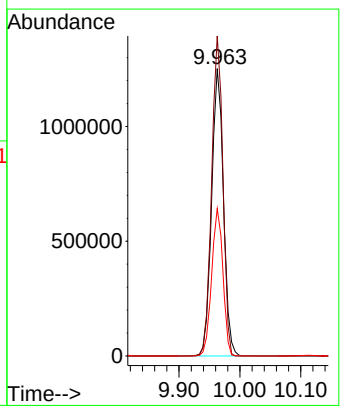


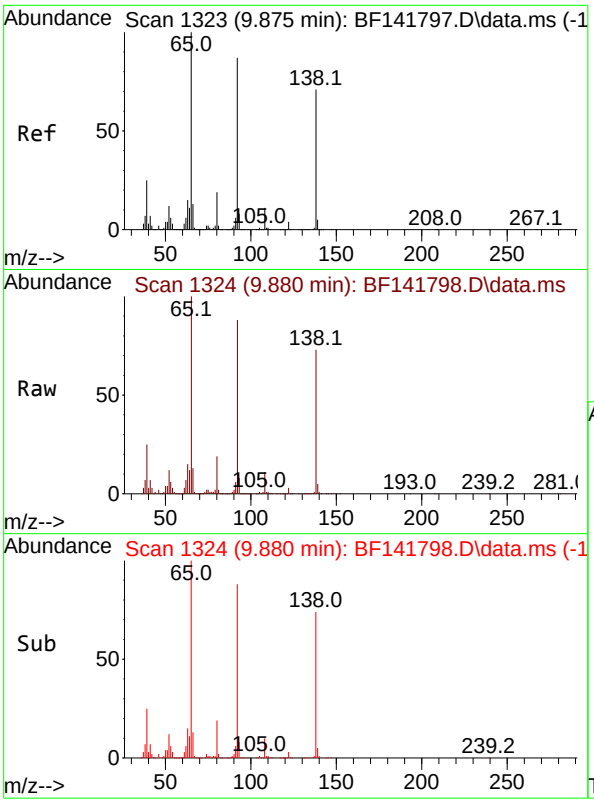


#52
Acenaphthene
Concen: 46.994 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:154 Resp: 1689163

Ion	Ratio	Lower	Upper
154	100		
153	111.4	88.7	133.1
152	51.3	40.9	61.3



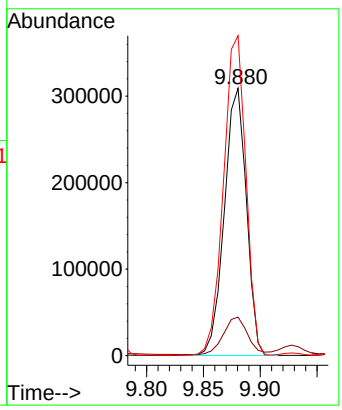


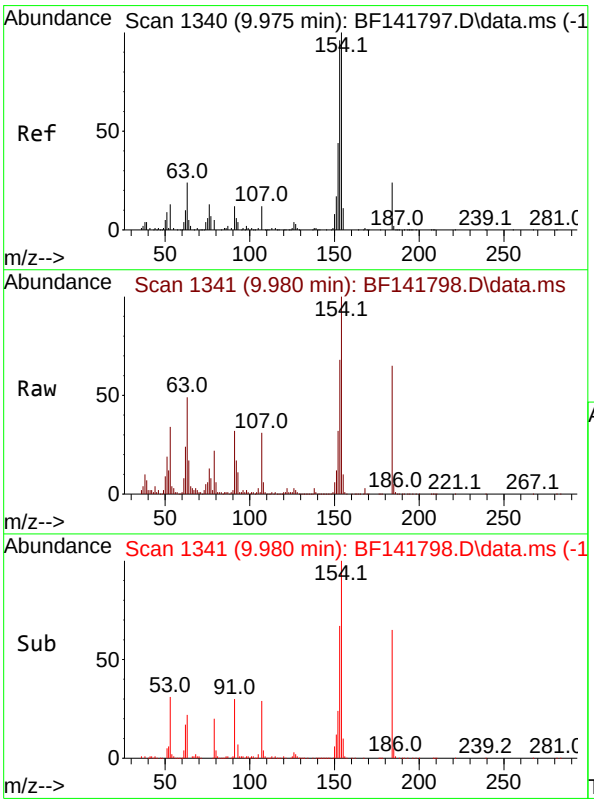
#53
3-Nitroaniline
Concen: 48.300 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 417015

Ion	Ratio	Lower	Upper
138	100		
108	14.5	12.7	19.1
92	119.7	97.9	146.9

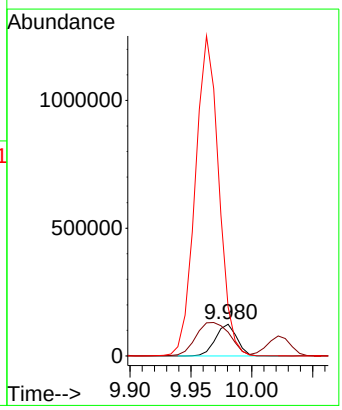


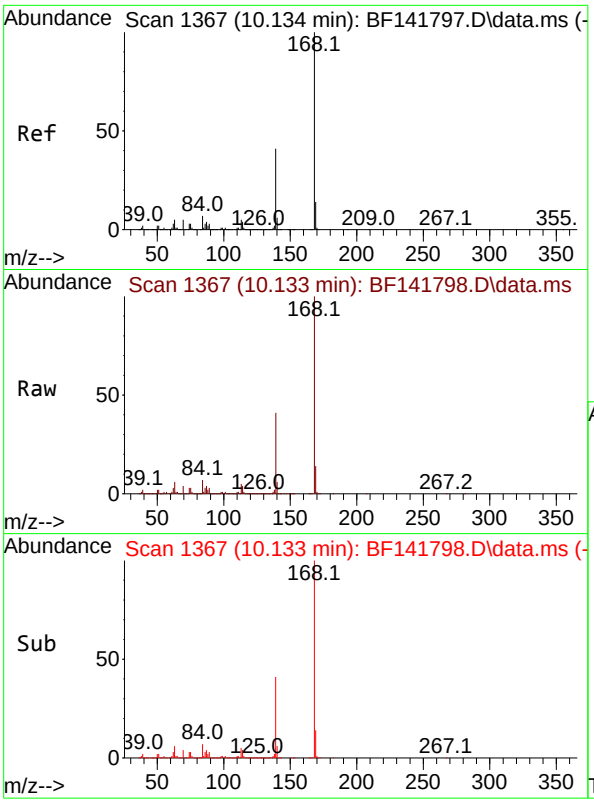


#54
2,4-Dinitrophenol
Concen: 48.388 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.005 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:184 Resp: 151706

Ion	Ratio	Lower	Upper
184	100		
63	75.3	79.0	118.6#
154	154.1	335.8	503.8#



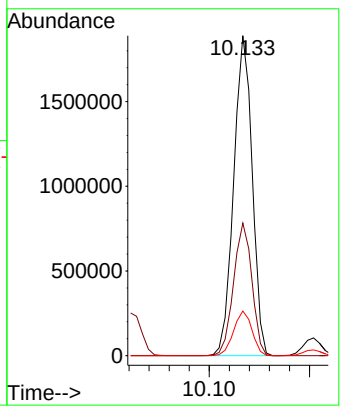


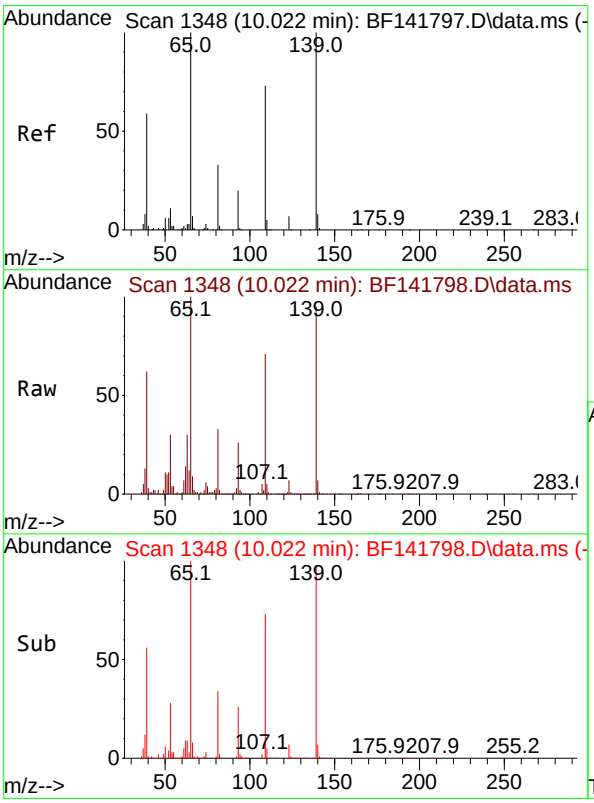
#55
Dibenzofuran
Concen: 46.312 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 2422882

Ion	Ratio	Lower	Upper
168	100		
139	41.4	32.9	49.3
169	14.0	11.1	16.7

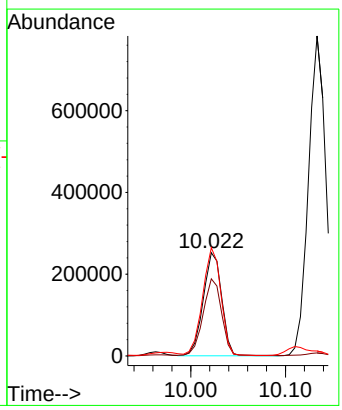


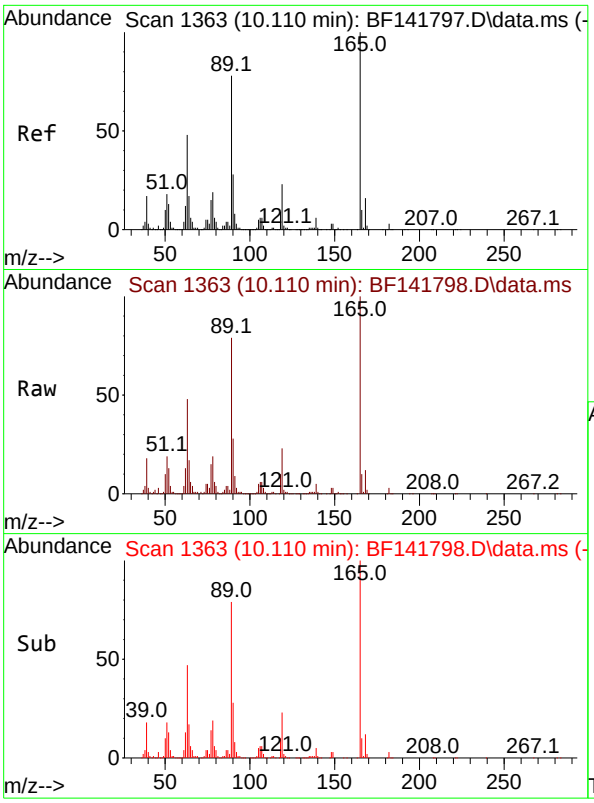


#56
4-Nitrophenol
Concen: 54.357 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:139 Resp: 340020

Ion	Ratio	Lower	Upper
139	100		
109	74.7	53.4	93.4
65	104.9	82.1	122.1



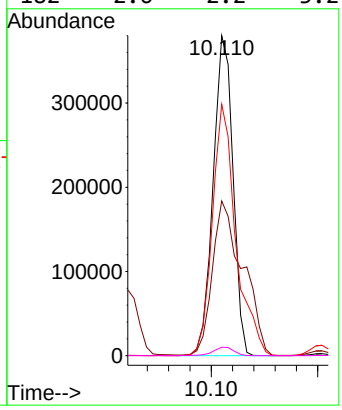


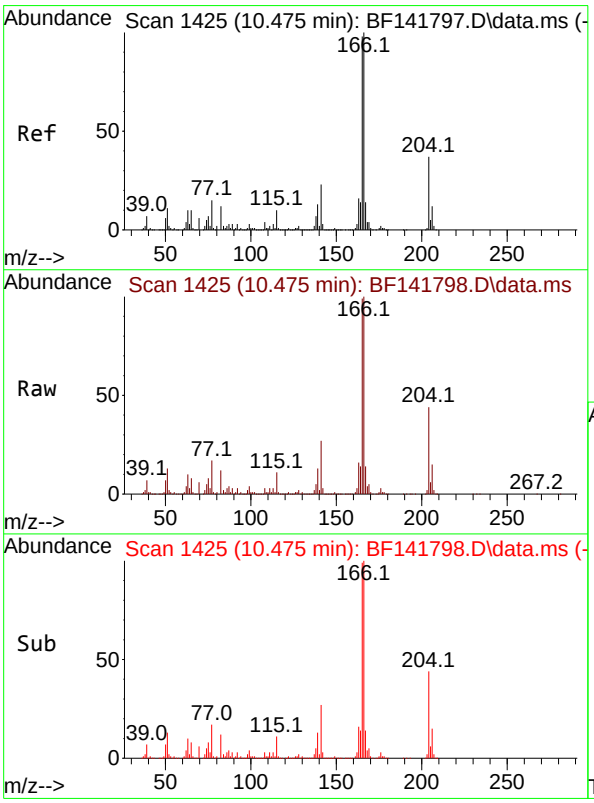
#57
2,4-Dinitrotoluene
Concen: 49.405 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 490028

Ion	Ratio	Lower	Upper
165	100		
63	48.4	38.8	58.2
89	78.6	62.6	94.0
182	2.6	2.2	3.2

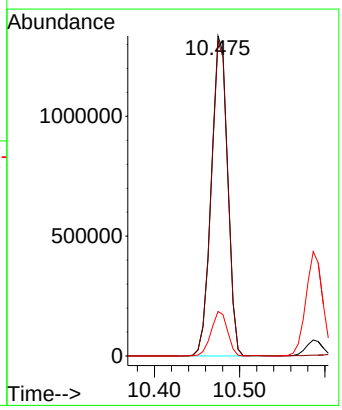


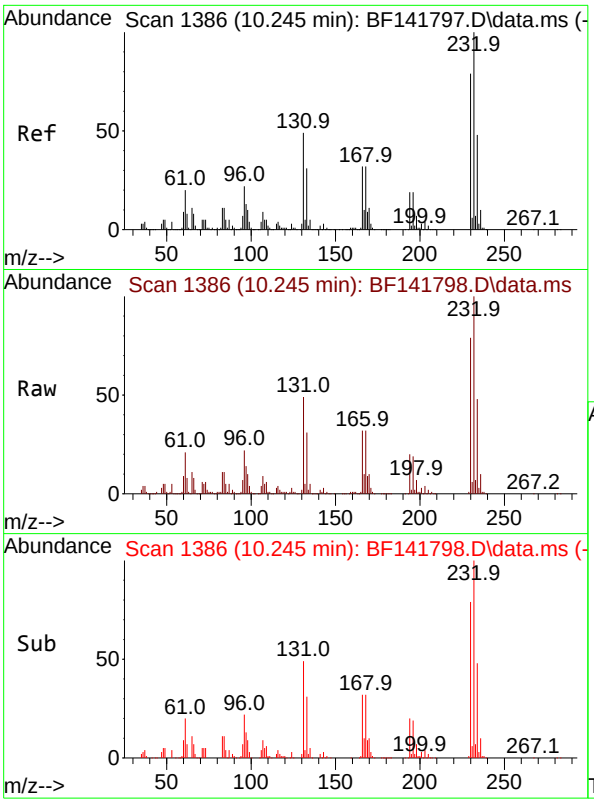


#58
Fluorene
Concen: 45.518 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:166 Resp: 1783757

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.6	117.8
167	13.9	11.0	16.4



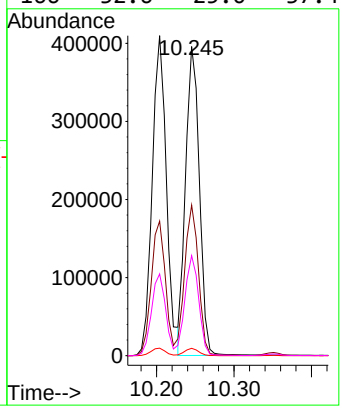


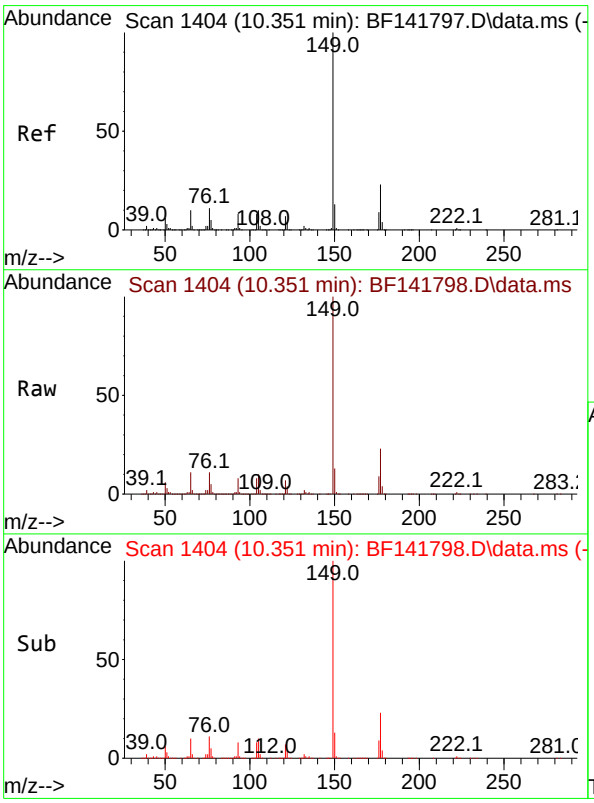
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.140 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 489160

Ion	Ratio	Lower	Upper
232	100		
131	49.4	37.8	56.8
130	2.4	2.0	3.0
166	32.6	25.0	37.4

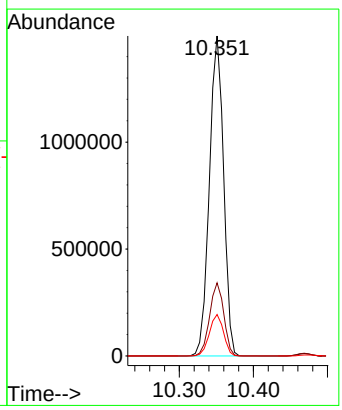


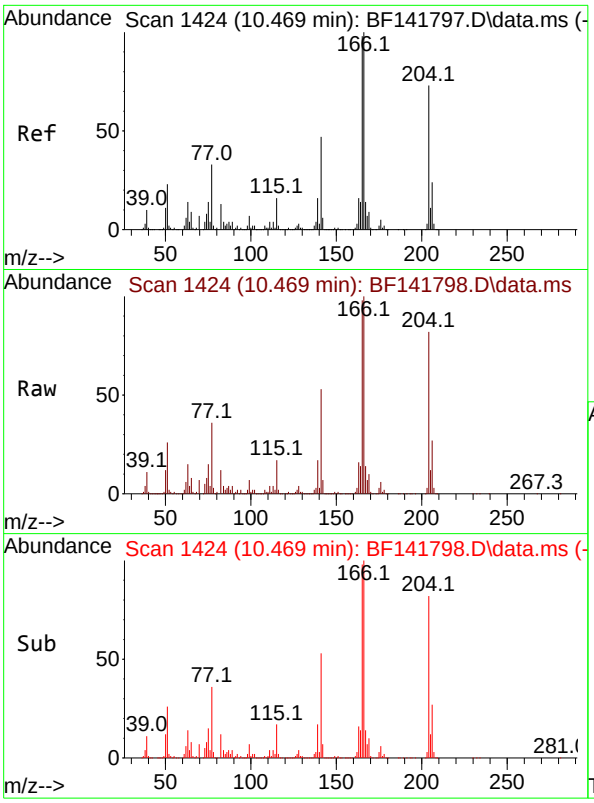


#60
Diethylphthalate
Concen: 46.896 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:149 Resp: 1991111

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	12.9	10.3	15.5



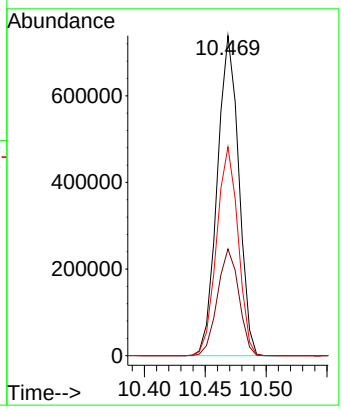


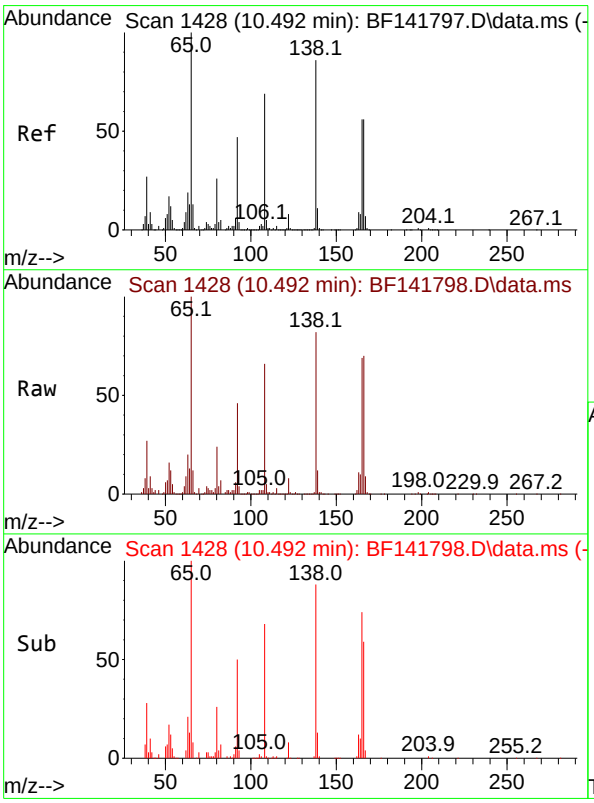
#61
4-Chlorophenyl-phenylether
Concen: 46.084 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 904835

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.2	39.4
141	65.3	51.7	77.5

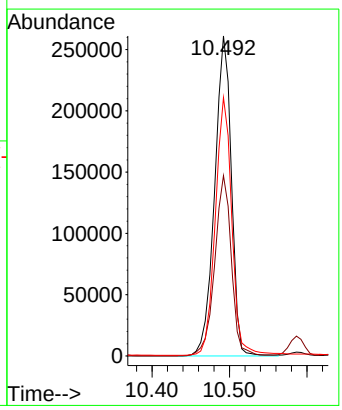


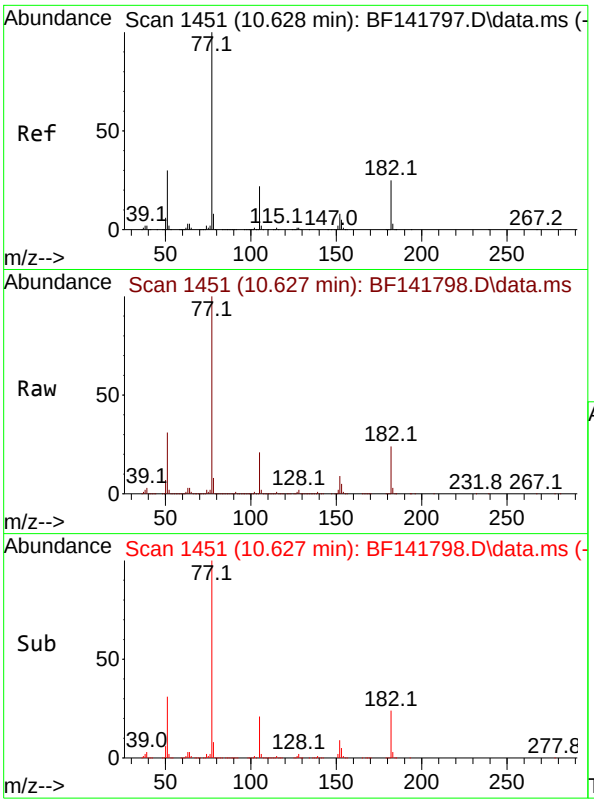


#62
4-Nitroaniline
Concen: 54.114 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:138 Resp: 391399

Ion	Ratio	Lower	Upper
138	100		
92	56.4	34.9	74.9
108	80.7	59.6	99.6



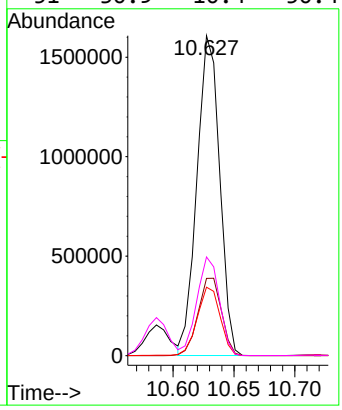


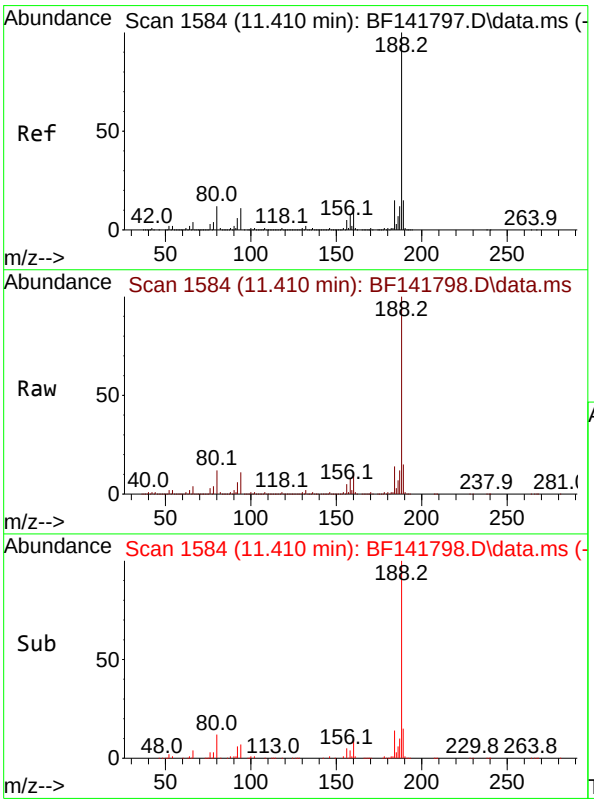
#63
Azobenzene
Concen: 46.687 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2087153

Ion	Ratio	Lower	Upper
77	100		
182	24.2	4.2	44.2
105	21.4	1.5	41.5
51	30.9	10.4	50.4

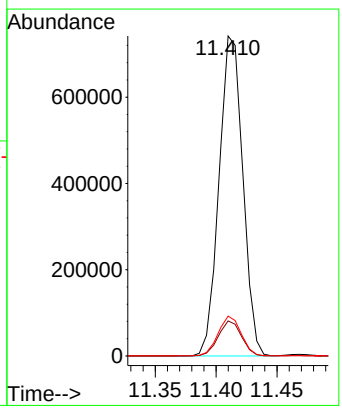


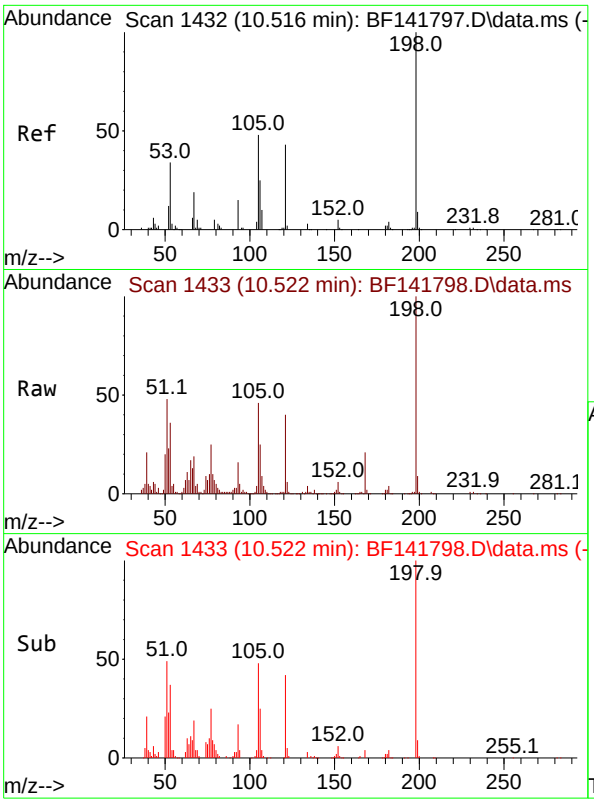


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:188 Resp: 1007266

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.9	13.3
80	12.5	9.7	14.5



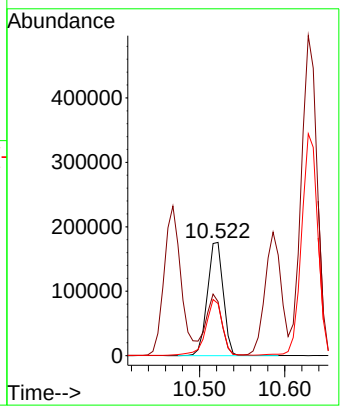


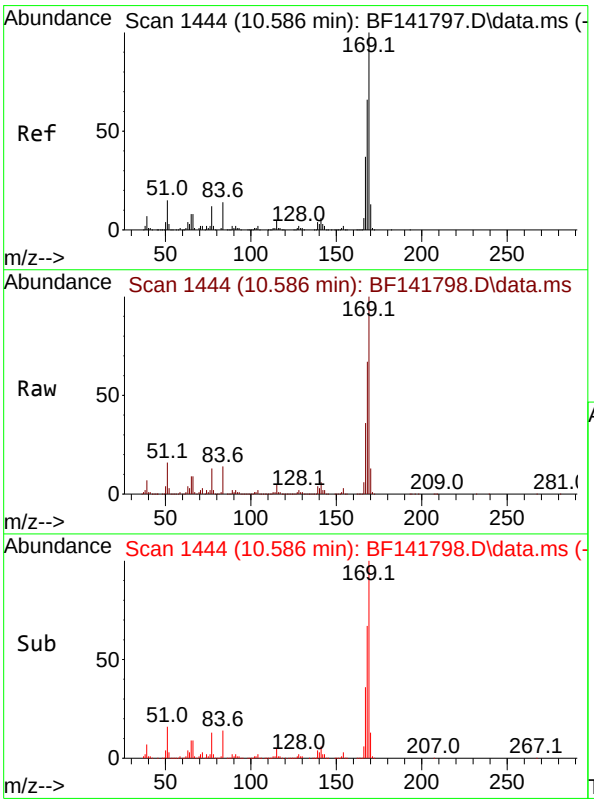
#65
4,6-Dinitro-2-methylphenol
Concen: 47.968 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 227493

Ion	Ratio	Lower	Upper
198	100		
51	47.7	32.1	72.1
105	46.1	28.5	68.5

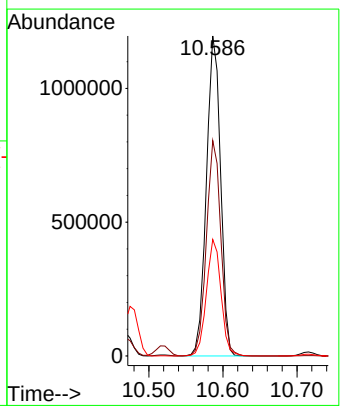


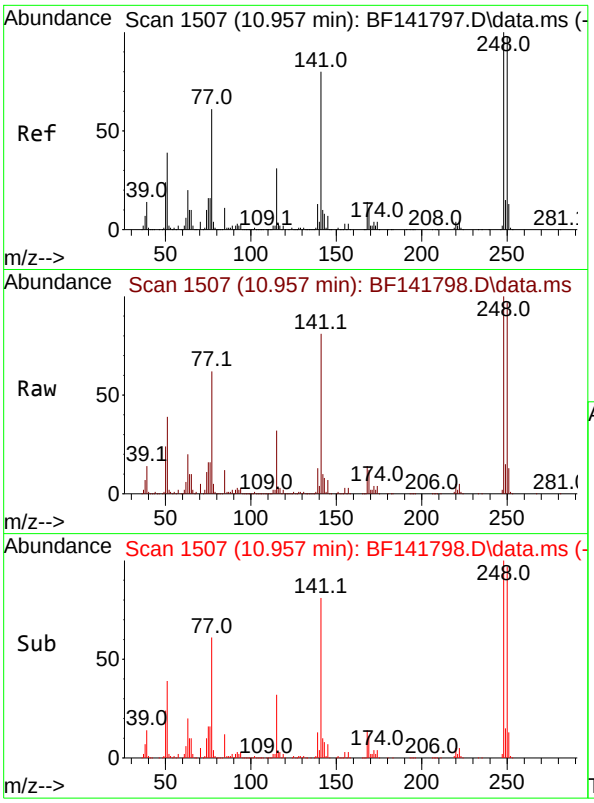


#66
n-Nitrosodiphenylamine
Concen: 48.041 ng
RT: 10.586 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:169 Resp: 1588976

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.0	79.6
167	36.4	29.3	43.9



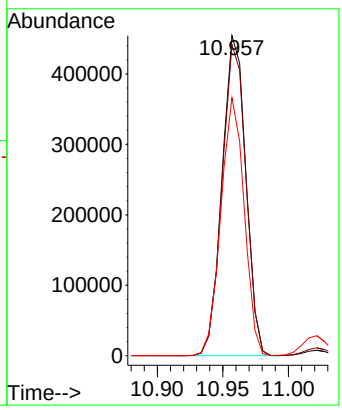


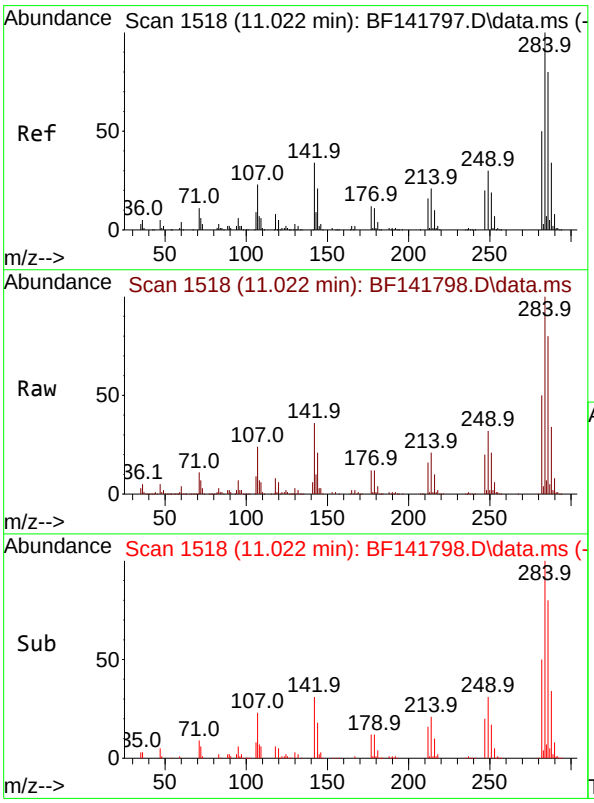
#67
4-Bromophenyl-phenylether
Concen: 48.631 ng
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 572161

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.1	117.1
141	80.6	64.3	96.5

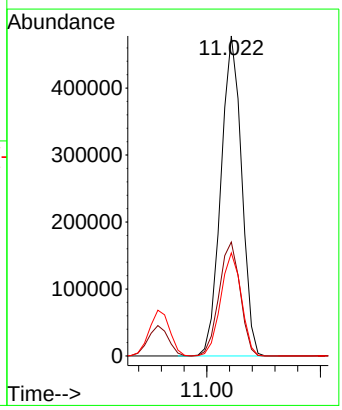


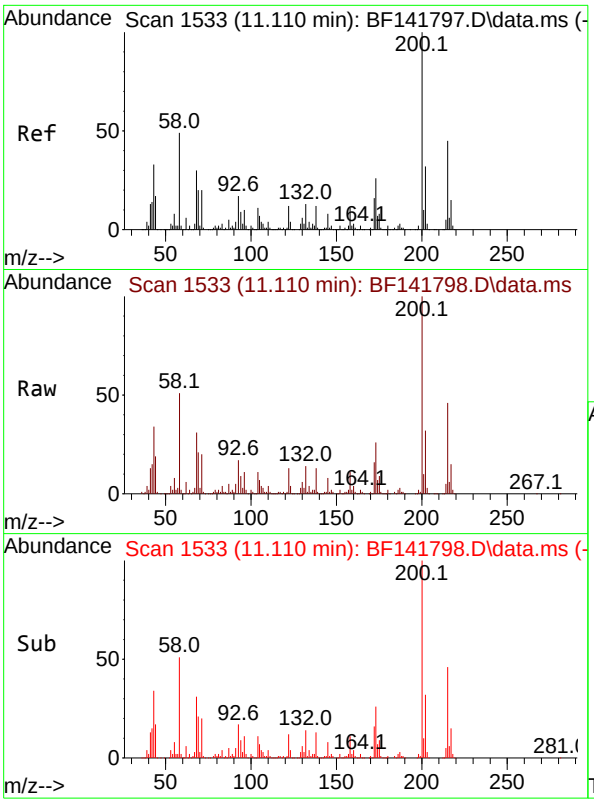


#68
Hexachlorobenzene
Concen: 48.705 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:284 Resp: 605103

Ion	Ratio	Lower	Upper
284	100		
142	35.6	28.2	42.2
249	32.2	25.5	38.3



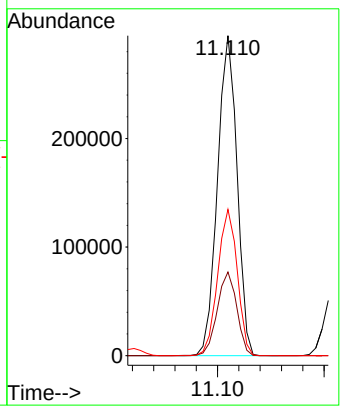


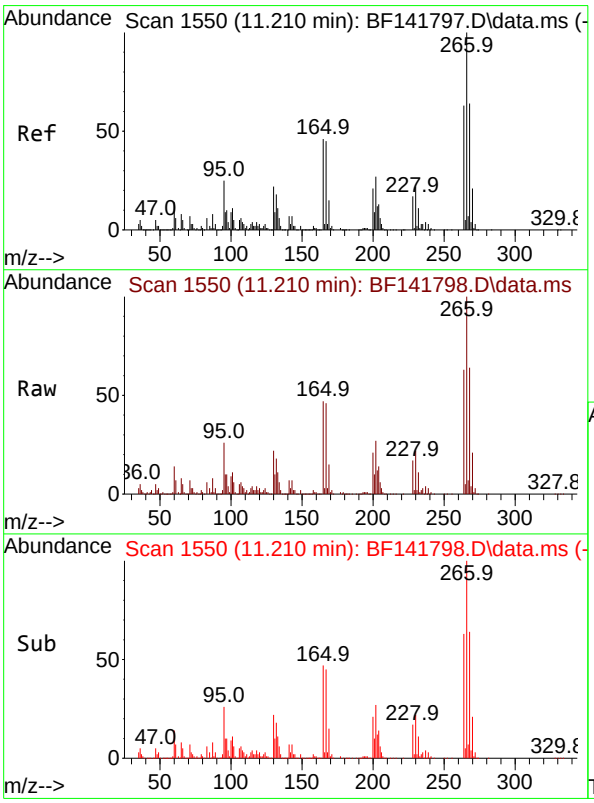
#69
Atrazine
Concen: 41.179 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 374540

Ion	Ratio	Lower	Upper
200	100		
173	26.2	5.6	45.6
215	45.7	25.3	65.3

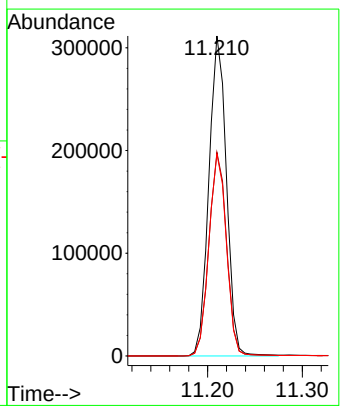


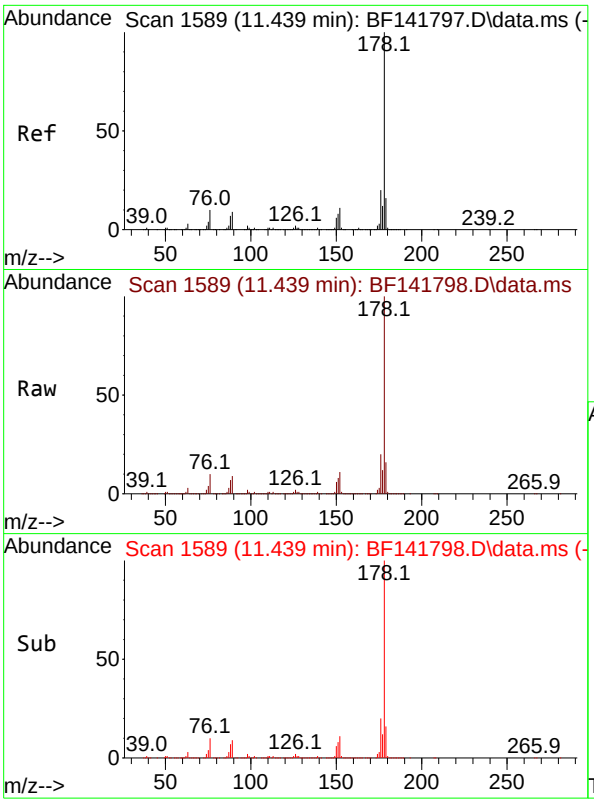


#70
Pentachlorophenol
Concen: 50.809 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:266 Resp: 400352

Ion	Ratio	Lower	Upper
266	100		
268	63.6	50.9	76.3
264	63.2	50.2	75.4



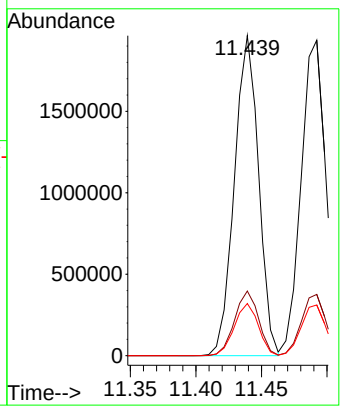


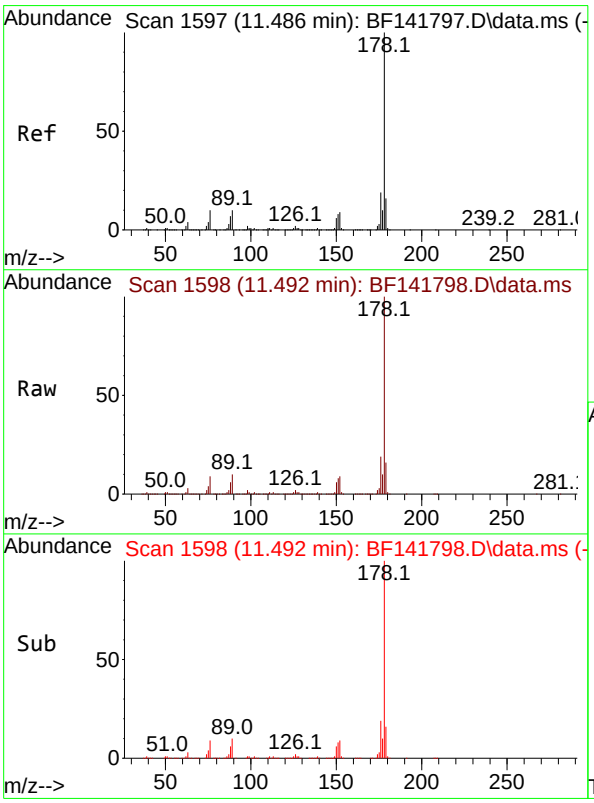
#71
Phenanthrene
Concen: 46.806 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 2521849

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.0	24.0
179	16.3	12.6	19.0

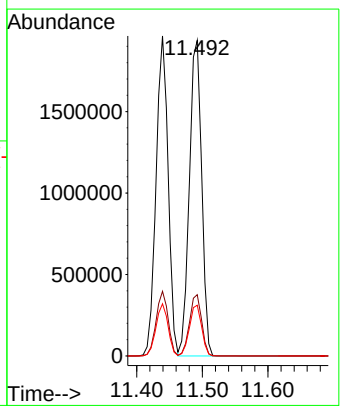


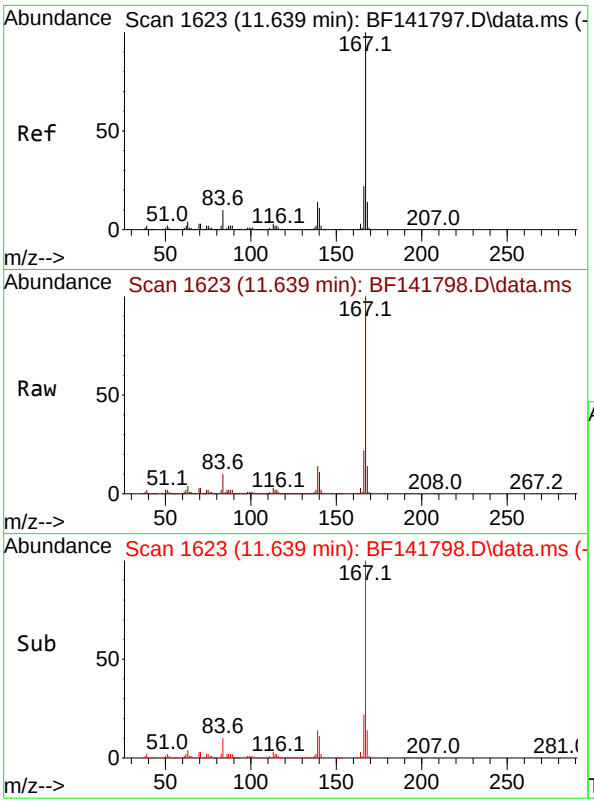


#72
Anthracene
Concen: 46.707 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:178 Resp: 2522132

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	16.1	12.8	19.2



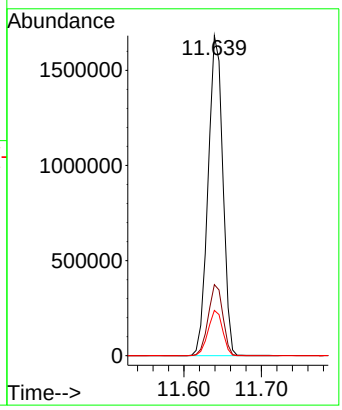


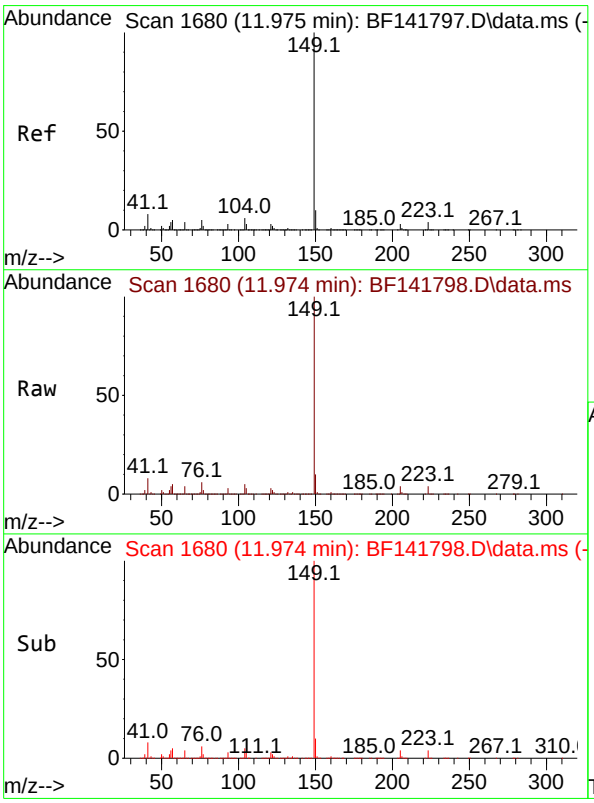
#73
Carbazole
Concen: 46.572 ng
RT: 11.639 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 2220778

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.5	26.3
139	14.2	11.3	16.9

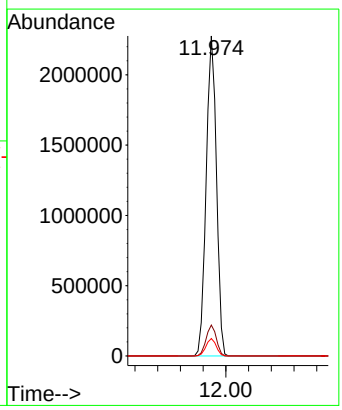


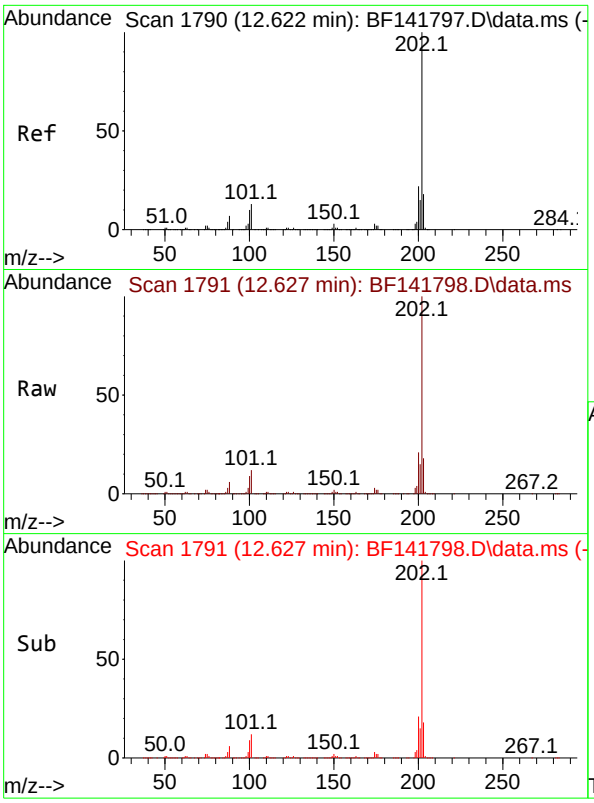


#74
Di-n-butylphthalate
Concen: 46.982 ng
RT: 11.974 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:149 Resp: 2839813

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	5.5	4.4	6.6



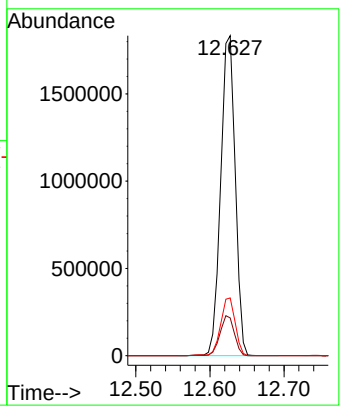


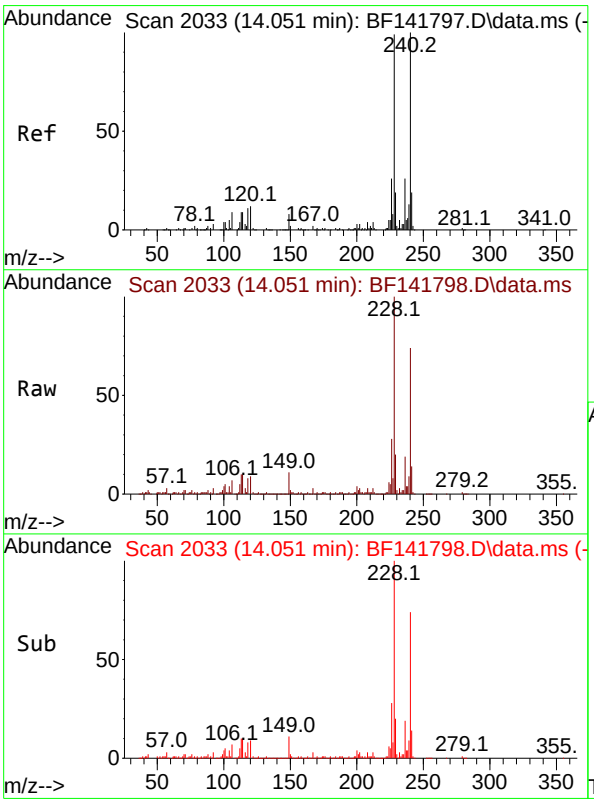
#75
Fluoranthene
Concen: 45.269 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 2499217

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.8
203	18.0	0.0	38.0

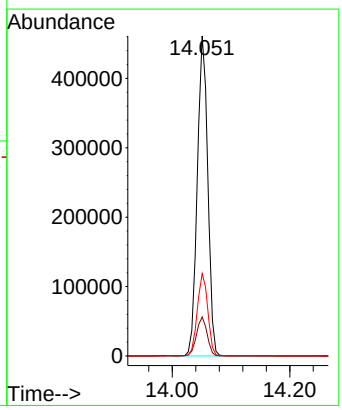


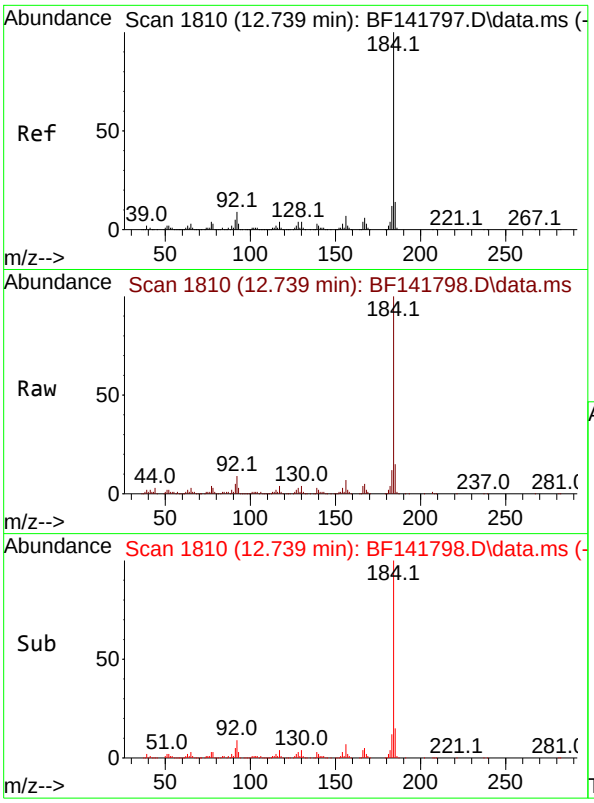


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:240 Resp: 571903

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.7	14.5
236	25.8	21.0	31.4



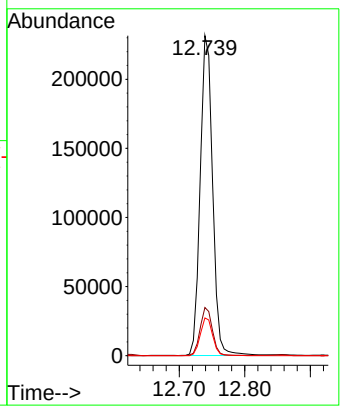


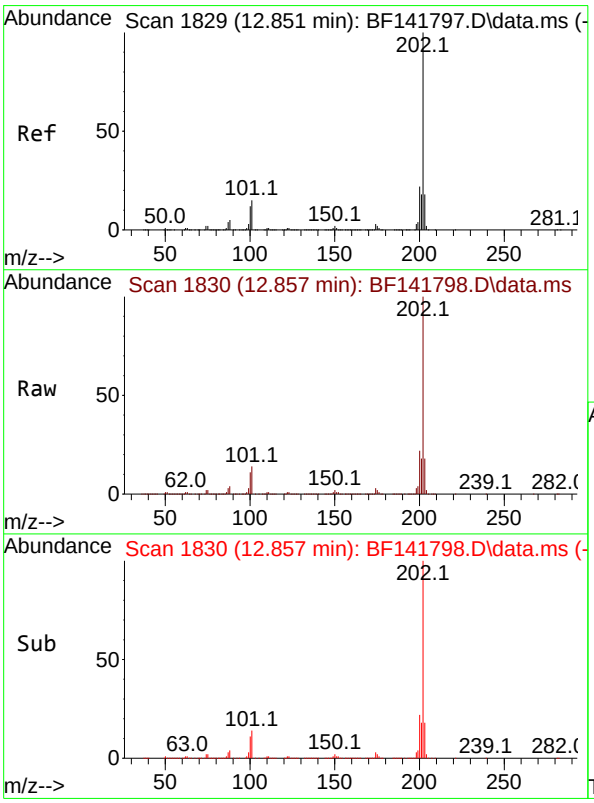
#77
Benzidine
Concen: 42.453 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 305582

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.6	17.4
183	11.8	9.4	14.0

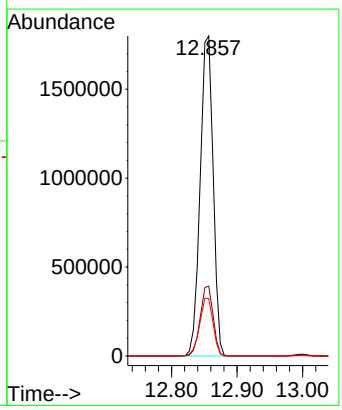


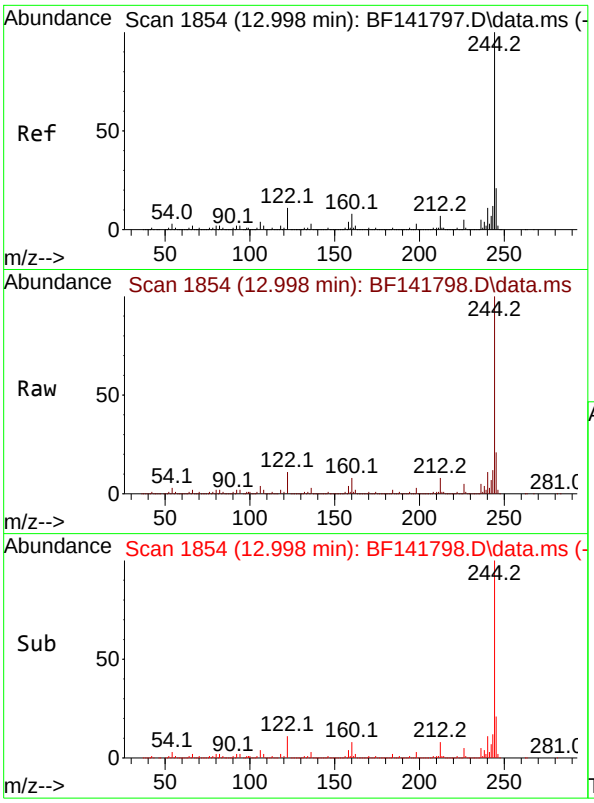


#78
Pyrene
Concen: 50.178 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:202 Resp: 2484995

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.0
203	18.0	14.6	22.0



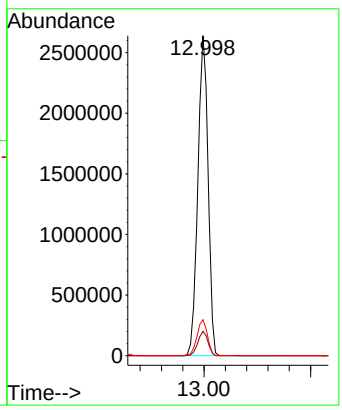


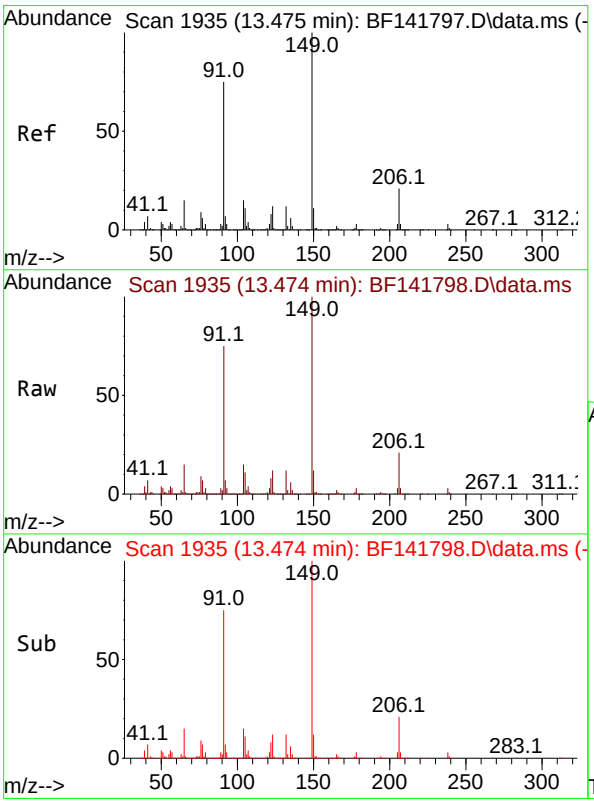
#79
Terphenyl-d14
Concen: 99.483 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 3516535

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	11.3	9.0	13.6

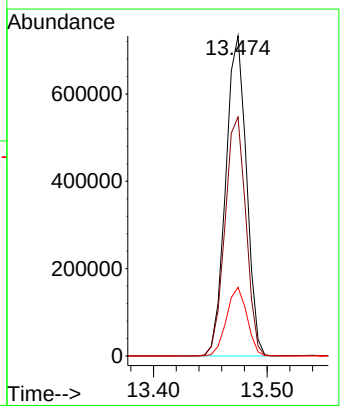


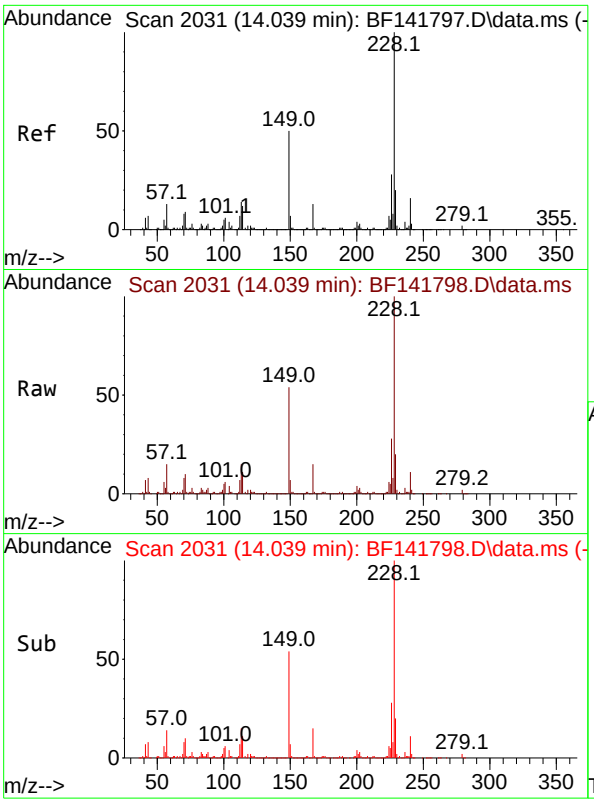


#80
Butylbenzylphthalate
Concen: 51.657 ng
RT: 13.474 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:149 Resp: 929464

Ion	Ratio	Lower	Upper
149	100		
91	74.7	60.1	90.1
206	21.4	16.8	25.2



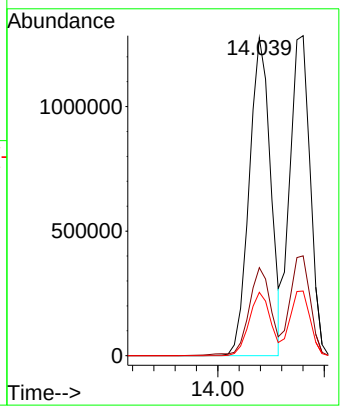


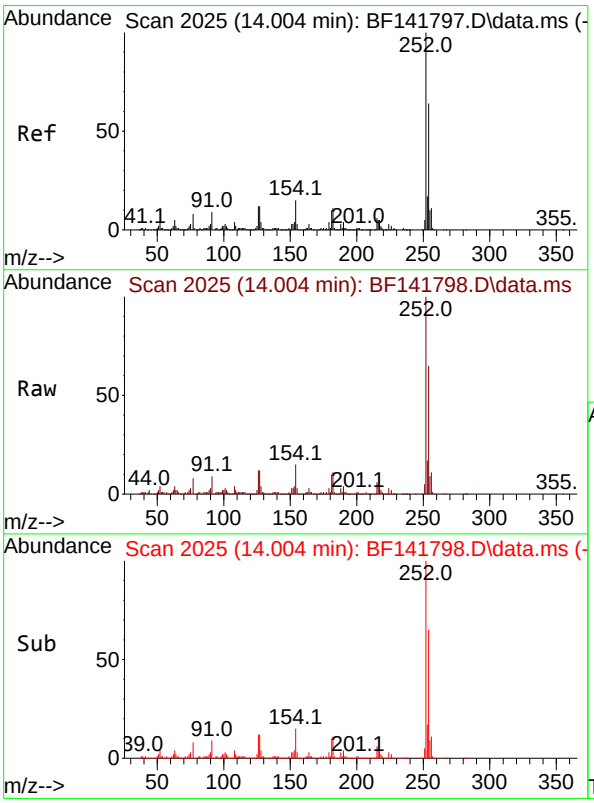
#81
Benzo(a)anthracene
Concen: 47.067 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1777948

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	19.9	16.1	24.1

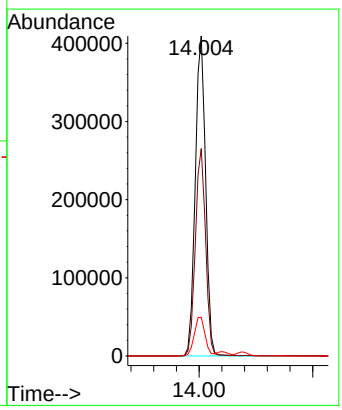


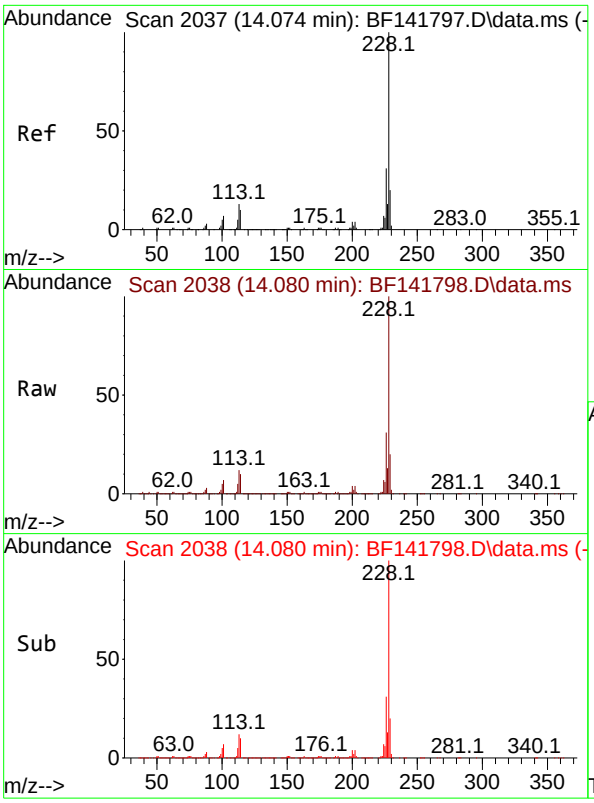


#82
3,3'-Dichlorobenzidine
Concen: 48.021 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:252 Resp: 520451

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.4	77.0
126	12.1	9.8	14.6



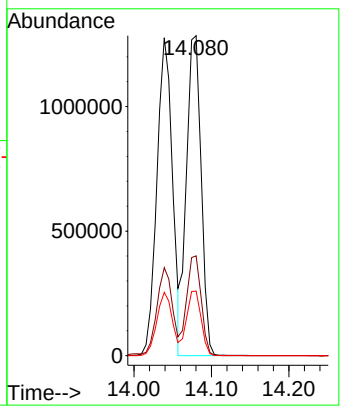


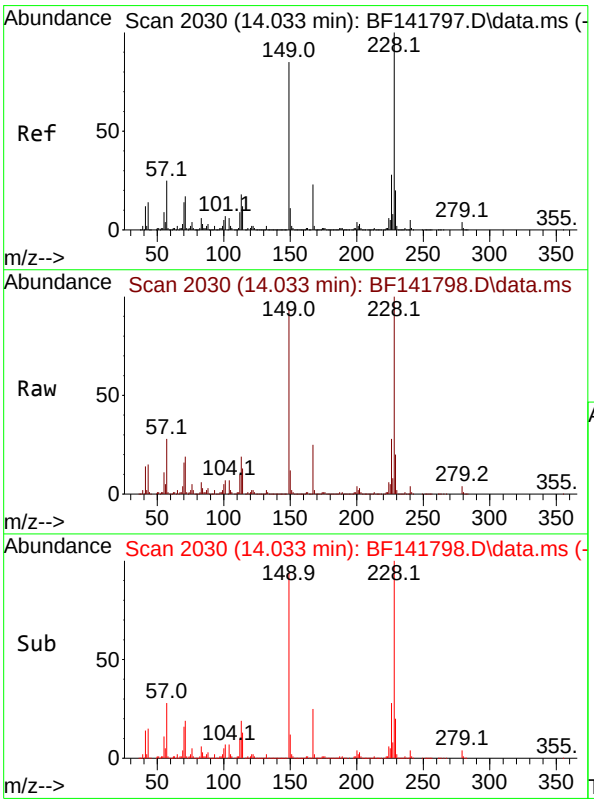
#83
Chrysene
Concen: 48.659 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1694396

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.6	37.0
229	20.2	16.1	24.1

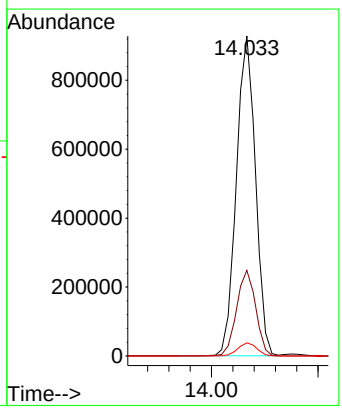


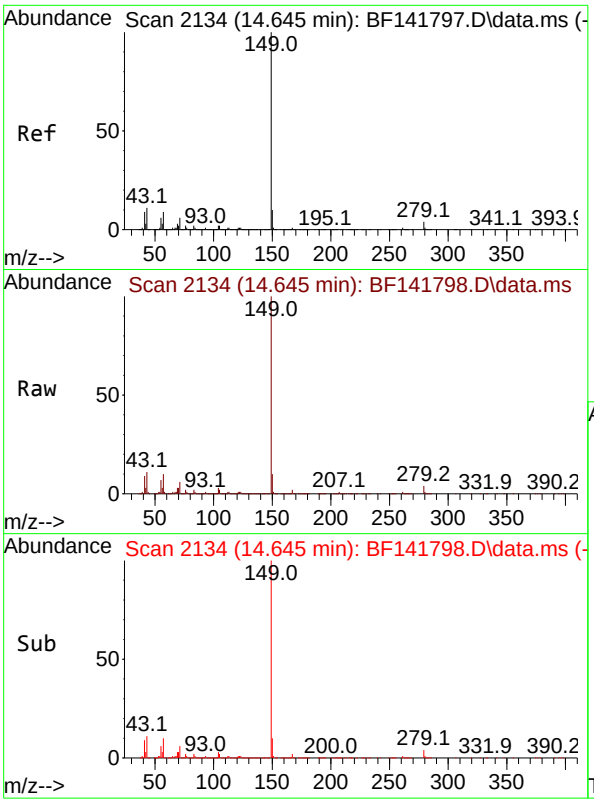


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.766 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:149 Resp: 1159761

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.2	31.8
279	4.1	3.3	4.9



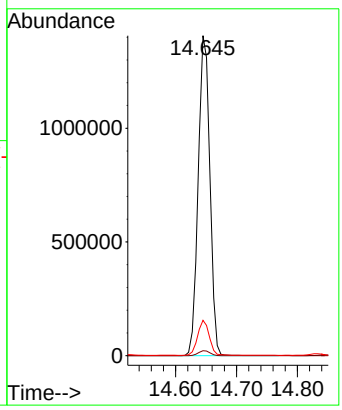


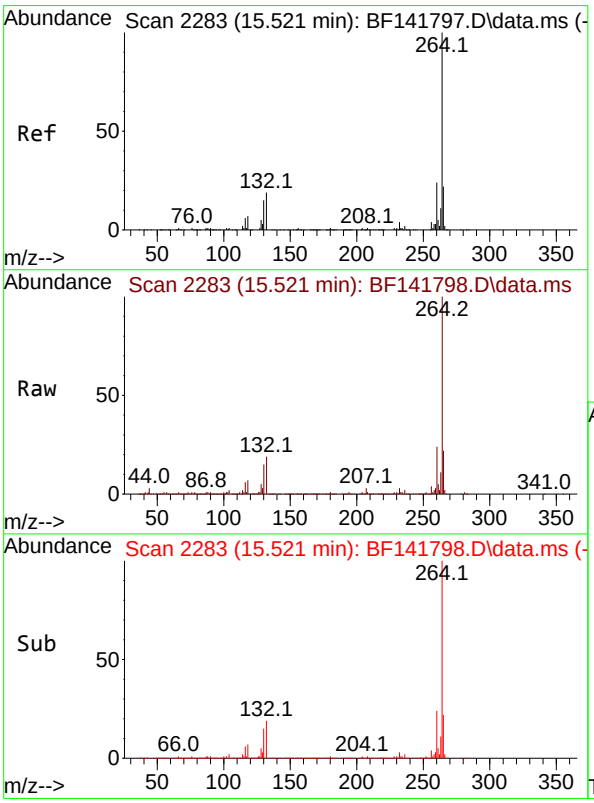
#85
Di-n-octyl phthalate
Concen: 55.606 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 1865081

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.8	8.6	12.8

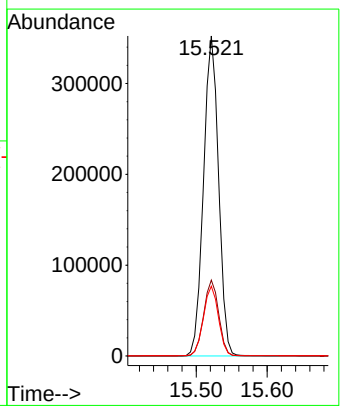


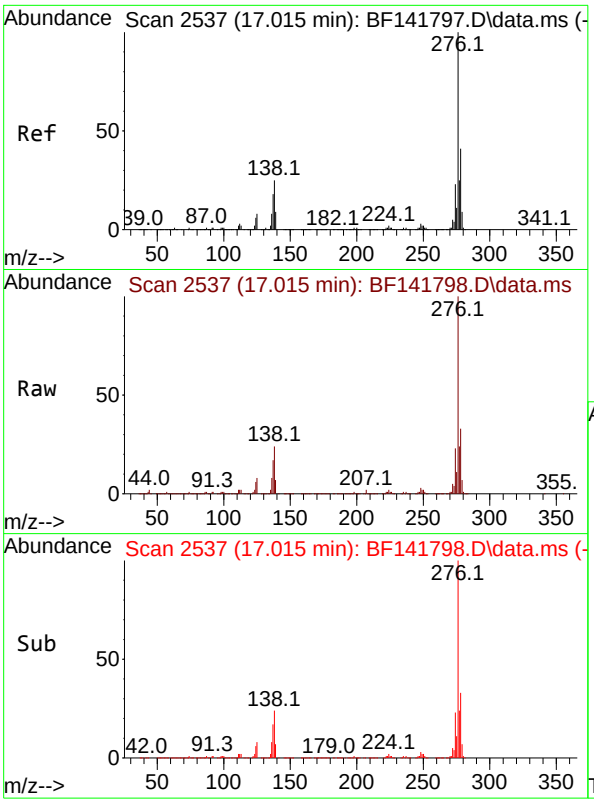


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:264 Resp: 520644

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	21.8	17.4	26.0



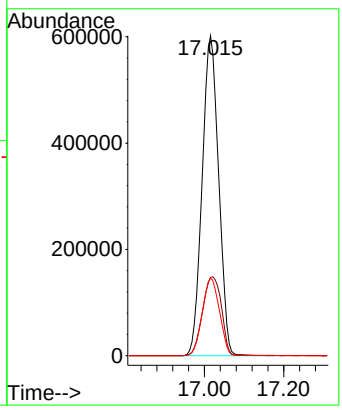


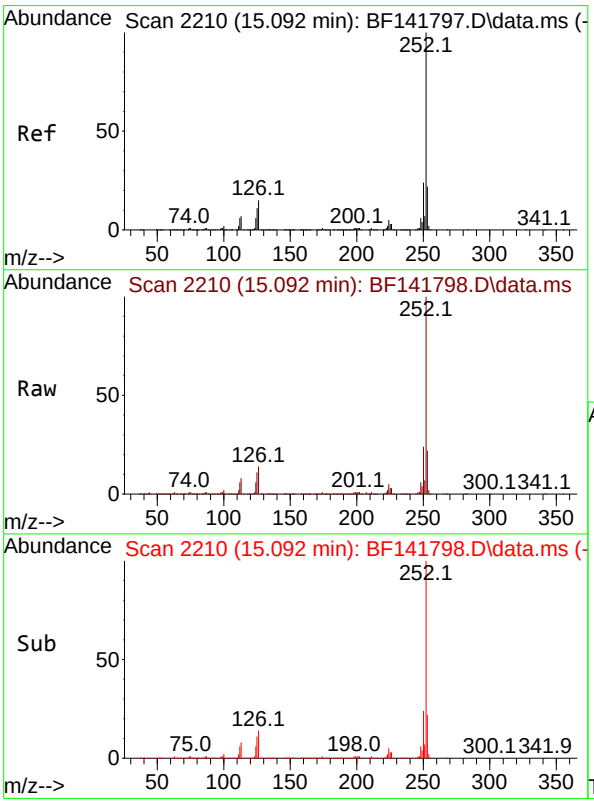
#87
Indeno(1,2,3-cd)pyrene
Concen: 52.510 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1740850

Ion	Ratio	Lower	Upper
276	100		
138	28.1	22.5	33.7
277	25.1	20.3	30.5

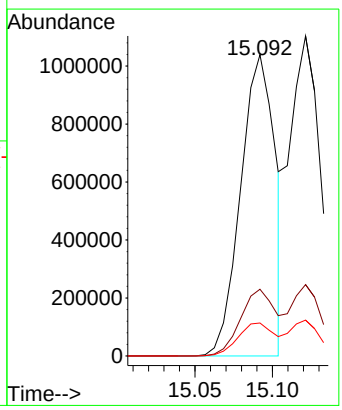


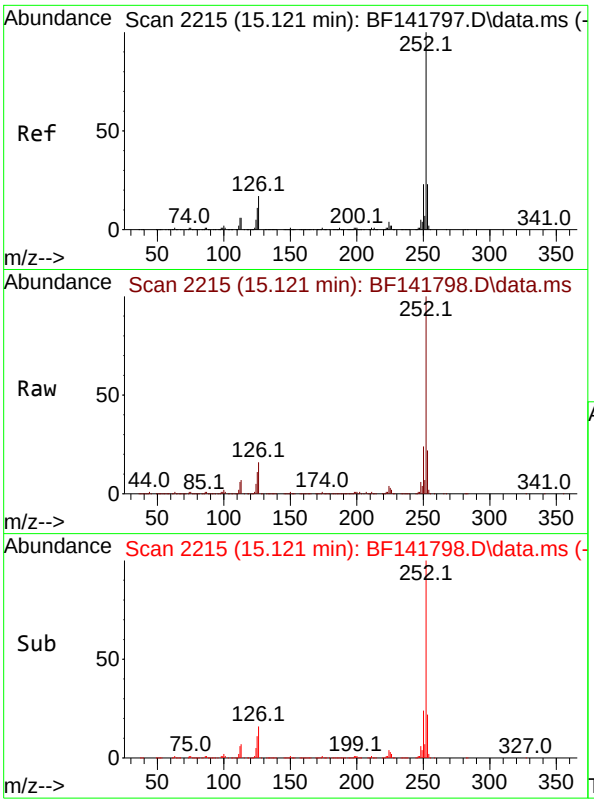


#88
Benzo(b)fluoranthene
Concen: 45.220 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:252 Resp: 1603729

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.0	8.6	13.0



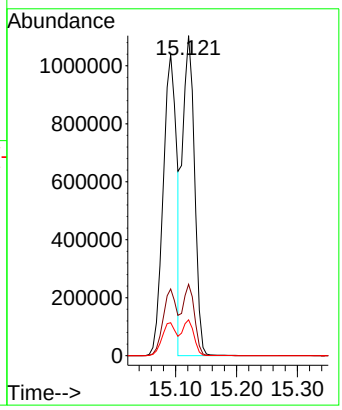


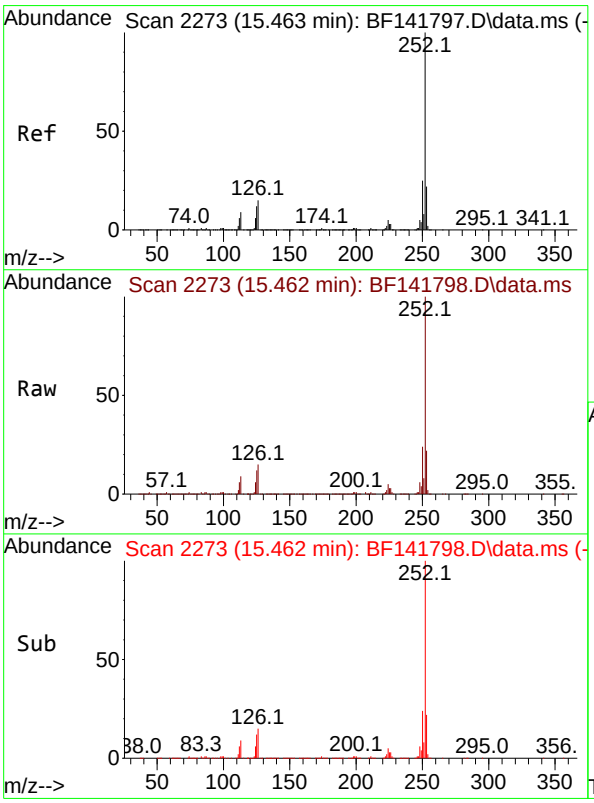
#89
Benzo(k)fluoranthene
Concen: 50.326 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 1516995

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.2	8.8	13.2

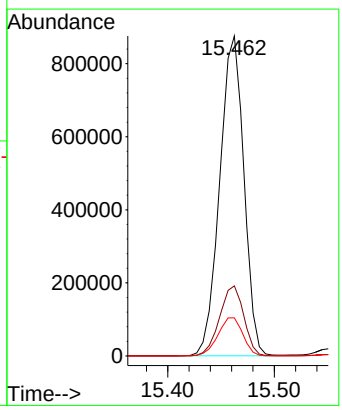


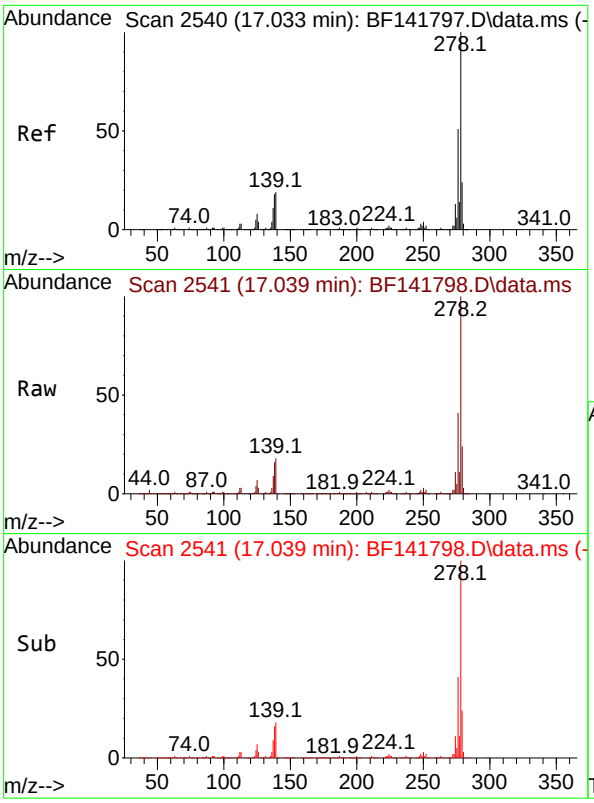


#90
Benzo(a)pyrene
Concen: 48.495 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:252 Resp: 1379319

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.9	9.4	14.2



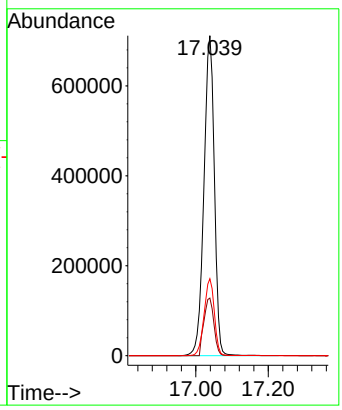


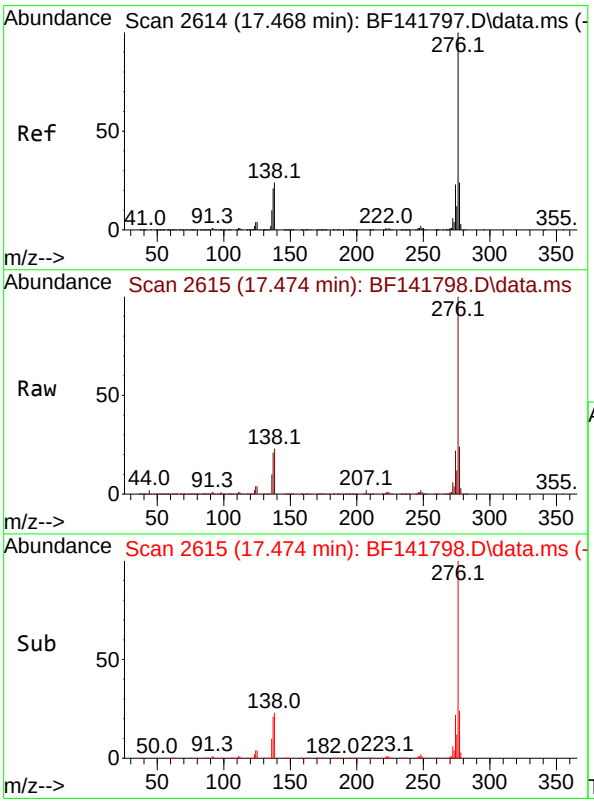
#91
Dibenzo(a,h)anthracene
Concen: 52.616 ng
RT: 17.039 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 1423862

Ion	Ratio	Lower	Upper
278	100		
139	18.0	14.9	22.3
279	24.1	19.3	28.9

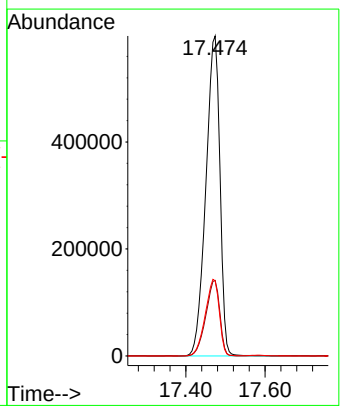




#92
Benzo(g,h,i)perylene
Concen: 53.005 ng
RT: 17.474 min Scan# 2615
Delta R.T. 0.006 min
Lab File: BF141798.D
Acq: 27 Feb 2025 17:46

Tgt Ion:276 Resp: 1469480

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.0
138	23.5	19.3	28.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141799.D
Acq On : 27 Feb 2025 18:15
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Feb 28 01:27:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	297770	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	1163023	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	617087	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	999271	20.000	ng	0.00
76) Chrysene-d12	14.051	240	562939	20.000	ng	0.00
86) Perylene-d12	15.521	264	517191	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	2100577	112.657	ng	0.00
7) Phenol-d6	6.516	99	2720970	112.117	ng	0.00
23) Nitrobenzene-d5	7.457	82	2374498	130.503	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	725271	125.191	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	4223426	109.742	ng	0.00
79) Terphenyl-d14	12.998	244	4143891	119.098	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	494559	58.455	ng	99
3) Pyridine	3.451	79	1241030	58.955	ng	99
4) n-Nitrosodimethylamine	3.410	42	612676	60.489	ng	98
6) Aniline	6.557	93	1451456	57.840	ng	99
8) 2-Chlorophenol	6.681	128	1130771	56.061	ng	99
9) Benzaldehyde	6.445	77	736273	52.156	ng	99
10) Phenol	6.534	94	1451317	56.130	ng	97
11) bis(2-Chloroethyl)ether	6.634	93	1130421	57.184	ng	98
12) 1,3-Dichlorobenzene	6.834	146	1215544	56.273	ng	99
13) 1,4-Dichlorobenzene	6.910	146	1230489	56.536	ng	99
14) 1,2-Dichlorobenzene	7.063	146	1134751	55.834	ng	100
15) Benzyl Alcohol	7.034	79	1108848	57.170	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	1706347	56.838	ng	99
17) 2-Methylphenol	7.134	107	968603	58.177	ng	99
18) Hexachloroethane	7.404	117	473809	58.163	ng	99
19) n-Nitroso-di-n-propyla...	7.316	70	899573	56.387	ng	99
20) 3+4-Methylphenols	7.292	107	1144144	55.188	ng	95
22) Acetophenone	7.304	105	1588210	56.070	ng	99
24) Nitrobenzene	7.475	77	1244392	63.867	ng	98
25) Isophorone	7.716	82	2297900	58.786	ng	100
26) 2-Nitrophenol	7.786	139	540018	60.712	ng	98
27) 2,4-Dimethylphenol	7.822	122	832135	57.912	ng	100
28) bis(2-Chloroethoxy)met...	7.922	93	1423641	57.094	ng	100
29) 2,4-Dichlorophenol	8.028	162	981508	59.211	ng	100
30) 1,2,4-Trichlorobenzene	8.116	180	1051434	57.885	ng	100
31) Naphthalene	8.198	128	3313144	55.427	ng	99
32) Benzoic acid	7.957	122	749284	60.158	ng	99
33) 4-Chloroaniline	8.245	127	1243216	56.723	ng	100
34) Hexachlorobutadiene	8.310	225	666891	59.082	ng	99
35) Caprolactam	8.628	113	309453	60.671	ng	98
36) 4-Chloro-3-methylphenol	8.716	107	1082457	58.783	ng	99
37) 2-Methylnaphthalene	8.886	142	2160902	55.115	ng	100
38) 1-Methylnaphthalene	8.986	142	2071154	55.054	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	1024373	57.477	ng	99
41) Hexachlorocyclopentadiene	9.039	237	458054	61.586	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	681760	59.220	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141799.D
Acq On : 27 Feb 2025 18:15
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Feb 28 01:27:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

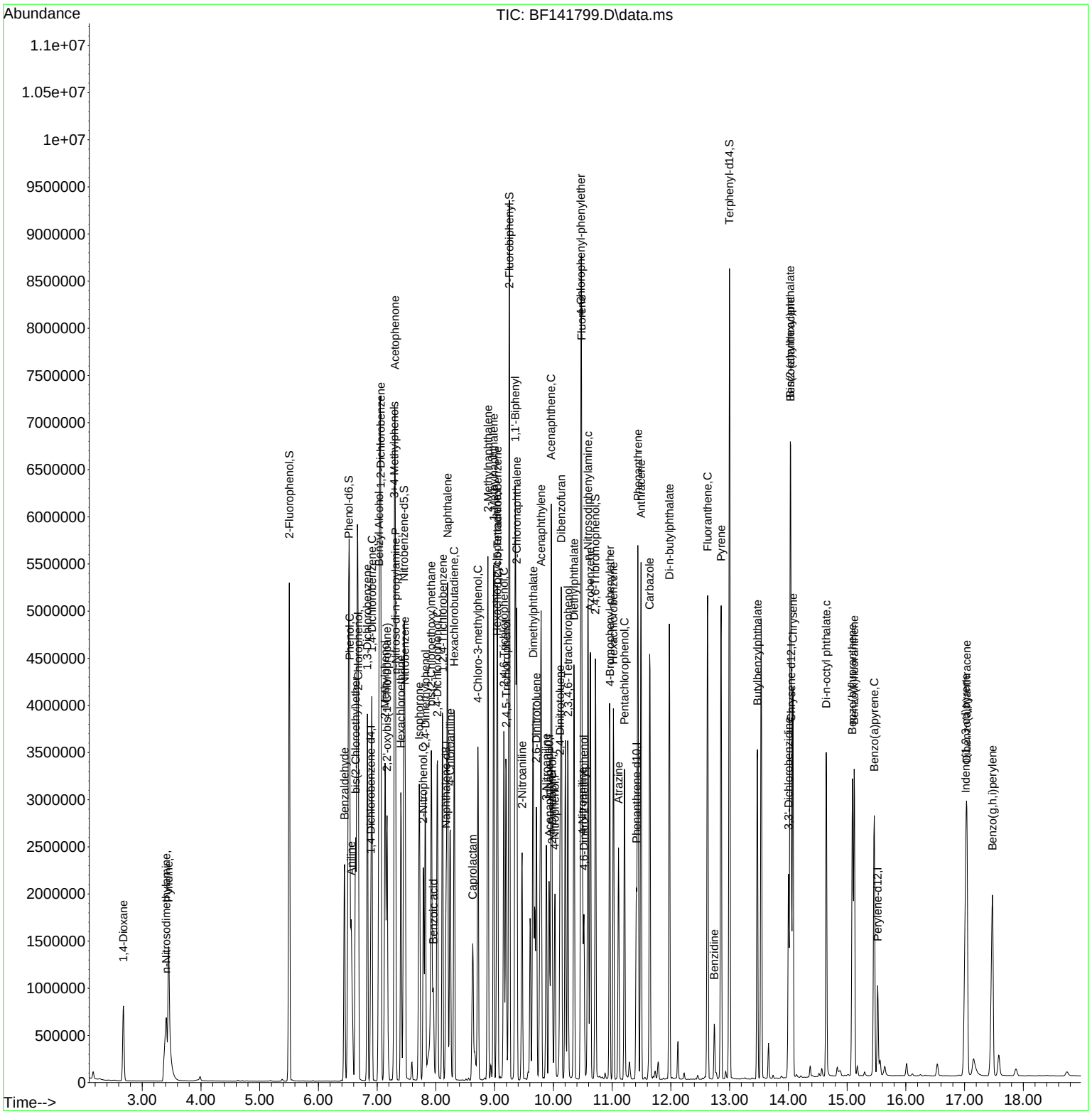
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	703662	61.725	ng		99
46) 1,1'-Biphenyl	9.351	154	2626139	55.911	ng		99
47) 2-Chloronaphthalene	9.375	162	1982513	57.187	ng		99
48) 2-Nitroaniline	9.469	65	590092	60.902	ng		98
49) Acenaphthylene	9.792	152	2954653	56.845	ng		100
50) Dimethylphthalate	9.657	163	2379542	57.581	ng		100
51) 2,6-Dinitrotoluene	9.710	165	491402	61.325	ng		98
52) Acenaphthene	9.963	154	2006502	57.211	ng		99
53) 3-Nitroaniline	9.880	138	521575	61.078	ng		99
54) 2,4-Dinitrophenol	9.980	184	207307	62.312	ng	#	13
55) Dibenzofuran	10.133	168	2854091	55.911	ng		99
56) 4-Nitrophenol	10.028	139	424581	69.564	ng		100
57) 2,4-Dinitrotoluene	10.116	165	601539	61.246	ng		99
58) Fluorene	10.480	166	2099887	54.917	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	596455	60.159	ng		99
60) Diethylphthalate	10.351	149	2360216	56.972	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	1079059	56.324	ng		98
62) 4-Nitroaniline	10.498	138	490806	69.546	ng		99
63) Azobenzene	10.627	77	2453259	56.242	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	300954	61.255	ng		99
66) n-Nitrosodiphenylamine	10.592	169	1867463	56.913	ng		98
67) 4-Bromophenyl-phenylether	10.963	248	688777	59.012	ng		97
68) Hexachlorobenzene	11.022	284	726507	58.945	ng		98
69) Atrazine	11.110	200	416878	46.200	ng		100
70) Pentachlorophenol	11.210	266	492228	62.968	ng		99
71) Phenanthrene	11.439	178	3002094	56.165	ng		99
72) Anthracene	11.492	178	2966353	55.373	ng		99
73) Carbazole	11.639	167	2612132	55.217	ng		99
74) Di-n-butylphthalate	11.974	149	3338525	55.675	ng		99
75) Fluoranthene	12.627	202	2940034	53.680	ng		99
77) Benzidine	12.739	184	306135	43.207	ng		99
78) Pyrene	12.857	202	2927964	60.064	ng		100
80) Butylbenzylphthalate	13.474	149	1126511	63.605	ng		100
81) Benzo(a)anthracene	14.039	228	2130928	57.309	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	614898	57.639	ng		100
83) Chrysene	14.080	228	2040957	59.545	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1398602	63.421	ng		99
85) Di-n-octyl phthalate	14.645	149	2225625	67.411	ng		99
87) Indeno(1,2,3-cd)pyrene	17.021	276	2127125	64.589	ng		100
88) Benzo(b)fluoranthene	15.092	252	2126076	60.349	ng		99
89) Benzo(k)fluoranthene	15.121	252	1614240	53.909	ng		100
90) Benzo(a)pyrene	15.462	252	1676196	59.327	ng		99
91) Dibenzo(a,h)anthracene	17.039	278	1708189	63.544	ng		100
92) Benzo(g,h,i)perylene	17.474	276	1792957	65.105	ng		99

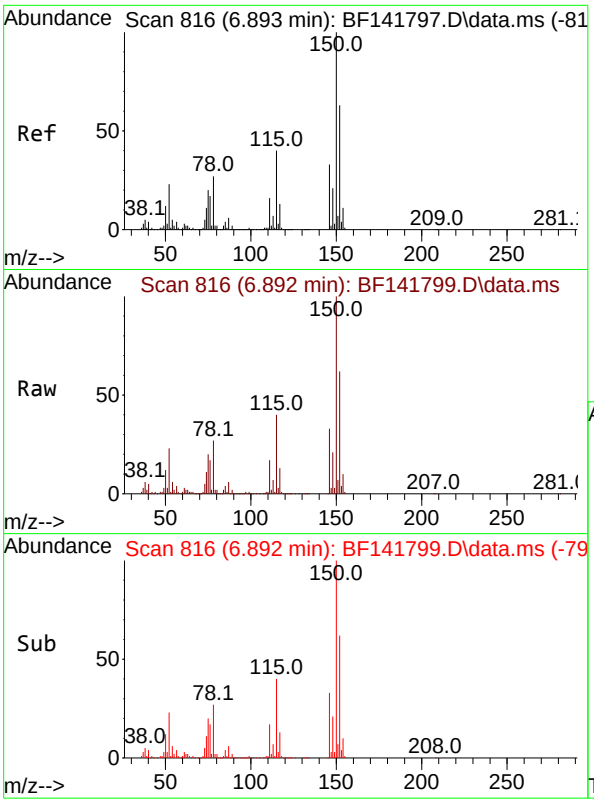
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141799.D
Acq On : 27 Feb 2025 18:15
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Feb 28 01:27:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration



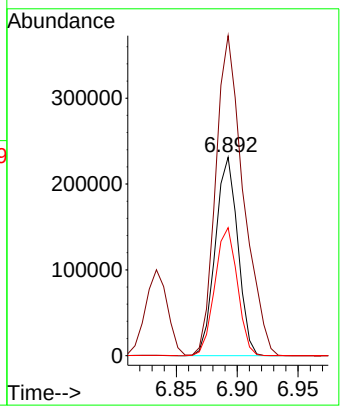


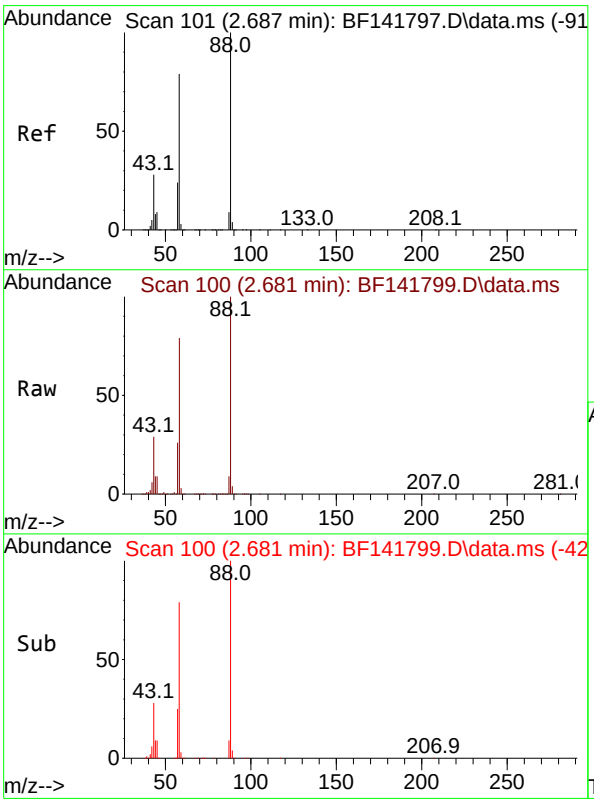
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 297770

Ion	Ratio	Lower	Upper
152	100		
150	161.3	127.5	191.3
115	64.5	51.4	77.2

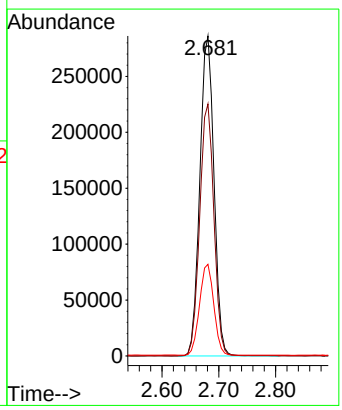


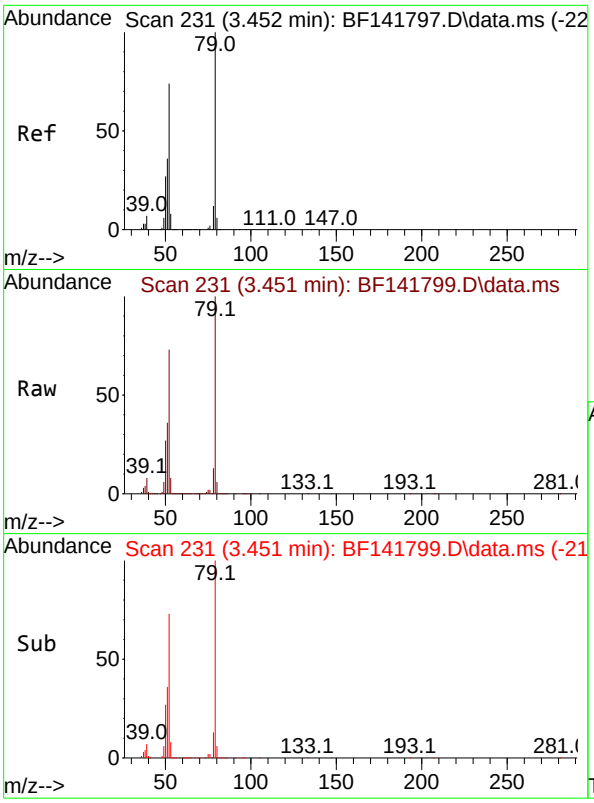


#2
1,4-Dioxane
Concen: 58.455 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 88 Resp: 494559

Ion	Ratio	Lower	Upper
88	100		
58	79.2	63.9	95.9
43	28.6	23.0	34.6



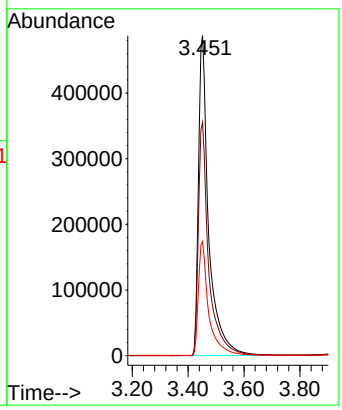


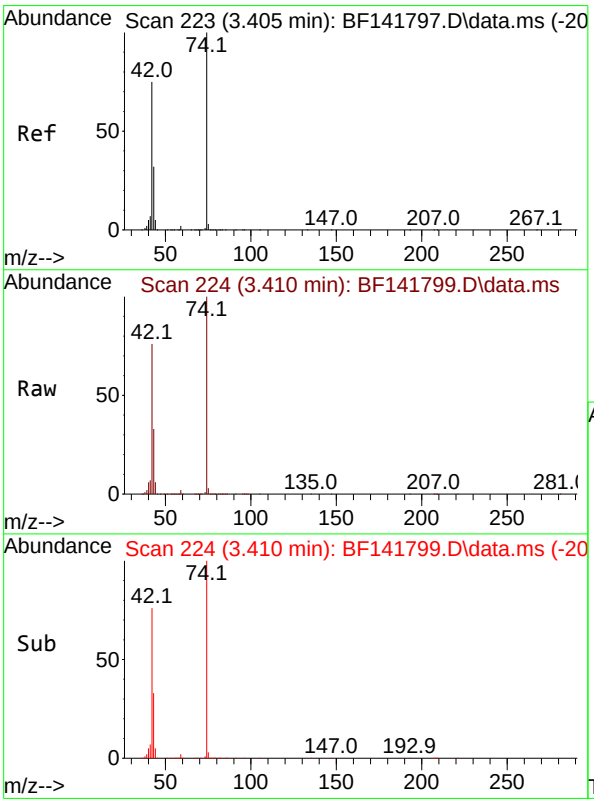
#3
Pyridine
Concen: 58.955 ng
RT: 3.451 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1241030

Ion	Ratio	Lower	Upper
79	100		
52	73.0	59.0	88.4
51	35.6	29.0	43.4

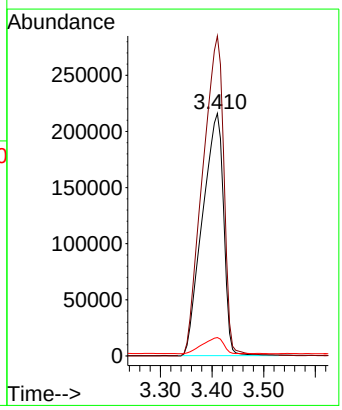


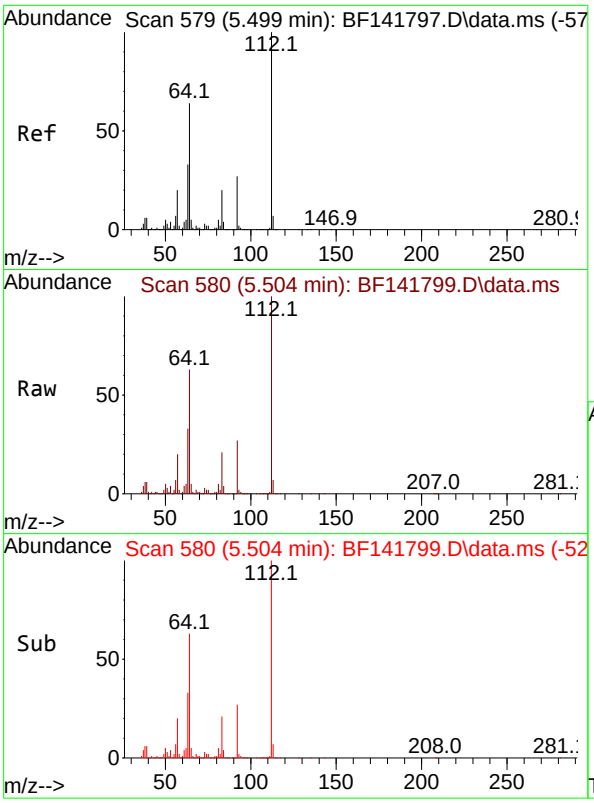


#4
n-Nitrosodimethylamine
Concen: 60.489 ng
RT: 3.410 min Scan# 224
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 42 Resp: 612676

Ion	Ratio	Lower	Upper
42	100		
74	131.9	107.1	160.7
44	7.6	6.6	9.8



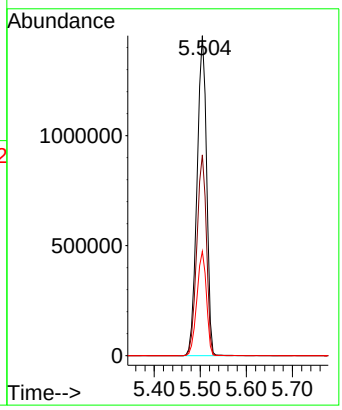


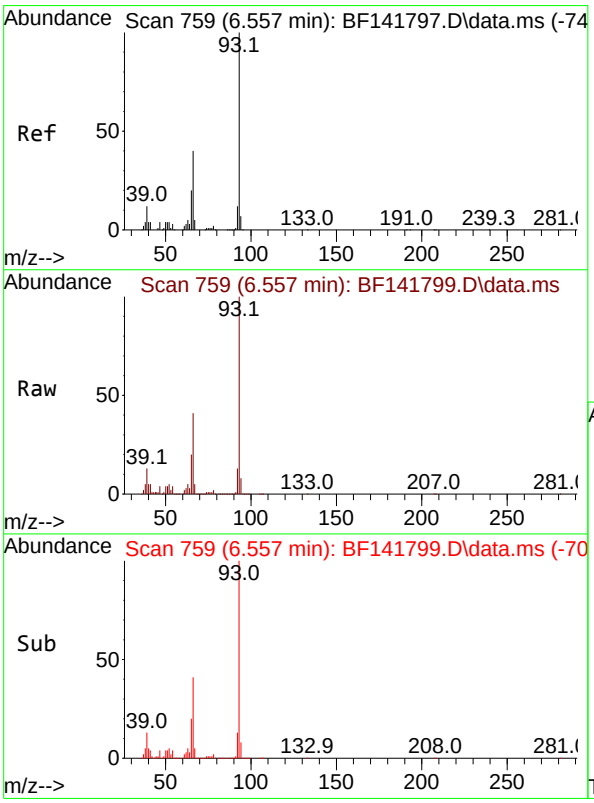
#5
2-Fluorophenol
Concen: 112.657 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 2100577

Ion	Ratio	Lower	Upper
112	100		
64	62.8	51.3	76.9
63	32.6	26.2	39.4

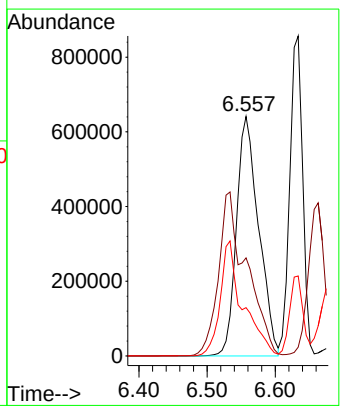


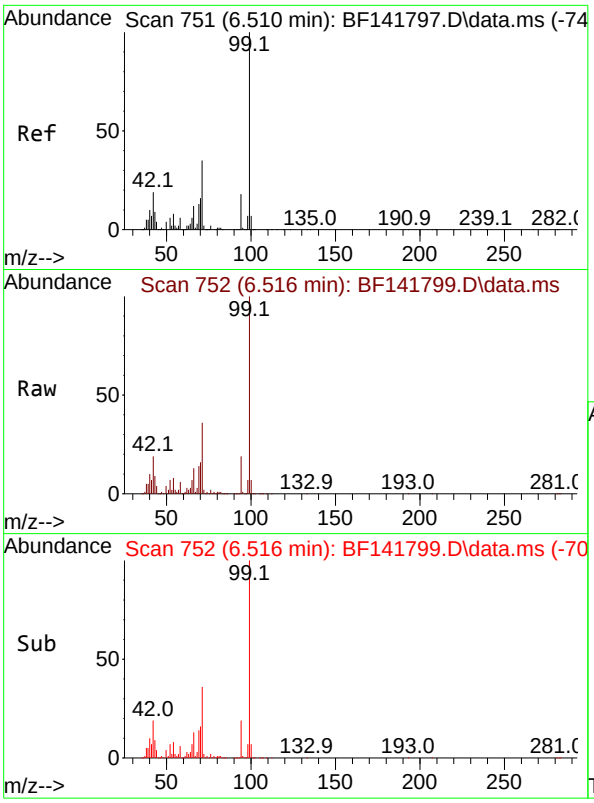


#6
Aniline
Concen: 57.840 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 93 Resp: 1451456

Ion	Ratio	Lower	Upper
93	100		
66	41.0	32.3	48.5
65	20.2	15.9	23.9



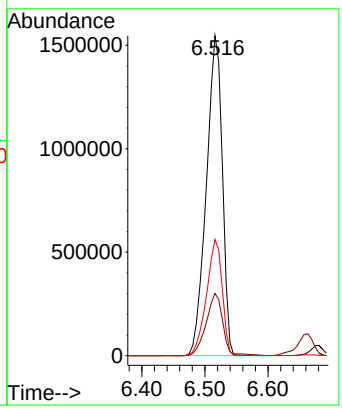


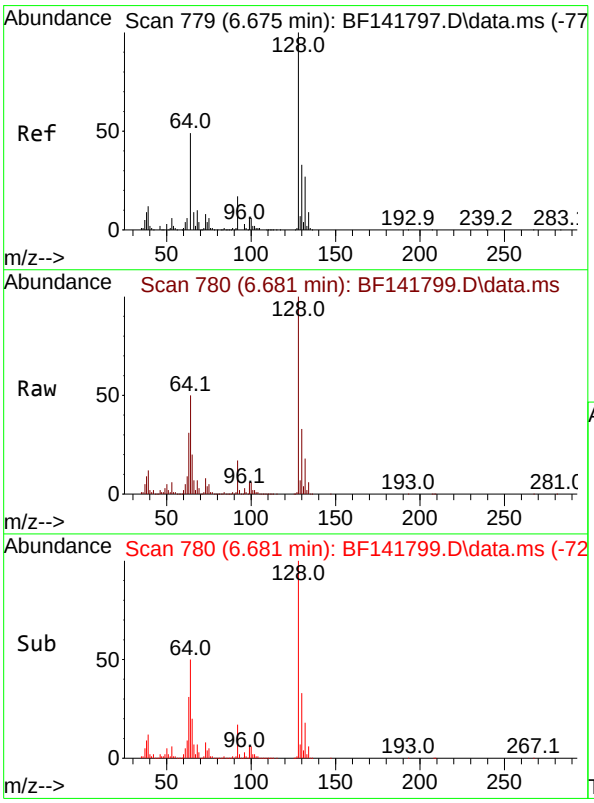
#7
Phenol-d6
Concen: 112.117 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 2720970

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.2	22.8
71	36.3	28.2	42.2

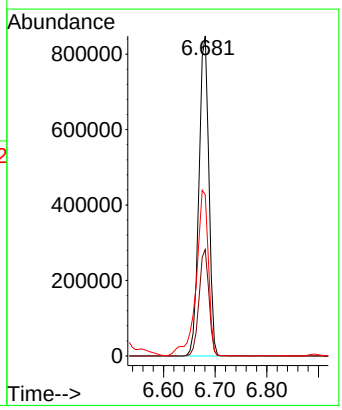


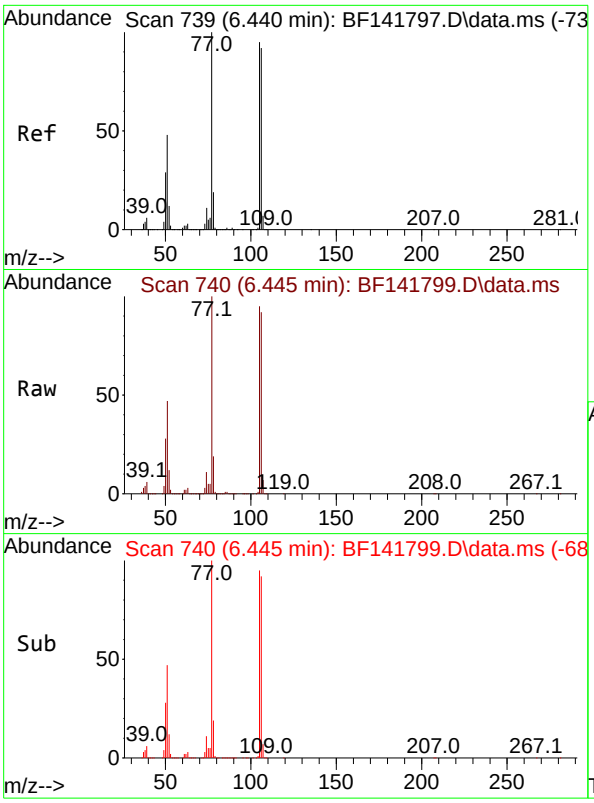


#8
2-Chlorophenol
Concen: 56.061 ng
RT: 6.681 min Scan# 780
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:128 Resp: 1130771

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.6	52.6
64	50.4	31.1	71.1



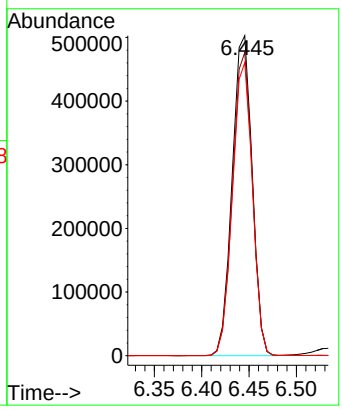


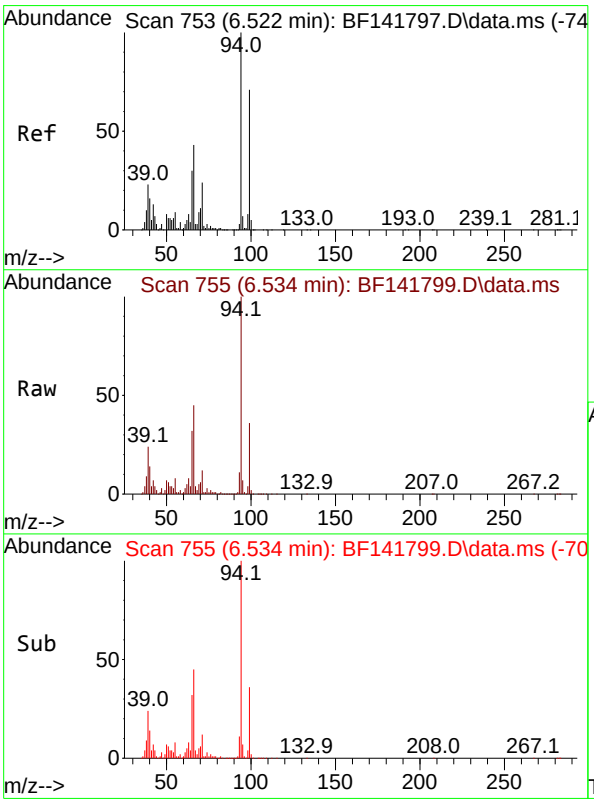
#9
Benzaldehyde
Concen: 52.156 ng
RT: 6.445 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 736273

Ion	Ratio	Lower	Upper
77	100		
105	94.7	75.3	115.3
106	91.6	72.3	112.3

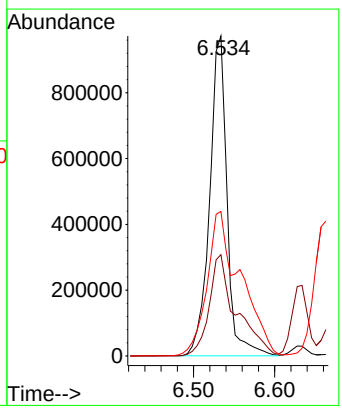


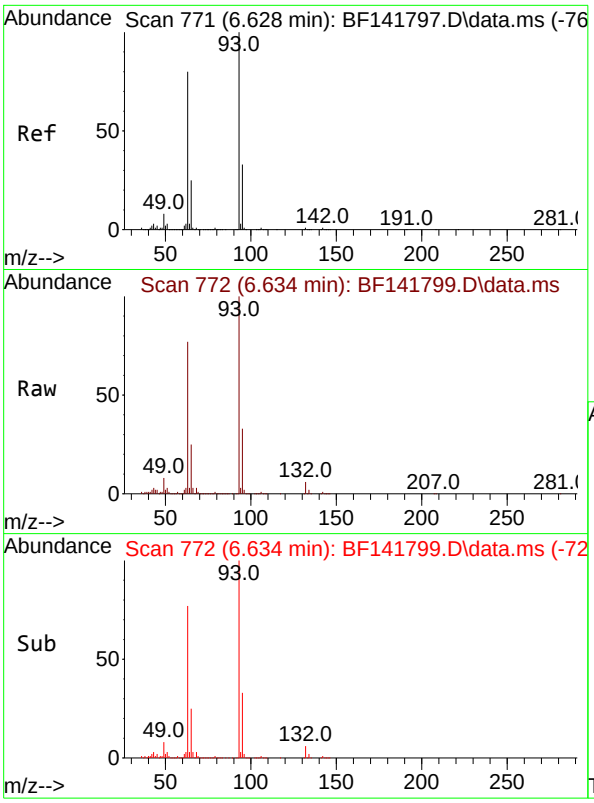


#10
Phenol
Concen: 56.130 ng
RT: 6.534 min Scan# 755
Delta R.T. 0.012 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 94 Resp: 1451317

Ion	Ratio	Lower	Upper
94	100		
65	31.7	10.2	50.2
66	45.1	23.2	63.2



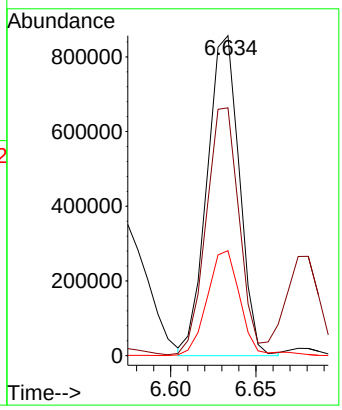


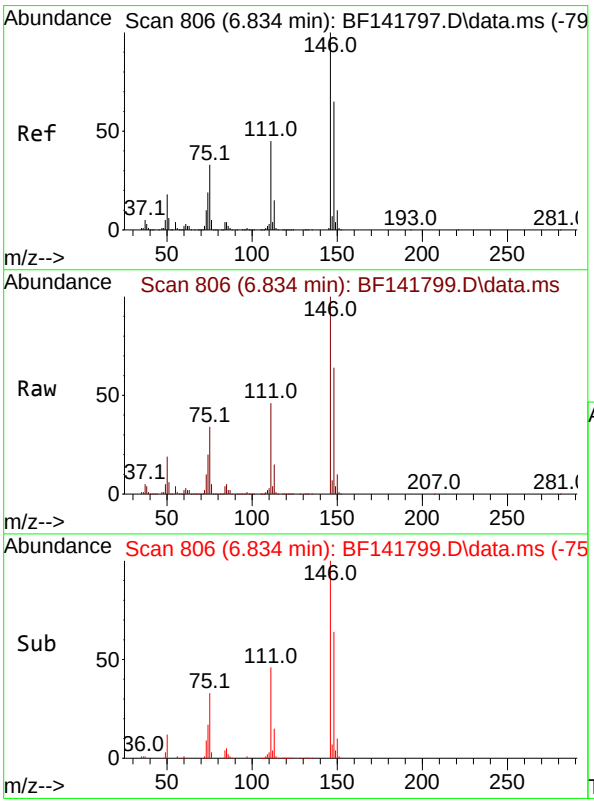
#11
bis(2-Chloroethyl)ether
Concen: 57.184 ng
RT: 6.634 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 1130421

Ion	Ratio	Lower	Upper
93	100		
63	77.4	59.3	99.3
95	32.8	13.2	53.2

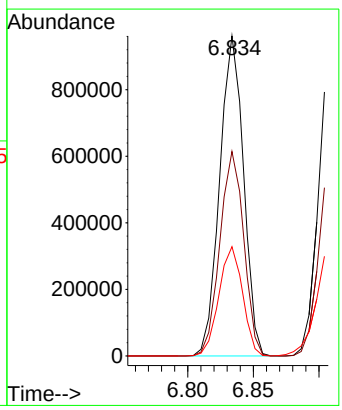


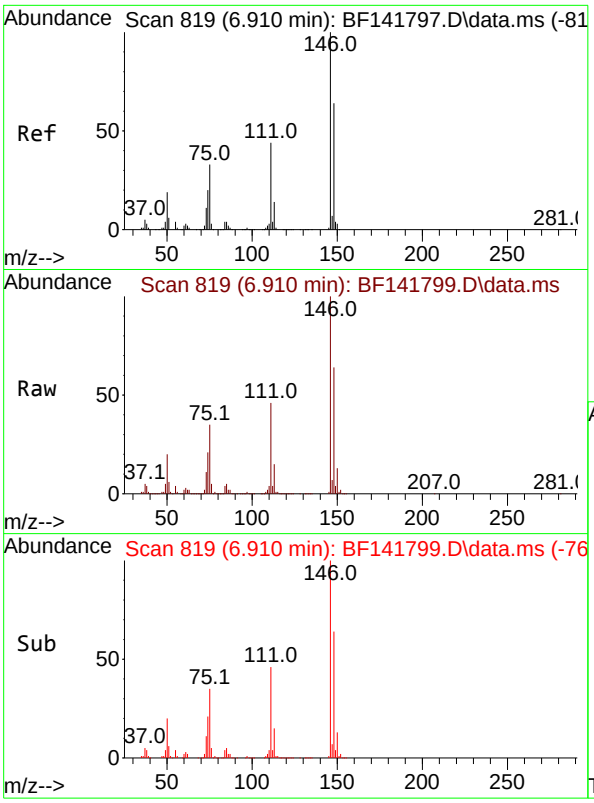


#12
1,3-Dichlorobenzene
Concen: 56.273 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:146 Resp: 1215544

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.6
75	34.1	26.2	39.4



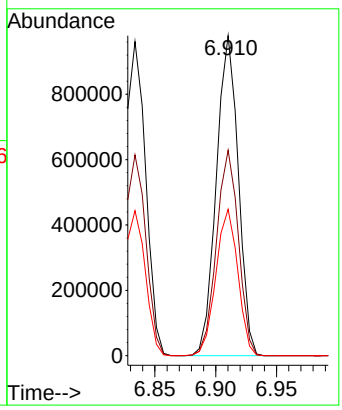


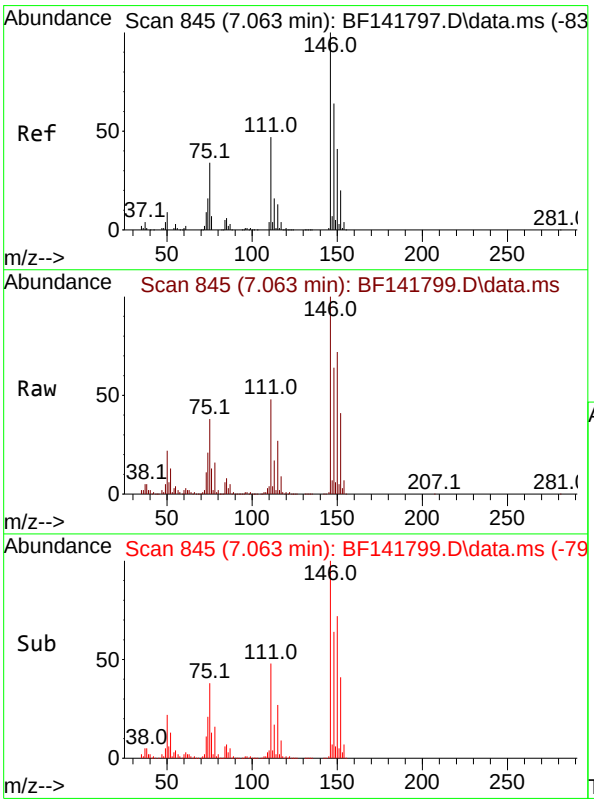
#13
1,4-Dichlorobenzene
Concen: 56.536 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 1230489

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.2
111	45.8	35.5	53.3

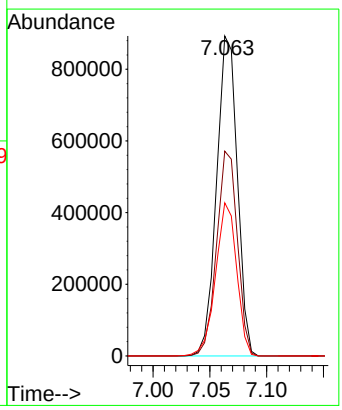


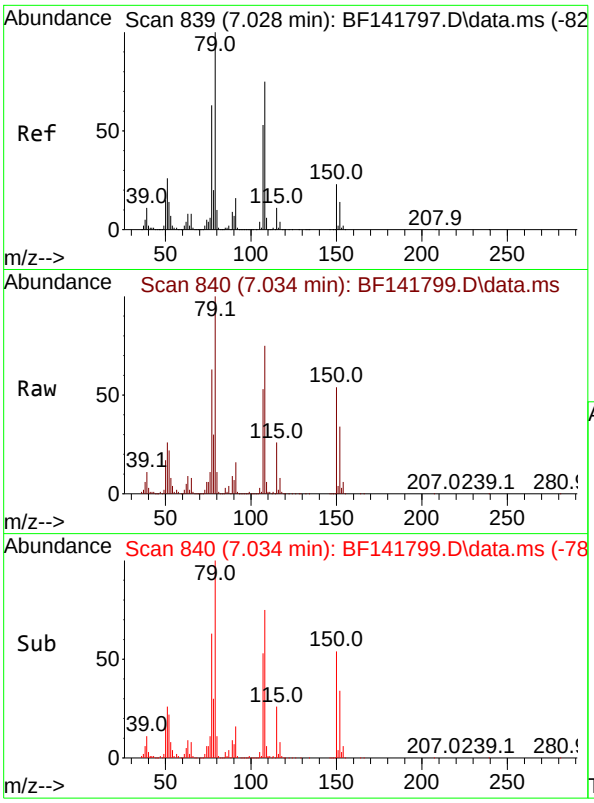


#14
1,2-Dichlorobenzene
Concen: 55.834 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:146 Resp: 1134751

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.2	76.8
111	47.8	37.8	56.6



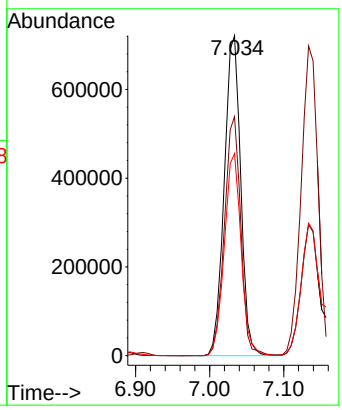


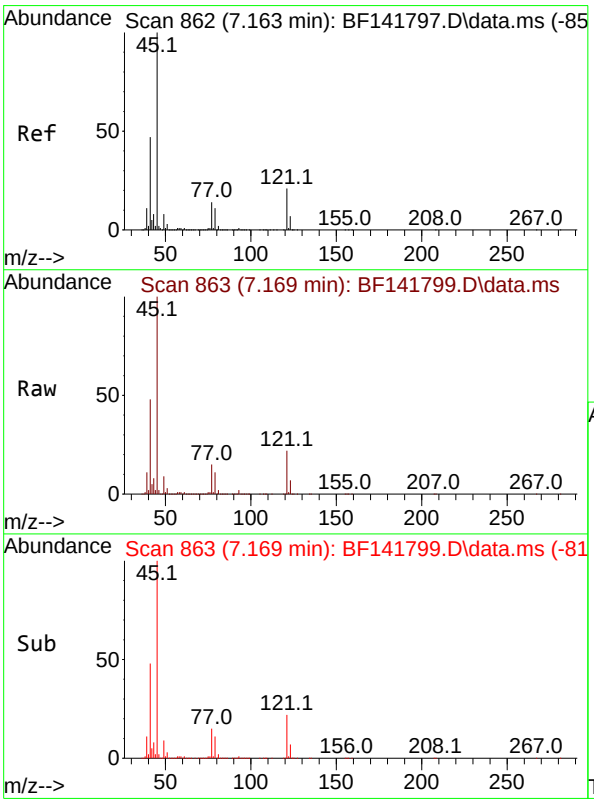
#15
Benzyl Alcohol
Concen: 57.170 ng
RT: 7.034 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 1108848

Ion	Ratio	Lower	Upper
79	100		
108	74.7	60.2	90.2
77	63.2	50.2	75.2

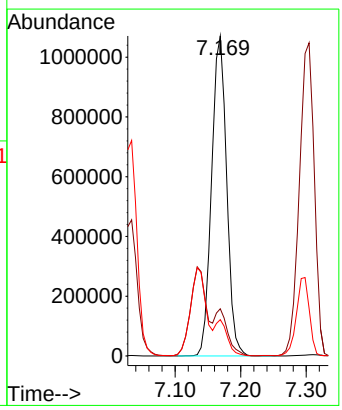


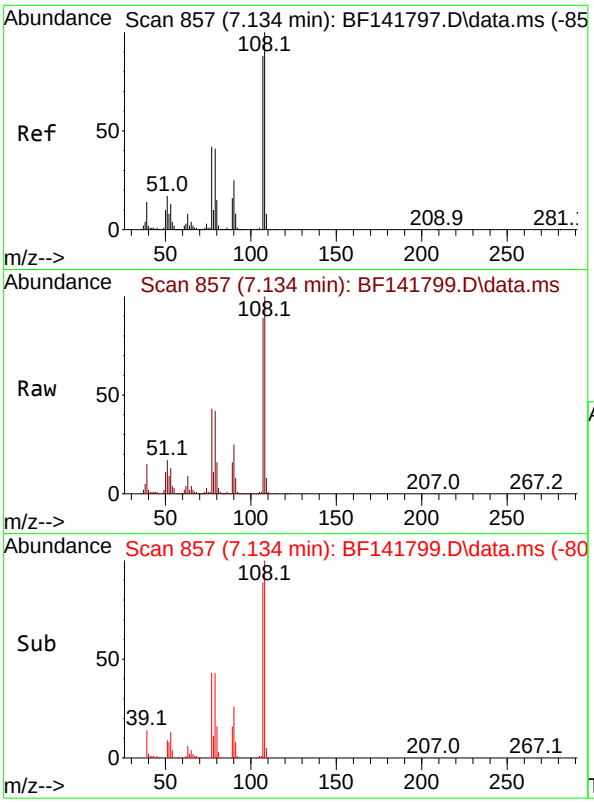


#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.838 ng
RT: 7.169 min Scan# 863
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 45 Resp: 1706347

Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	34.4
79	11.4	0.0	30.9



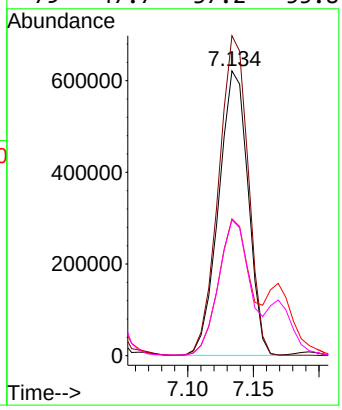


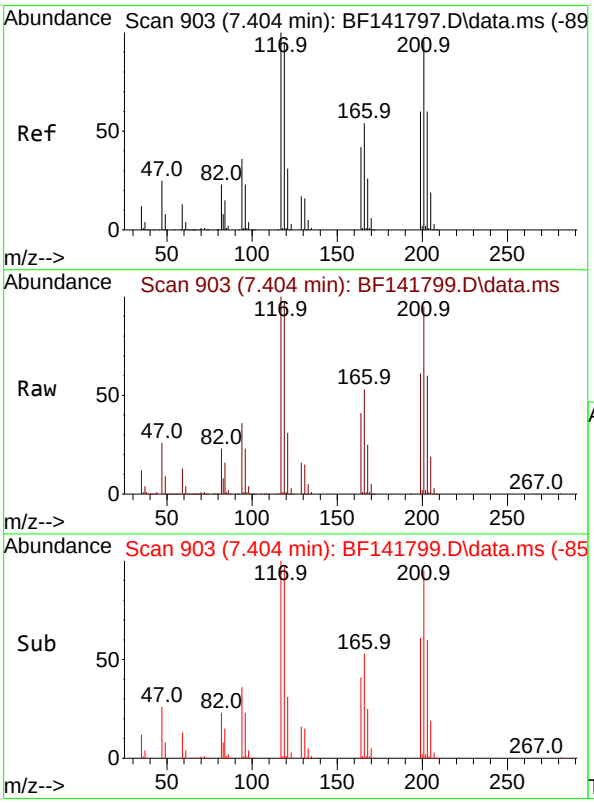
#17
2-Methylphenol
Concen: 58.177 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 968603

Ion	Ratio	Lower	Upper
107	100		
108	112.4	90.6	135.8
77	48.0	37.7	56.5
79	47.7	37.2	55.8

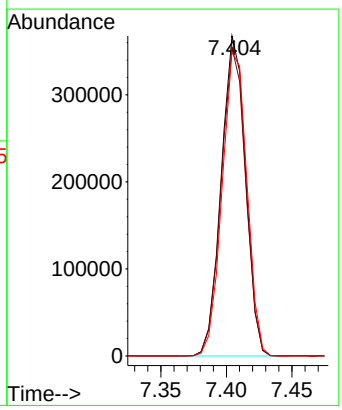


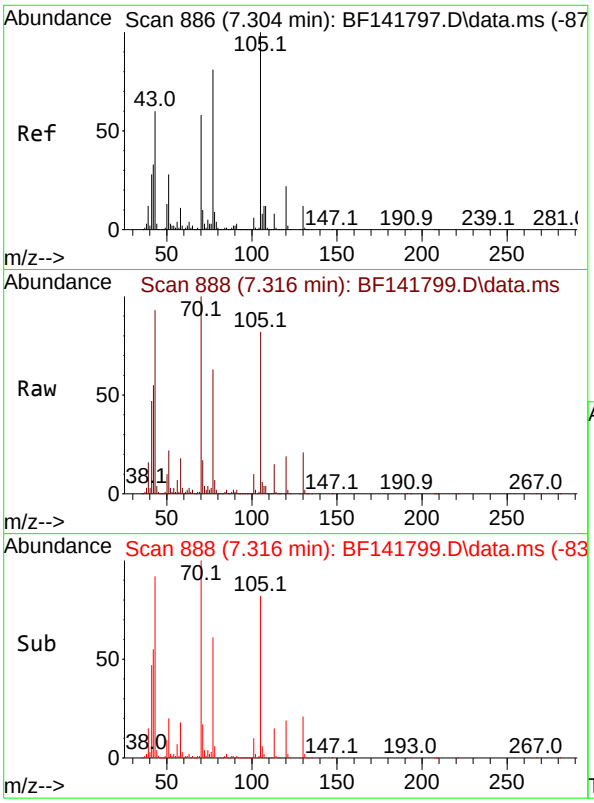


#18
Hexachloroethane
Concen: 58.163 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:117 Resp: 473809

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.8	113.8
201	95.0	76.7	115.1



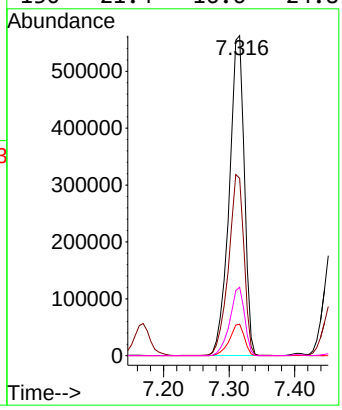


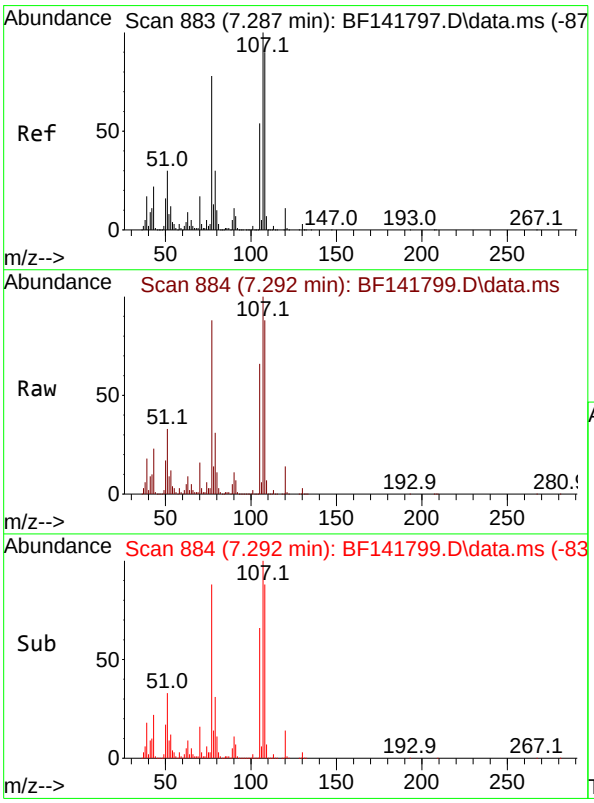
#19
n-Nitroso-di-n-propylamine
Concen: 56.387 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 899573

Ion	Ratio	Lower	Upper
70	100		
42	55.5	45.4	68.0
101	9.9	7.8	11.8
130	21.4	16.6	24.8

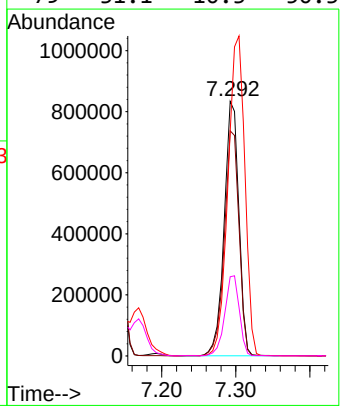


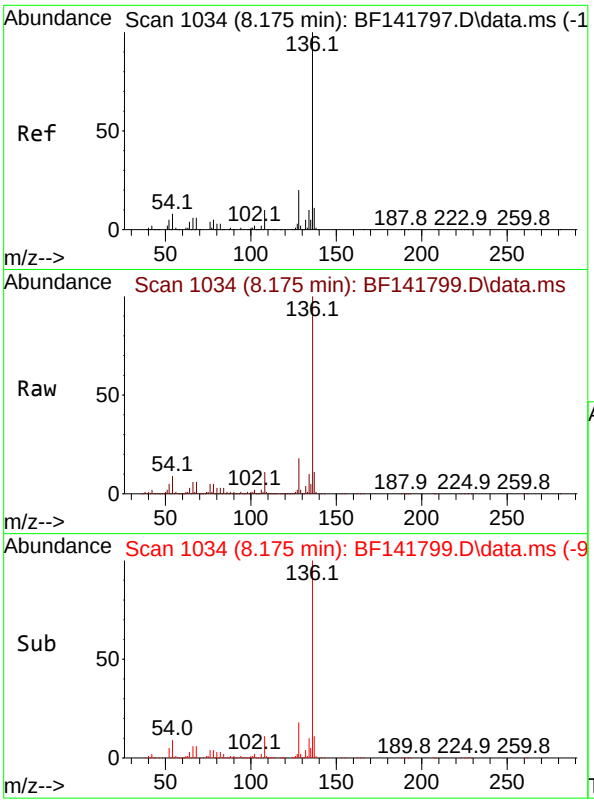


#20
3+4-Methylphenols
Concen: 55.188 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:107 Resp: 1144144

Ion	Ratio	Lower	Upper
107	100		
108	88.4	69.7	109.7
77	88.3	58.3	98.3
79	31.1	10.3	50.3



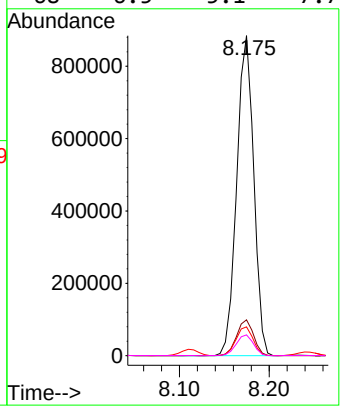


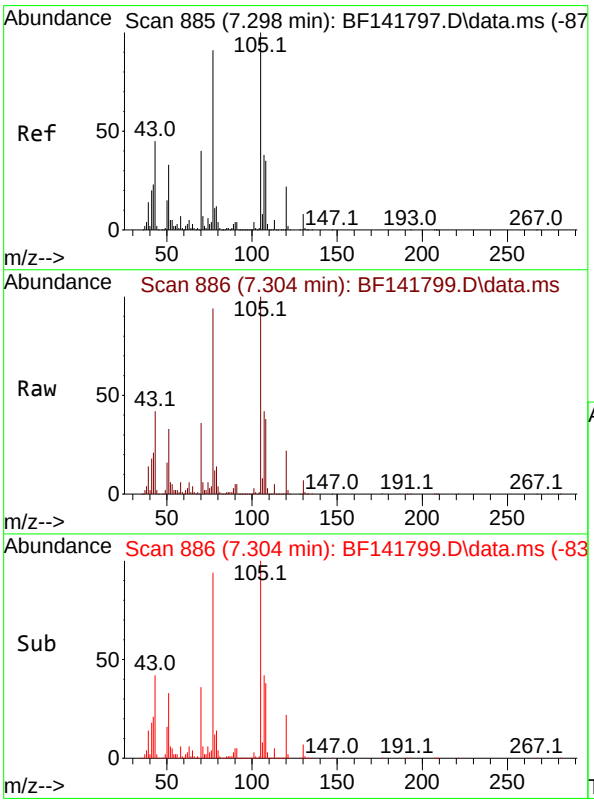
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 1163023

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.0	6.9	10.3
68	6.5	5.1	7.7

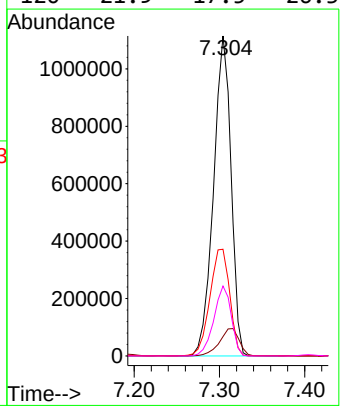


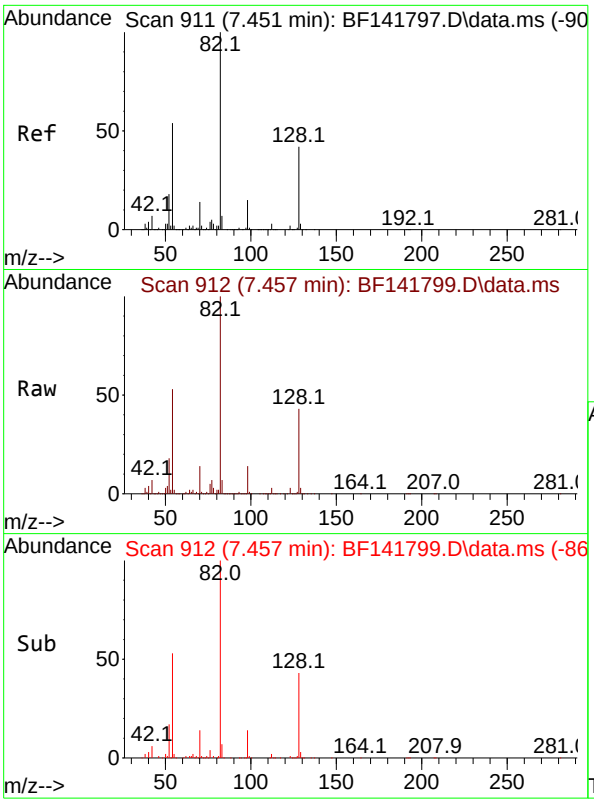


#22
Acetophenone
Concen: 56.070 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:105 Resp: 1588210

Ion	Ratio	Lower	Upper
105	100		
71	6.1	5.4	8.0
51	33.4	26.1	39.1
120	21.9	17.5	26.3



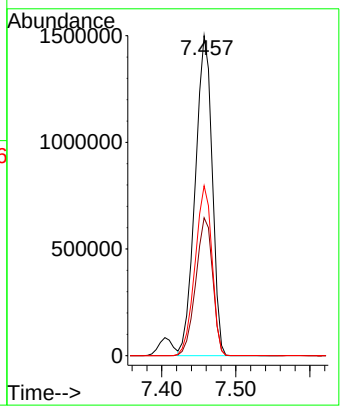


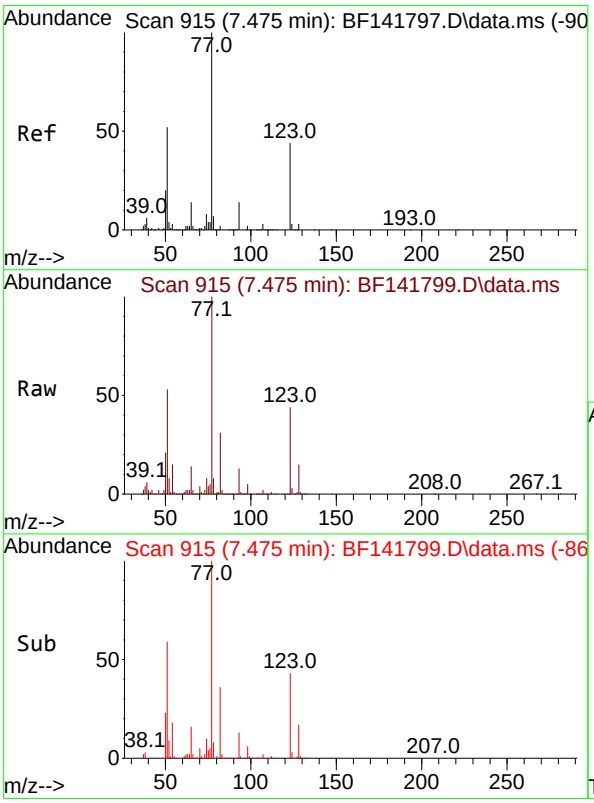
#23
Nitrobenzene-d5
Concen: 130.503 ng
RT: 7.457 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2374498

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.5	50.3
54	53.1	42.7	64.1

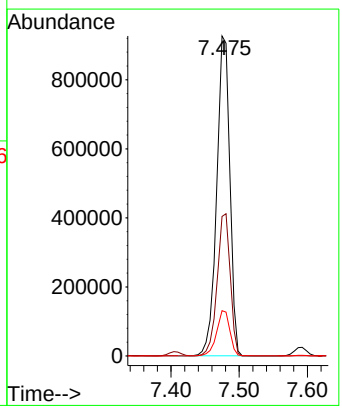


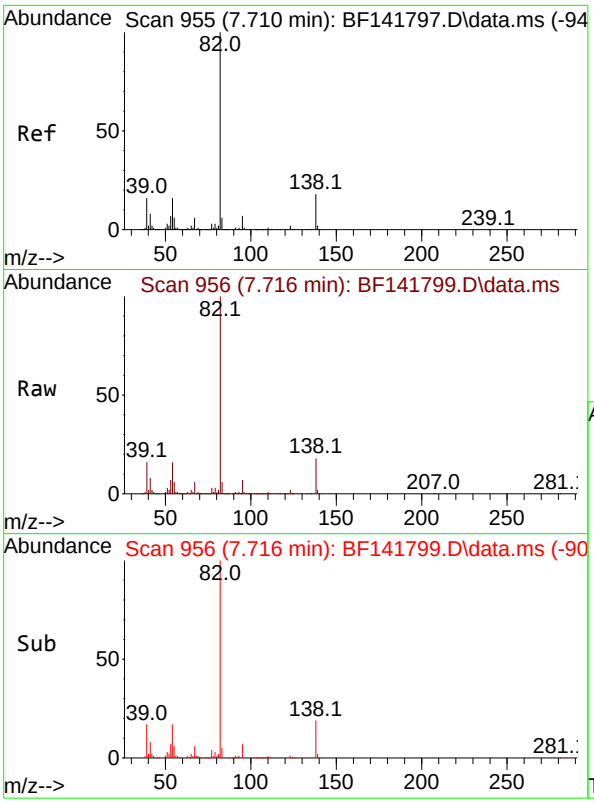


#24
Nitrobenzene
Concen: 63.867 ng
RT: 7.475 min Scan# 915
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 77 Resp: 1244392

Ion	Ratio	Lower	Upper
77	100		
123	43.6	35.8	53.8
65	14.2	11.2	16.8



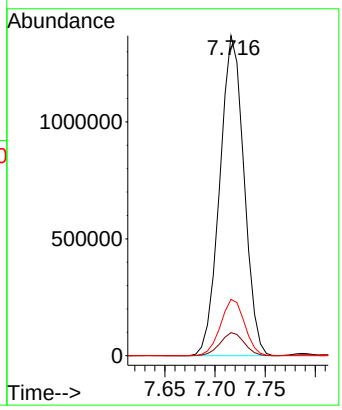


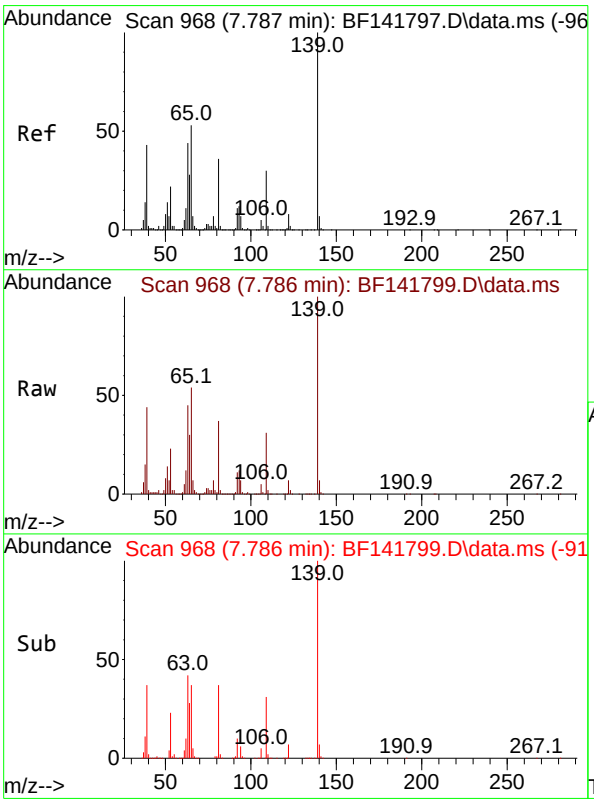
#25
Isophorone
Concen: 58.786 ng
RT: 7.716 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2297900

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.8
138	17.6	14.0	21.0

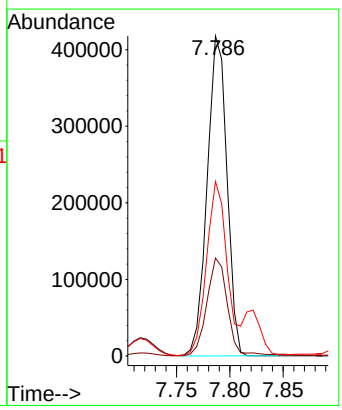


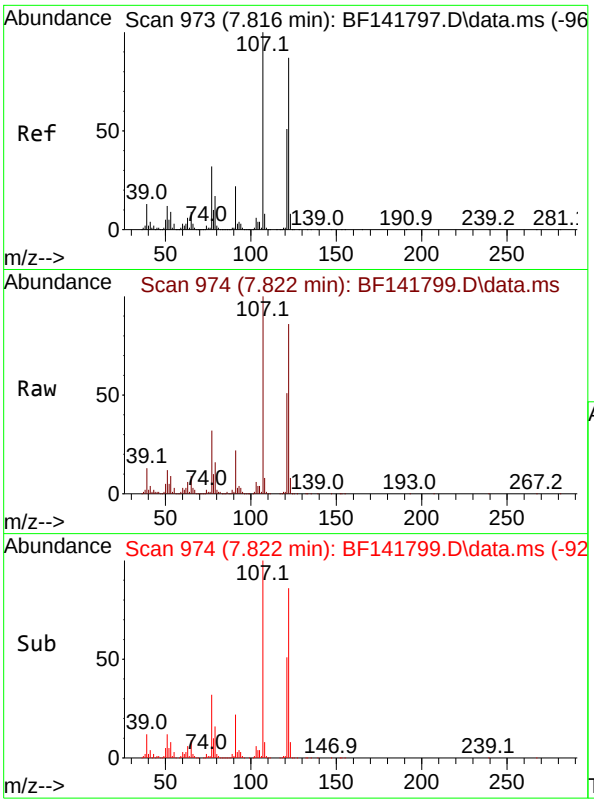


#26
2-Nitrophenol
Concen: 60.712 ng
RT: 7.786 min Scan# 968
Delta R.T. -0.001 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:139 Resp: 540018

Ion	Ratio	Lower	Upper
139	100		
109	30.6	24.1	36.1
65	54.5	42.3	63.5



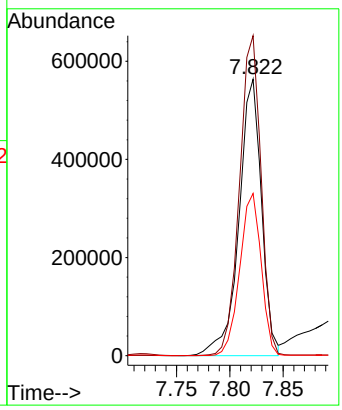


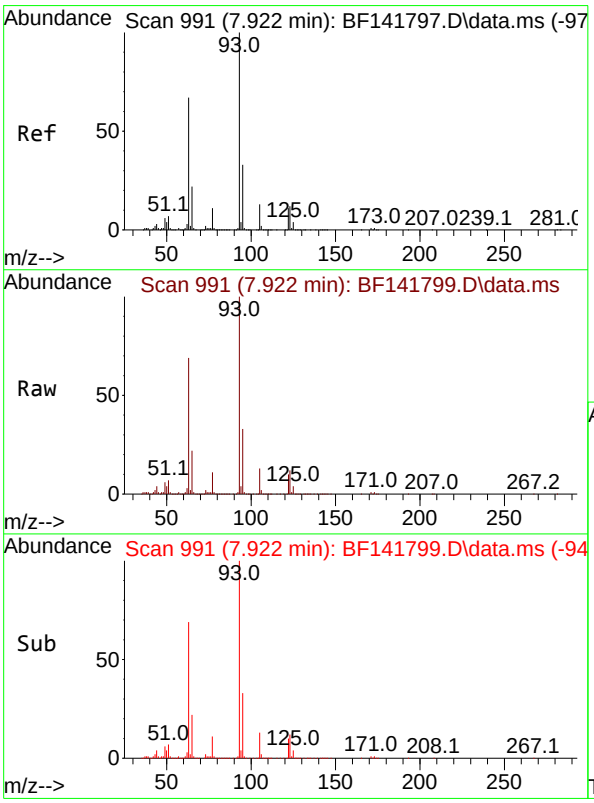
#27
2,4-Dimethylphenol
Concen: 57.912 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 832135

Ion	Ratio	Lower	Upper
122	100		
107	115.7	92.5	138.7
121	58.7	47.1	70.7

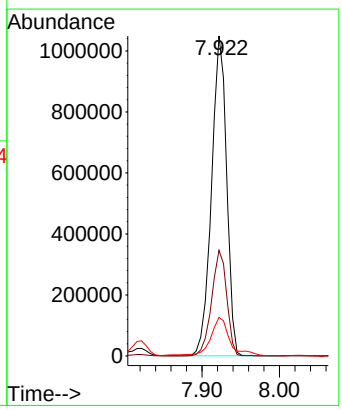


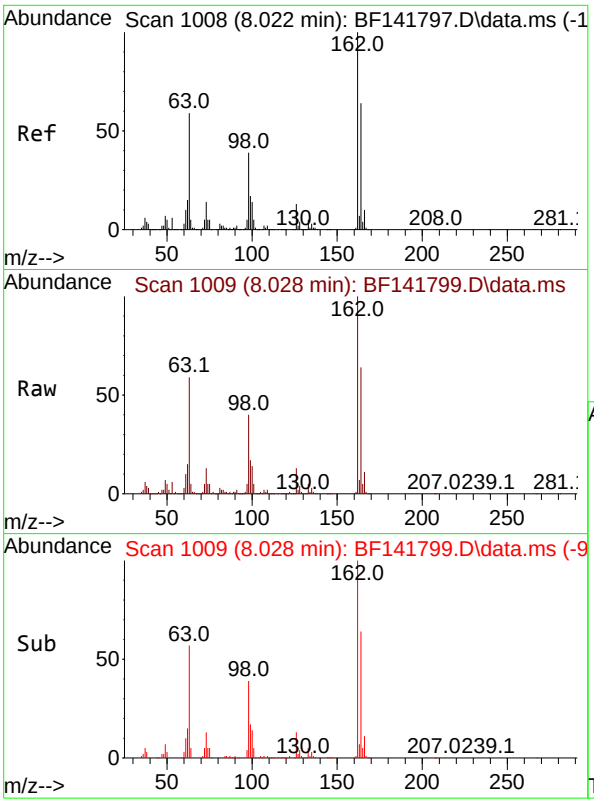


#28
bis(2-Chloroethoxy)methane
Concen: 57.094 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 93 Resp: 1423641

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.5	39.7
123	12.1	10.0	15.0



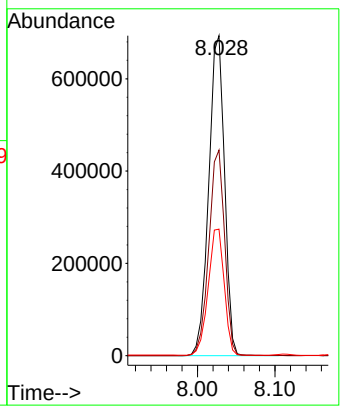


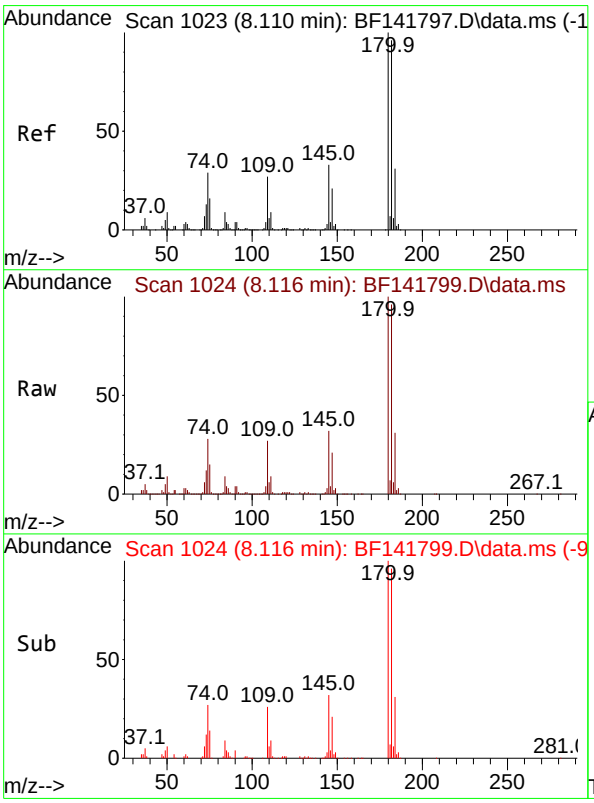
#29
2,4-Dichlorophenol
Concen: 59.211 ng
RT: 8.028 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 981508

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.3	84.3
98	39.5	19.6	59.6

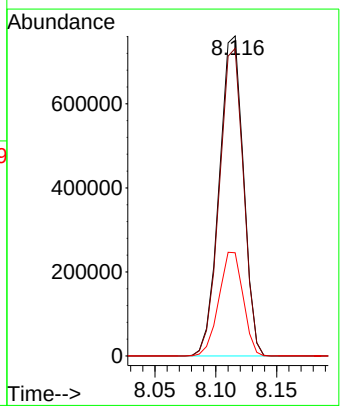


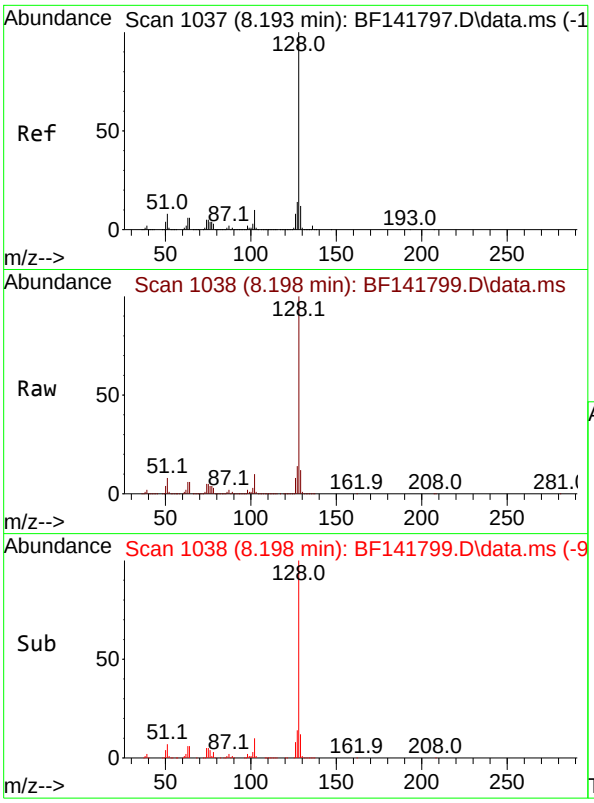


#30
1,2,4-Trichlorobenzene
Concen: 57.885 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:180 Resp: 1051434

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.8	115.2
145	32.2	26.4	39.6



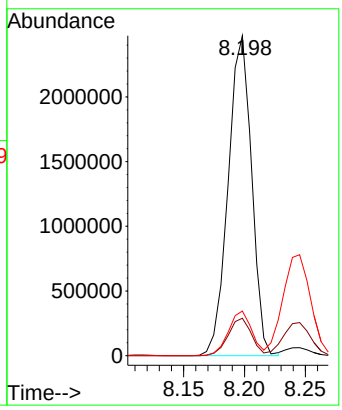


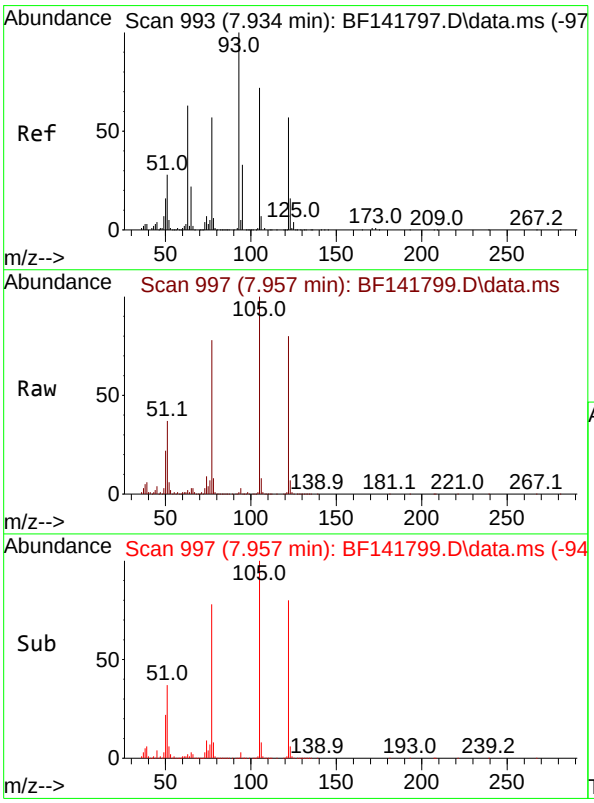
#31
Naphthalene
Concen: 55.427 ng
RT: 8.198 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 3313144

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.2	13.8
127	13.9	11.0	16.4

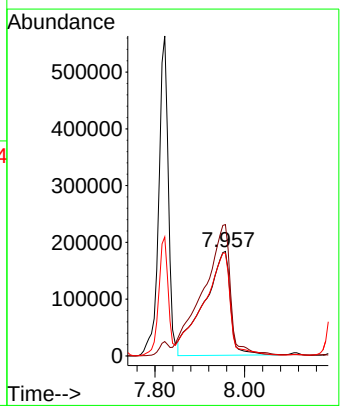


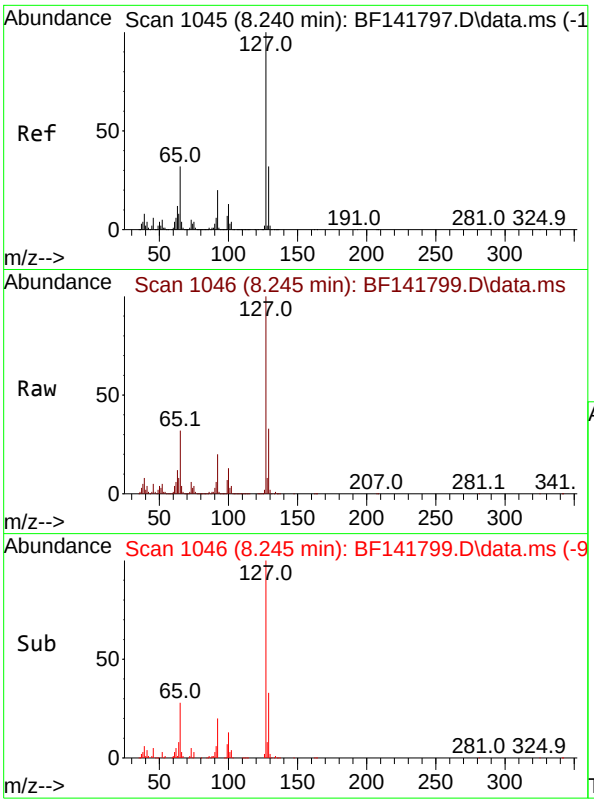


#32
Benzoic acid
Concen: 60.158 ng
RT: 7.957 min Scan# 997
Delta R.T. 0.023 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:122 Resp: 749284

Ion	Ratio	Lower	Upper
122	100		
105	125.7	105.8	145.8
77	98.5	79.9	119.9



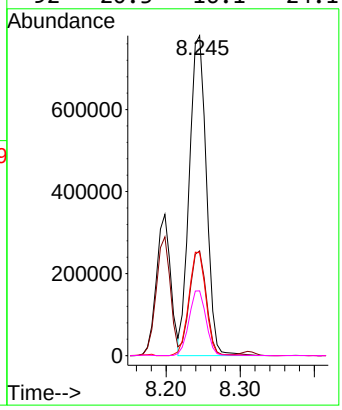


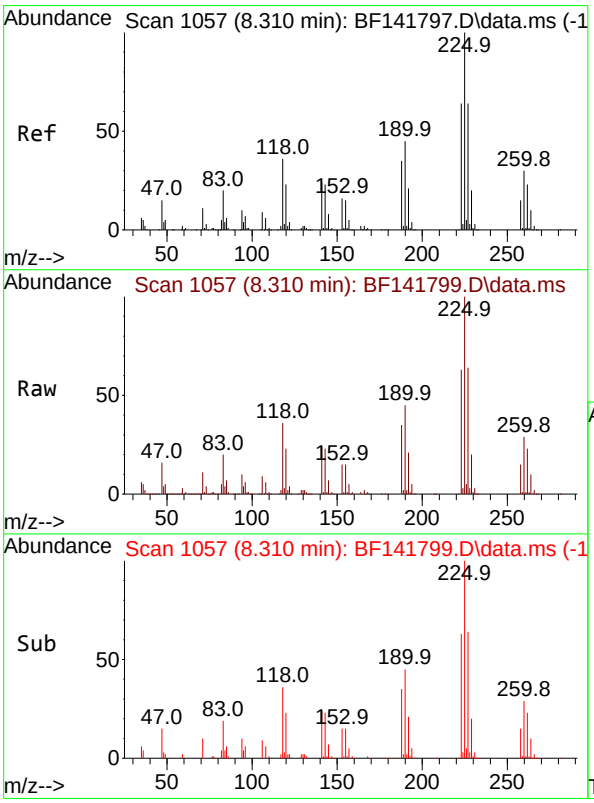
#33
4-Chloroaniline
Concen: 56.723 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 1243216

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.1	39.1
65	32.2	25.7	38.5
92	20.3	16.1	24.1

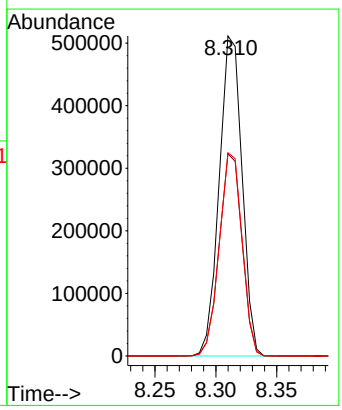


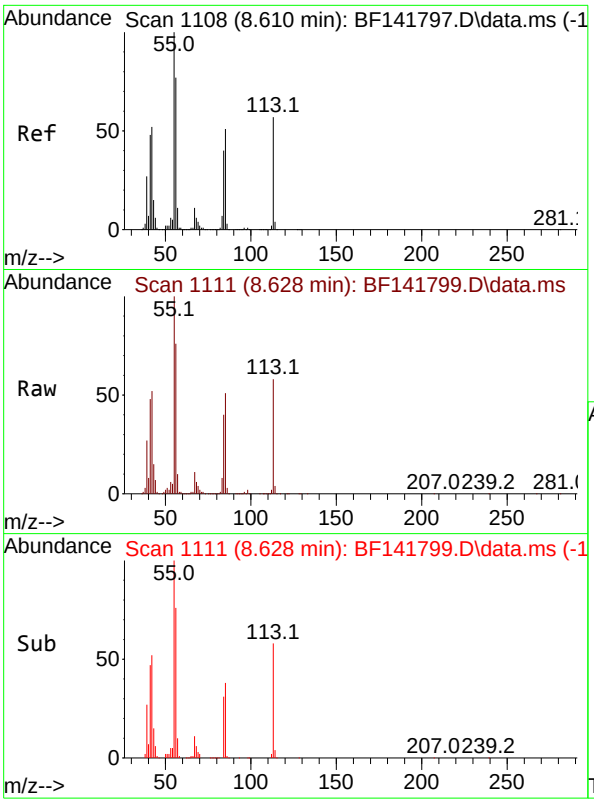


#34
Hexachlorobutadiene
Concen: 59.082 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:225 Resp: 666891

Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.4	77.2
227	63.5	51.6	77.4



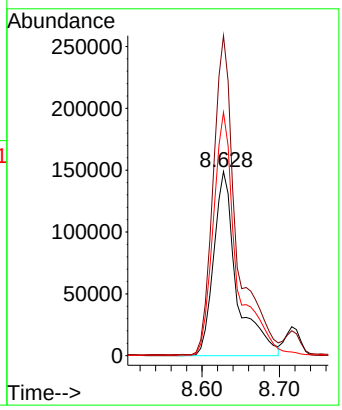


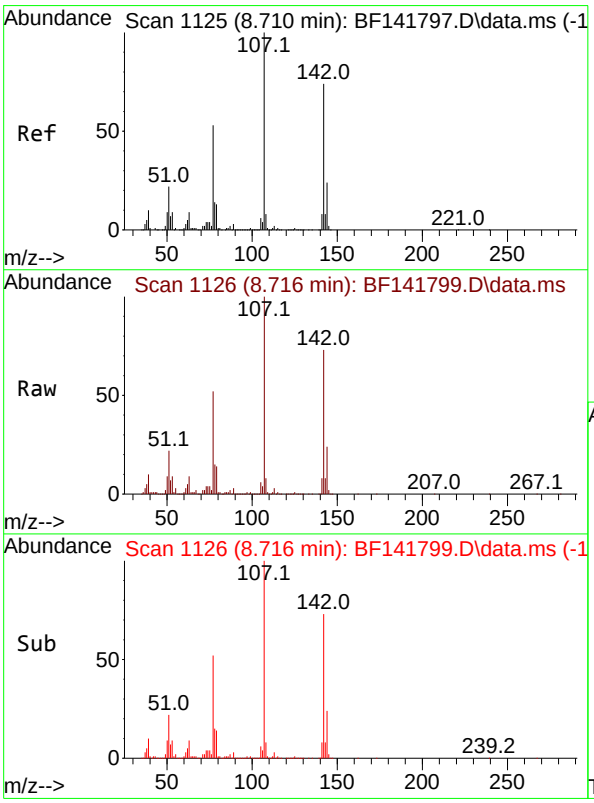
#35
Caprolactam
Concen: 60.671 ng
RT: 8.628 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 309453

Ion	Ratio	Lower	Upper
113	100		
55	173.8	155.6	195.6
56	132.2	114.6	154.6

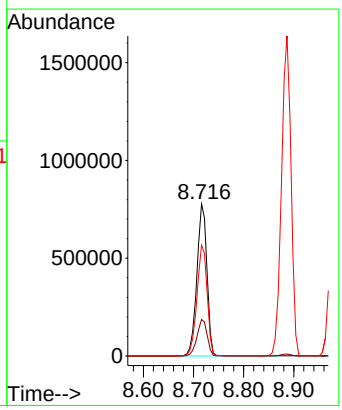


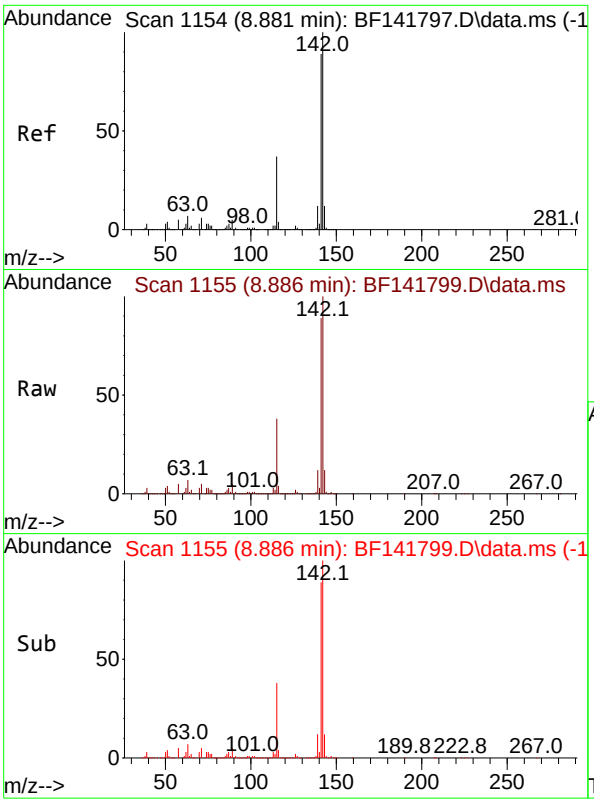


#36
4-Chloro-3-methylphenol
Concen: 58.783 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:107 Resp: 1082457

Ion	Ratio	Lower	Upper
107	100		
144	24.0	19.4	29.0
142	73.0	59.4	89.0



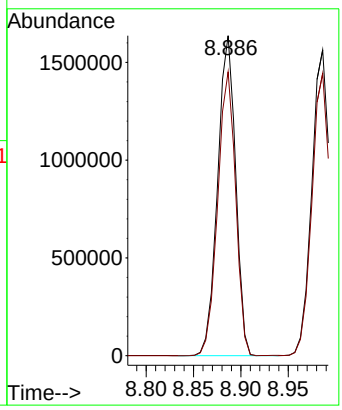


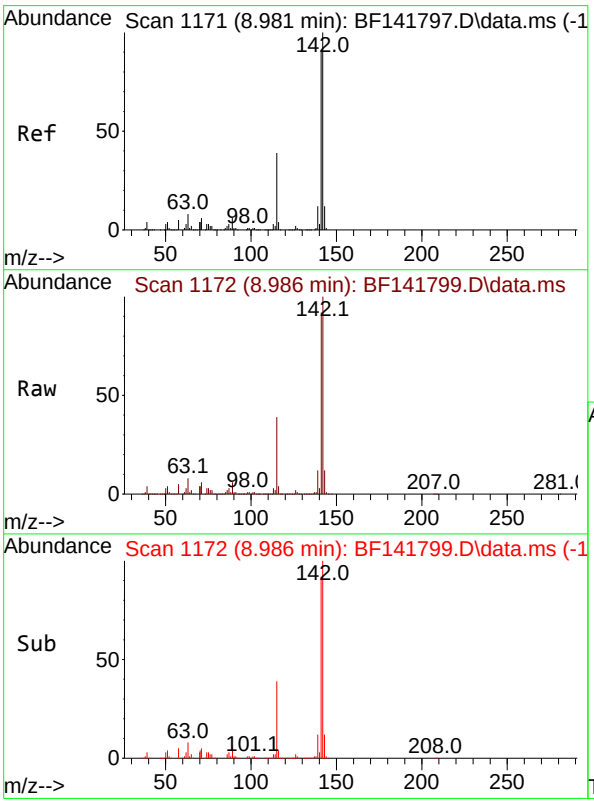
#37
2-Methylnaphthalene
Concen: 55.115 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 2160902

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.1	106.7

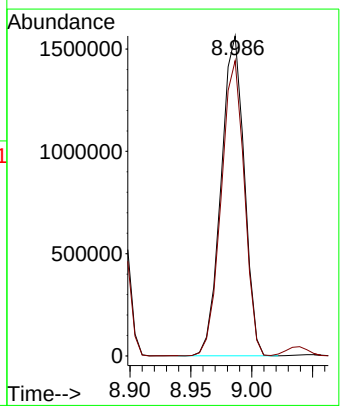


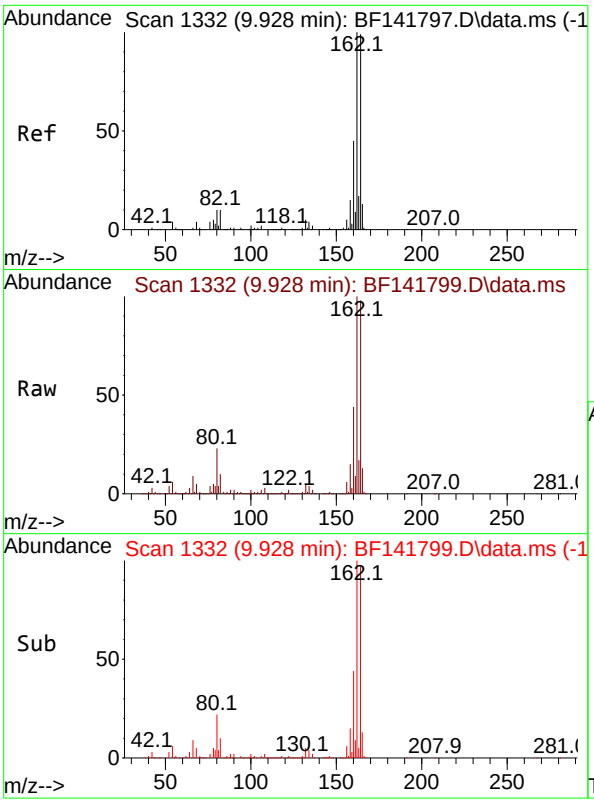


#38
1-Methylnaphthalene
Concen: 55.054 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:142 Resp: 2071154

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7



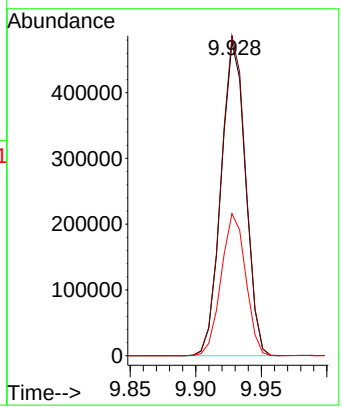


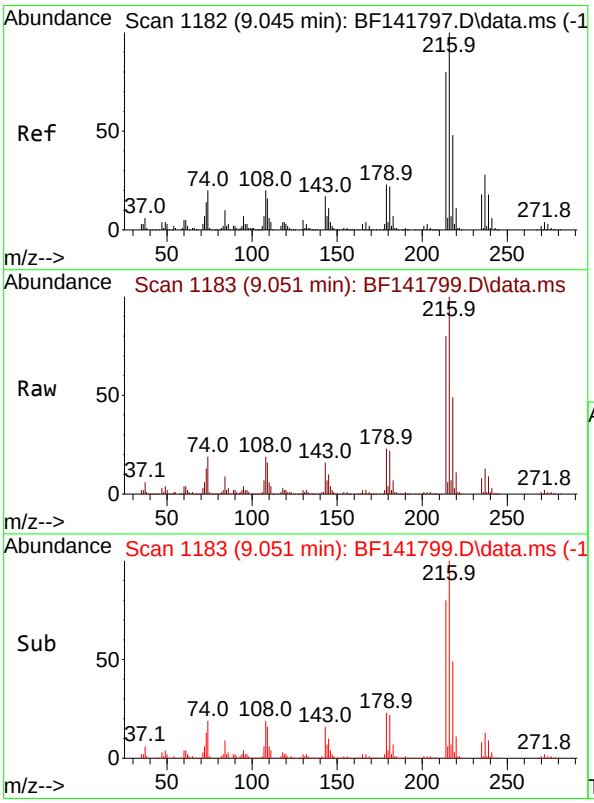
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 617087

Ion	Ratio	Lower	Upper
164	100		
162	102.0	80.6	120.8
160	45.3	36.3	54.5

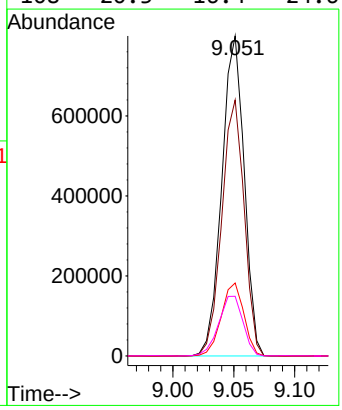


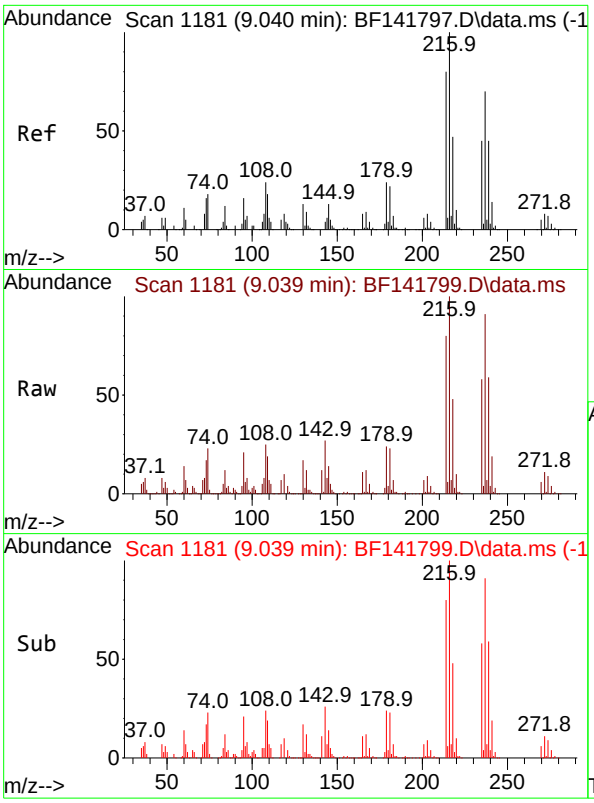


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.477 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:216 Resp: 1024373

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.5	95.3
179	23.0	18.1	27.1
108	20.3	16.4	24.6



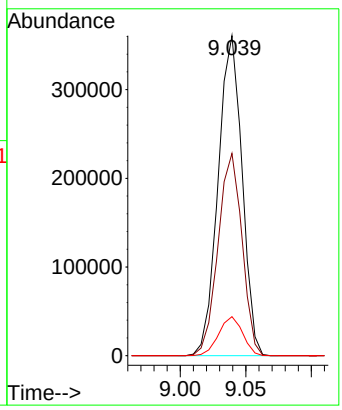


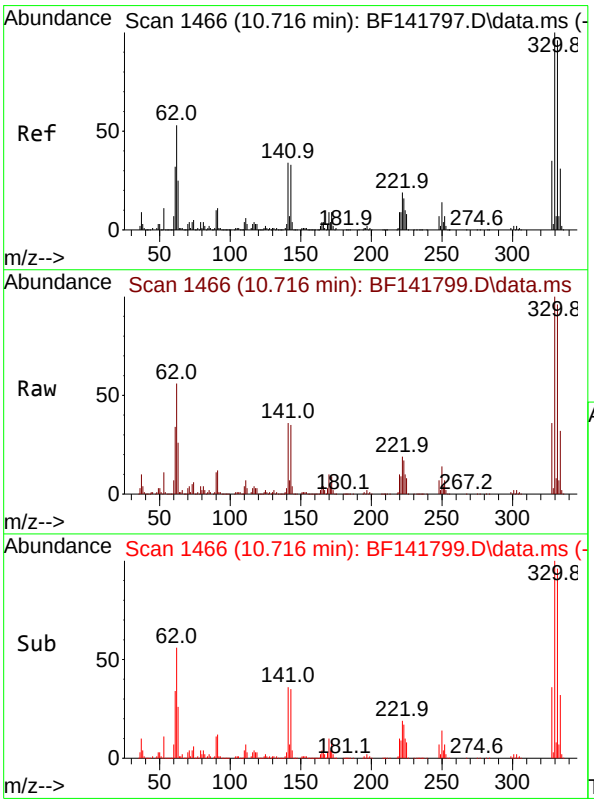
#41
Hexachlorocyclopentadiene
Concen: 61.586 ng
RT: 9.039 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 458054

Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.3	83.3
272	12.2	0.0	31.9

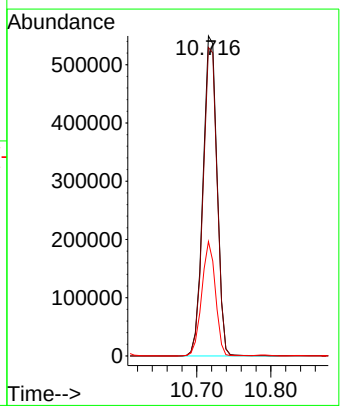


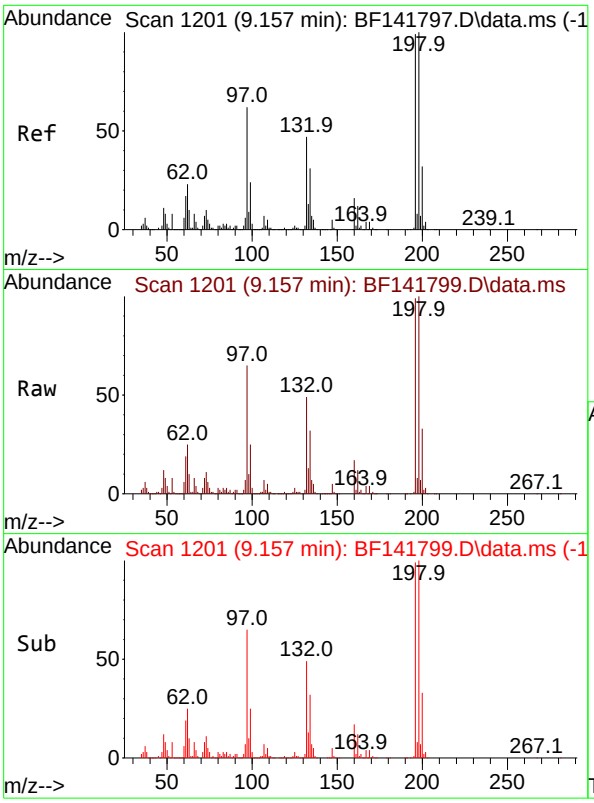


#42
2,4,6-Tribromophenol
Concen: 125.191 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:330 Resp: 725271

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	115.0
141	34.9	29.0	43.4



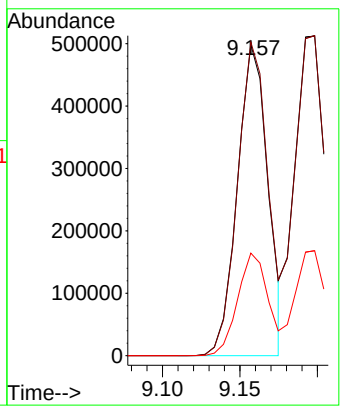


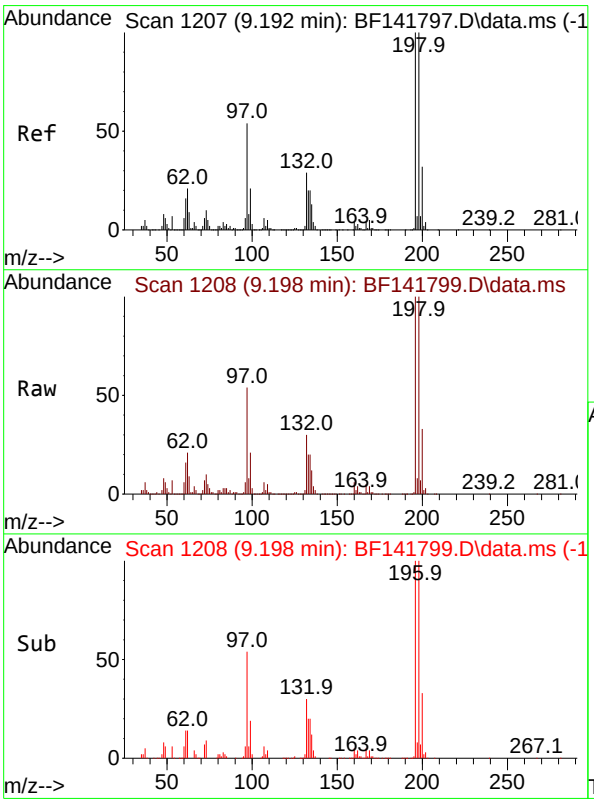
#43
2,4,6-Trichlorophenol
Concen: 59.220 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 681760

Ion	Ratio	Lower	Upper
196	100		
198	100.8	80.4	120.6
200	33.0	25.7	38.5

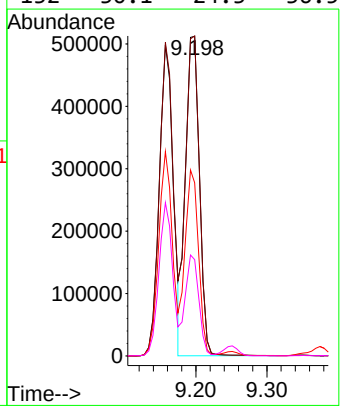


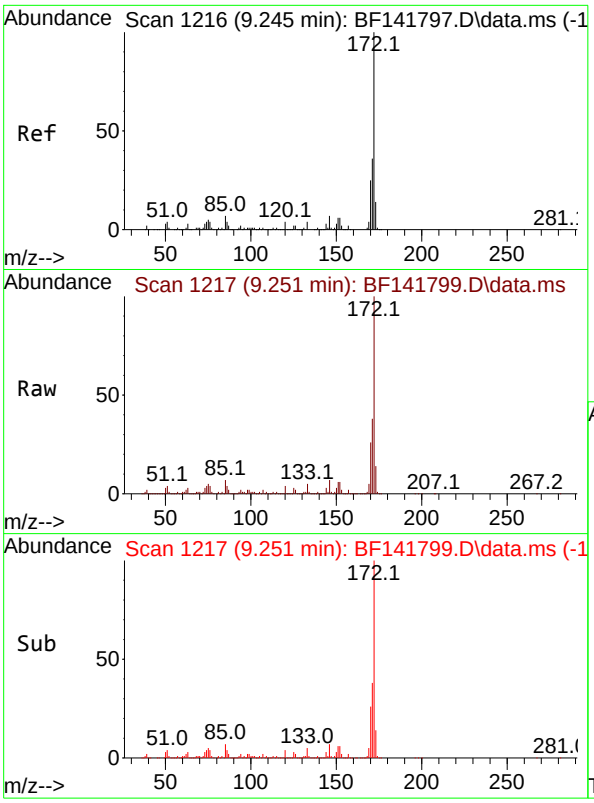


#44
2,4,5-Trichlorophenol
Concen: 61.725 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:196 Resp: 703662

Ion	Ratio	Lower	Upper
196	100		
198	100.1	79.7	119.5
97	54.1	44.2	66.2
132	30.1	24.3	36.5



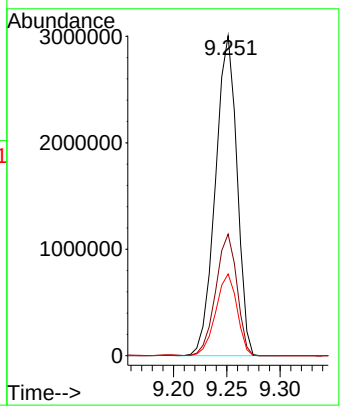


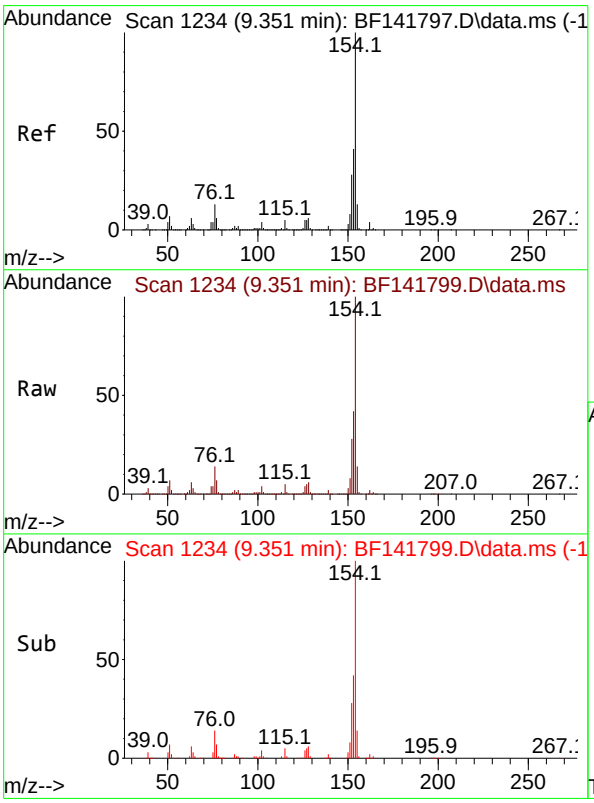
#45
2-Fluorobiphenyl
Concen: 109.742 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 4223426

Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.2	43.8
170	25.5	19.7	29.5

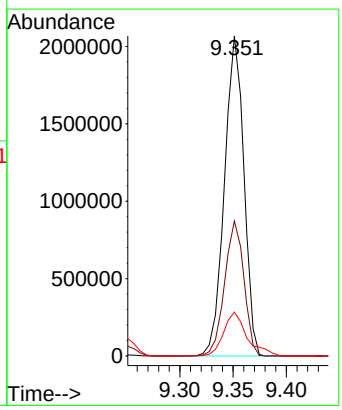


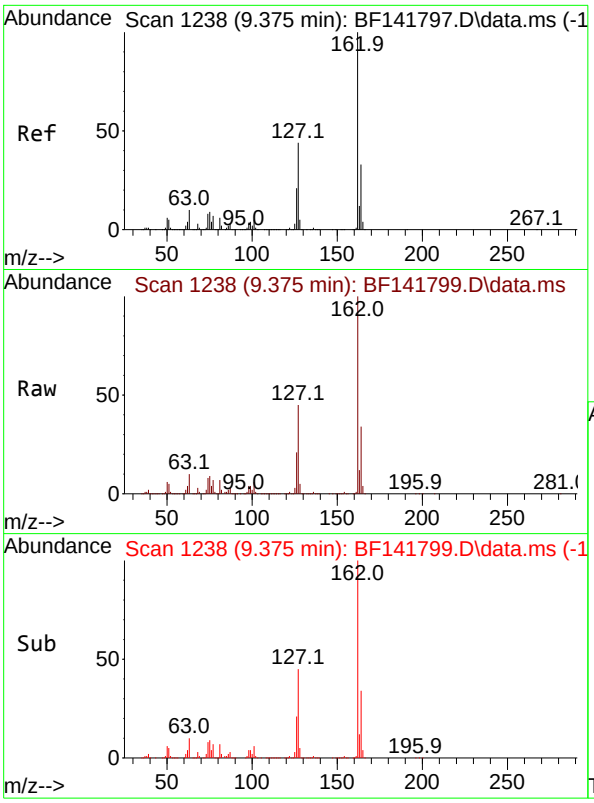


#46
1,1'-Biphenyl
Concen: 55.911 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:154 Resp: 2626139

Ion	Ratio	Lower	Upper
154	100		
153	42.2	21.4	61.4
76	13.7	0.0	33.4



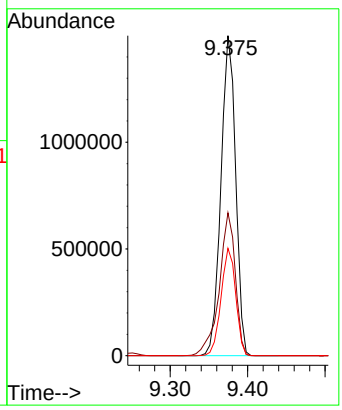


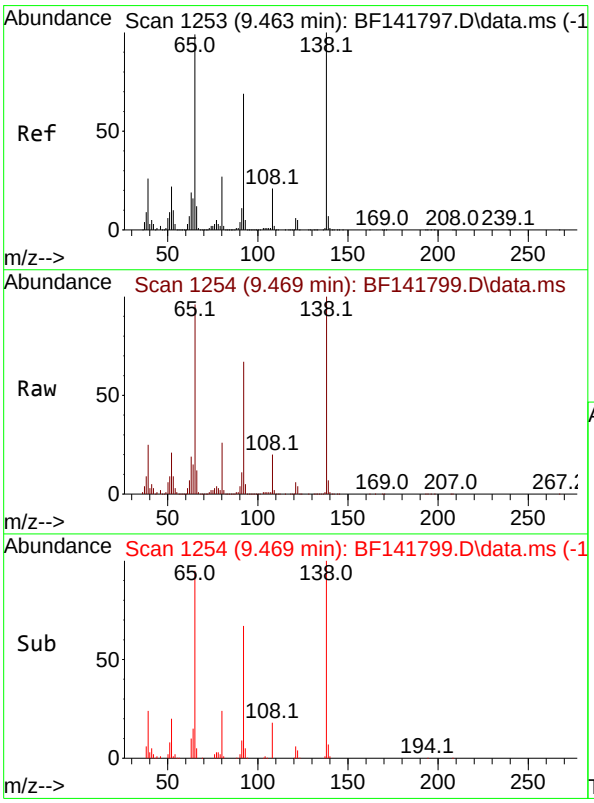
#47
2-Chloronaphthalene
Concen: 57.187 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1982513

Ion	Ratio	Lower	Upper
162	100		
127	44.6	35.0	52.6
164	33.5	26.6	40.0

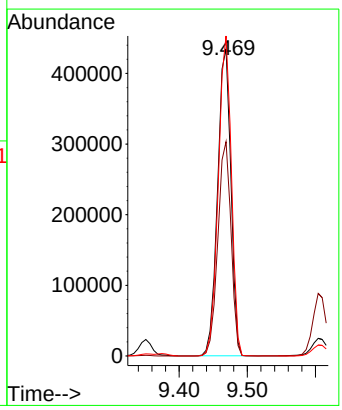


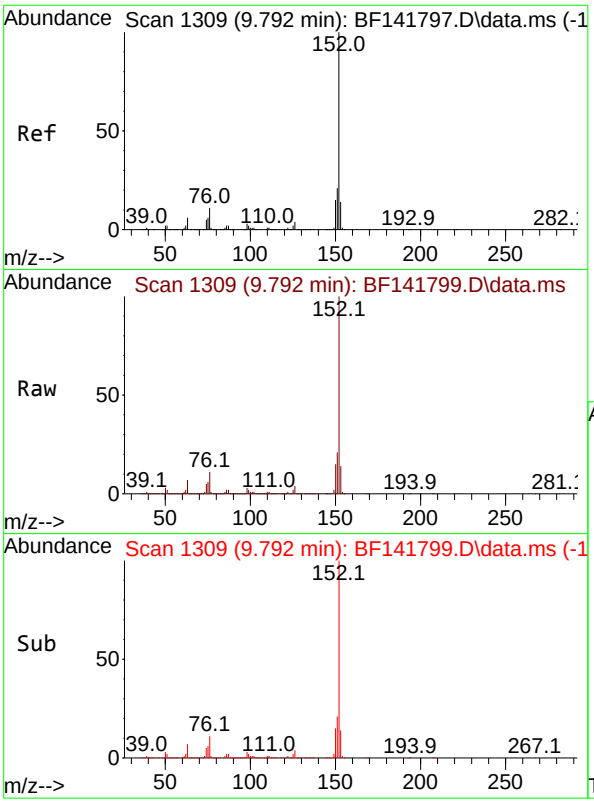


#48
2-Nitroaniline
Concen: 60.902 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion: 65 Resp: 590092

Ion	Ratio	Lower	Upper
65	100		
92	69.8	55.7	83.5
138	104.2	80.6	121.0



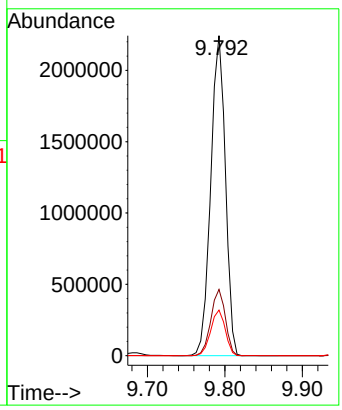


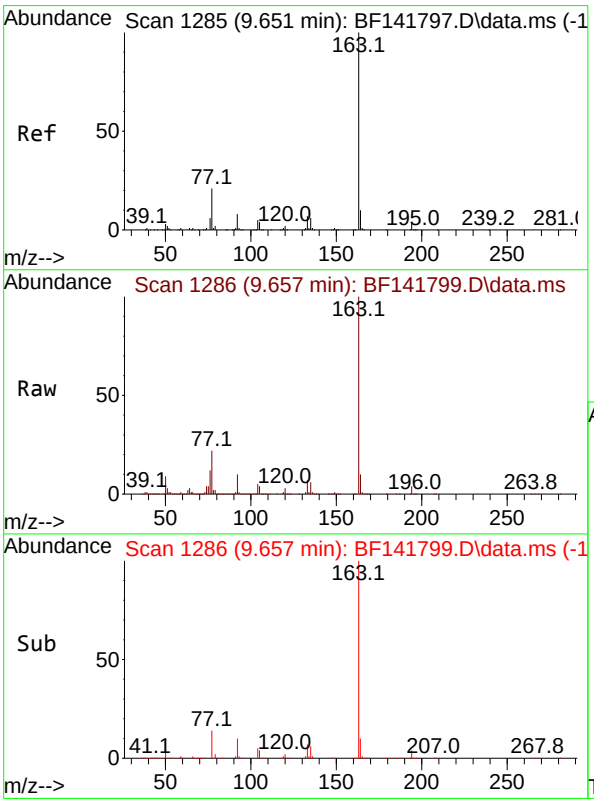
#49
Acenaphthylene
Concen: 56.845 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 2954653

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.6	24.8
153	14.3	11.2	16.8

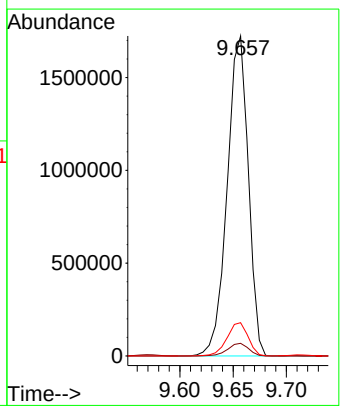


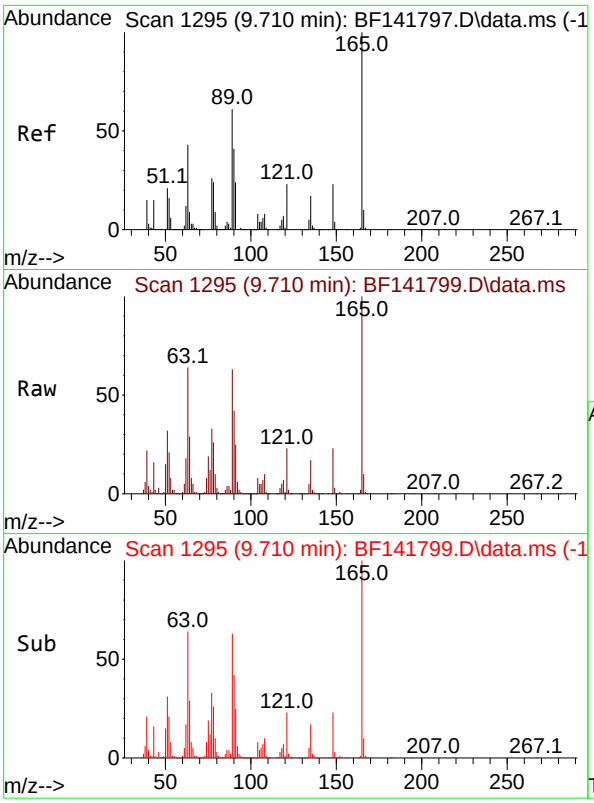


#50
Dimethylphthalate
Concen: 57.581 ng
RT: 9.657 min Scan# 1286
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:163 Resp: 2379542

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.4	8.4	12.6



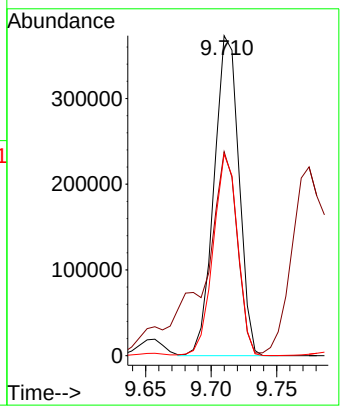


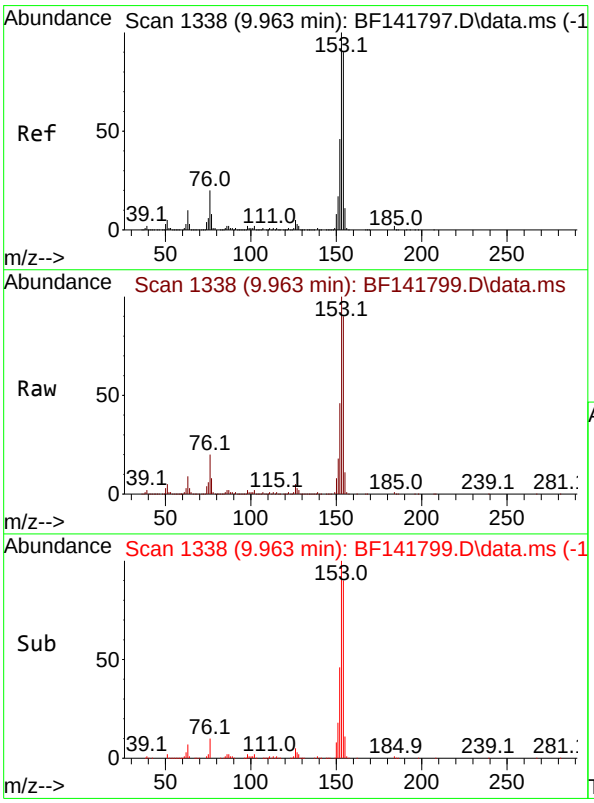
#51
2,6-Dinitrotoluene
Concen: 61.325 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 491402

Ion	Ratio	Lower	Upper
165	100		
63	63.8	49.5	74.3
89	63.0	49.0	73.4

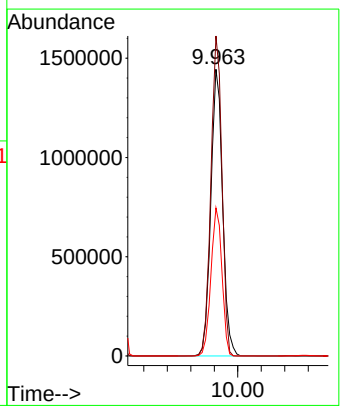


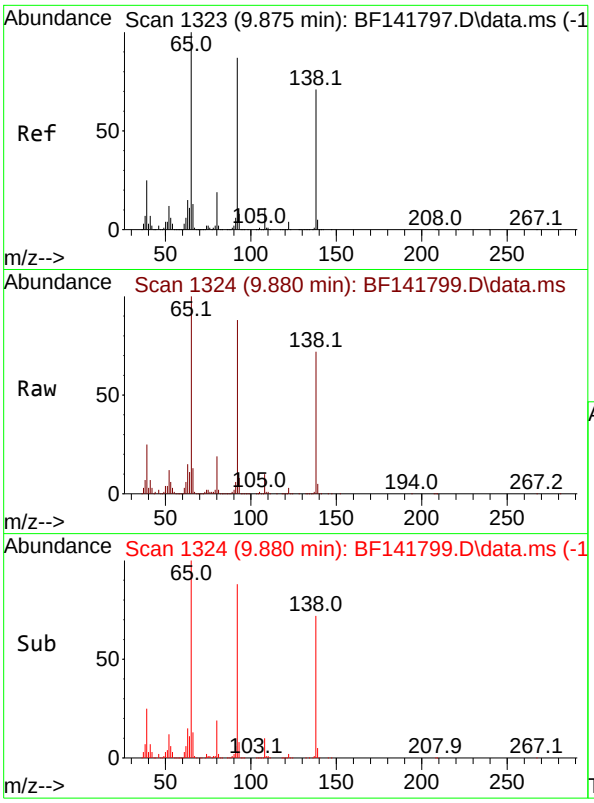


#52
Acenaphthene
Concen: 57.211 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:154 Resp: 2006502

Ion	Ratio	Lower	Upper
154	100		
153	111.6	88.7	133.1
152	51.6	40.9	61.3



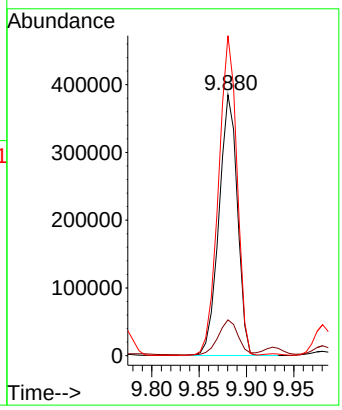


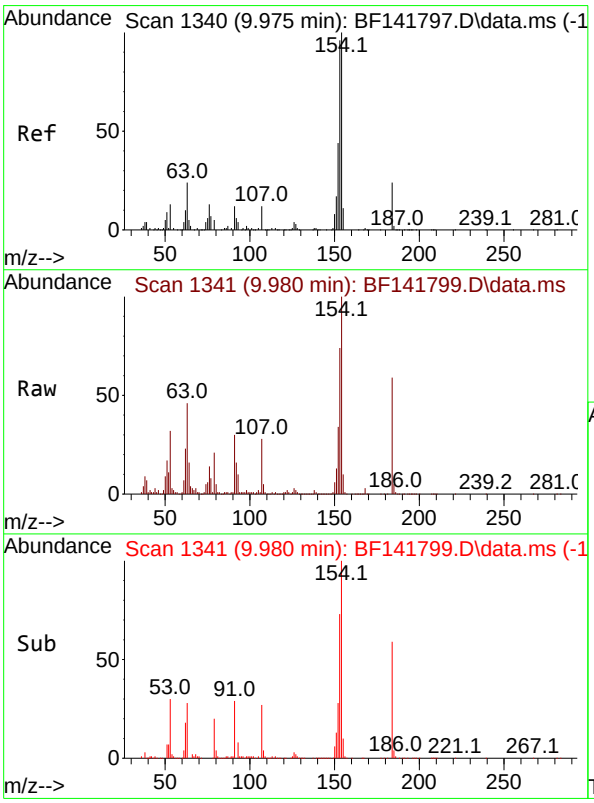
#53
3-Nitroaniline
Concen: 61.078 ng
RT: 9.880 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 521575

Ion	Ratio	Lower	Upper
138	100		
108	13.7	12.7	19.1
92	122.7	97.9	146.9

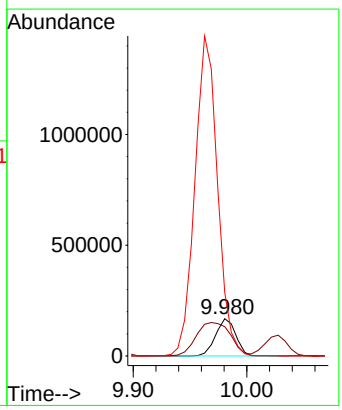


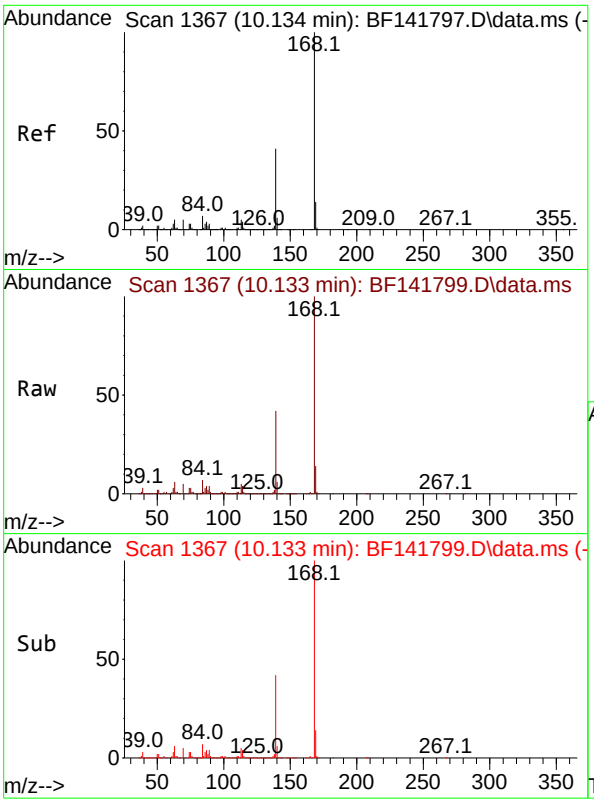


#54
2,4-Dinitrophenol
Concen: 62.312 ng
RT: 9.980 min Scan# 1341
Delta R.T. 0.005 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:184 Resp: 207307

Ion	Ratio	Lower	Upper
184	100		
63	78.8	79.0	118.6#
154	169.7	335.8	503.8#



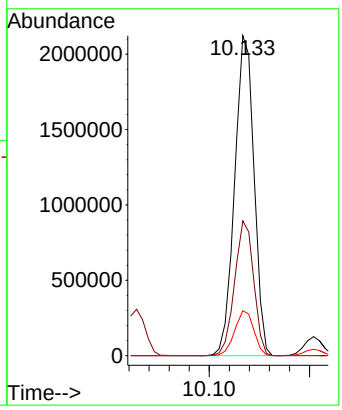


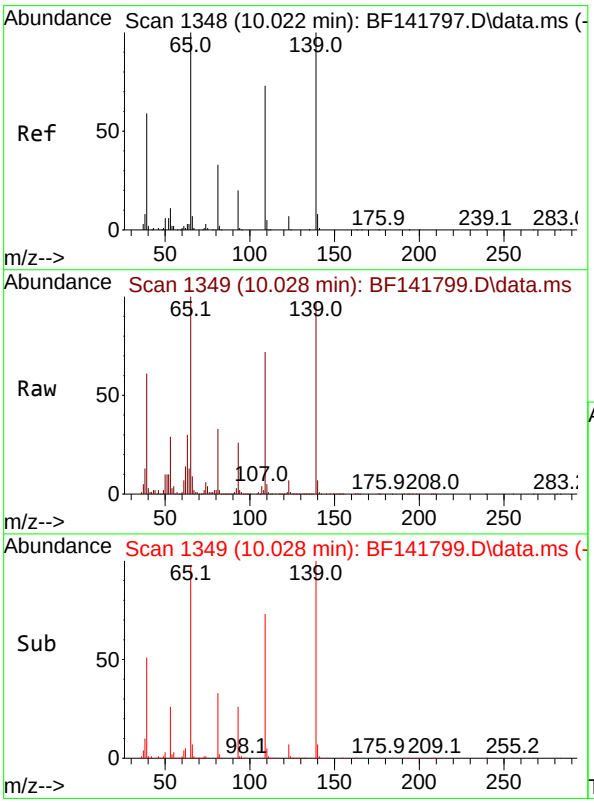
#55
Dibenzofuran
Concen: 55.911 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 2854091

Ion	Ratio	Lower	Upper
168	100		
139	42.1	32.9	49.3
169	14.1	11.1	16.7

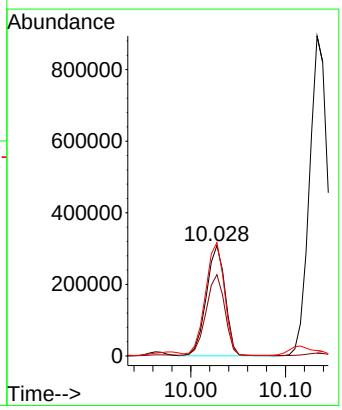


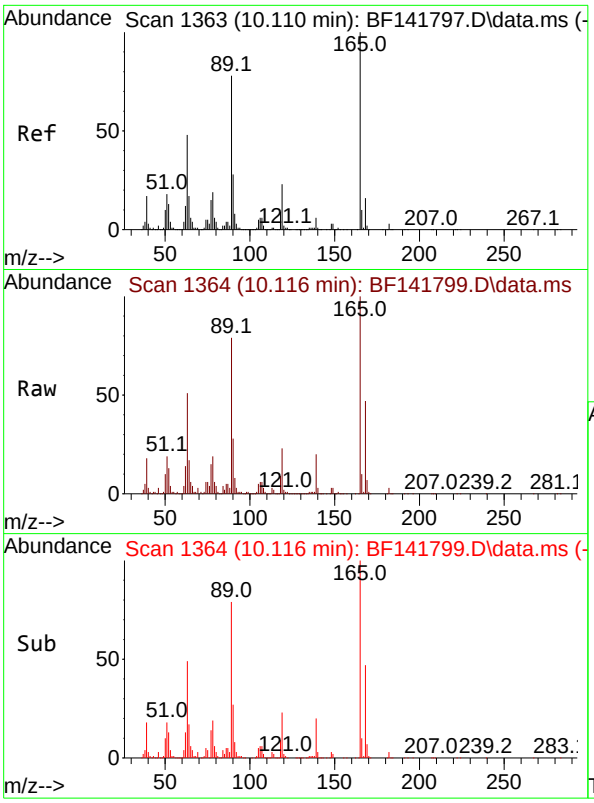


#56
4-Nitrophenol
Concen: 69.564 ng
RT: 10.028 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:139 Resp: 424581

Ion	Ratio	Lower	Upper
139	100		
109	73.6	53.4	93.4
65	102.7	82.1	122.1



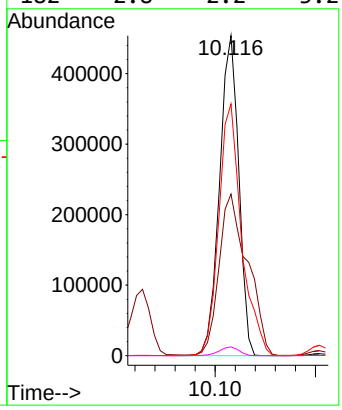


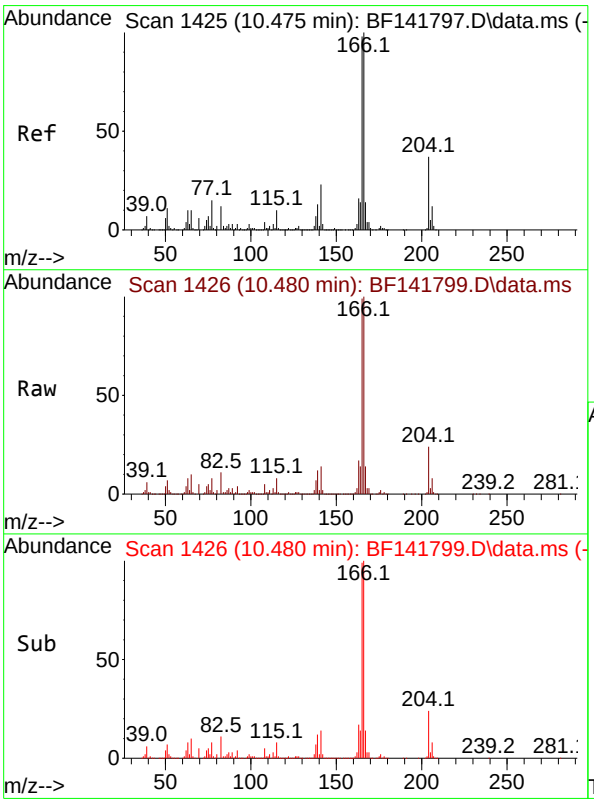
#57
2,4-Dinitrotoluene
Concen: 61.246 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 601539

Ion	Ratio	Lower	Upper
165	100		
63	50.5	38.8	58.2
89	78.7	62.6	94.0
182	2.8	2.2	3.2

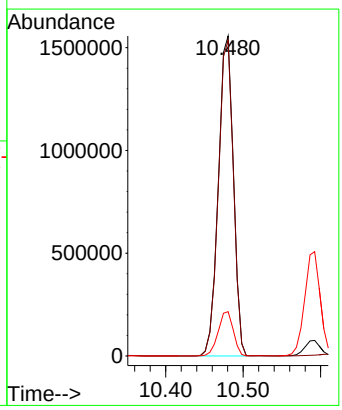


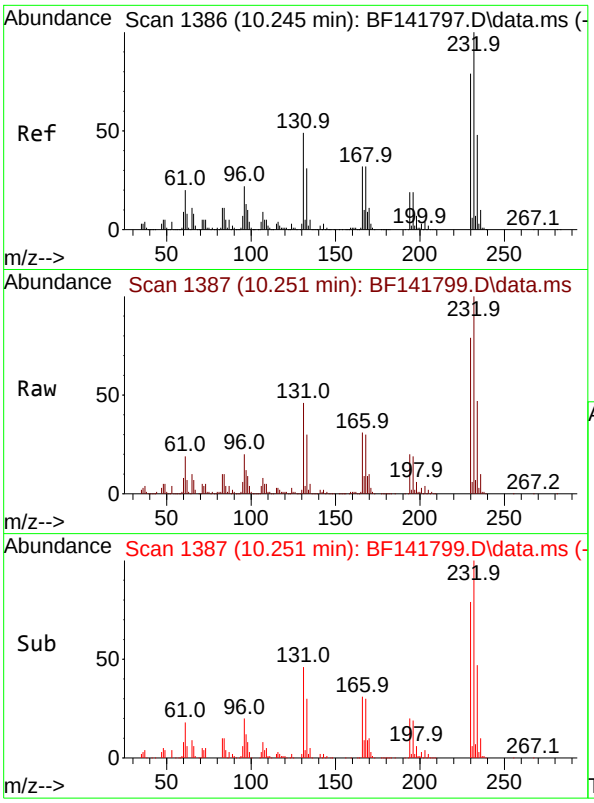


#58
Fluorene
Concen: 54.917 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:166 Resp: 2099887

Ion	Ratio	Lower	Upper
166	100		
165	98.7	78.6	117.8
167	13.9	11.0	16.4



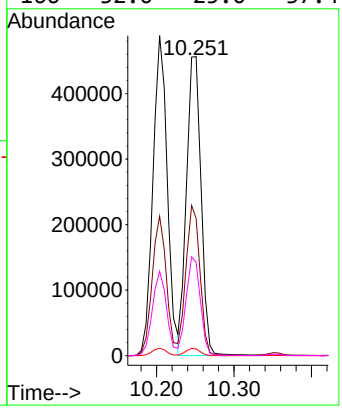


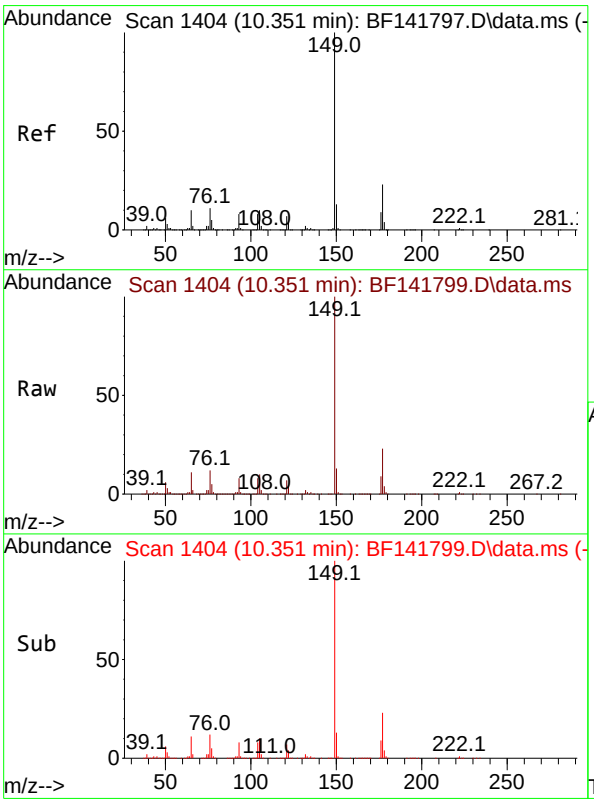
#59
2,3,4,6-Tetrachlorophenol
Concen: 60.159 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 596455

Ion	Ratio	Lower	Upper
232	100		
131	47.9	37.8	56.8
130	2.4	2.0	3.0
166	32.0	25.0	37.4

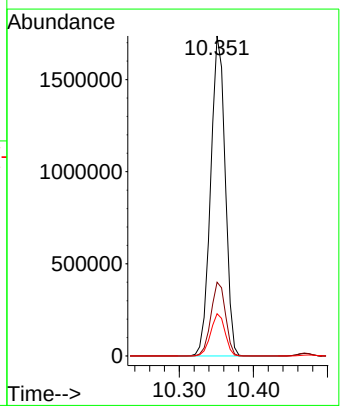


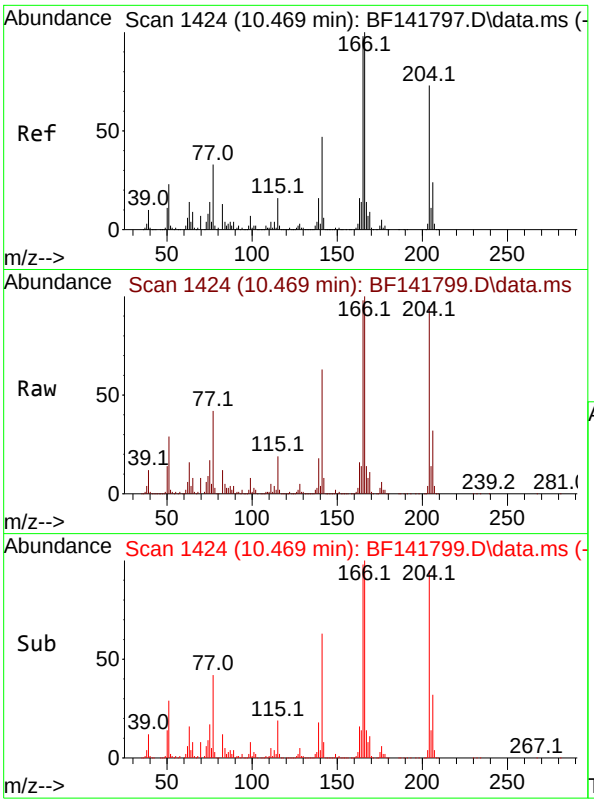


#60
Diethylphthalate
Concen: 56.972 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:149 Resp: 2360216

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.3	27.5
150	13.2	10.3	15.5



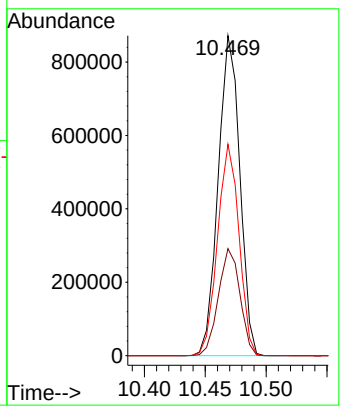


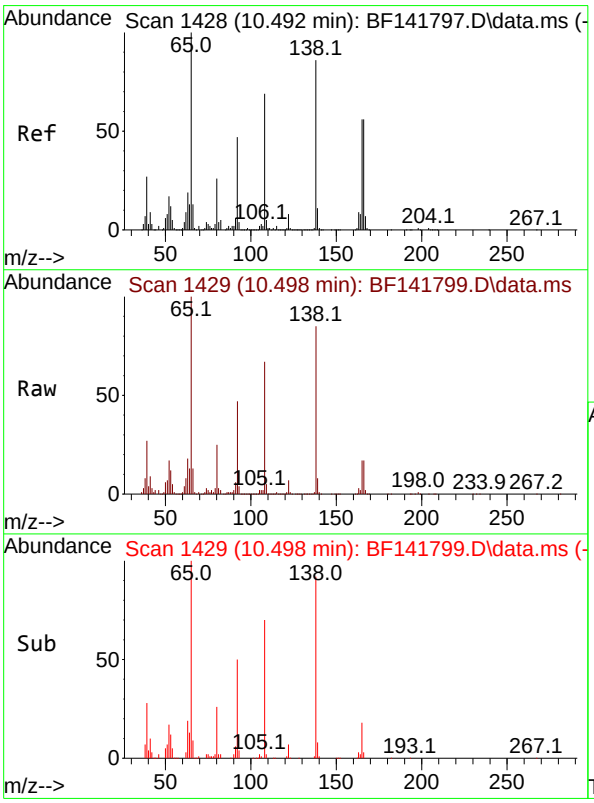
#61
4-Chlorophenyl-phenylether
Concen: 56.324 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 1079059

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.2	39.4
141	66.0	51.7	77.5

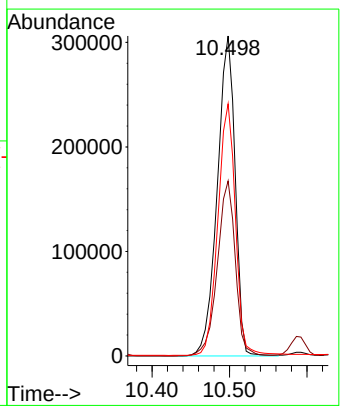


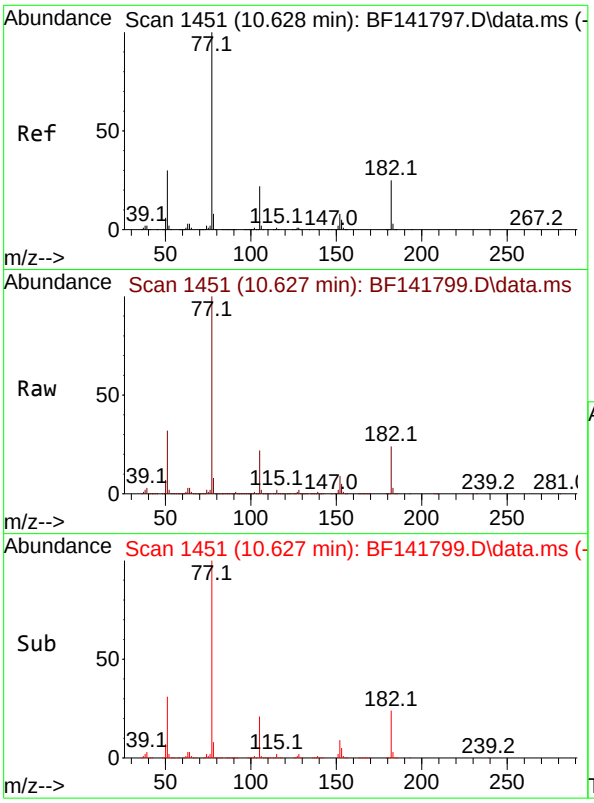


#62
4-Nitroaniline
Concen: 69.546 ng
RT: 10.498 min Scan# 1429
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:138 Resp: 490806

Ion	Ratio	Lower	Upper
138	100		
92	54.7	34.9	74.9
108	78.8	59.6	99.6



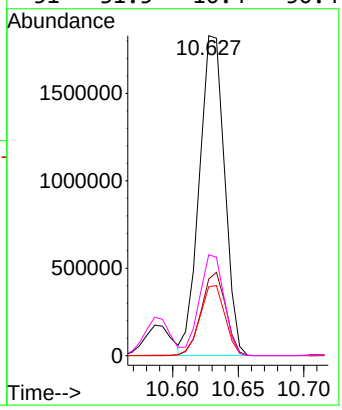


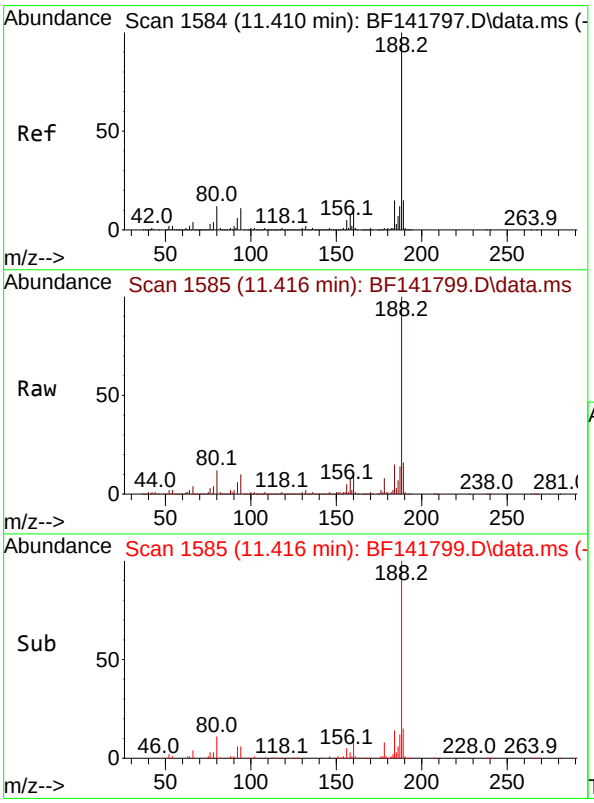
#63
Azobenzene
Concen: 56.242 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 2453259

Ion	Ratio	Lower	Upper
77	100		
182	23.9	4.2	44.2
105	21.5	1.5	41.5
51	31.5	10.4	50.4

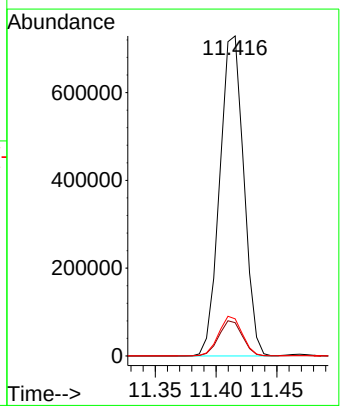


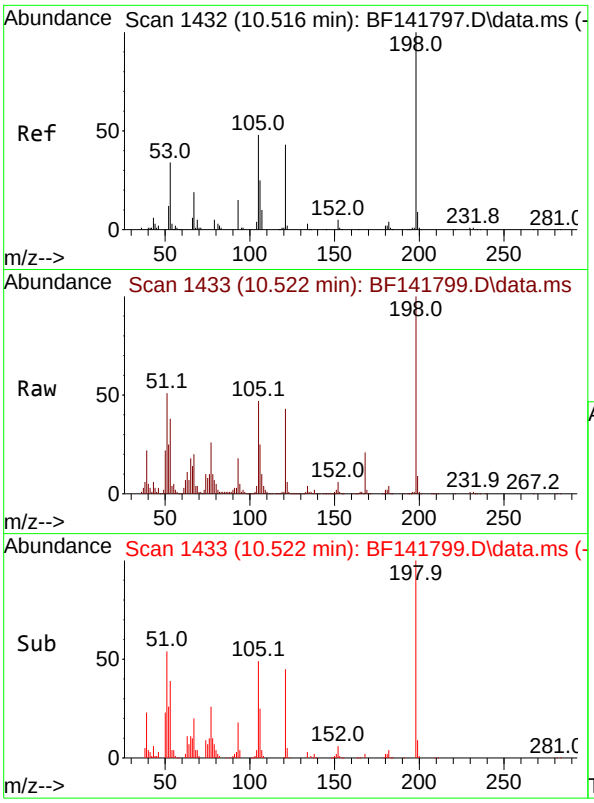


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:188 Resp: 999271

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.9	13.3
80	11.6	9.7	14.5



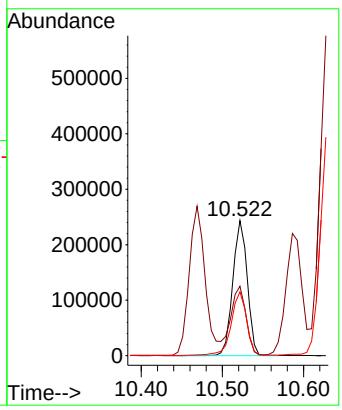


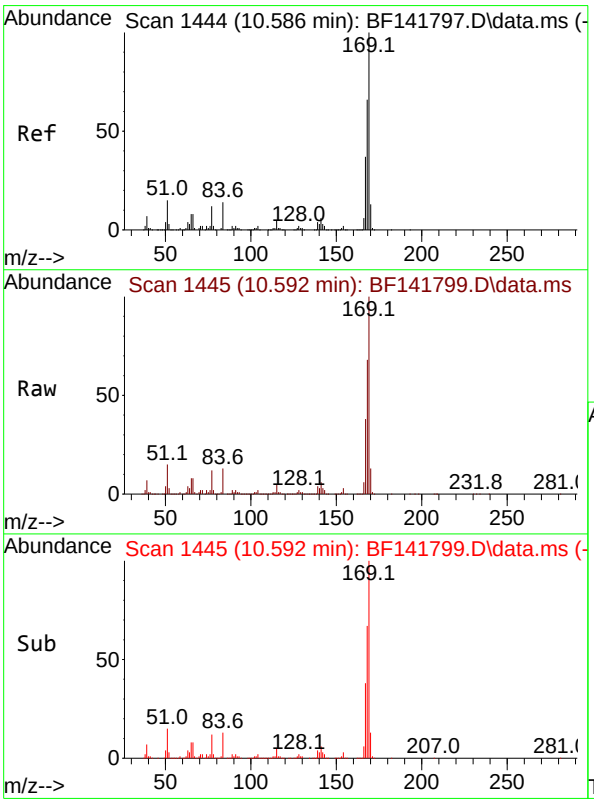
#65
4,6-Dinitro-2-methylphenol
Concen: 61.255 ng
RT: 10.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 300954

Ion	Ratio	Lower	Upper
198	100		
51	51.4	32.1	72.1
105	47.2	28.5	68.5

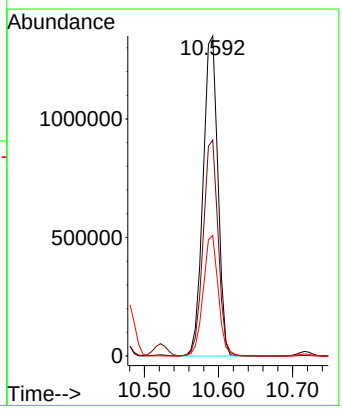


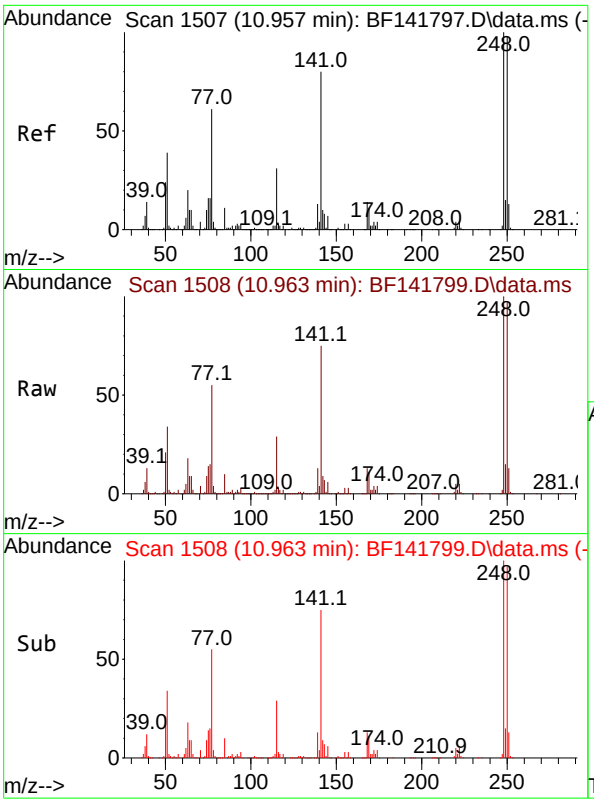


#66
n-Nitrosodiphenylamine
Concen: 56.913 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:169 Resp: 1867463

Ion	Ratio	Lower	Upper
169	100		
168	67.5	53.0	79.6
167	37.6	29.3	43.9



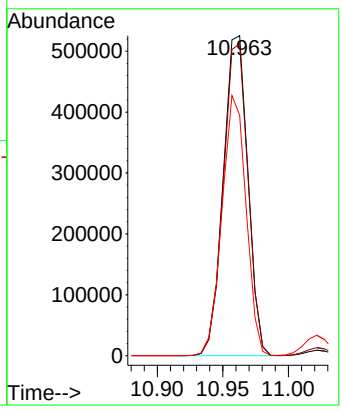


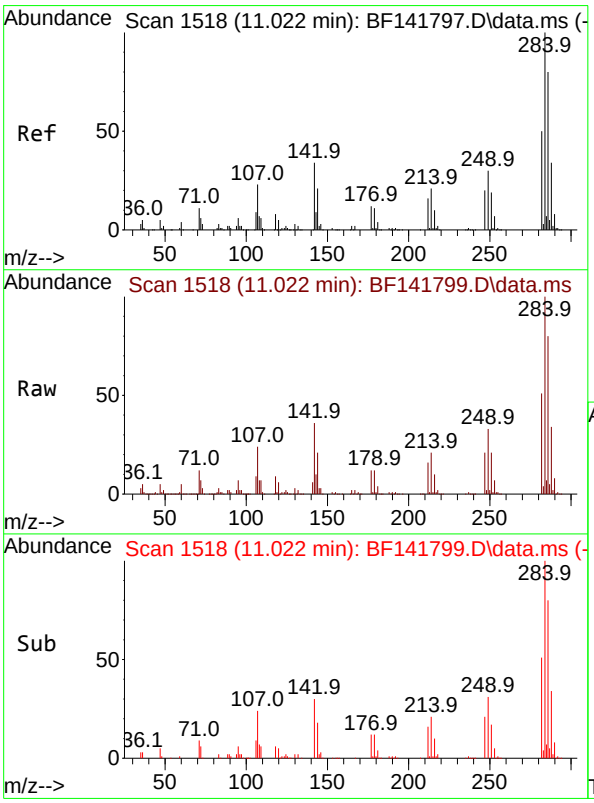
#67
4-Bromophenyl-phenylether
Concen: 59.012 ng
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 688777

Ion	Ratio	Lower	Upper
248	100		
250	97.5	78.1	117.1
141	75.2	64.3	96.5

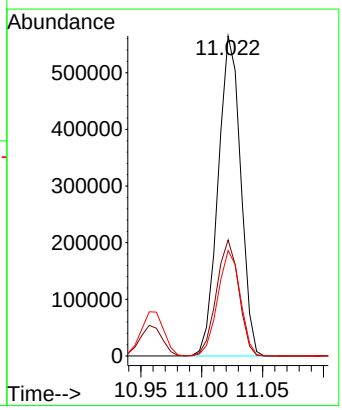


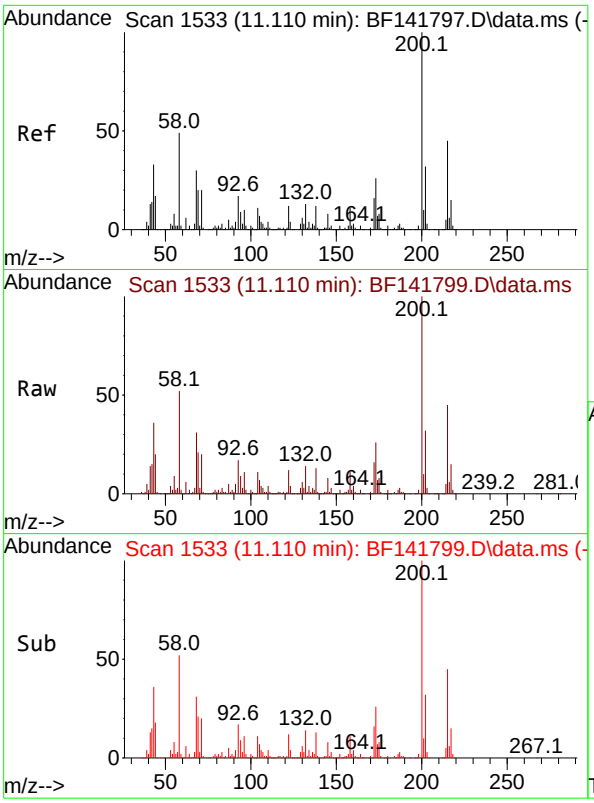


#68
Hexachlorobenzene
Concen: 58.945 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:284 Resp: 726507

Ion	Ratio	Lower	Upper
284	100		
142	36.3	28.2	42.2
249	33.0	25.5	38.3



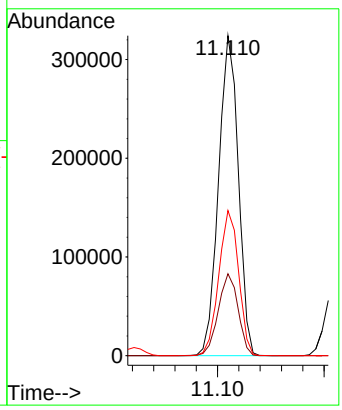


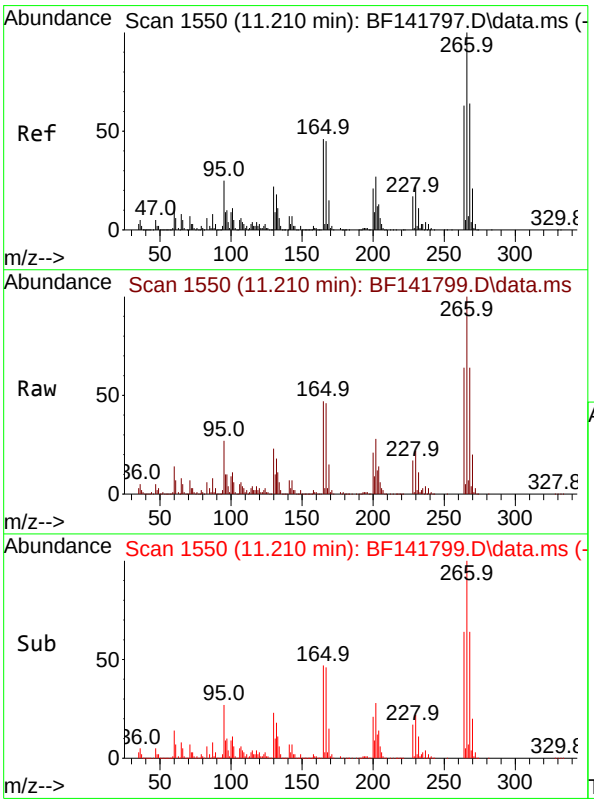
#69
Atrazine
Concen: 46.200 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 416878

Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.6	45.6
215	45.3	25.3	65.3

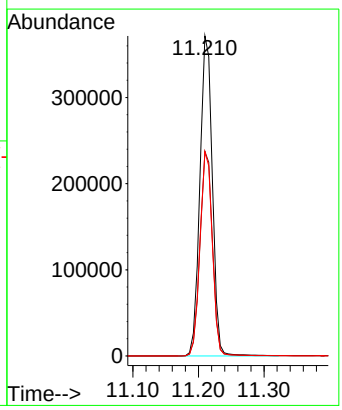


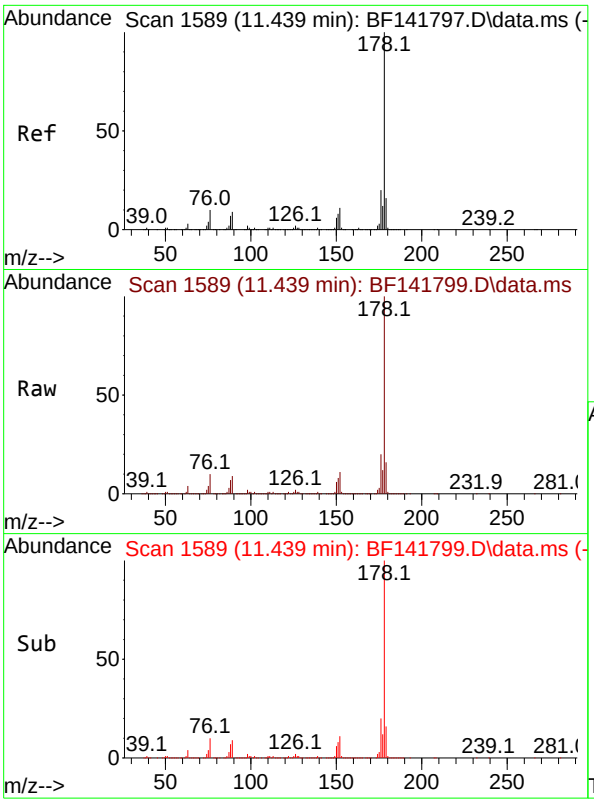


#70
Pentachlorophenol
Concen: 62.968 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:266 Resp: 492228

Ion	Ratio	Lower	Upper
266	100		
268	63.9	50.9	76.3
264	63.8	50.2	75.4



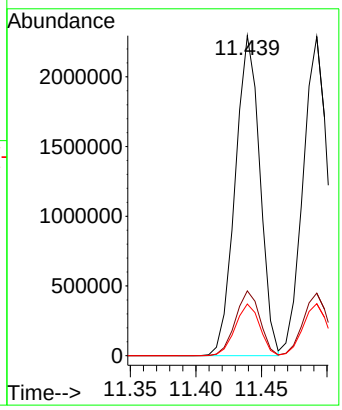


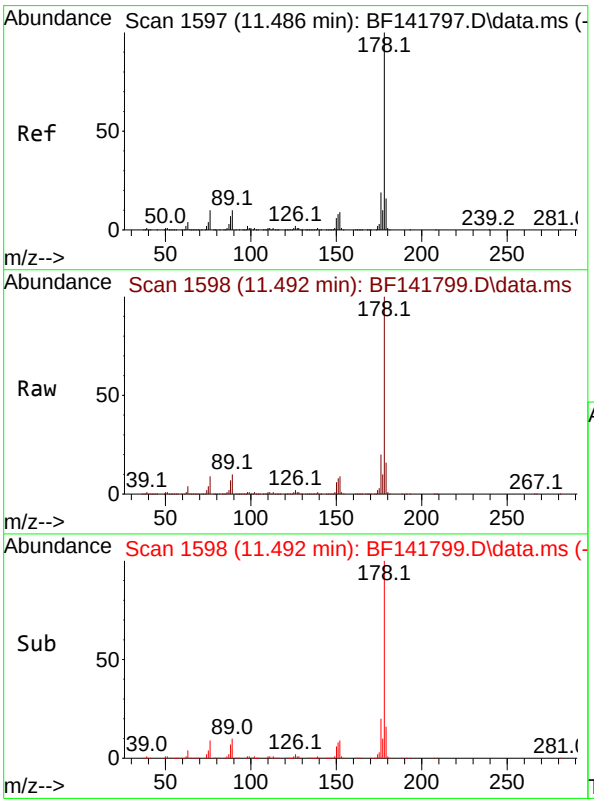
#71
Phenanthrene
Concen: 56.165 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 3002094

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.0	24.0
179	16.2	12.6	19.0

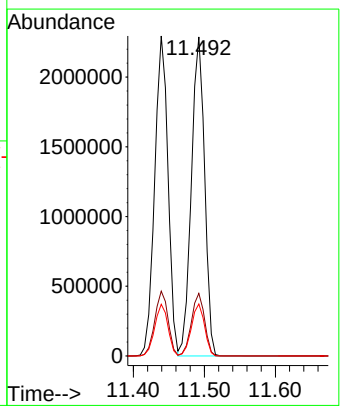


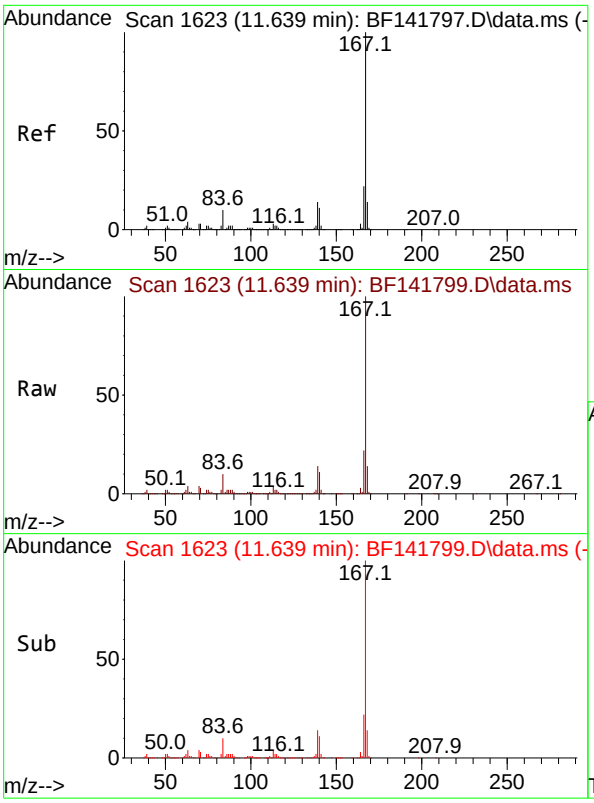


#72
Anthracene
Concen: 55.373 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:178 Resp: 2966353

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	16.3	12.8	19.2



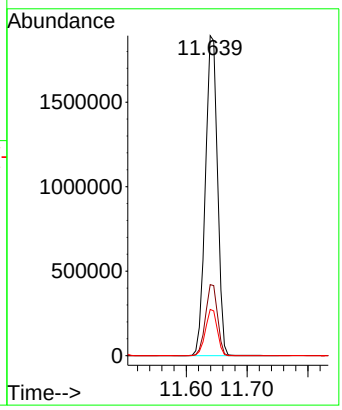


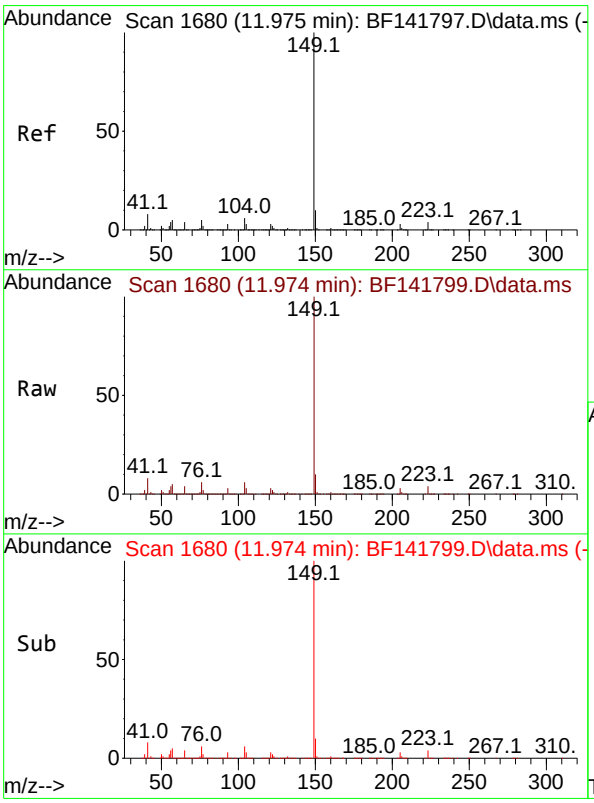
#73
Carbazole
Concen: 55.217 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 2612132

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.5	26.3
139	14.5	11.3	16.9

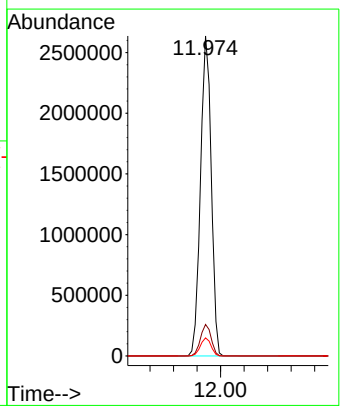


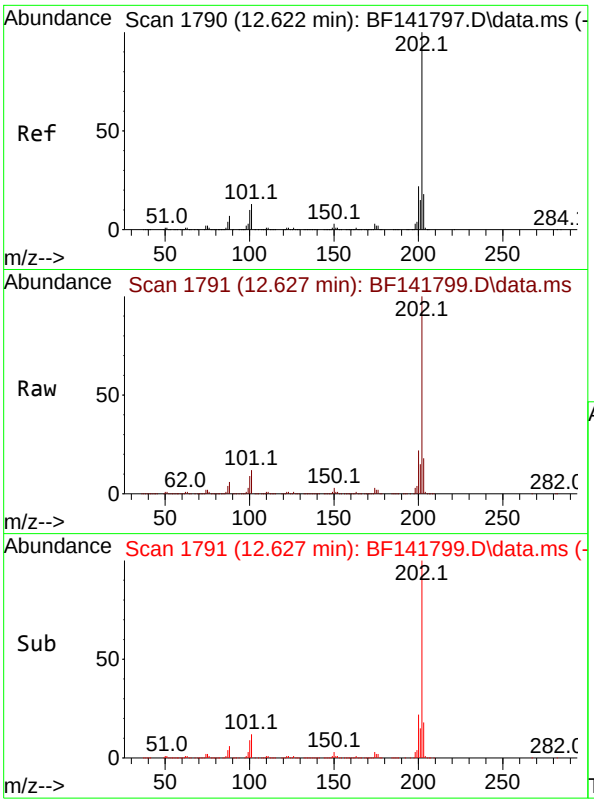


#74
Di-n-butylphthalate
Concen: 55.675 ng
RT: 11.974 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:149 Resp: 3338525

Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.7	11.5
104	5.7	4.4	6.6



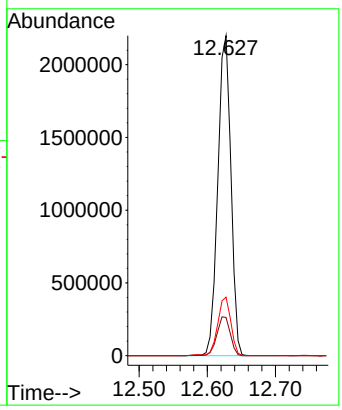


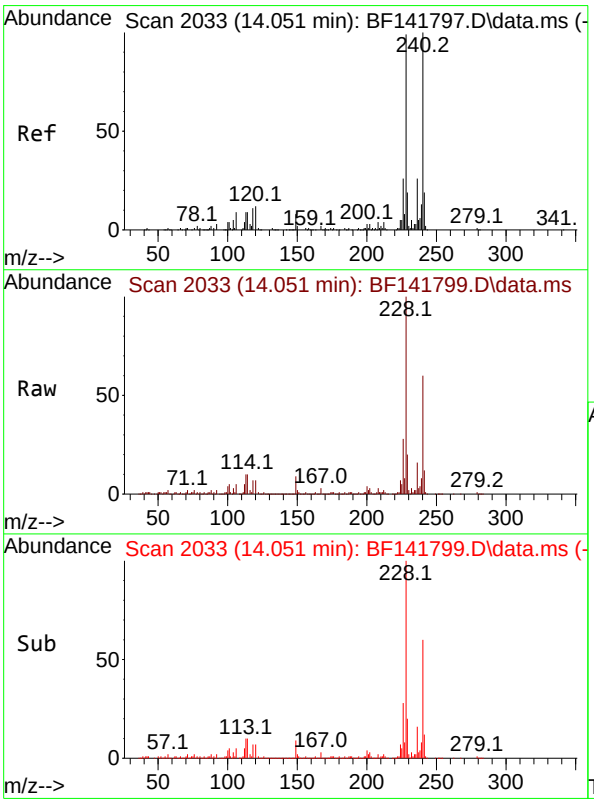
#75
Fluoranthene
Concen: 53.680 ng
RT: 12.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 2940034

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	32.8
203	18.3	0.0	38.0

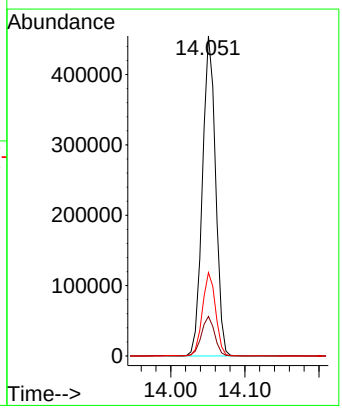


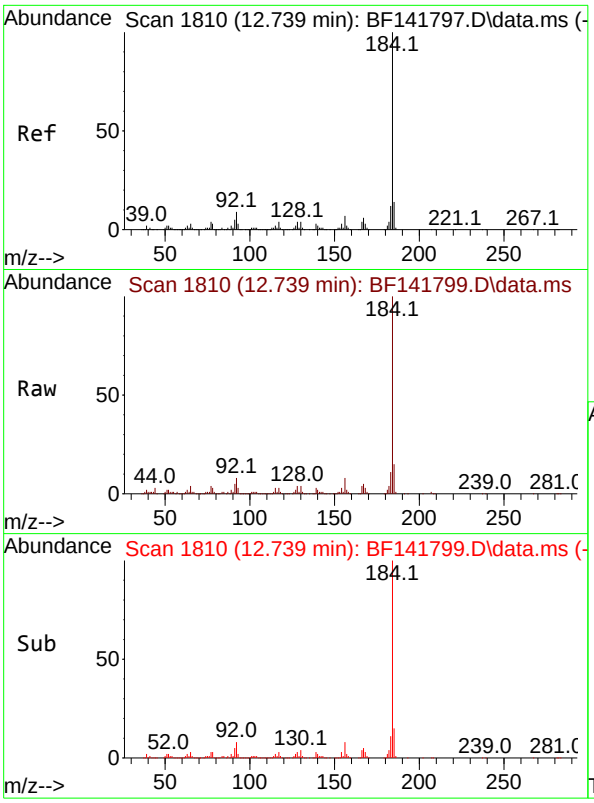


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:240 Resp: 562939

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.7	14.5
236	26.0	21.0	31.4



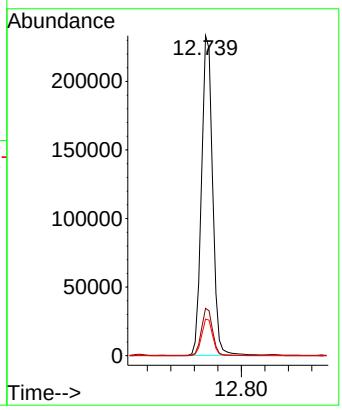


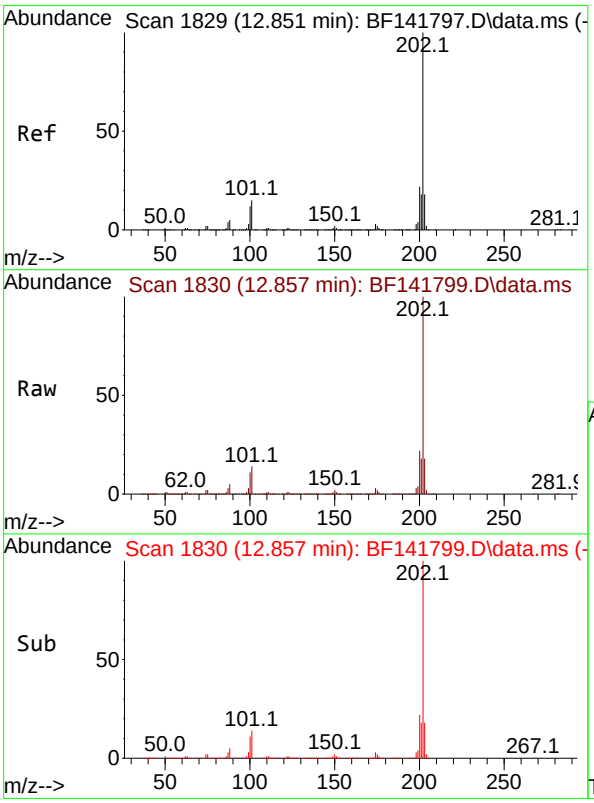
#77
Benzidine
Concen: 43.207 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 306135

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.6	17.4
183	11.4	9.4	14.0

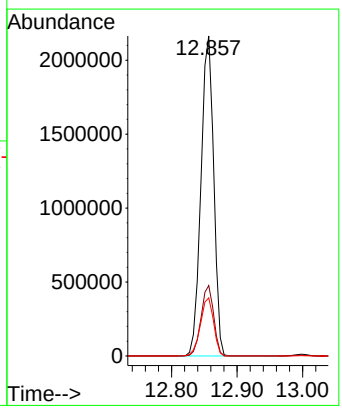


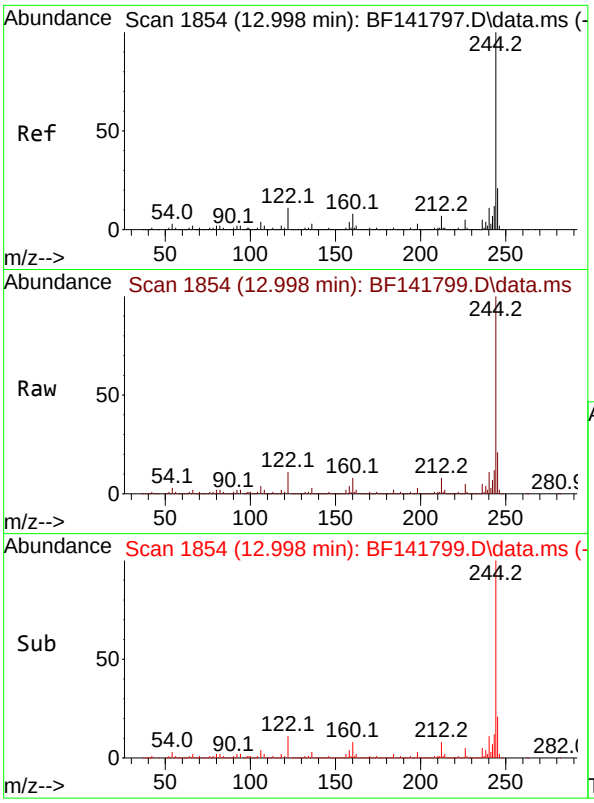


#78
Pyrene
Concen: 60.064 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:202 Resp: 2927964

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.0
203	18.2	14.6	22.0



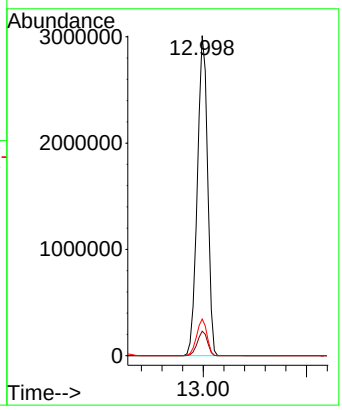


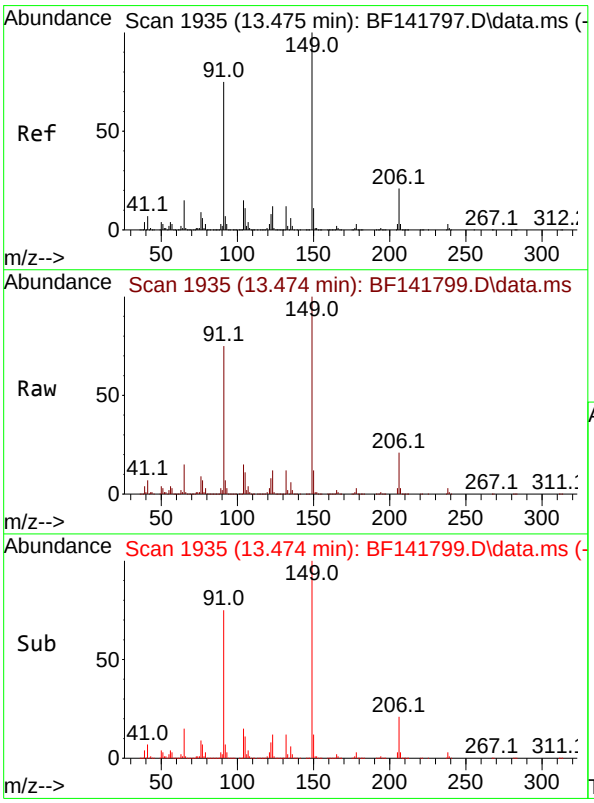
#79
Terphenyl-d14
Concen: 119.098 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 4143891

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	11.5	9.0	13.6

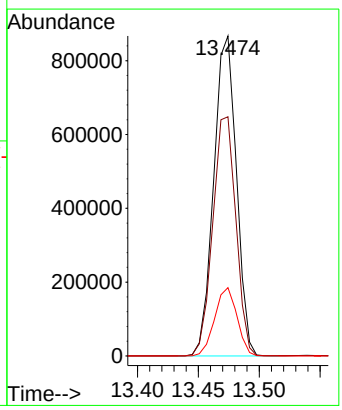


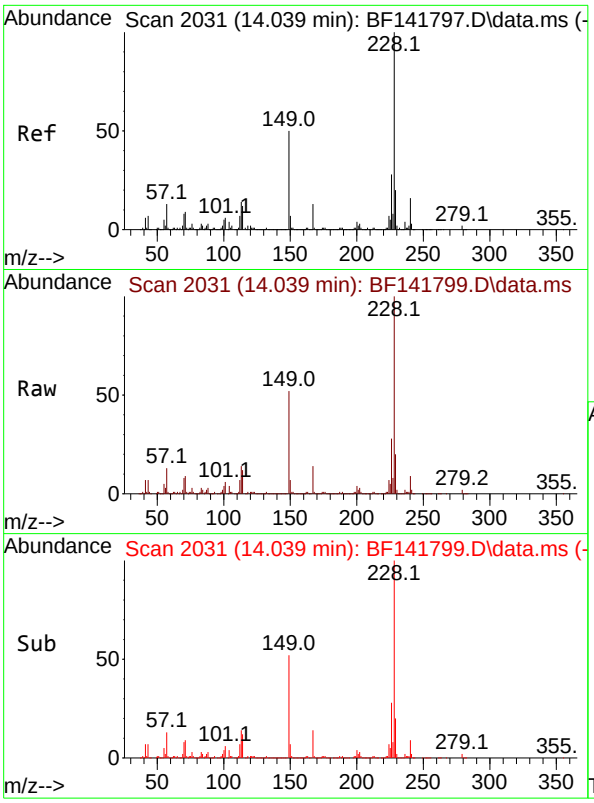


#80
Butylbenzylphthalate
Concen: 63.605 ng
RT: 13.474 min Scan# 1935
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:149 Resp: 1126511

Ion	Ratio	Lower	Upper
149	100		
91	74.8	60.1	90.1
206	21.3	16.8	25.2



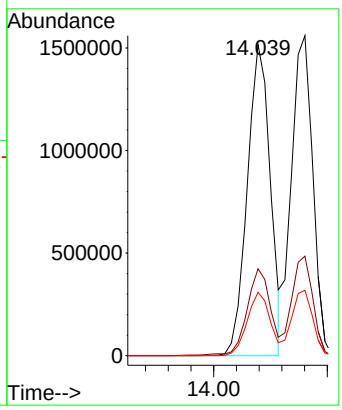


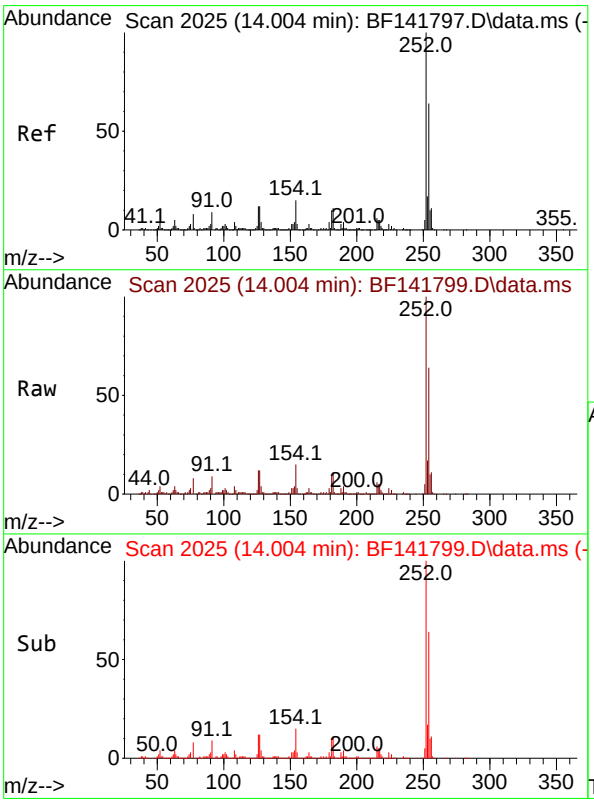
#81
Benzo(a)anthracene
Concen: 57.309 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 2130928

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	20.4	16.1	24.1

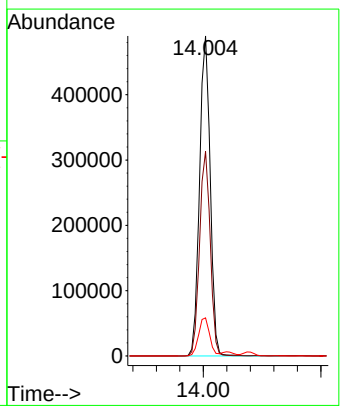


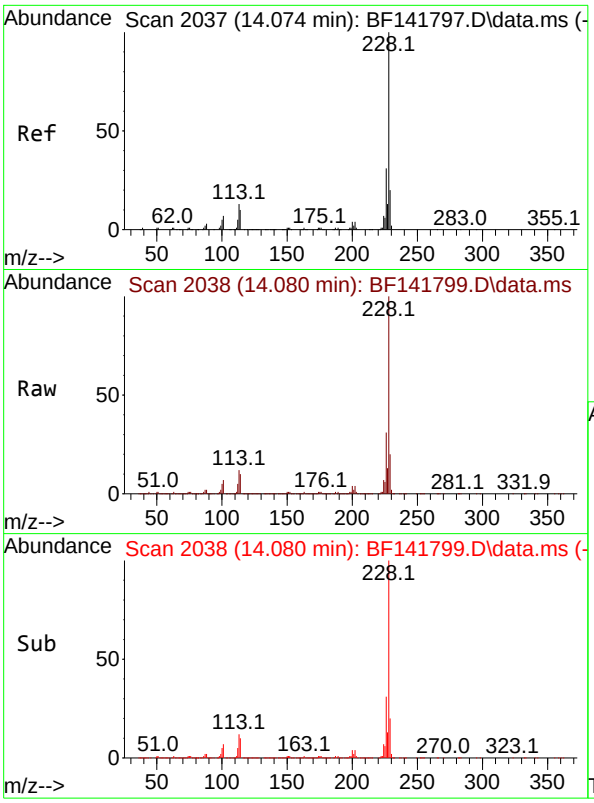


#82
3,3'-Dichlorobenzidine
Concen: 57.639 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:252 Resp: 614898

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.4	77.0
126	11.9	9.8	14.6



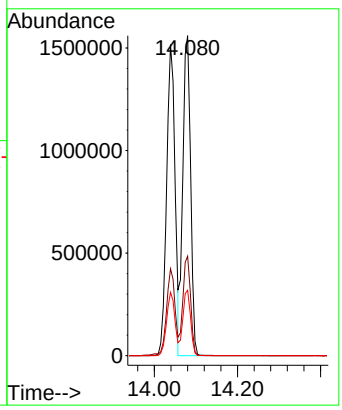


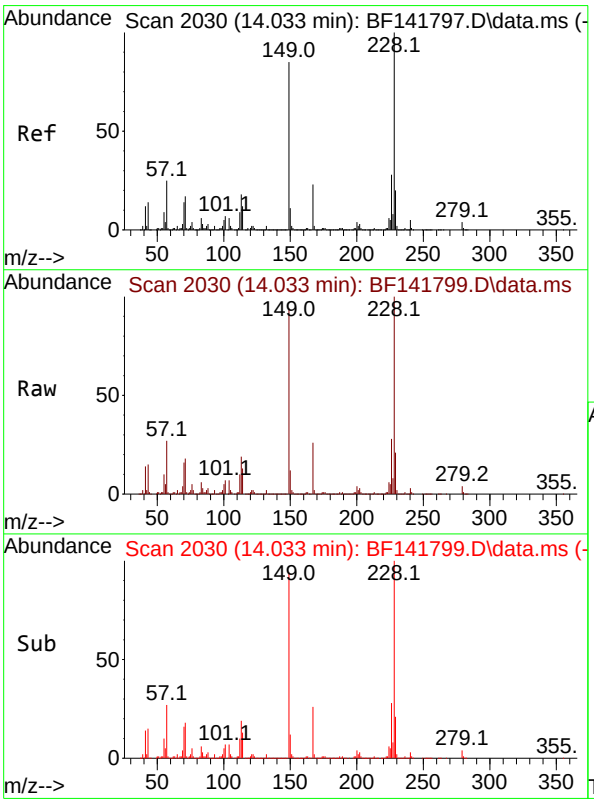
#83
Chrysene
Concen: 59.545 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 2040957

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	37.0
229	20.4	16.1	24.1

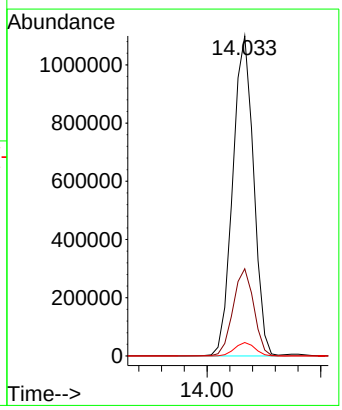


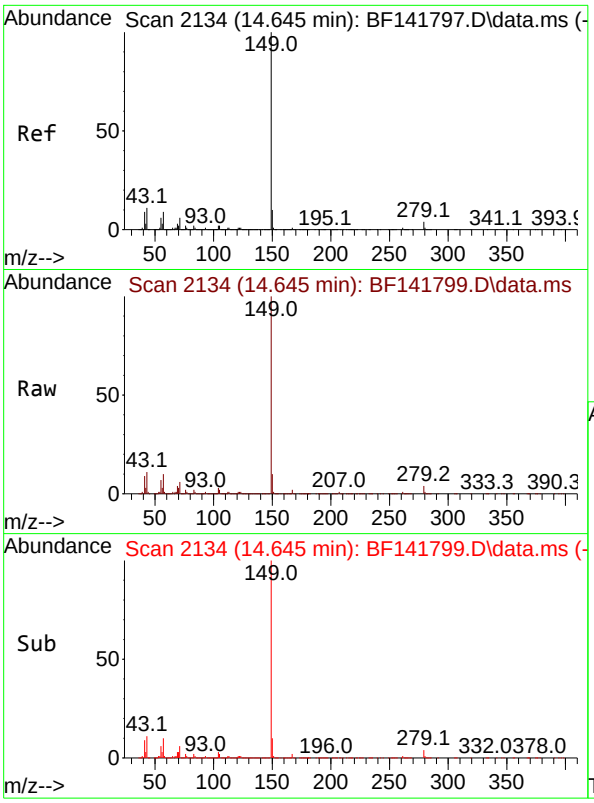


#84
Bis(2-ethylhexyl)phthalate
Concen: 63.421 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:149 Resp: 1398602

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.2	31.8
279	4.2	3.3	4.9



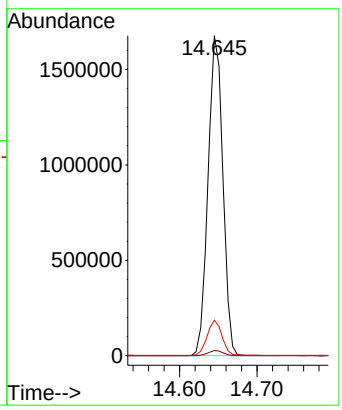


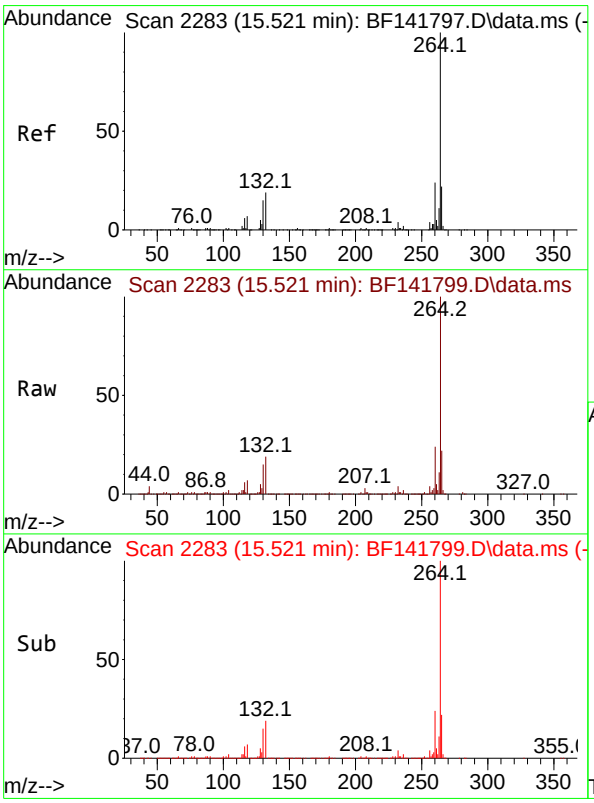
#85
Di-n-octyl phthalate
Concen: 67.411 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 2225625

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.0	8.6	12.8

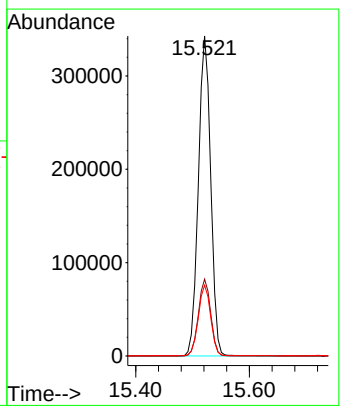


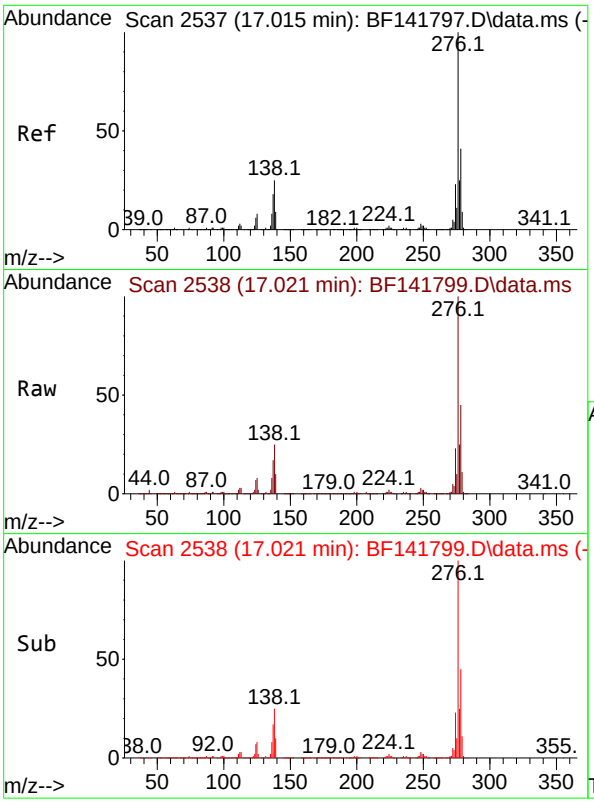


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:264 Resp: 517191

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.9	28.3
265	22.1	17.4	26.0



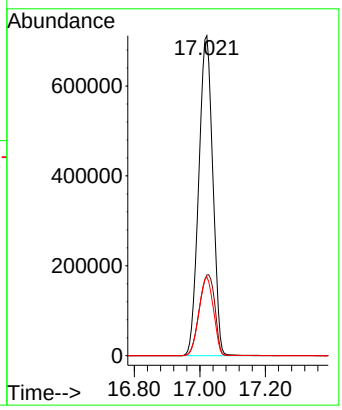


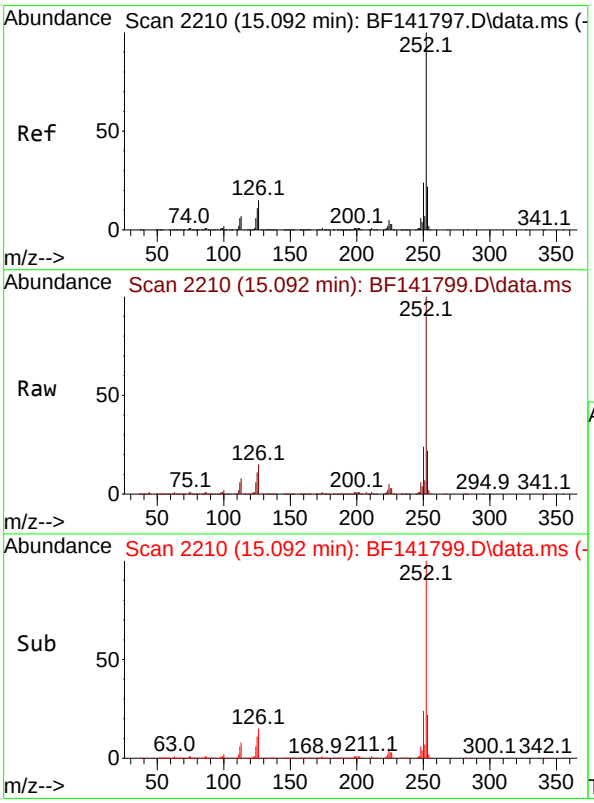
#87
Indeno(1,2,3-cd)pyrene
Concen: 64.589 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 2127125

Ion	Ratio	Lower	Upper
276	100		
138	28.0	22.5	33.7
277	25.4	20.3	30.5

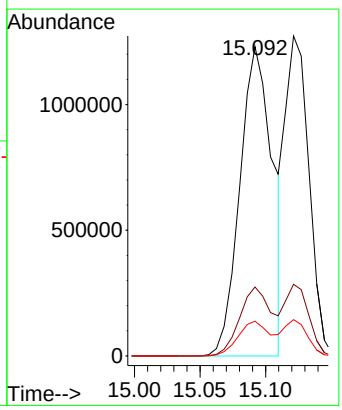


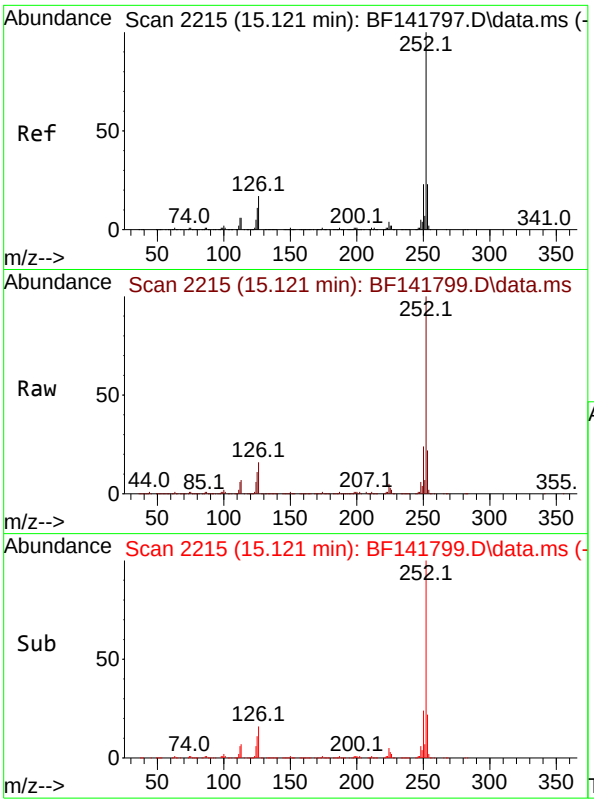


#88
Benzo(b)fluoranthene
Concen: 60.349 ng
RT: 15.092 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:252 Resp: 2126076

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	11.2	8.6	13.0



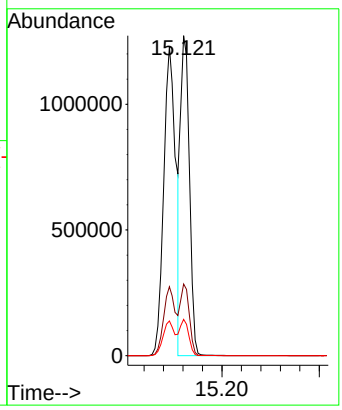


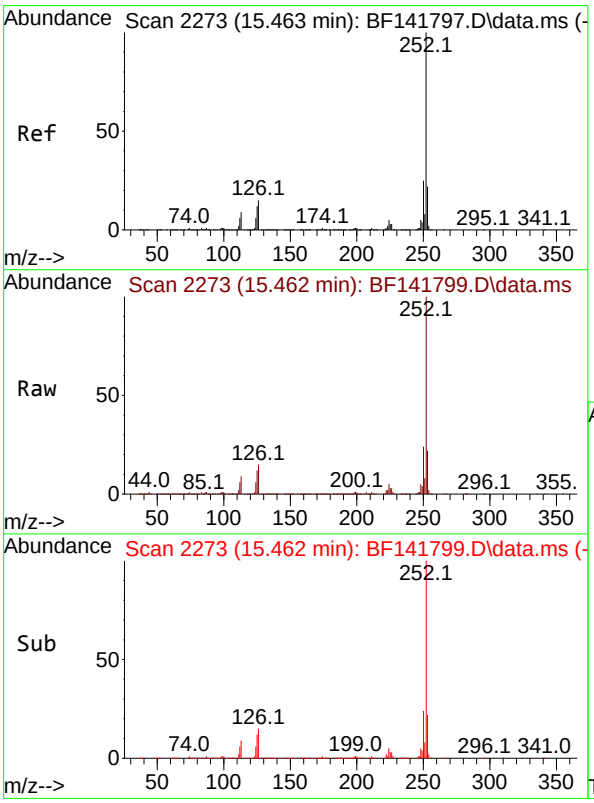
#89
Benzo(k)fluoranthene
Concen: 53.909 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 1614240

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	11.4	8.8	13.2

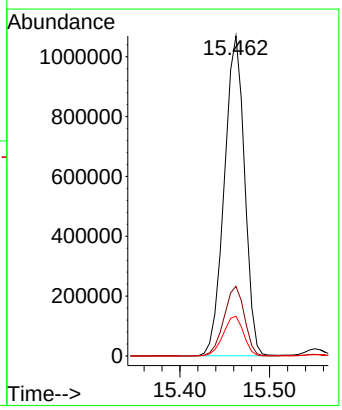


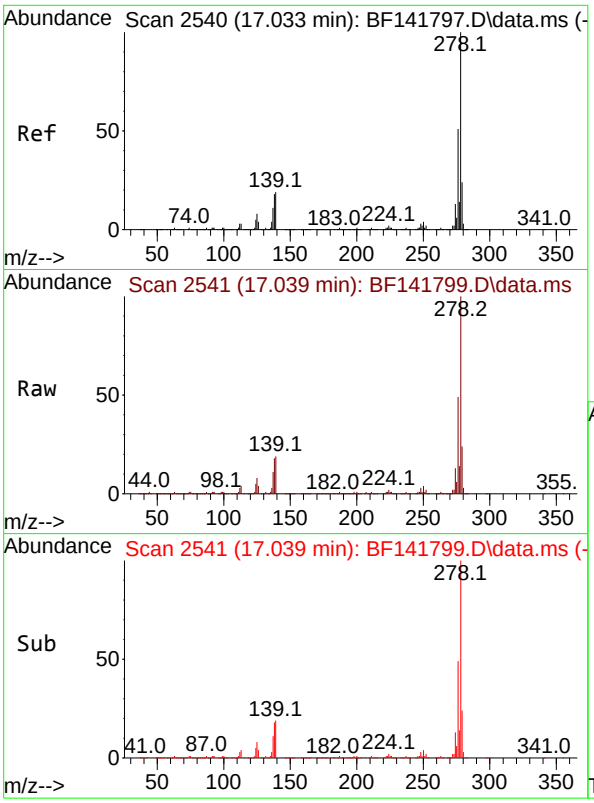


#90
Benzo(a)pyrene
Concen: 59.327 ng
RT: 15.462 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:252 Resp: 1676196

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	12.4	9.4	14.2



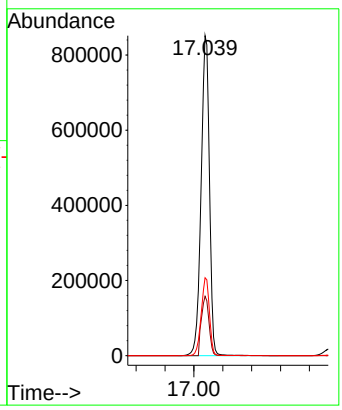


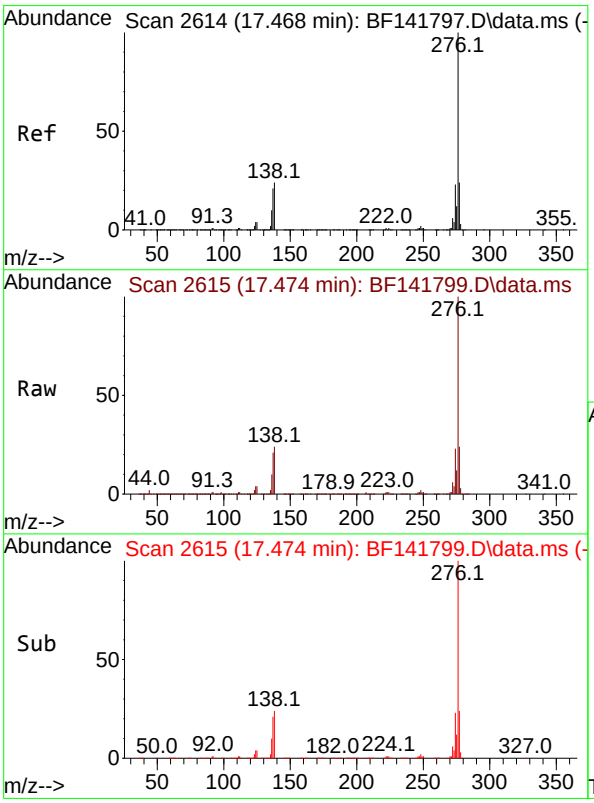
#91
Dibenzo(a,h)anthracene
Concen: 63.544 ng
RT: 17.039 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 1708189

Ion	Ratio	Lower	Upper
278	100		
139	18.5	14.9	22.3
279	24.4	19.3	28.9

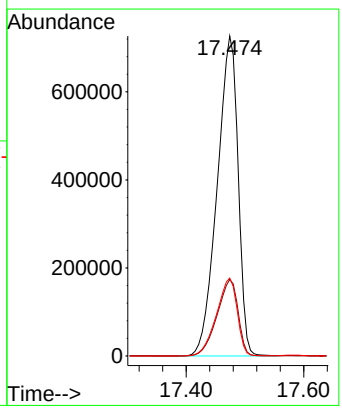




#92
Benzo(g,h,i)perylene
Concen: 65.105 ng
RT: 17.474 min Scan# 2615
Delta R.T. 0.006 min
Lab File: BF141799.D
Acq: 27 Feb 2025 18:15

Tgt Ion:276 Resp: 1792957

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.4	29.0
138	24.3	19.3	28.9



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141800.D
Acq On : 27 Feb 2025 18:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 28 01:28:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.892	152	288826	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	1114934	20.000	ng		0.00
39) Acenaphthene-d10	9.927	164	596680	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	953117	20.000	ng		0.00
76) Chrysene-d12	14.051	240	523206	20.000	ng		0.00
86) Perylene-d12	15.521	264	508610	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	2612441	144.448	ng		0.00
7) Phenol-d6	6.522	99	3411771	144.934	ng		0.01
23) Nitrobenzene-d5	7.463	82	3027619	173.576	ng		0.01
42) 2,4,6-Tribromophenol	10.722	330	924112	164.969	ng		0.00
45) 2-Fluorobiphenyl	9.251	172	5006600	134.541	ng		0.00
79) Terphenyl-d14	13.004	244	4843134	149.765	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	624874	76.145	ng		100
3) Pyridine	3.446	79	1560139	76.409	ng		99
4) n-Nitrosodimethylamine	3.410	42	788941	80.304	ng		98
6) Aniline	6.551	93	1743358m	71.624	ng		
8) 2-Chlorophenol	6.681	128	1409554	72.047	ng		99
9) Benzaldehyde	6.445	77	801799	58.556	ng		100
10) Phenol	6.539	94	1807328m	72.063	ng		
11) bis(2-Chloroethyl)ether	6.634	93	1461868	76.240	ng		96
12) 1,3-Dichlorobenzene	6.834	146	1510694	72.103	ng		99
13) 1,4-Dichlorobenzene	6.910	146	1522041	72.097	ng		99
14) 1,2-Dichlorobenzene	7.069	146	1370457	69.519	ng		99
15) Benzyl Alcohol	7.034	79	1363091	72.454	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.169	45	2095843	71.973	ng		98
17) 2-Methylphenol	7.139	107	1211432	75.016	ng		99
18) Hexachloroethane	7.404	117	593057	75.056	ng		98
19) n-Nitroso-di-n-propyla...	7.322	70	1126427	72.793	ng		98
20) 3+4-Methylphenols	7.298	107	1383814	68.816	ng	#	88
22) Acetophenone	7.310	105	1933636	71.209	ng		99
24) Nitrobenzene	7.481	77	1579955	84.587	ng		100
25) Isophorone	7.722	82	2894041	77.230	ng		100
26) 2-Nitrophenol	7.792	139	705125	81.046	ng		100
27) 2,4-Dimethylphenol	7.822	122	1051076	76.304	ng		99
28) bis(2-Chloroethoxy)met...	7.928	93	1759255	73.596	ng		99
29) 2,4-Dichlorophenol	8.028	162	1227409	77.239	ng		99
30) 1,2,4-Trichlorobenzene	8.116	180	1304033	74.888	ng		99
31) Naphthalene	8.198	128	4040110	70.504	ng		99
32) Benzoic acid	7.975	122	1008619	81.363	ng		99
33) 4-Chloroaniline	8.251	127	1607098	76.489	ng		100
34) Hexachlorobutadiene	8.316	225	836069	77.265	ng		99
35) Caprolactam	8.639	113	383145	78.359	ng		99
36) 4-Chloro-3-methylphenol	8.722	107	1349234	76.431	ng		99
37) 2-Methylnaphthalene	8.886	142	2637302	70.167	ng		99
38) 1-Methylnaphthalene	8.986	142	2541019	70.457	ng		99
40) 1,2,4,5-Tetrachloroben...	9.051	216	1288540	74.773	ng		99
41) Hexachlorocyclopentadiene	9.039	237	564266	78.461	ng		99
43) 2,4,6-Trichlorophenol	9.163	196	898797	80.742	ng		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141800.D
Acq On : 27 Feb 2025 18:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 28 01:28:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	859610	77.984	ng		99
46) 1,1'-Biphenyl	9.357	154	3156440	69.499	ng		99
47) 2-Chloronaphthalene	9.380	162	2401468	71.641	ng		98
48) 2-Nitroaniline	9.469	65	770567	80.727	ng		99
49) Acenaphthylene	9.792	152	3512076	69.880	ng		99
50) Dimethylphthalate	9.663	163	2921217	73.107	ng		100
51) 2,6-Dinitrotoluene	9.716	165	622623	79.481	ng		100
52) Acenaphthene	9.969	154	2480302	73.139	ng		100
53) 3-Nitroaniline	9.886	138	667119	79.835	ng		97
54) 2,4-Dinitrophenol	9.986	184	277943	79.409	ng	#	1
55) Dibenzofuran	10.139	168	3427897	69.448	ng		98
56) 4-Nitrophenol	10.033	139	541317	91.723	ng		100
57) 2,4-Dinitrotoluene	10.122	165	764012	79.344	ng		97
58) Fluorene	10.480	166	2557382	69.170	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.251	232	752913	78.537	ng		99
60) Diethylphthalate	10.357	149	2893471	72.232	ng		99
61) 4-Chlorophenyl-phenyle...	10.469	204	1341441	72.414	ng		99
62) 4-Nitroaniline	10.504	138	611855	89.663	ng		99
63) Azobenzene	10.633	77	3013185	71.441	ng		98
65) 4,6-Dinitro-2-methylph...	10.527	198	393349	80.929	ng		98
66) n-Nitrosodiphenylamine	10.592	169	2313580	73.923	ng		99
67) 4-Bromophenyl-phenylether	10.963	248	852216	76.550	ng		98
68) Hexachlorobenzene	11.027	284	902644	76.782	ng		97
70) Pentachlorophenol	11.216	266	610264	81.849	ng		100
71) Phenanthrene	11.439	178	3584436	70.307	ng		99
72) Anthracene	11.492	178	3550480	69.487	ng		98
73) Carbazole	11.645	167	3130504	69.380	ng		99
74) Di-n-butylphthalate	11.974	149	3944814	68.971	ng		99
75) Fluoranthene	12.627	202	3496011	66.922	ng		99
77) Benzidine	12.745	184	660393	100.283	ng		99
78) Pyrene	12.857	202	3466035	76.502	ng		99
80) Butylbenzylphthalate	13.474	149	1364388	82.887	ng		100
81) Benzo(a)anthracene	14.039	228	2703093	78.217	ng		99
82) 3,3'-Dichlorobenzidine	14.004	252	762858	76.939	ng		100
83) Chrysene	14.080	228	2394861	75.176	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1730418	84.426	ng		99
85) Di-n-octyl phthalate	14.645	149	2821762	91.958	ng		100
87) Indeno(1,2,3-cd)pyrene	17.027	276	2842850	87.778	ng		99
88) Benzo(b)fluoranthene	15.092	252	2556011	73.777	ng		98
89) Benzo(k)fluoranthene	15.127	252	2184261	74.176	ng		99
90) Benzo(a)pyrene	15.468	252	2156583	77.617	ng		99
91) Dibenzo(a,h)anthracene	17.051	278	2269377	85.844	ng		99
92) Benzo(g,h,i)perylene	17.486	276	2397751	88.534	ng		99

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

ICAL Form

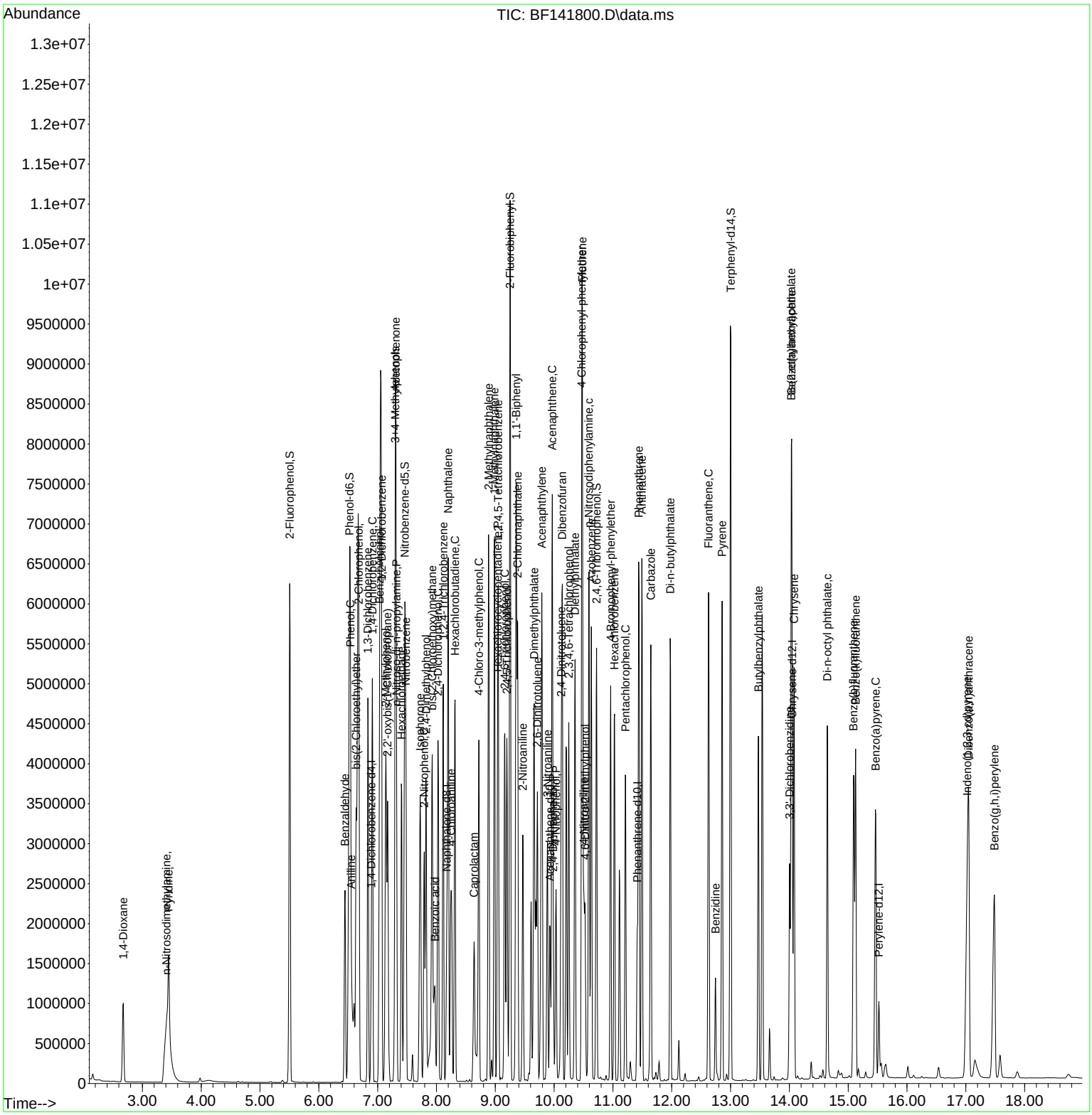
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141800.D
Acq On : 27 Feb 2025 18:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

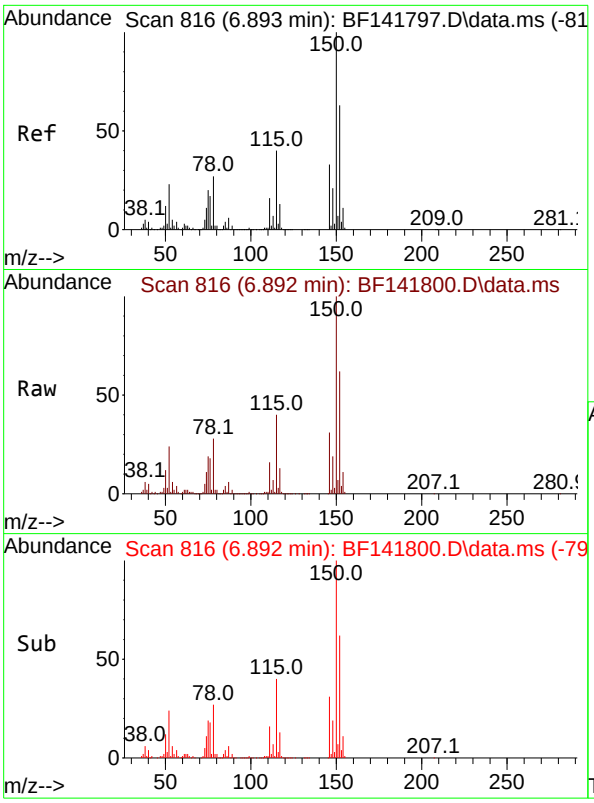
Quant Time: Feb 28 01:28:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:19:57 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

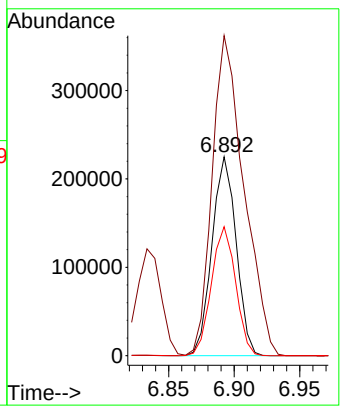




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:152 Resp: 28882

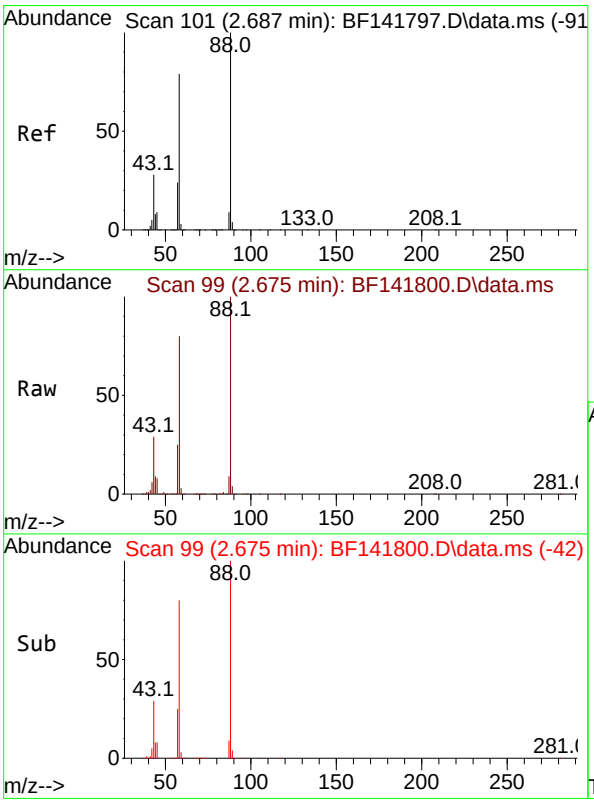
Ion	Ratio	Lower	Upper
152	100		
150	160.9	127.5	191.3
115	64.9	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

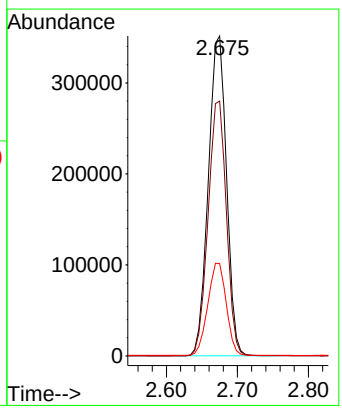
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

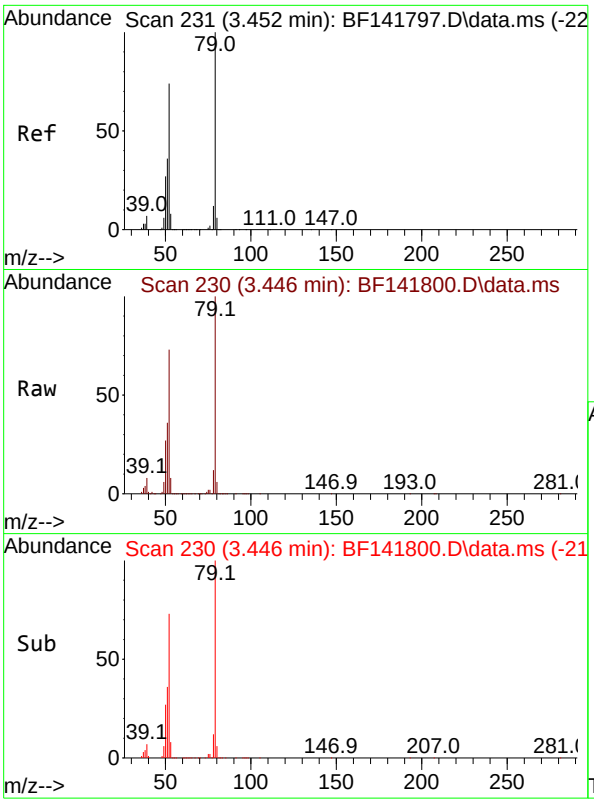


#2
1,4-Dioxane
Concen: 76.145 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 88 Resp: 624874

Ion	Ratio	Lower	Upper
88	100		
58	80.3	63.9	95.9
43	29.2	23.0	34.6

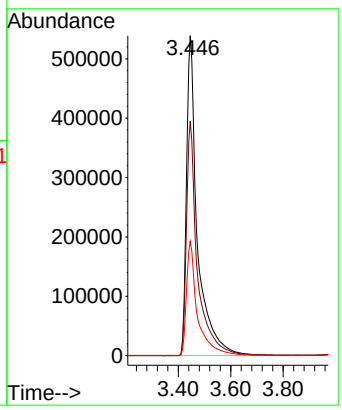




#3
Pyridine
Concen: 76.409 ng
RT: 3.446 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 79 Resp: 156013

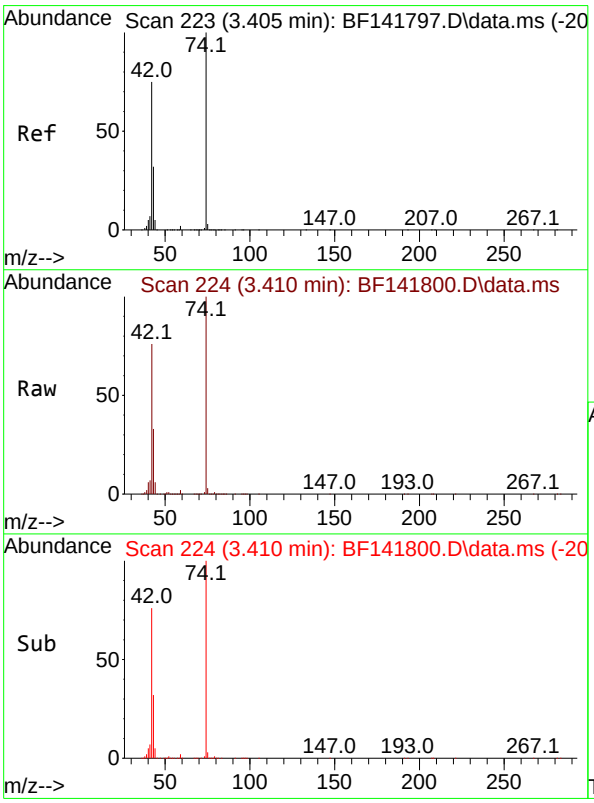
Ion	Ratio	Lower	Upper
79	100		
52	73.2	59.0	88.4
51	35.7	29.0	43.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

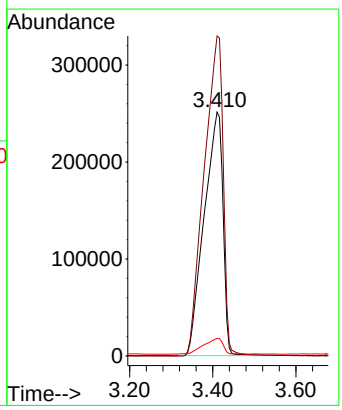
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

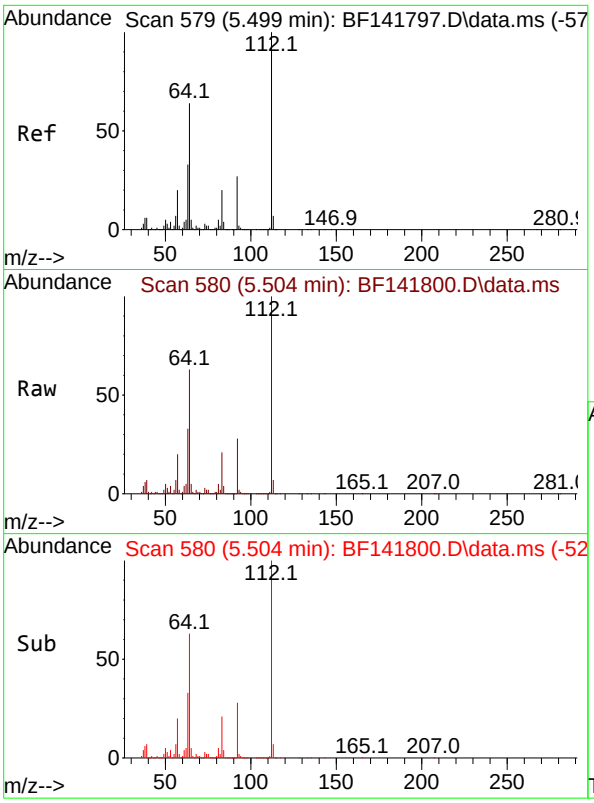


#4
n-Nitrosodimethylamine
Concen: 80.304 ng
RT: 3.410 min Scan# 224
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 42 Resp: 788941

Ion	Ratio	Lower	Upper
42	100		
74	131.2	107.1	160.7
44	7.2	6.6	9.8





#5
2-Fluorophenol
Concen: 144.448 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

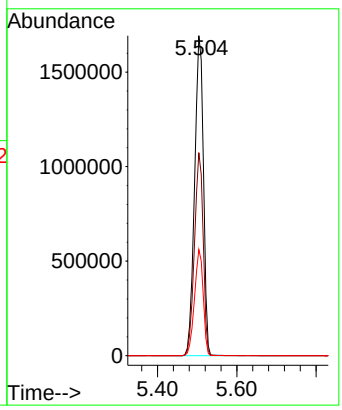
Tgt Ion:112 Resp: 261244

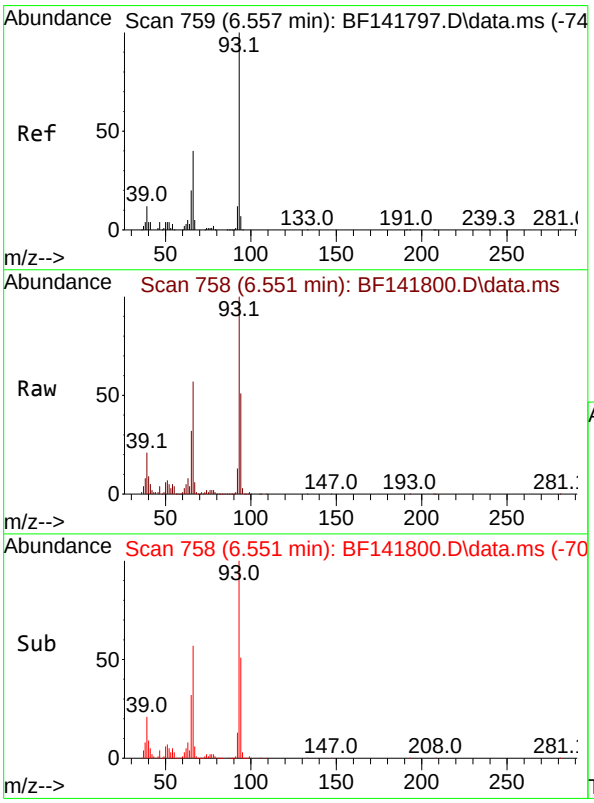
Ion	Ratio	Lower	Upper
112	100		
64	63.5	51.3	76.9
63	33.1	26.2	39.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

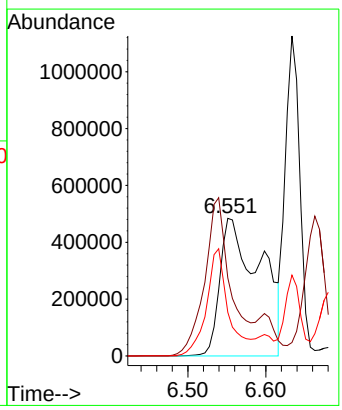


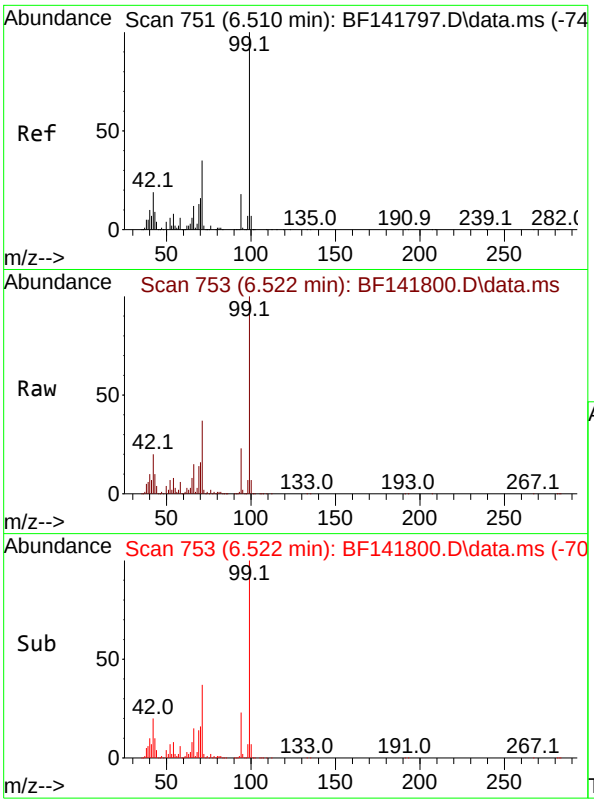


#6
Aniline
Concen: 71.624 ng m
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 93 Resp: 1743358

Ion	Ratio	Lower	Upper
93	100		
66	56.8	32.3	48.5#
65	31.8	15.9	23.9#

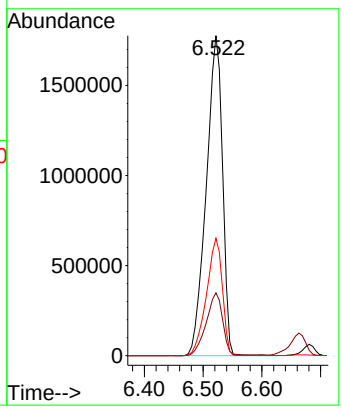




#7
Phenol-d6
Concen: 144.934 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 99 Resp: 341177

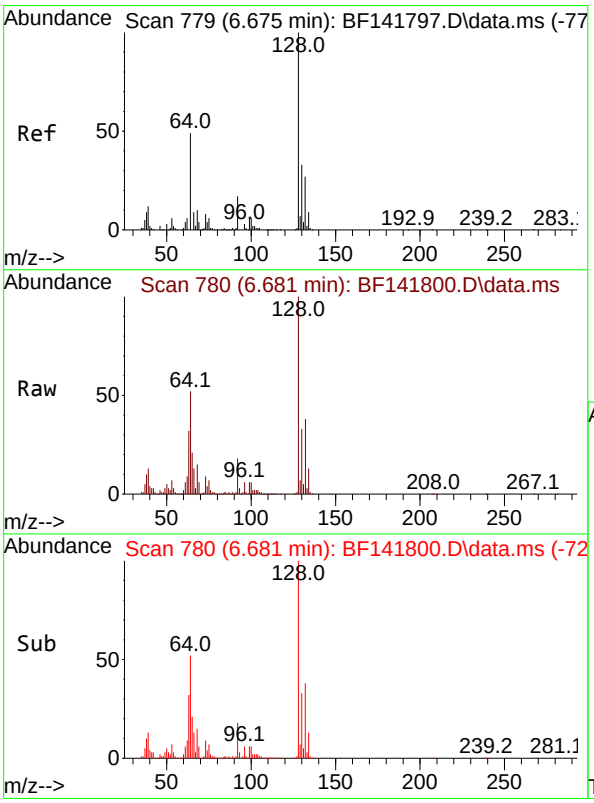
Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.2	22.8
71	36.7	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

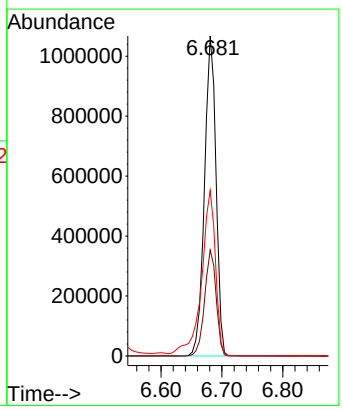
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

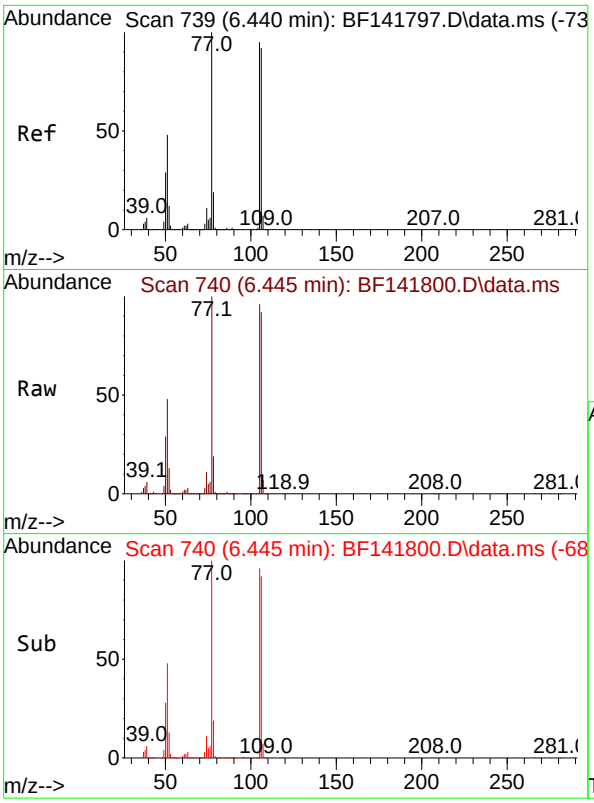


#8
2-Chlorophenol
Concen: 72.047 ng
RT: 6.681 min Scan# 780
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:128 Resp: 1409554

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.6	52.6
64	51.7	31.1	71.1

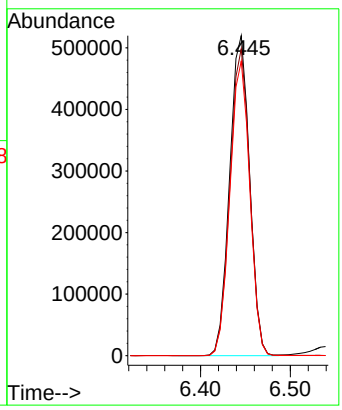




#9
Benzaldehyde
Concen: 58.556 ng
RT: 6.445 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 77 Resp: 80179

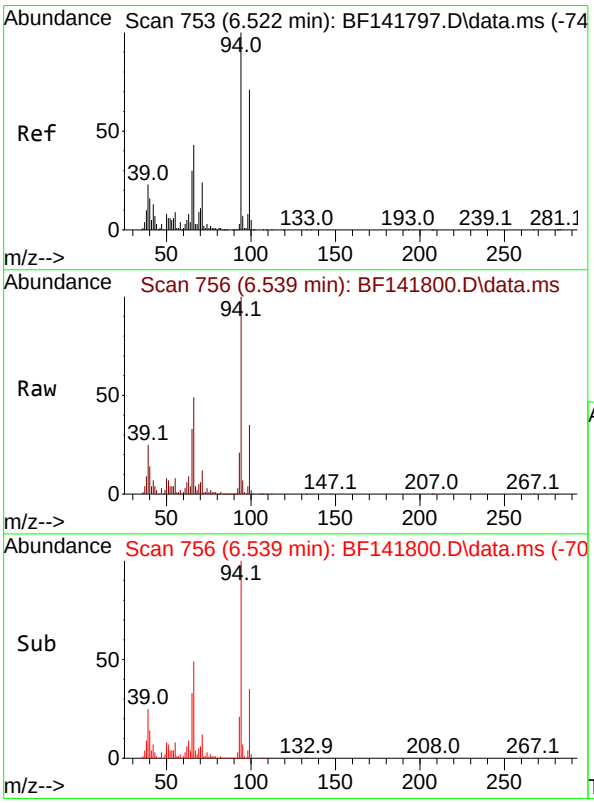
Ion	Ratio	Lower	Upper
77	100		
105	95.9	75.3	115.3
106	92.1	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

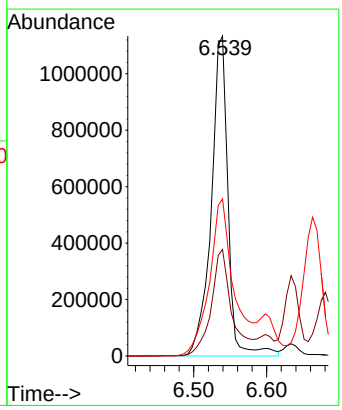
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

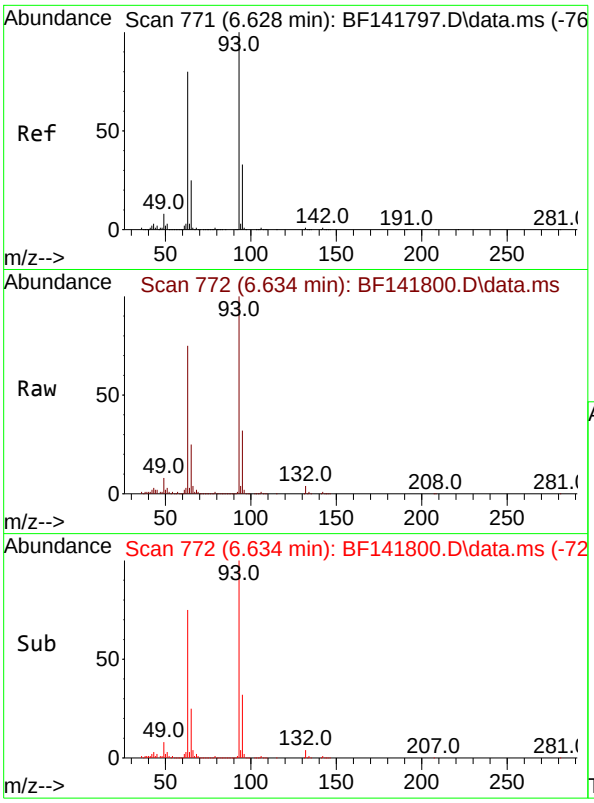


#10
Phenol
Concen: 72.063 ng m
RT: 6.539 min Scan# 756
Delta R.T. 0.017 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 94 Resp: 1807328

Ion	Ratio	Lower	Upper
94	100		
65	33.3	10.2	50.2
66	49.1	23.2	63.2

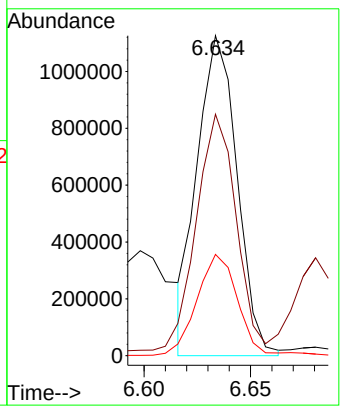




#11
bis(2-Chloroethyl)ether
Concen: 76.240 ng
RT: 6.634 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 93 Resp: 146186

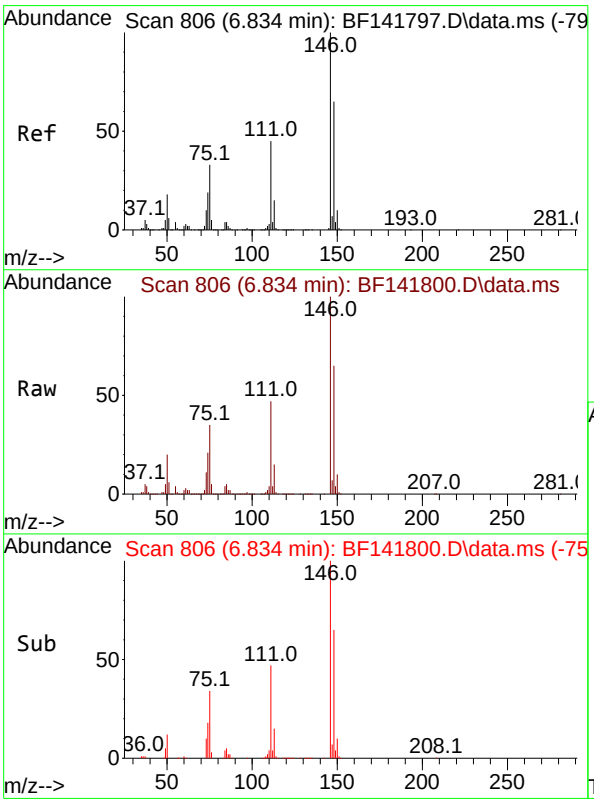
Ion	Ratio	Lower	Upper
93	100		
63	75.5	59.3	99.3
95	31.7	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

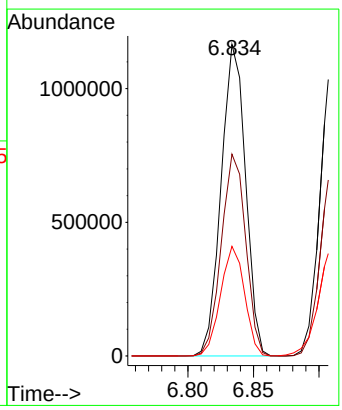
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

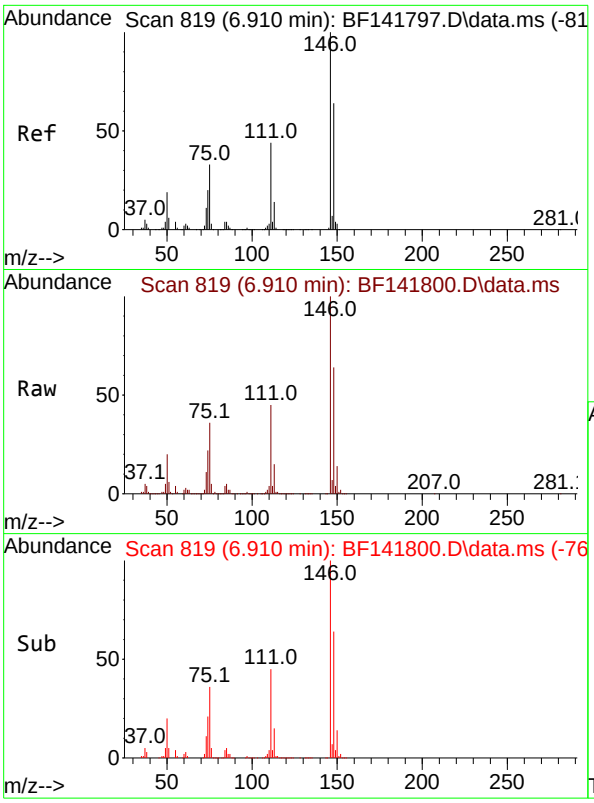


#12
1,3-Dichlorobenzene
Concen: 72.103 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:146 Resp: 1510694

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.6
75	35.2	26.2	39.4

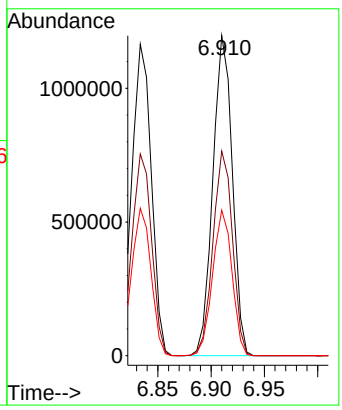




#13
1,4-Dichlorobenzene
Concen: 72.097 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:146 Resp: 152204

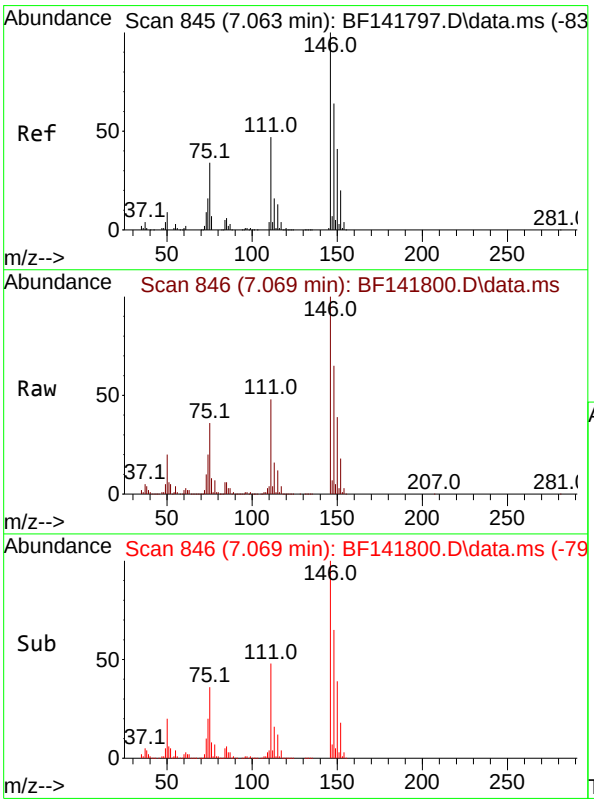
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.4	77.2
111	45.5	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

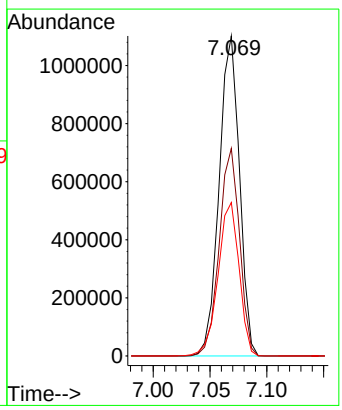
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

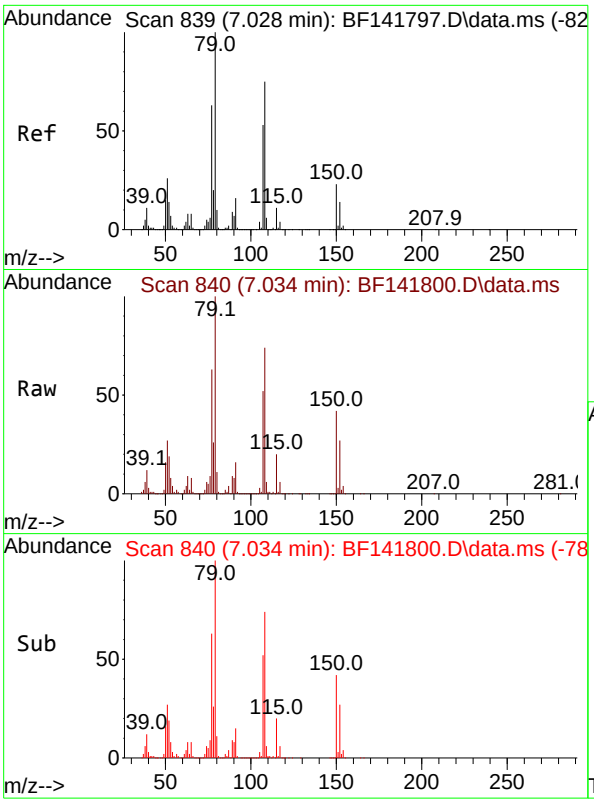


#14
1,2-Dichlorobenzene
Concen: 69.519 ng
RT: 7.069 min Scan# 846
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:146 Resp: 1370457

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.2	76.8
111	48.0	37.8	56.6





#15
Benzyl Alcohol
Concen: 72.454 ng
RT: 7.034 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

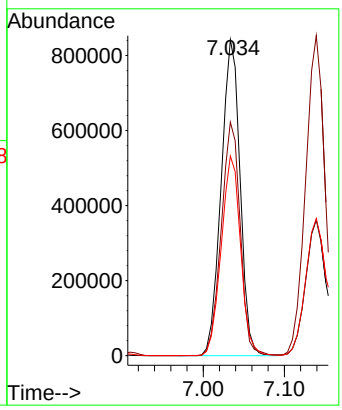
Tgt Ion: 79 Resp: 136309

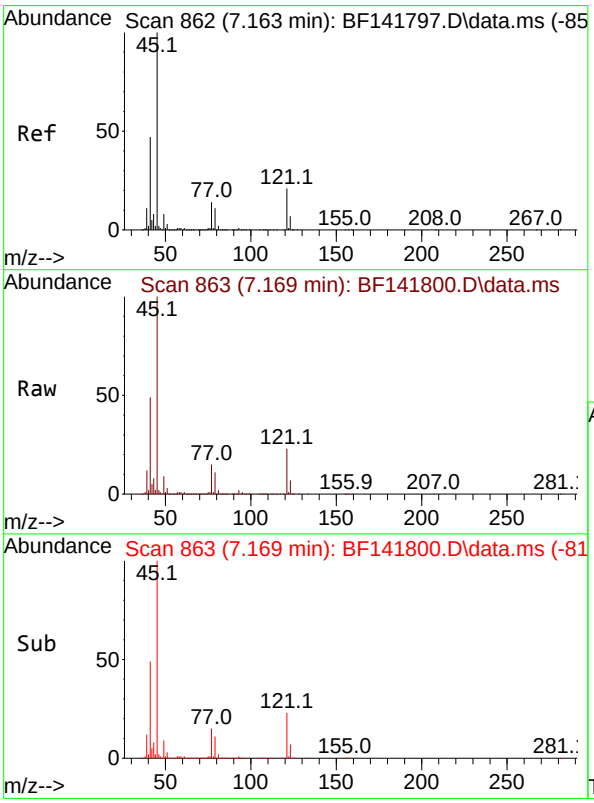
Ion	Ratio	Lower	Upper
79	100		
108	73.9	60.2	90.2
77	63.2	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

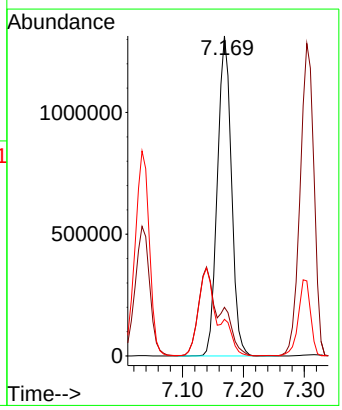


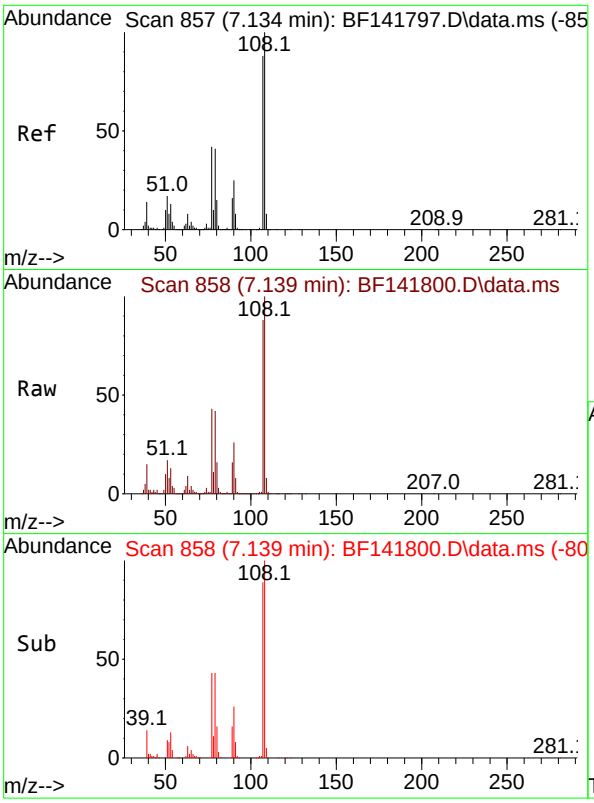


#16
2,2'-oxybis(1-Chloropropane)
Concen: 71.973 ng
RT: 7.169 min Scan# 863
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 45 Resp: 2095843

Ion	Ratio	Lower	Upper
45	100		
77	15.2	0.0	34.4
79	11.5	0.0	30.9

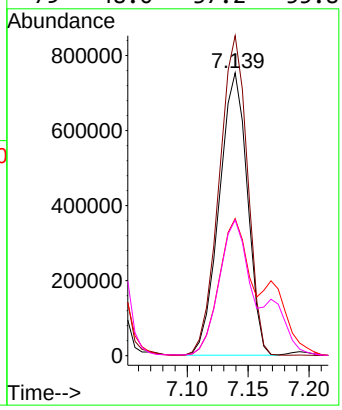




#17
2-Methylphenol
Concen: 75.016 ng
RT: 7.139 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:107 Resp: 121143

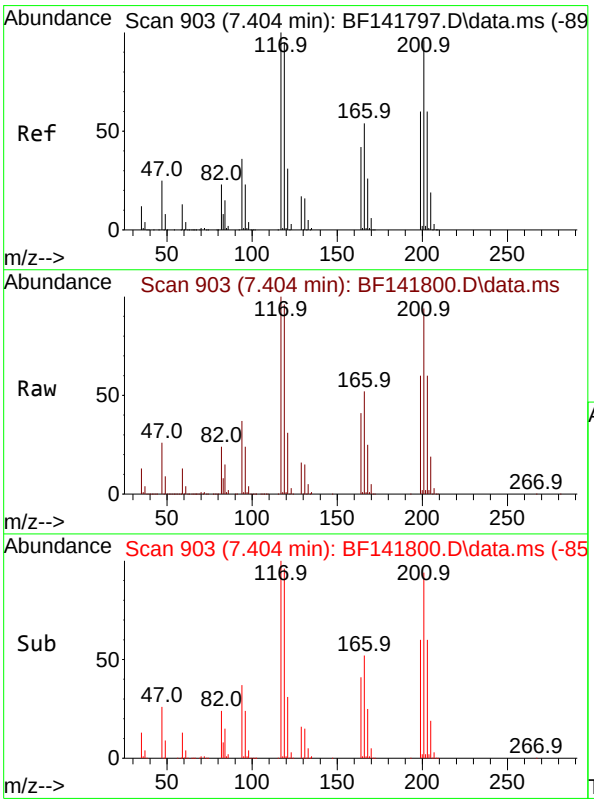
Ion	Ratio	Lower	Upper
107	100		
108	113.1	90.6	135.8
77	48.5	37.7	56.5
79	48.0	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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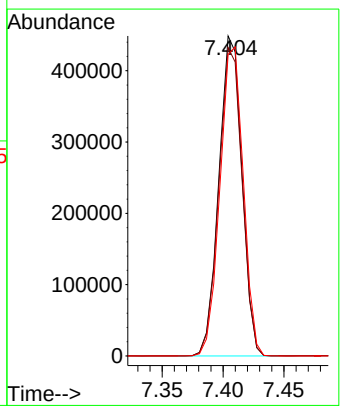
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

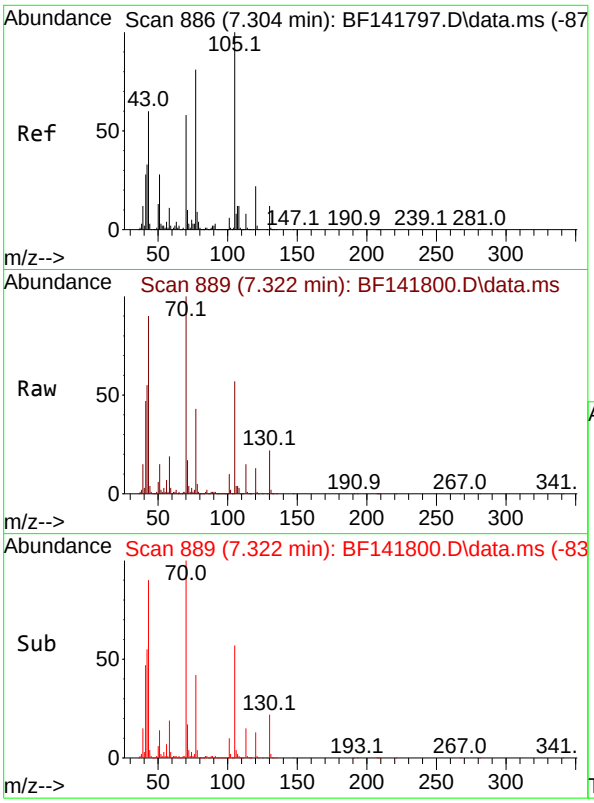


#18
Hexachloroethane
Concen: 75.056 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:117 Resp: 593057

Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.8	113.8
201	94.2	76.7	115.1

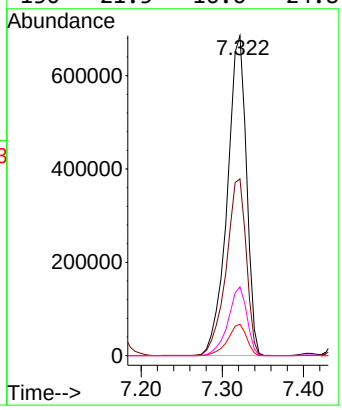




#19
n-Nitroso-di-n-propylamine
Concen: 72.793 ng
RT: 7.322 min Scan# 8
Delta R.T. 0.017 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 70 Resp: 112642

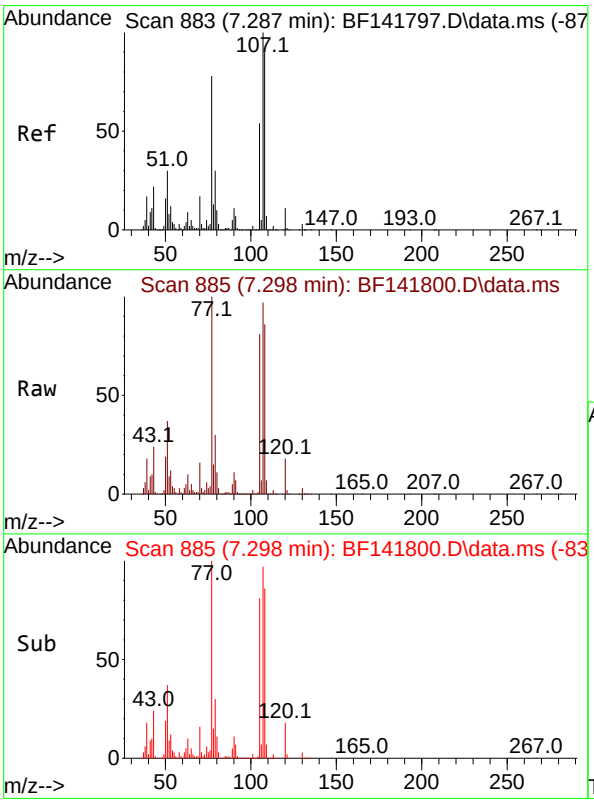
Ion	Ratio	Lower	Upper
70	100		
42	55.3	45.4	68.0
101	9.8	7.8	11.8
130	21.5	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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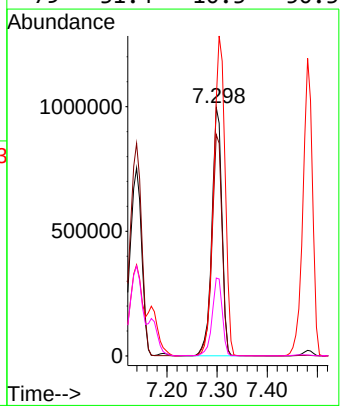
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

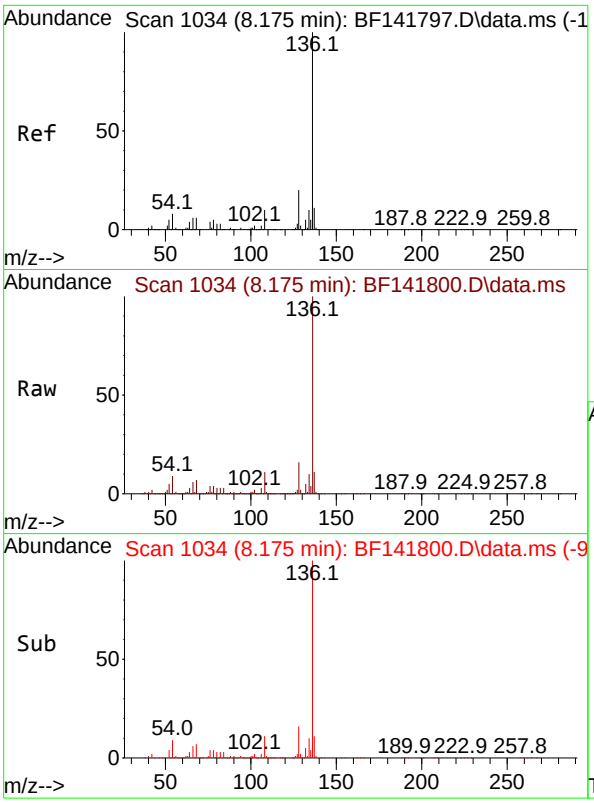


#20
3+4-Methylphenols
Concen: 68.816 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:107 Resp: 1383814

Ion	Ratio	Lower	Upper
107	100		
108	89.1	69.7	109.7
77	103.3	58.3	98.3#
79	31.4	10.3	50.3

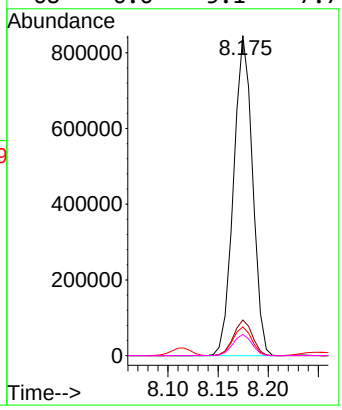




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:136 Resp: 111493

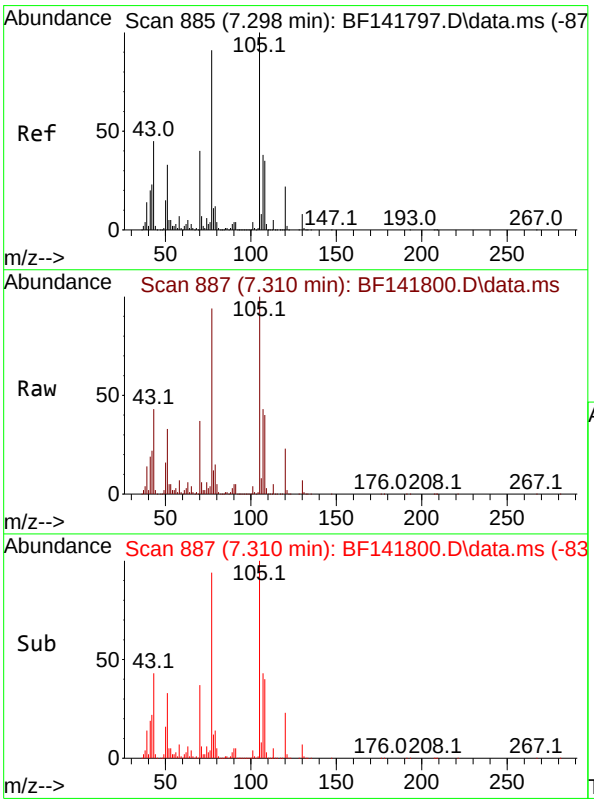
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.0	6.9	10.3
68	6.6	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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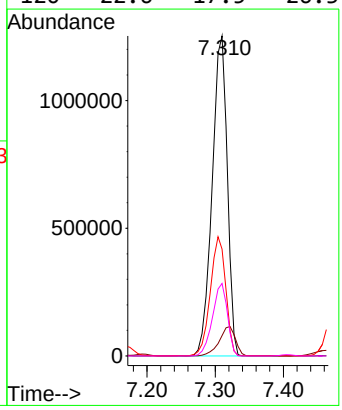
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

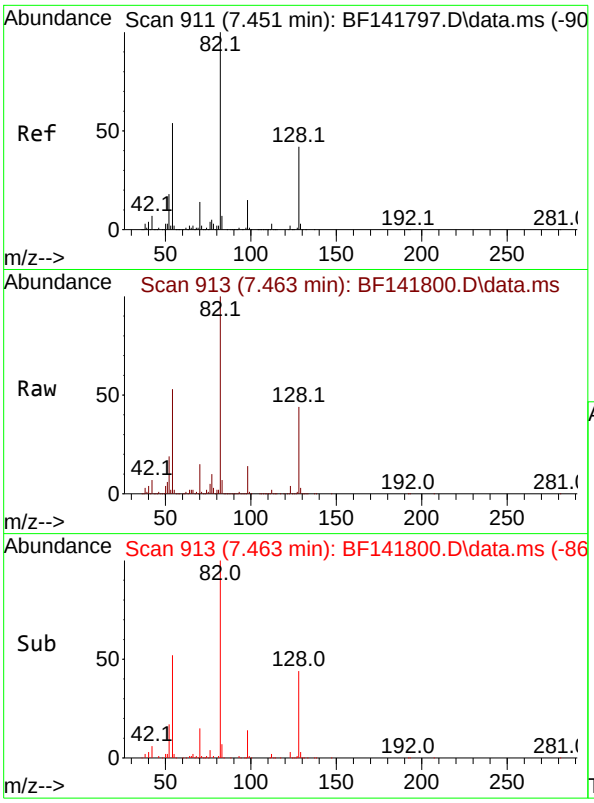


#22
Acetophenone
Concen: 71.209 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:105 Resp: 1933636

Ion	Ratio	Lower	Upper
105	100		
71	6.3	5.4	8.0
51	33.4	26.1	39.1
120	22.6	17.5	26.3

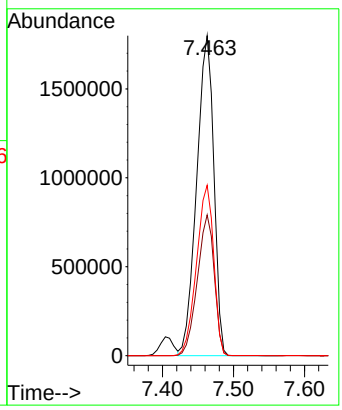




#23
Nitrobenzene-d5
Concen: 173.576 ng
RT: 7.463 min Scan# 9
Delta R.T. 0.011 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 82 Resp: 302761

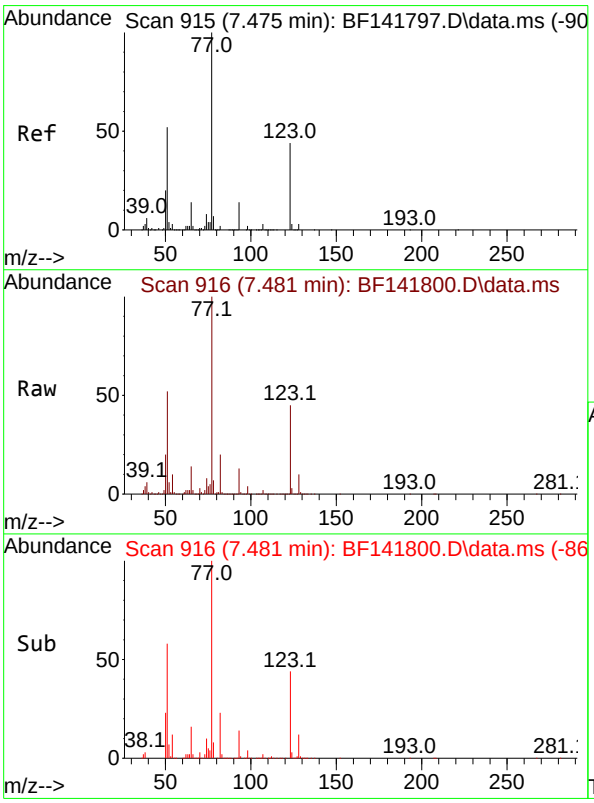
Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.5	50.3
54	53.3	42.7	64.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

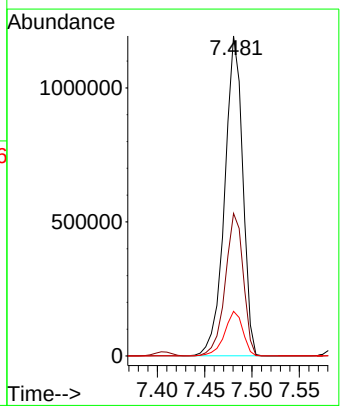
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

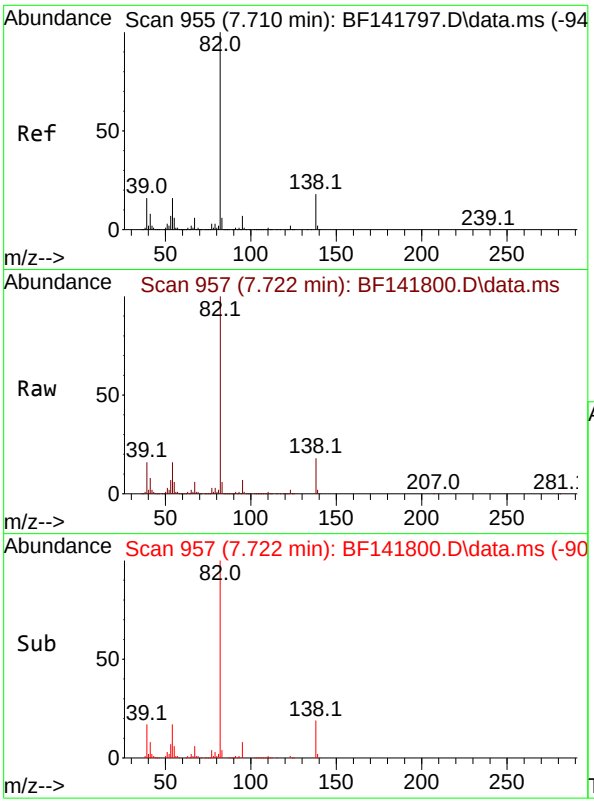


#24
Nitrobenzene
Concen: 84.587 ng
RT: 7.481 min Scan# 916
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 77 Resp: 1579955

Ion	Ratio	Lower	Upper
77	100		
123	44.5	35.8	53.8
65	14.0	11.2	16.8

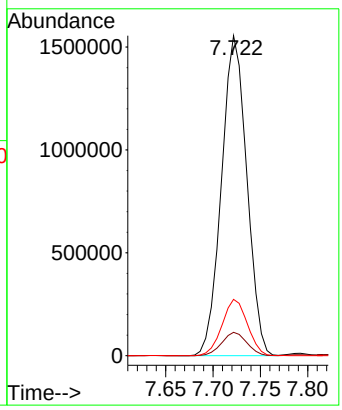




#25
Isophorone
Concen: 77.230 ng
RT: 7.722 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 82 Resp: 289404

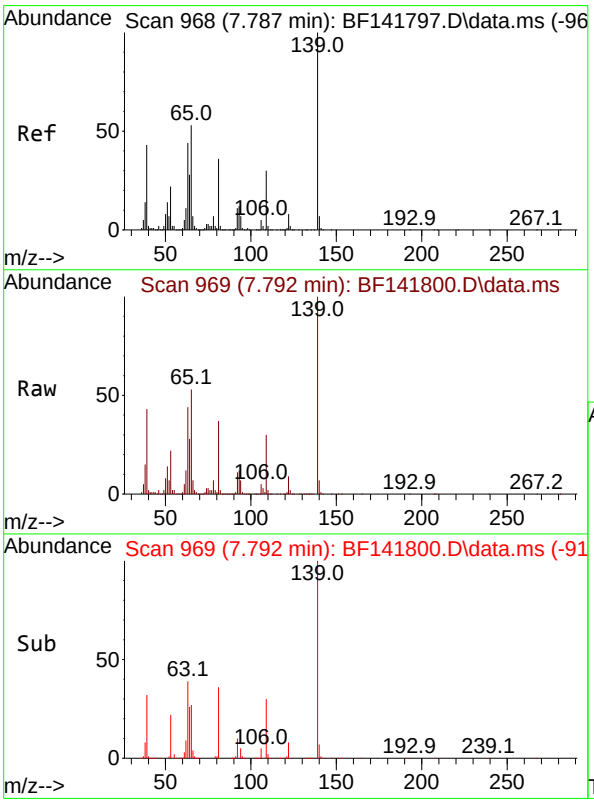
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	17.6	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

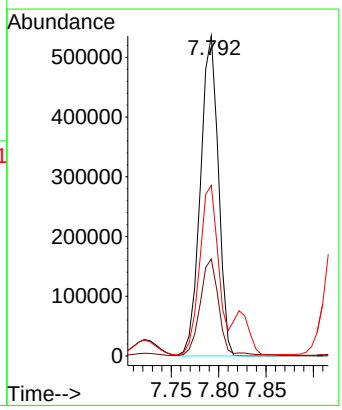
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

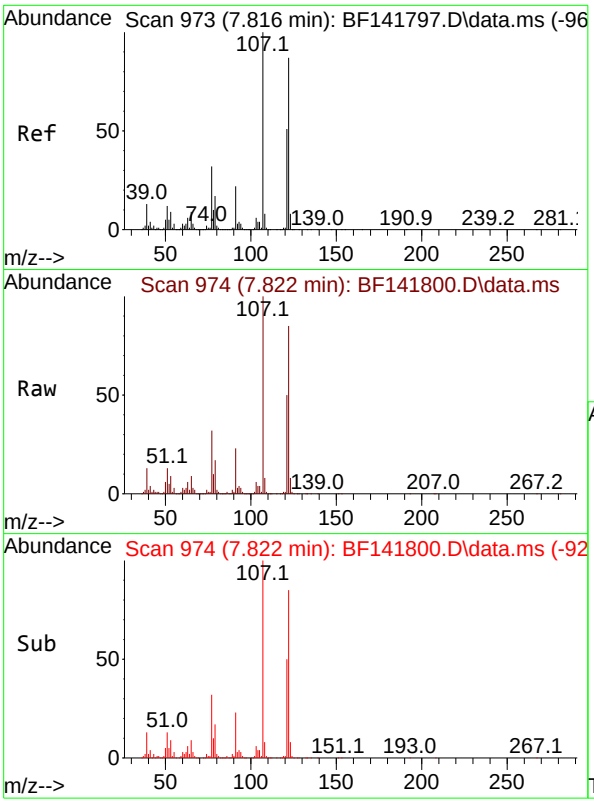


#26
2-Nitrophenol
Concen: 81.046 ng
RT: 7.792 min Scan# 969
Delta R.T. 0.005 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:139 Resp: 705125

Ion	Ratio	Lower	Upper
139	100		
109	30.3	24.1	36.1
65	53.3	42.3	63.5

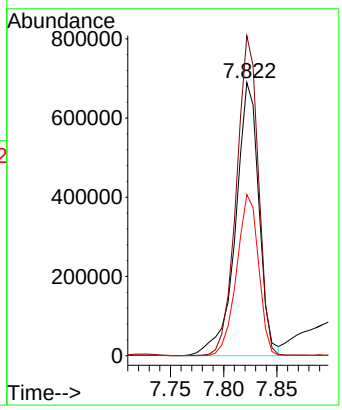




#27
2,4-Dimethylphenol
Concen: 76.304 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:122 Resp: 105107

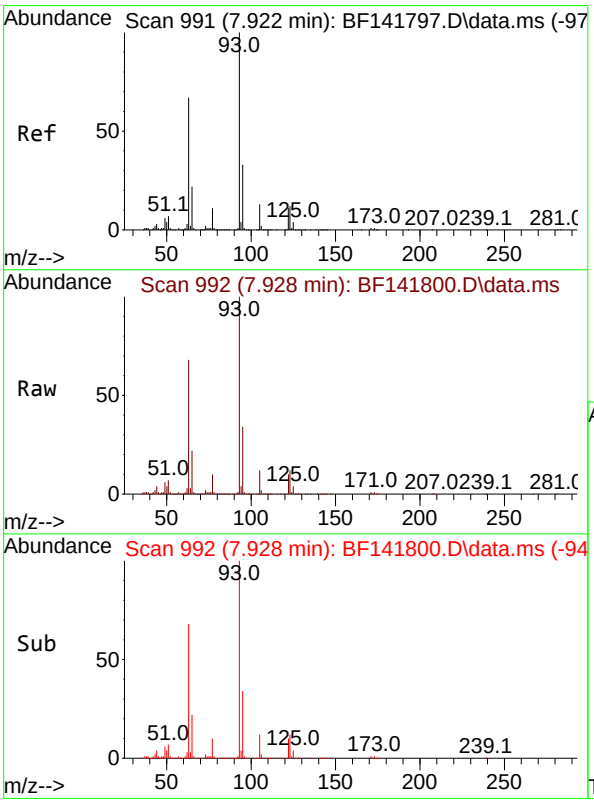
Ion	Ratio	Lower	Upper
122	100		
107	117.2	92.5	138.7
121	59.0	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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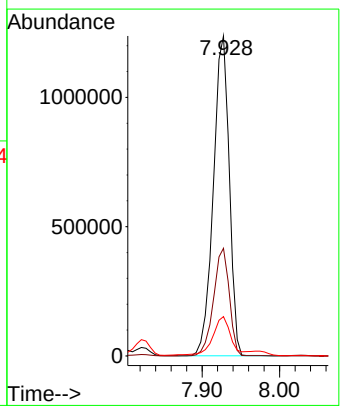
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

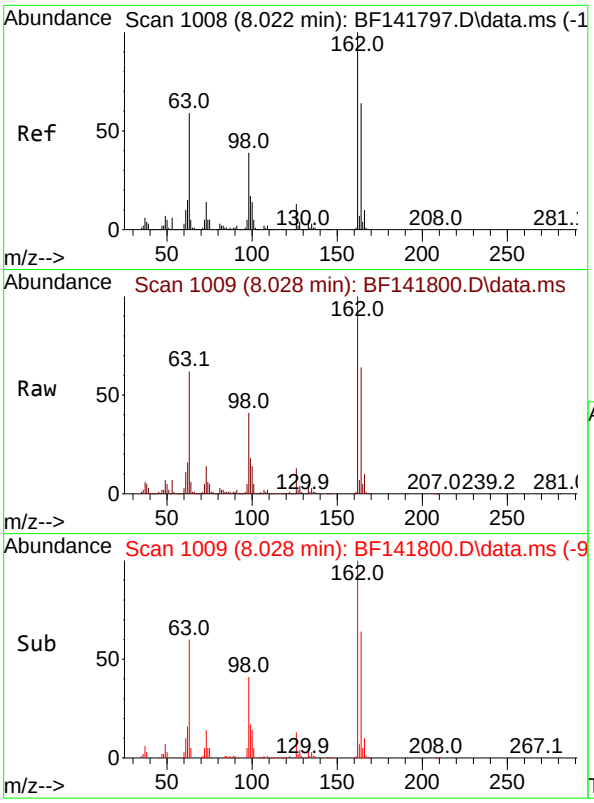


#28
bis(2-Chloroethoxy)methane
Concen: 73.596 ng
RT: 7.928 min Scan# 992
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 93 Resp: 1759255

Ion	Ratio	Lower	Upper
93	100		
95	33.7	26.5	39.7
123	12.3	10.0	15.0





#29
2,4-Dichlorophenol
Concen: 77.239 ng
RT: 8.028 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

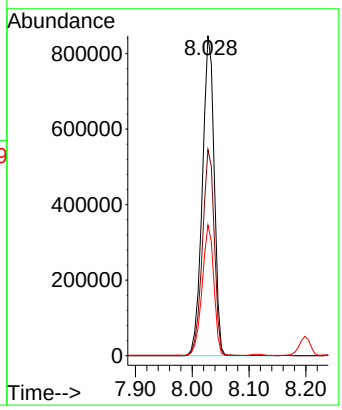
Tgt Ion:162 Resp: 122740

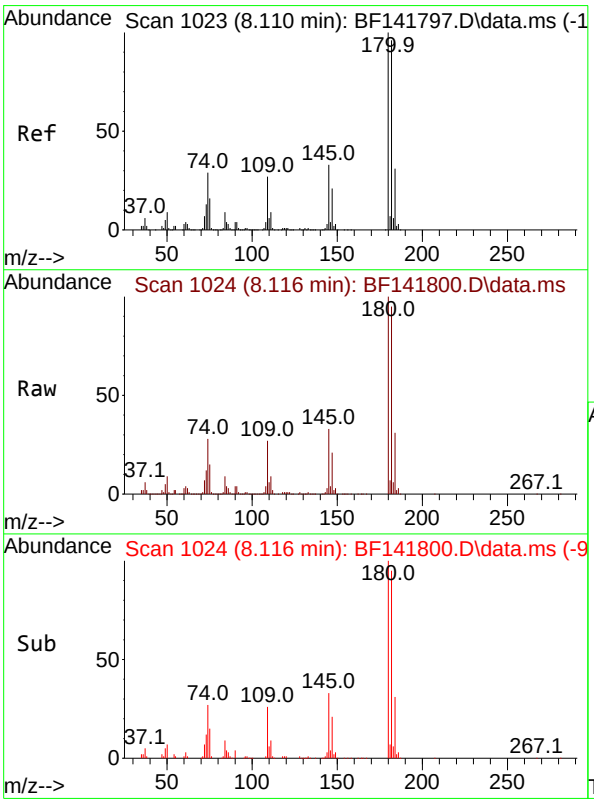
Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.3	84.3
98	40.8	19.6	59.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

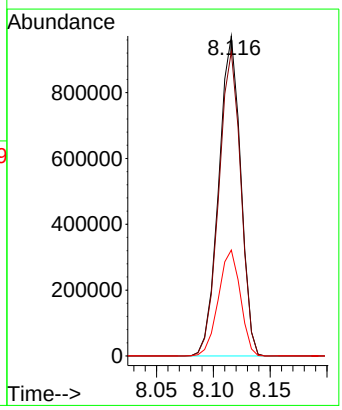


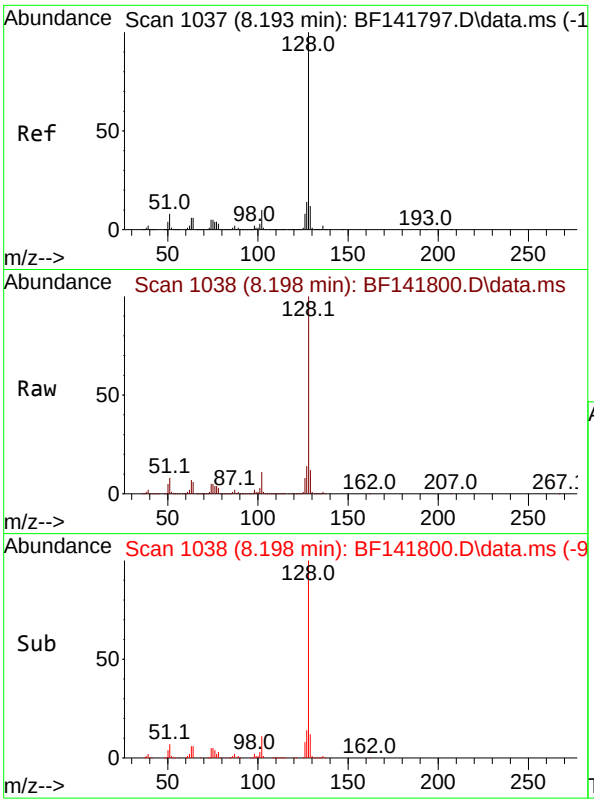


#30
1,2,4-Trichlorobenzene
Concen: 74.888 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:180 Resp: 1304033

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.8	115.2
145	33.1	26.4	39.6





#31
Naphthalene
Concen: 70.504 ng
RT: 8.198 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

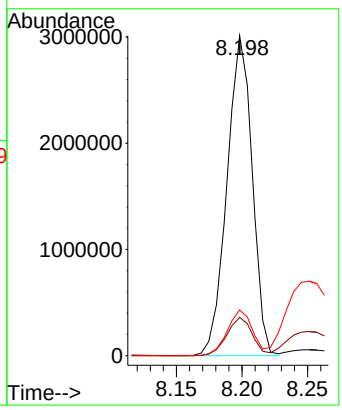
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

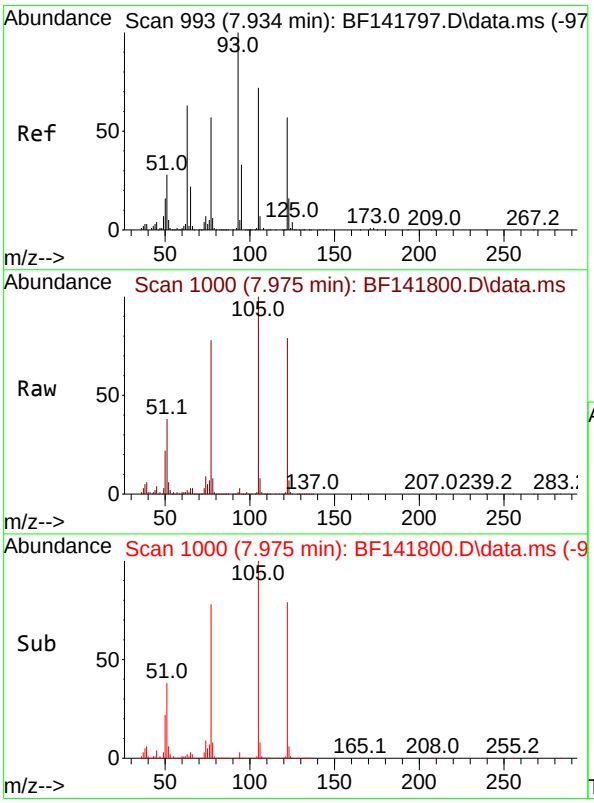
Tgt Ion:128 Resp: 404011

Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.2	13.8
127	14.3	11.0	16.4

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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

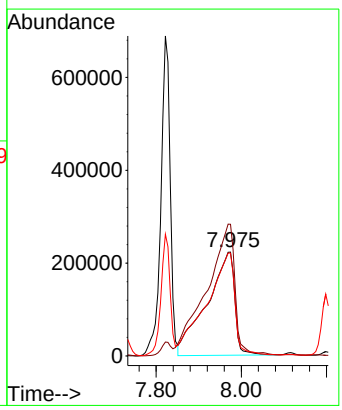


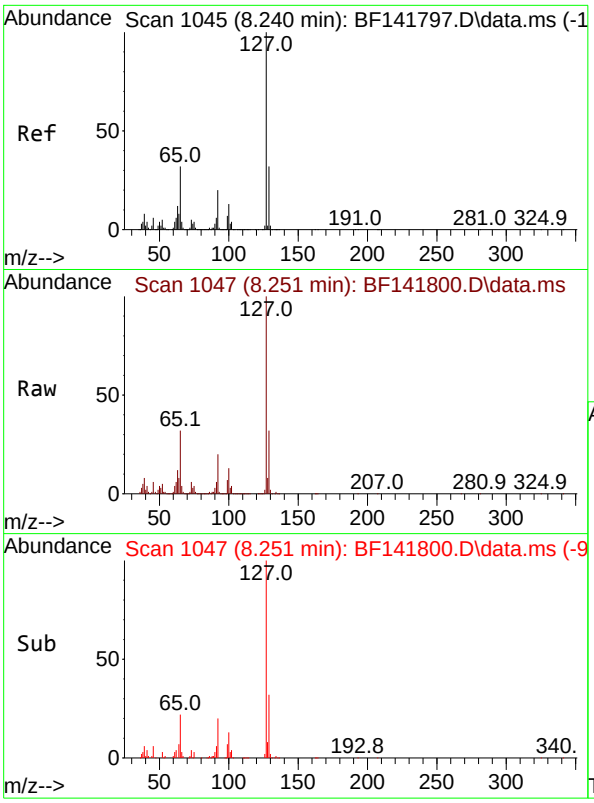


#32
Benzoic acid
Concen: 81.363 ng
RT: 7.975 min Scan# 1000
Delta R.T. 0.041 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:122 Resp: 1008619

Ion	Ratio	Lower	Upper
122	100		
105	126.8	105.8	145.8
77	99.0	79.9	119.9

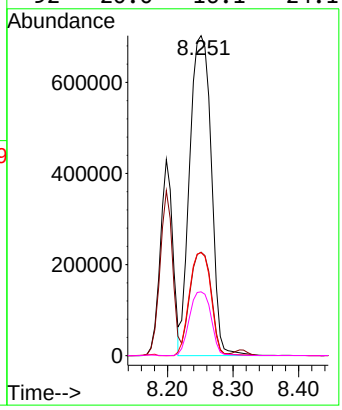




#33
4-Chloroaniline
Concen: 76.489 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:127 Resp: 160709

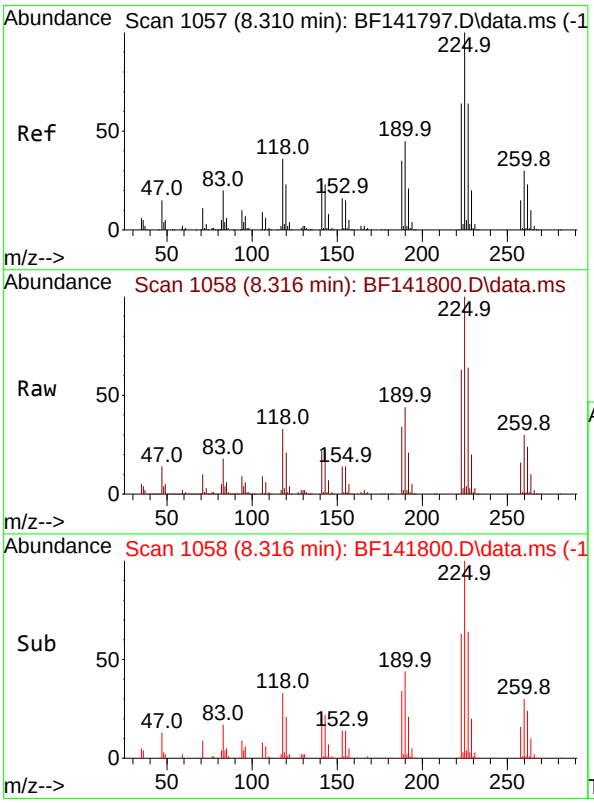
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	32.2	25.7	38.5
92	20.0	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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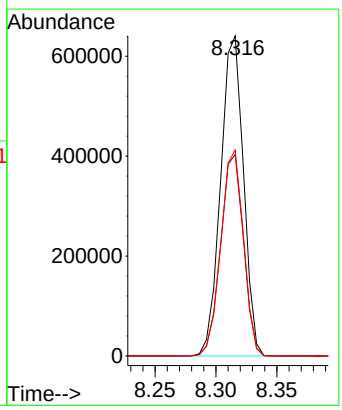
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

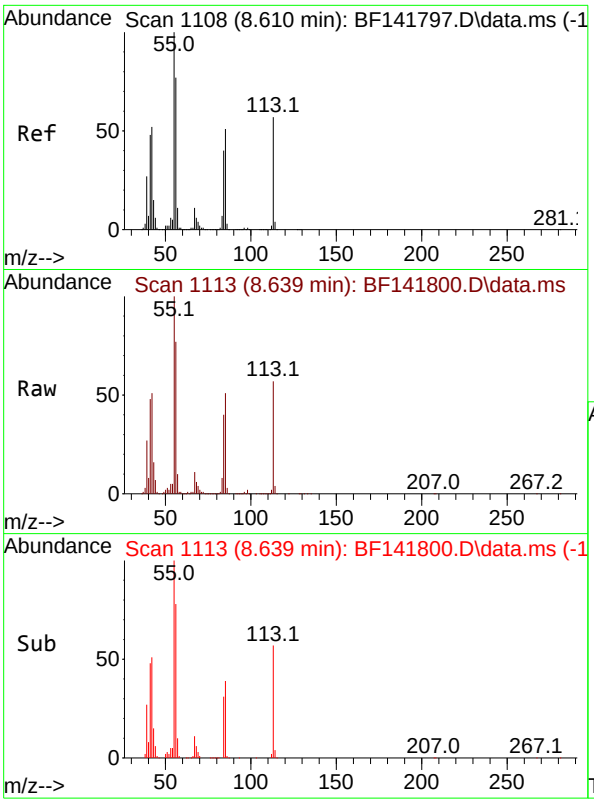


#34
Hexachlorobutadiene
Concen: 77.265 ng
RT: 8.316 min Scan# 1058
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:225 Resp: 836069

Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.4	77.2
227	64.3	51.6	77.4





#35
Caprolactam
Concen: 78.359 ng
RT: 8.639 min Scan# 1
Delta R.T. 0.029 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

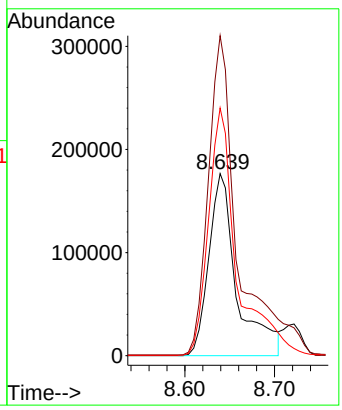
Tgt Ion:113 Resp: 38314

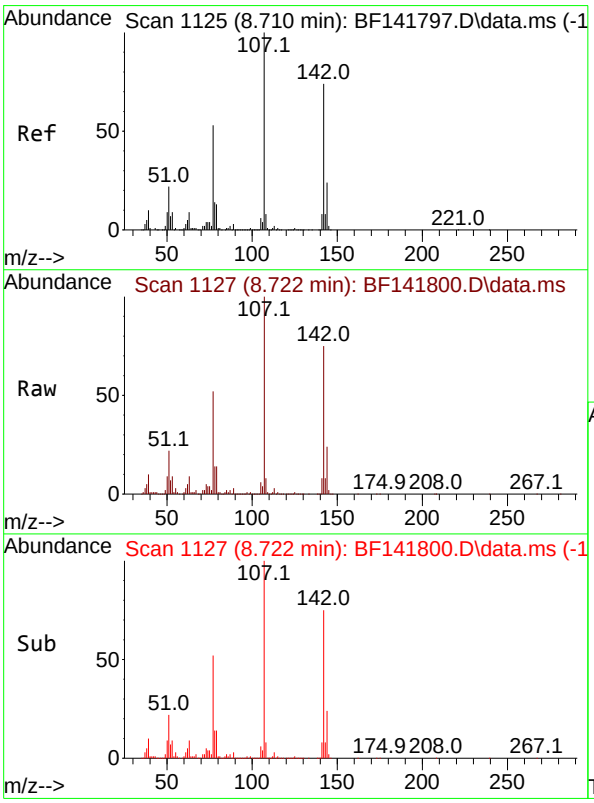
Ion	Ratio	Lower	Upper
113	100		
55	175.7	155.6	195.6
56	136.0	114.6	154.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

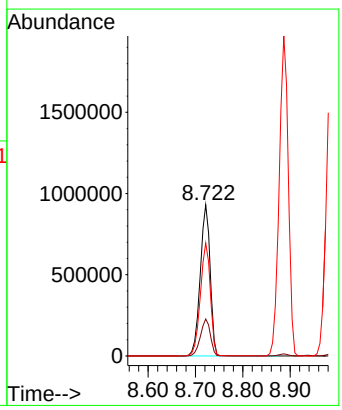


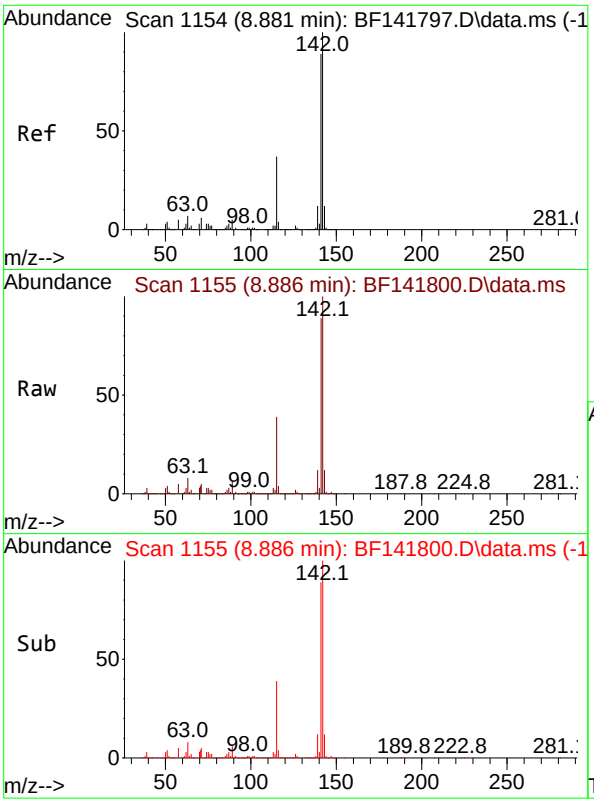


#36
4-Chloro-3-methylphenol
Concen: 76.431 ng
RT: 8.722 min Scan# 1127
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:107 Resp: 1349234

Ion	Ratio	Lower	Upper
107	100		
144	24.4	19.4	29.0
142	74.7	59.4	89.0

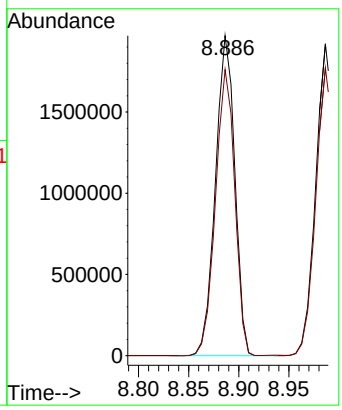




#37
2-Methylnaphthalene
Concen: 70.167 ng
RT: 8.886 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:142 Resp: 263730

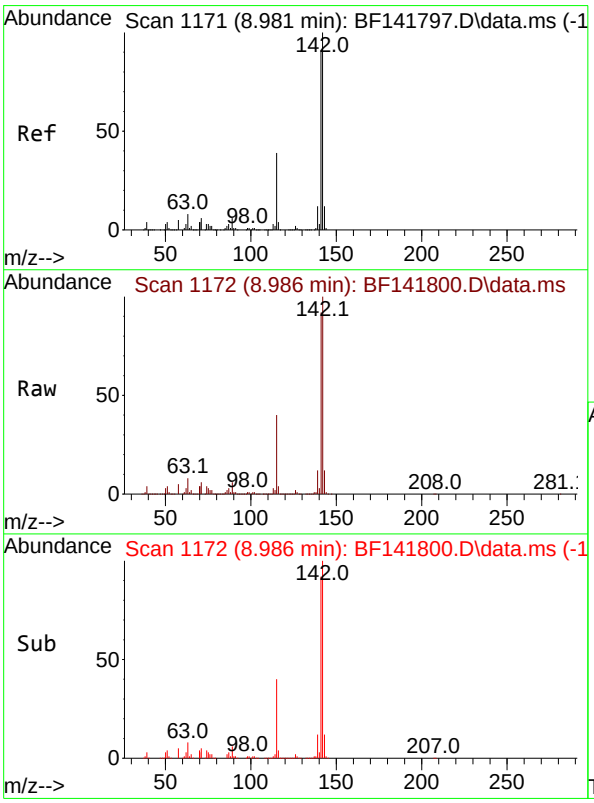
Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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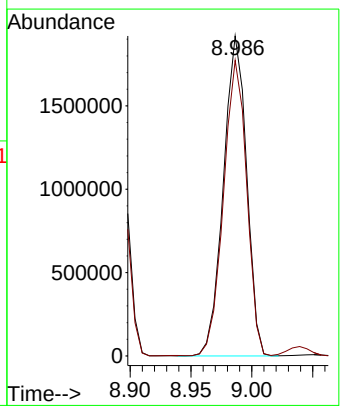
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

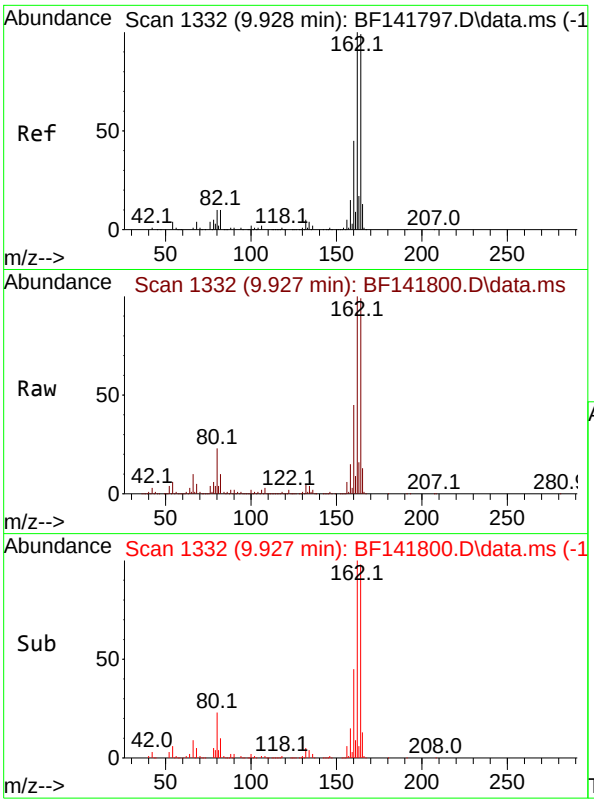


#38
1-Methylnaphthalene
Concen: 70.457 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:142 Resp: 2541019

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7

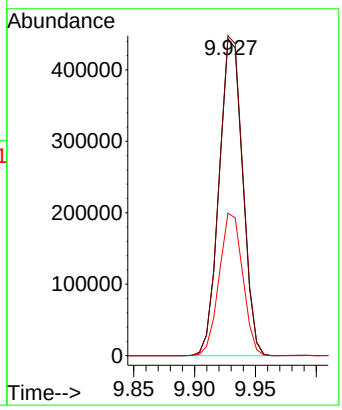




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:164 Resp: 59668

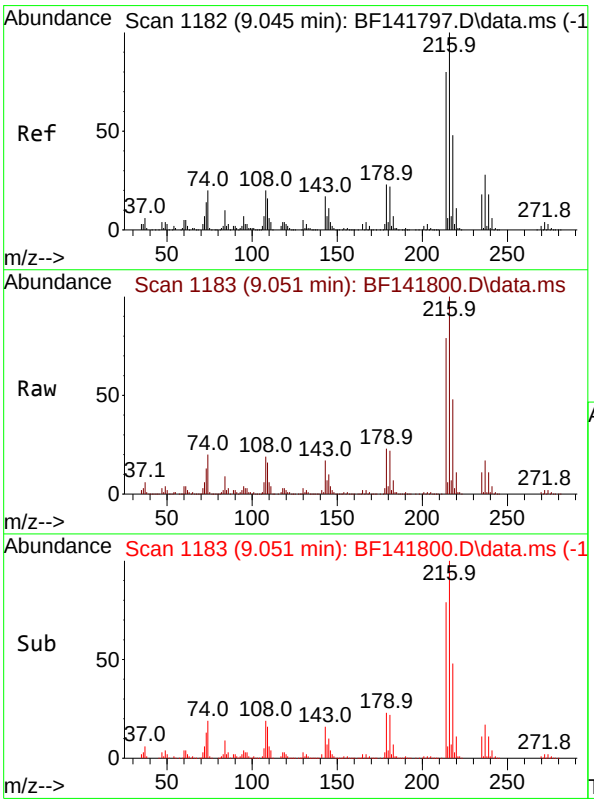
Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	120.8
160	44.9	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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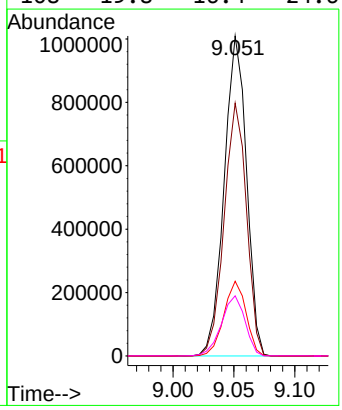
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

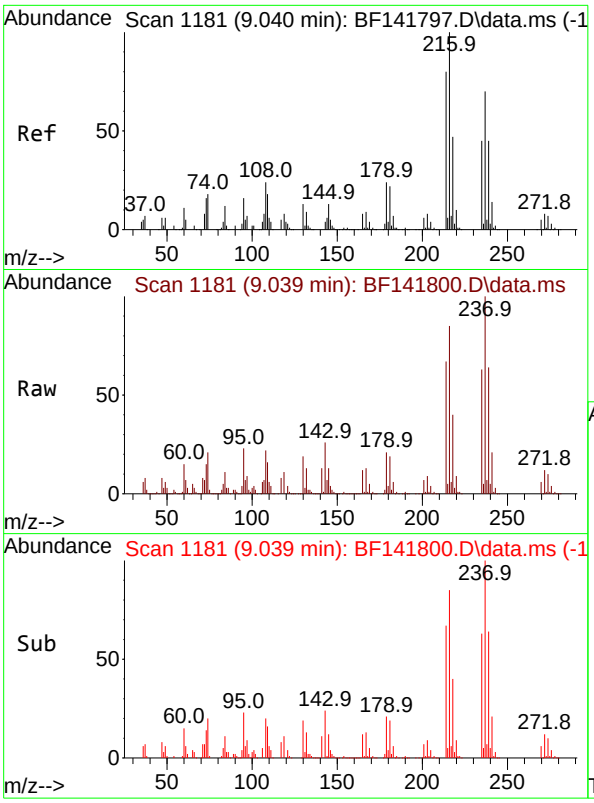


#40
1,2,4,5-Tetrachlorobenzene
Concen: 74.773 ng
RT: 9.051 min Scan# 1183
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:216 Resp: 1288540

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.5	95.3
179	23.2	18.1	27.1
108	19.8	16.4	24.6





#41
Hexachlorocyclopentadiene
Concen: 78.461 ng
RT: 9.039 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

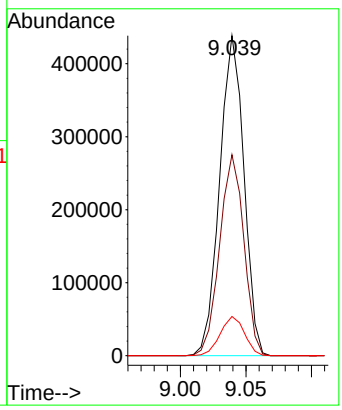
Tgt Ion:237 Resp: 56426

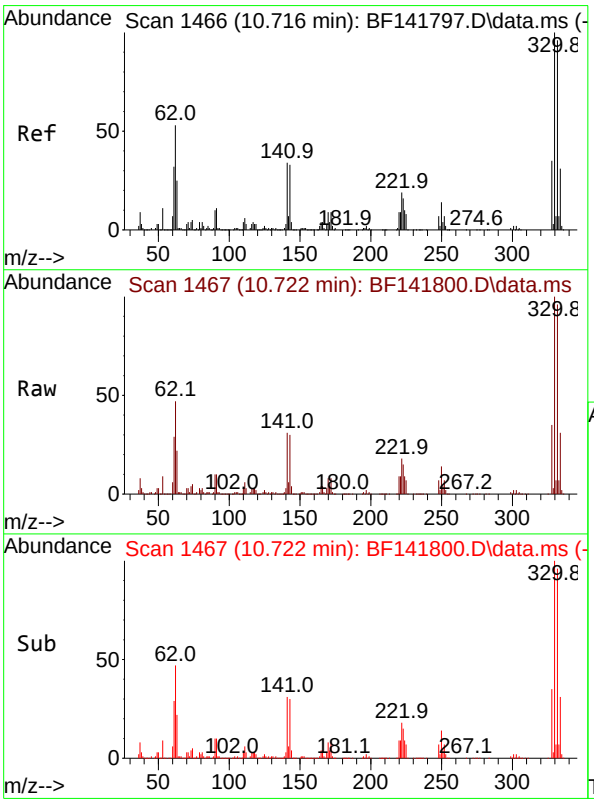
Ion	Ratio	Lower	Upper
237	100		
235	62.8	43.3	83.3
272	12.3	0.0	31.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

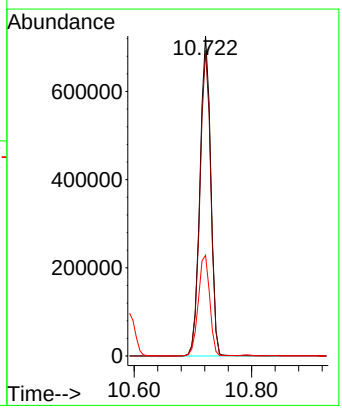


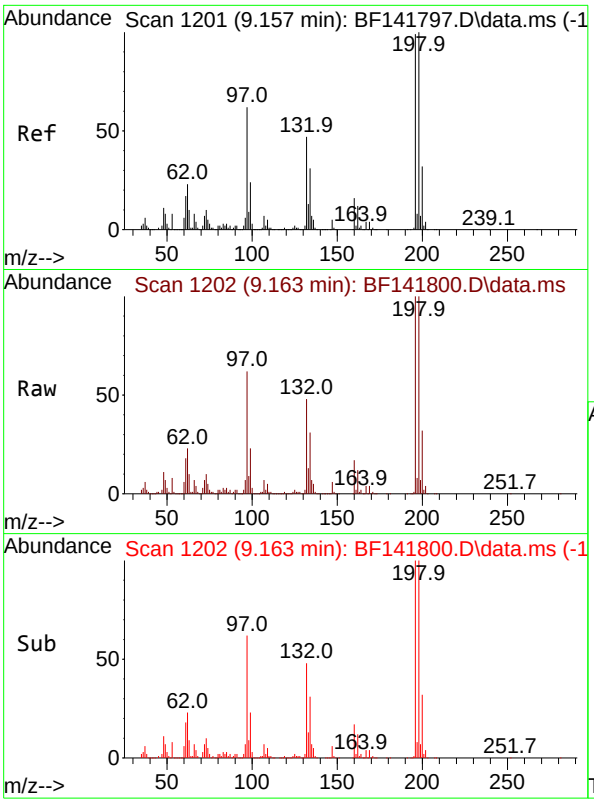


#42
2,4,6-Tribromophenol
Concen: 164.969 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:330 Resp: 924112

Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	33.3	29.0	43.4

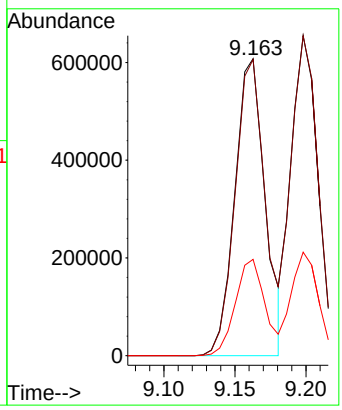




#43
2,4,6-Trichlorophenol
Concen: 80.742 ng
RT: 9.163 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:196 Resp: 89879

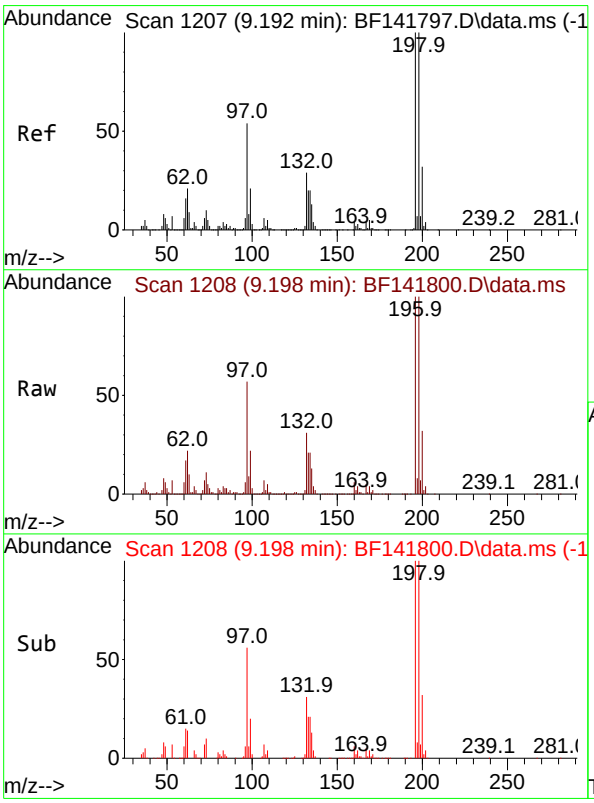
Ion	Ratio	Lower	Upper
196	100		
198	99.7	80.4	120.6
200	32.4	25.7	38.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

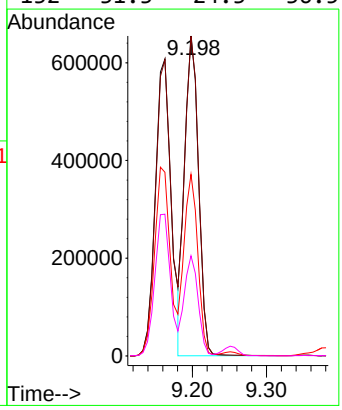
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

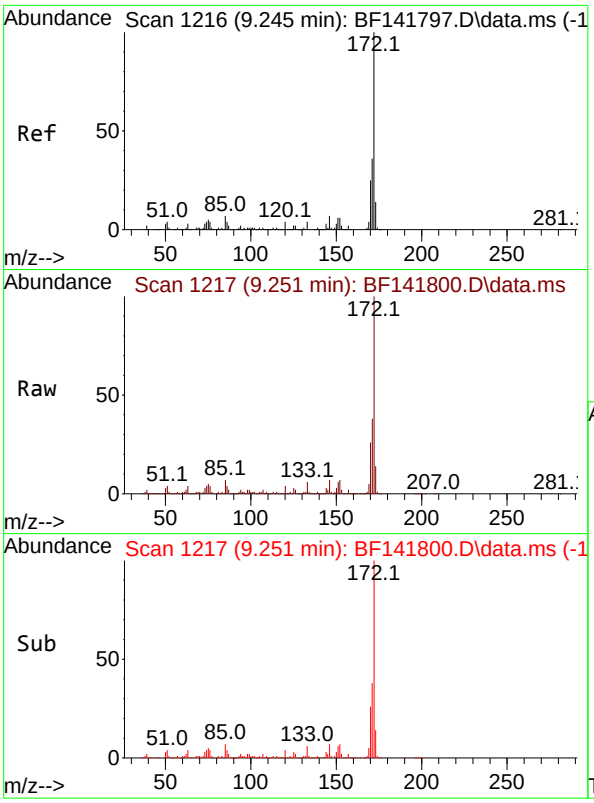


#44
2,4,5-Trichlorophenol
Concen: 77.984 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:196 Resp: 859610

Ion	Ratio	Lower	Upper
196	100		
198	99.9	79.7	119.5
97	56.8	44.2	66.2
132	31.3	24.3	36.5

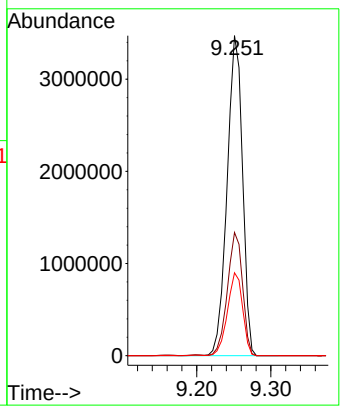




#45
2-Fluorobiphenyl
Concen: 134.541 ng
RT: 9.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:172 Resp: 500660

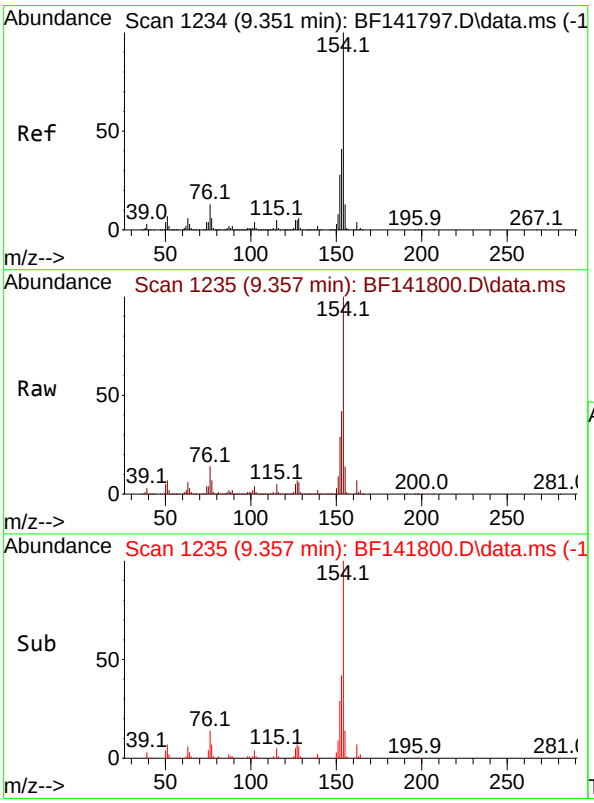
Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.2	43.8
170	25.9	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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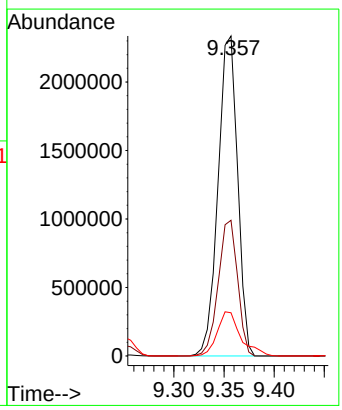
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

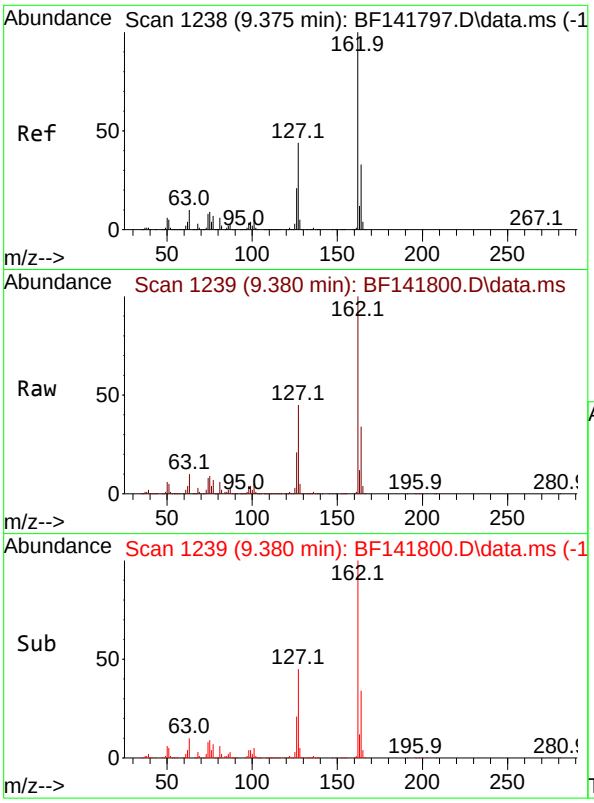


#46
1,1'-Biphenyl
Concen: 69.499 ng
RT: 9.357 min Scan# 1235
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:154 Resp: 3156440

Ion	Ratio	Lower	Upper
154	100		
153	42.4	21.4	61.4
76	13.5	0.0	33.4

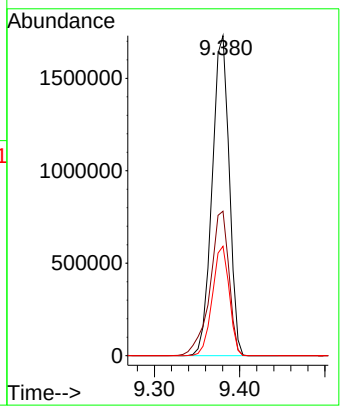




#47
2-Chloronaphthalene
Concen: 71.641 ng
RT: 9.380 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:162 Resp: 240146

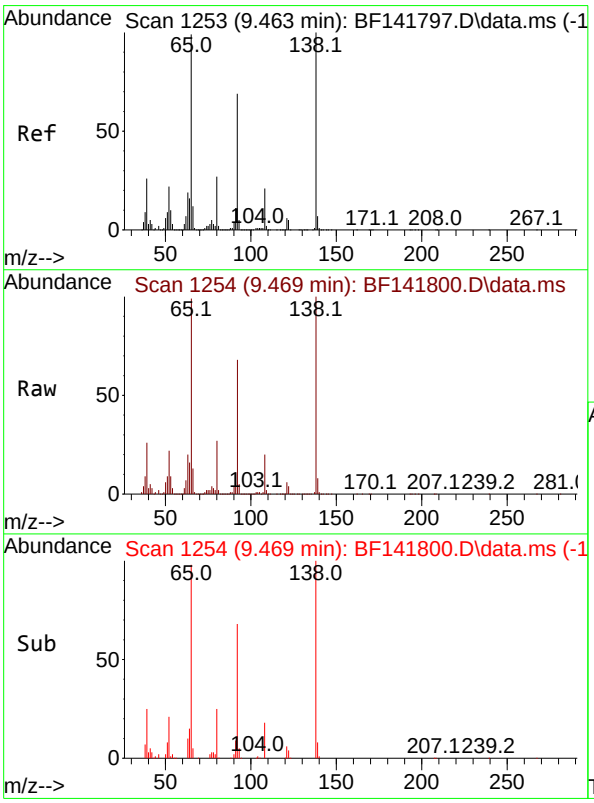
Ion	Ratio	Lower	Upper
162	100		
127	45.2	35.0	52.6
164	34.2	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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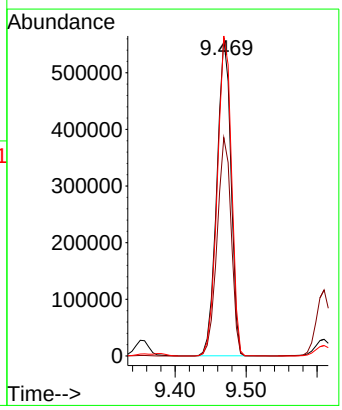
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

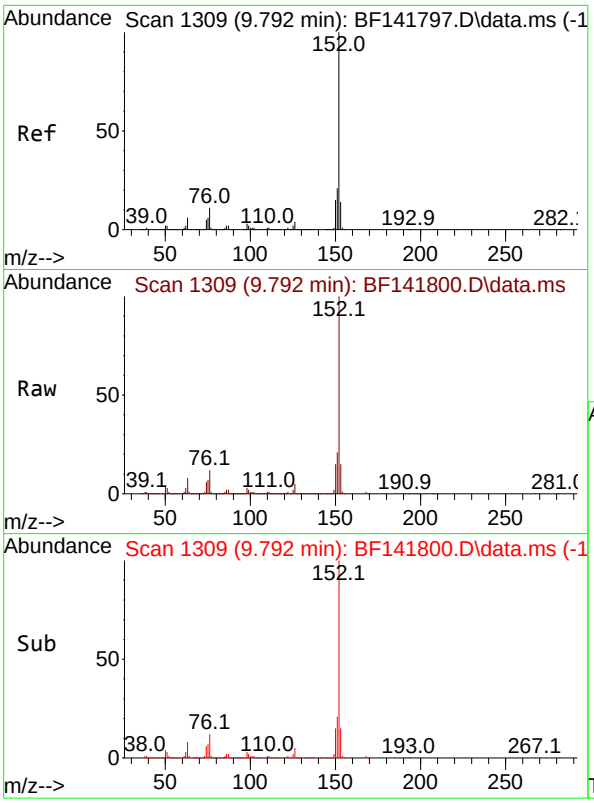


#48
2-Nitroaniline
Concen: 80.727 ng
RT: 9.469 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 65 Resp: 770567

Ion	Ratio	Lower	Upper
65	100		
92	68.7	55.7	83.5
138	100.7	80.6	121.0

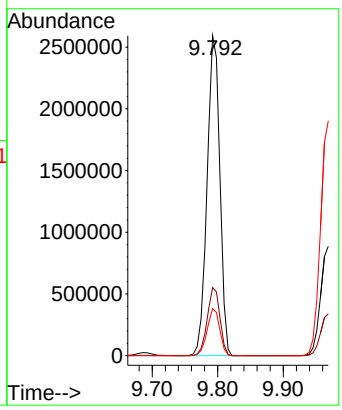




#49
Acenaphthylene
Concen: 69.880 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:152 Resp: 351207

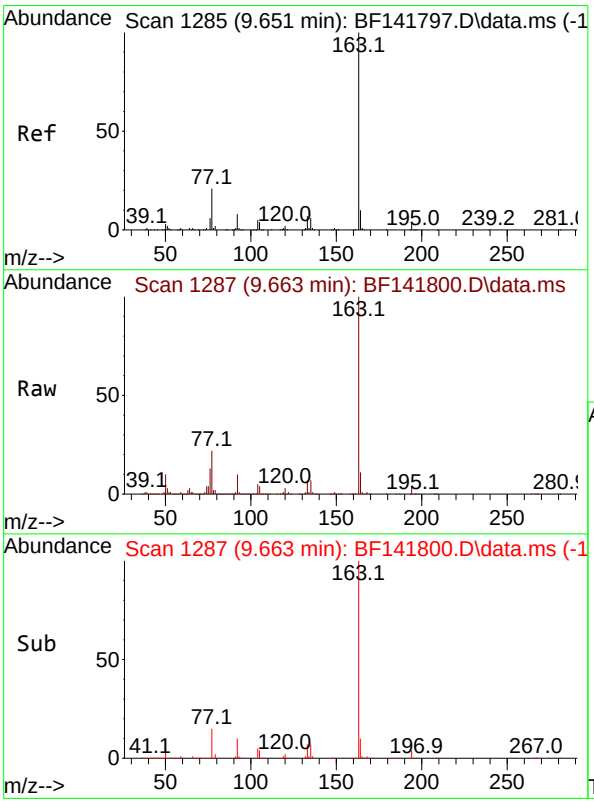
Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.6	24.8
153	14.7	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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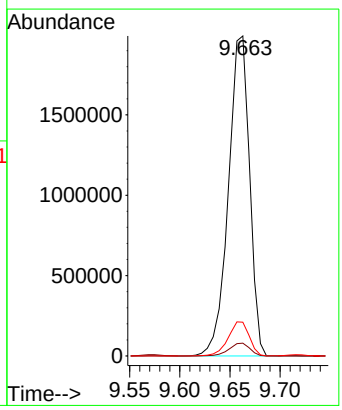
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

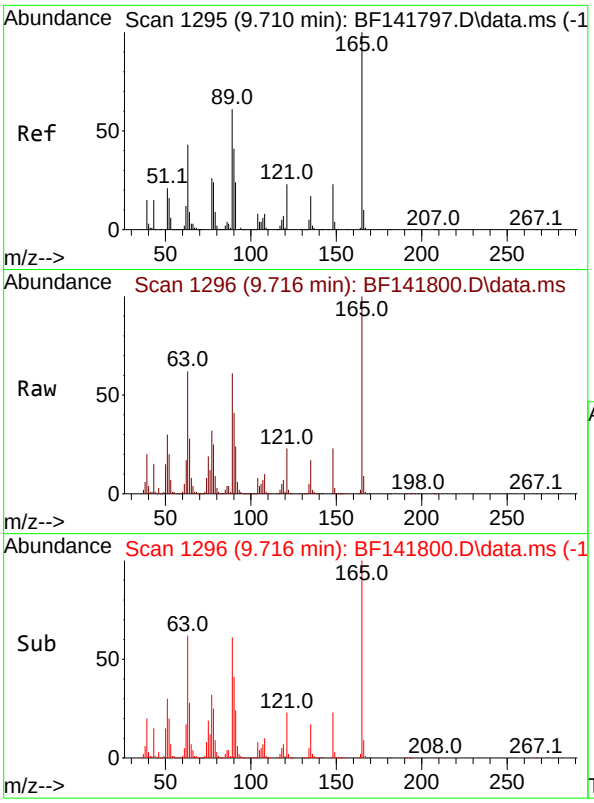


#50
Dimethylphthalate
Concen: 73.107 ng
RT: 9.663 min Scan# 1287
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:163 Resp: 2921217

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.5	8.4	12.6





#51
2,6-Dinitrotoluene
Concen: 79.481 ng
RT: 9.716 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

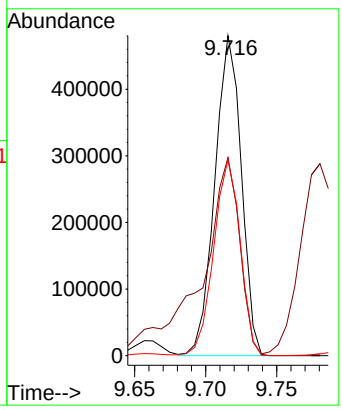
Tgt Ion:165 Resp: 62262

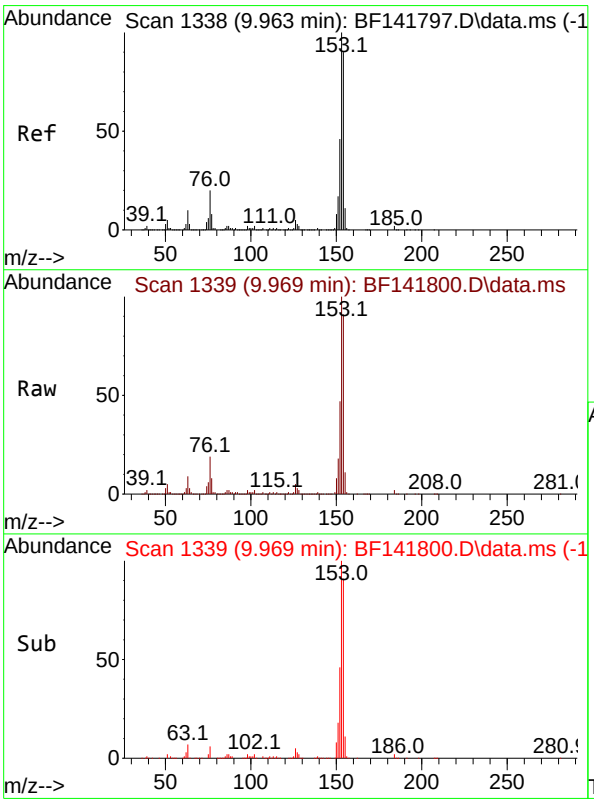
Ion	Ratio	Lower	Upper
165	100		
63	61.9	49.5	74.3
89	61.1	49.0	73.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

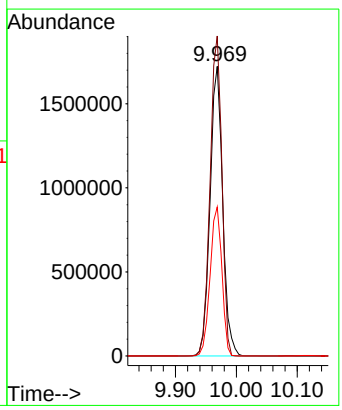


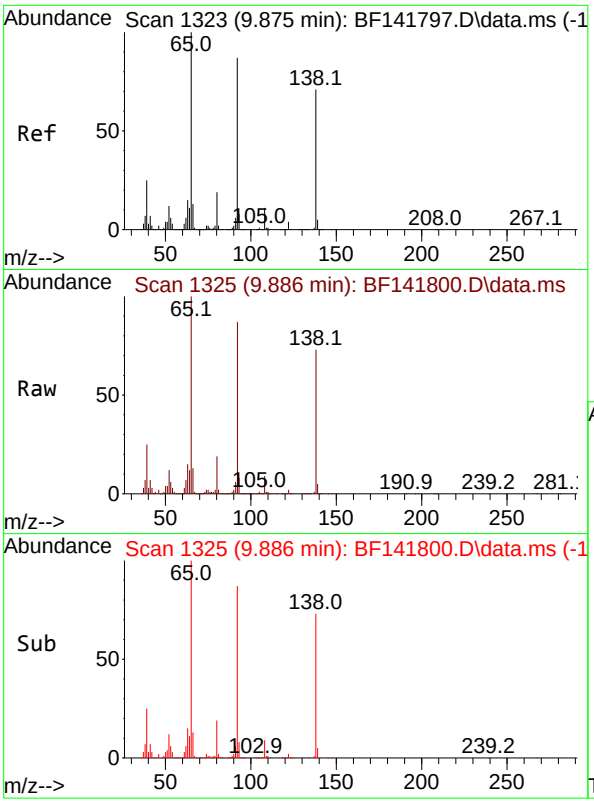


#52
Acenaphthene
Concen: 73.139 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:154 Resp: 2480302

Ion	Ratio	Lower	Upper
154	100		
153	110.5	88.7	133.1
152	51.5	40.9	61.3





#53
3-Nitroaniline
Concen: 79.835 ng
RT: 9.886 min Scan# 1
Delta R.T. 0.011 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

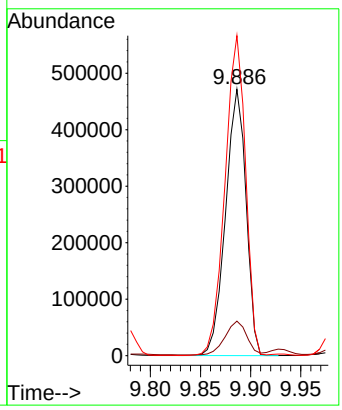
Tgt Ion:138 Resp: 66711

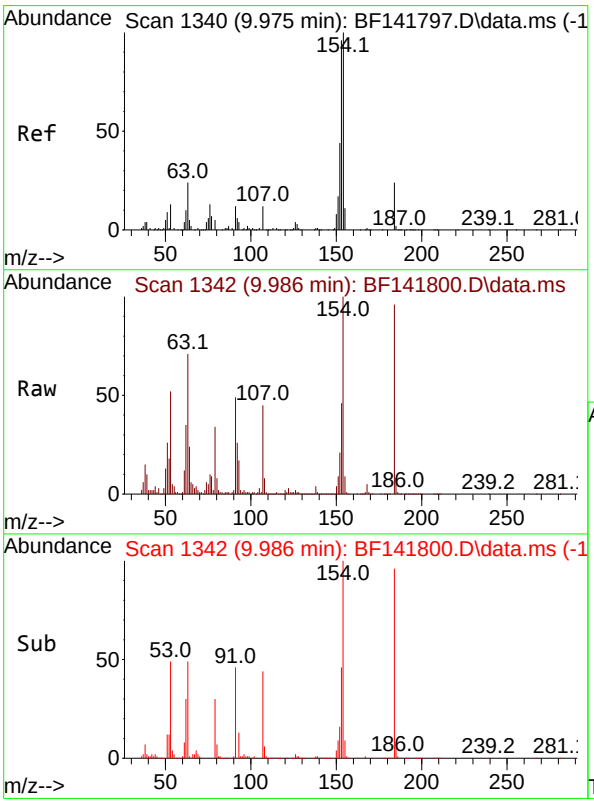
Ion	Ratio	Lower	Upper
138	100		
108	13.0	12.7	19.1
92	120.1	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

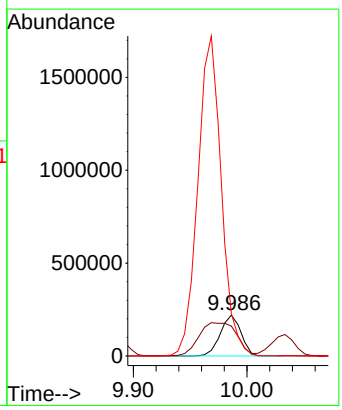


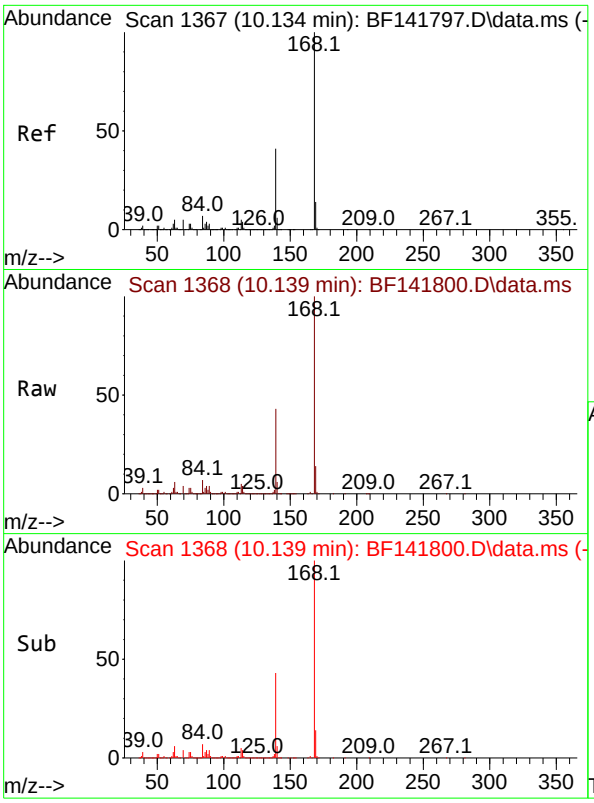


#54
2,4-Dinitrophenol
Concen: 79.409 ng
RT: 9.986 min Scan# 1342
Delta R.T. 0.011 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:184 Resp: 277943

Ion	Ratio	Lower	Upper
184	100		
63	73.4	79.0	118.6#
154	103.9	335.8	503.8#

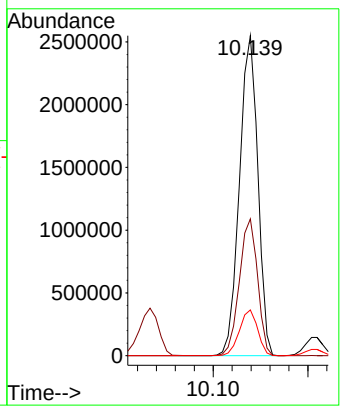




#55
Dibenzofuran
Concen: 69.448 ng
RT: 10.139 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:168 Resp: 342789

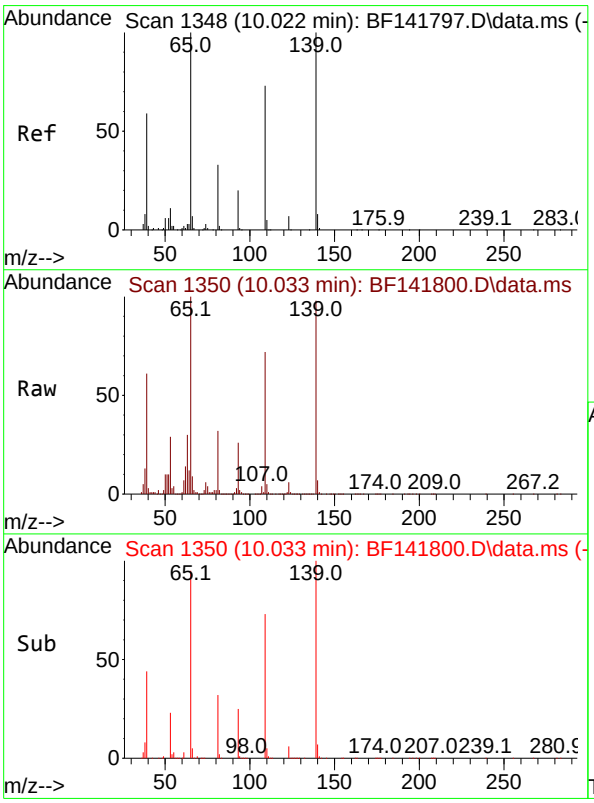
Ion	Ratio	Lower	Upper
168	100		
139	42.7	32.9	49.3
169	14.3	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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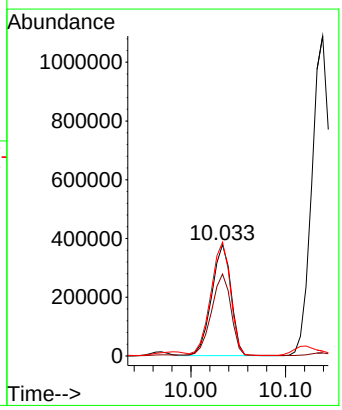
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

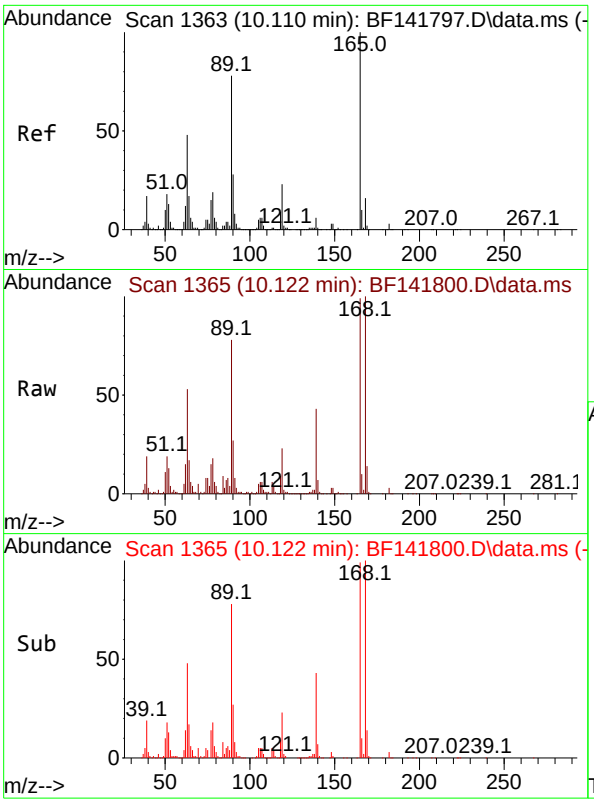


#56
4-Nitrophenol
Concen: 91.723 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:139 Resp: 541317

Ion	Ratio	Lower	Upper
139	100		
109	73.6	53.4	93.4
65	102.2	82.1	122.1

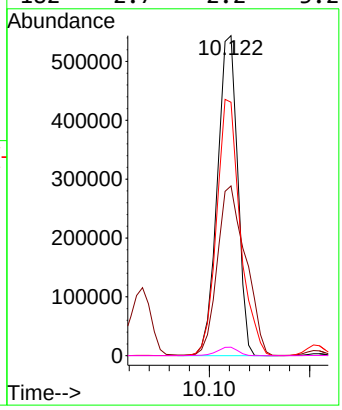




#57
2,4-Dinitrotoluene
Concen: 79.344 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:165 Resp: 76401

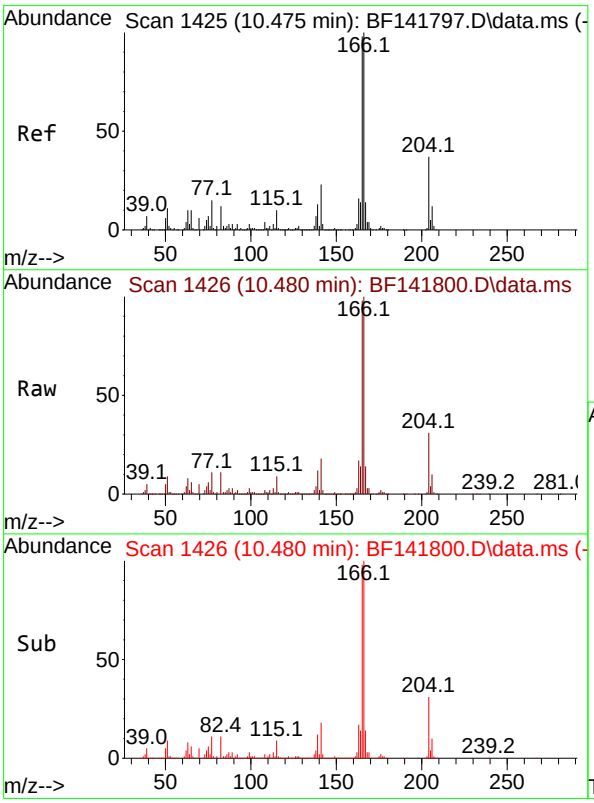
Ion	Ratio	Lower	Upper
165	100		
63	53.1	38.8	58.2
89	79.2	62.6	94.0
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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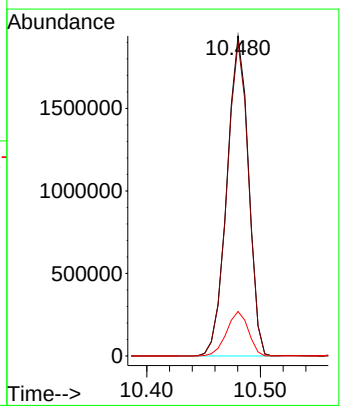
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

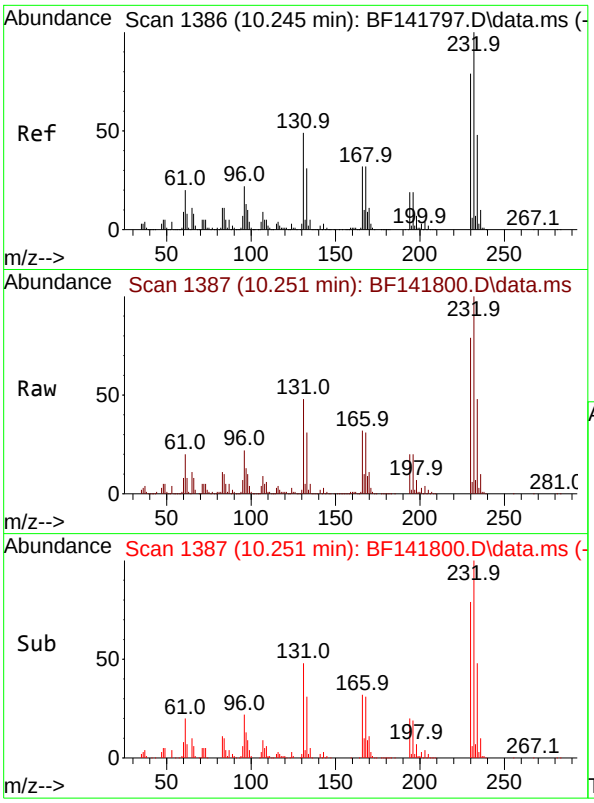


#58
Fluorene
Concen: 69.170 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:166 Resp: 2557382

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.6	117.8
167	13.9	11.0	16.4

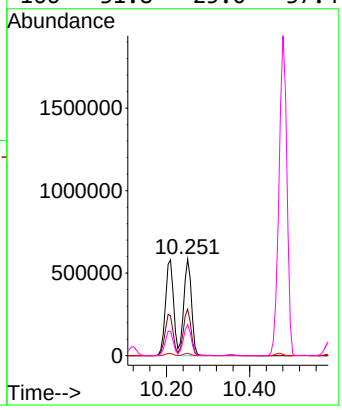




#59
2,3,4,6-Tetrachlorophenol
Concen: 78.537 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:232 Resp: 75291

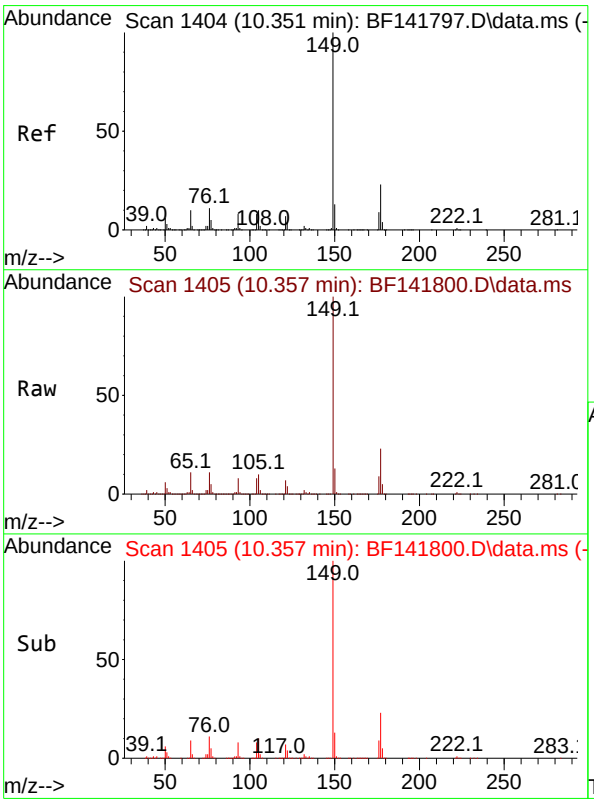
Ion	Ratio	Lower	Upper
232	100		
131	47.5	37.8	56.8
130	2.4	2.0	3.0
166	31.8	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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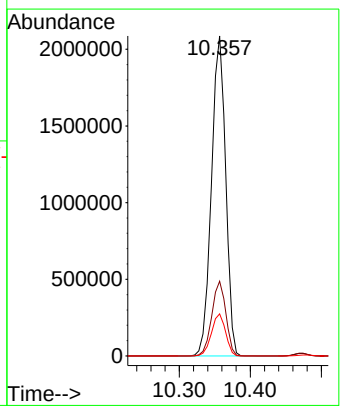
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

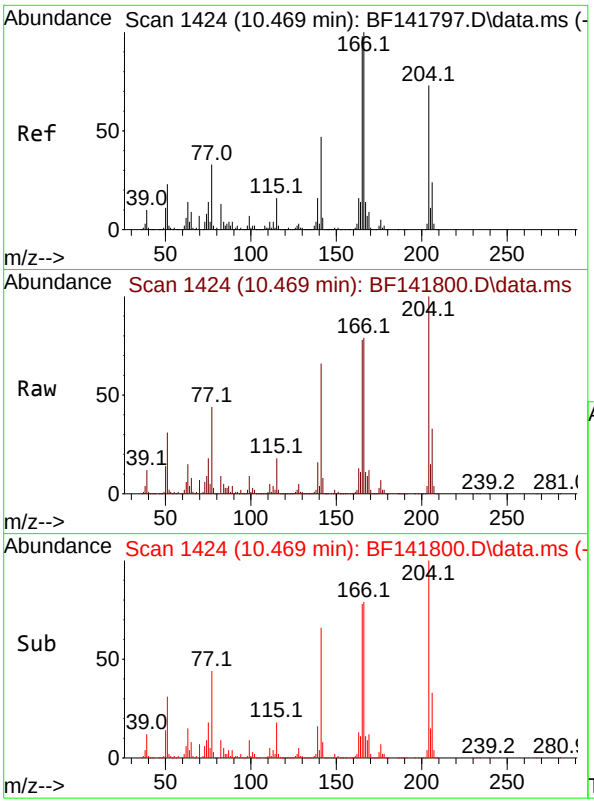


#60
Diethylphthalate
Concen: 72.232 ng
RT: 10.357 min Scan# 1405
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:149 Resp: 2893471

Ion	Ratio	Lower	Upper
149	100		
177	23.3	18.3	27.5
150	13.2	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 72.414 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

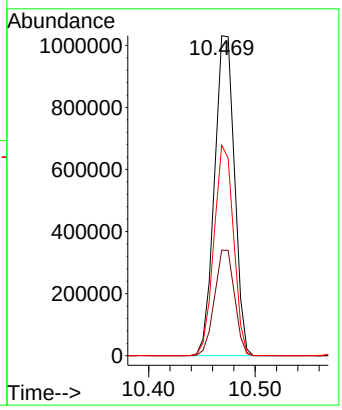
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

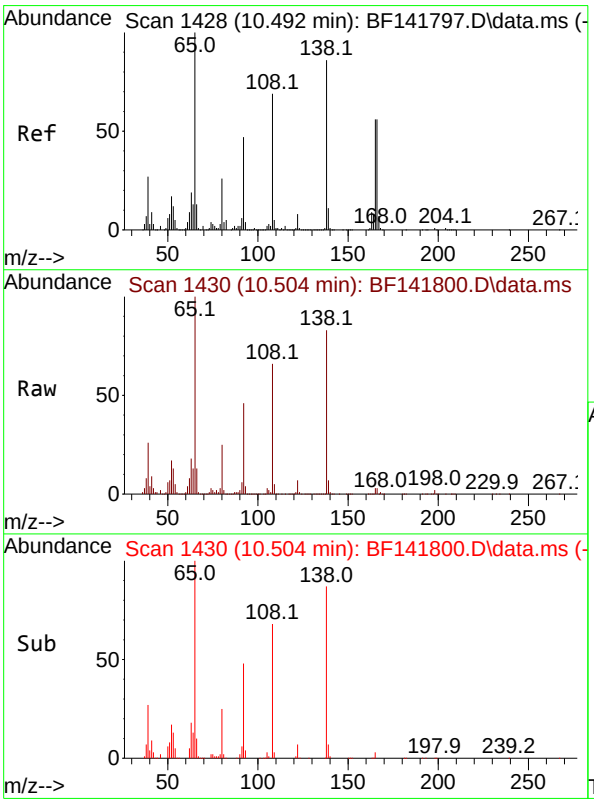
Tgt Ion:204 Resp: 134144

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.2	39.4
141	65.7	51.7	77.5

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

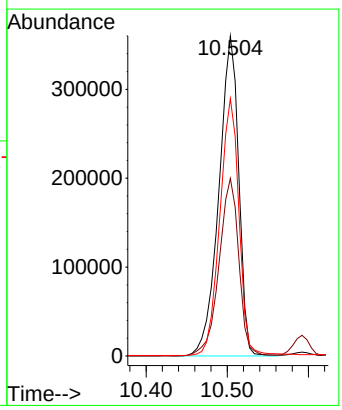


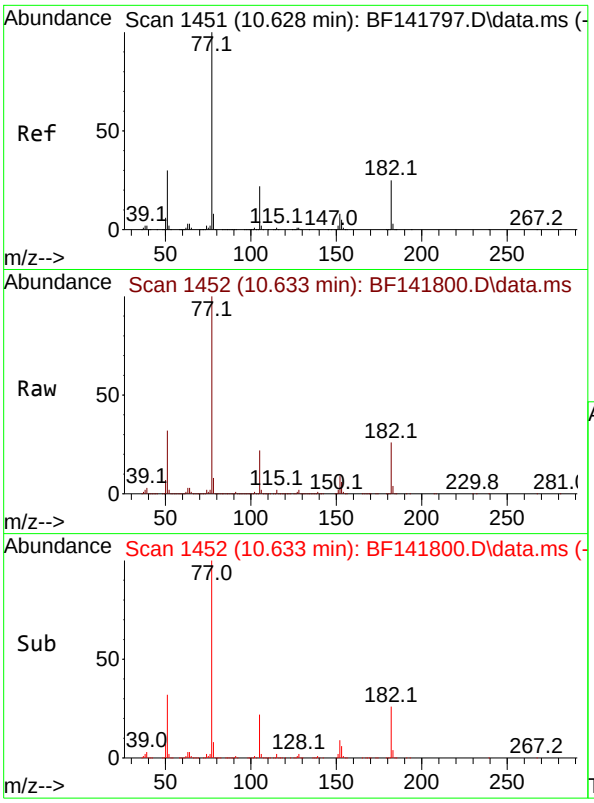


#62
4-Nitroaniline
Concen: 89.663 ng
RT: 10.504 min Scan# 1430
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:138 Resp: 611855

Ion	Ratio	Lower	Upper
138	100		
92	55.5	34.9	74.9
108	80.4	59.6	99.6

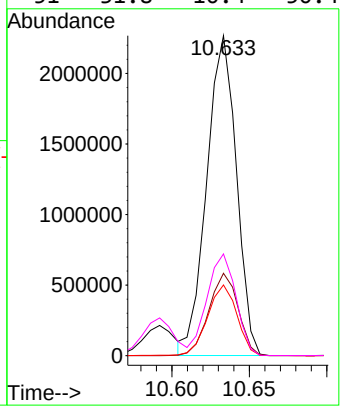




#63
Azobenzene
Concen: 71.441 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion: 77 Resp: 301318

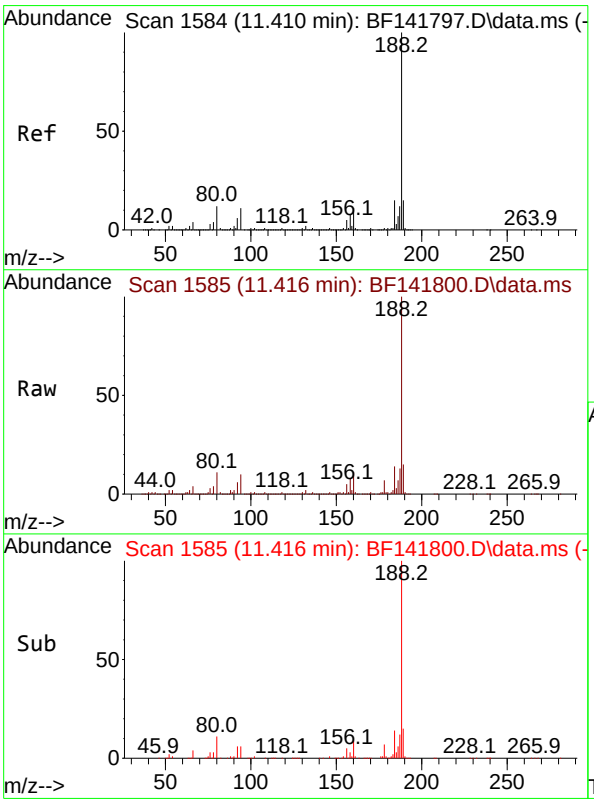
Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.2	44.2
105	22.1	1.5	41.5
51	31.8	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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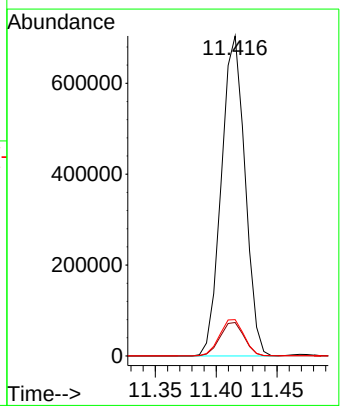
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

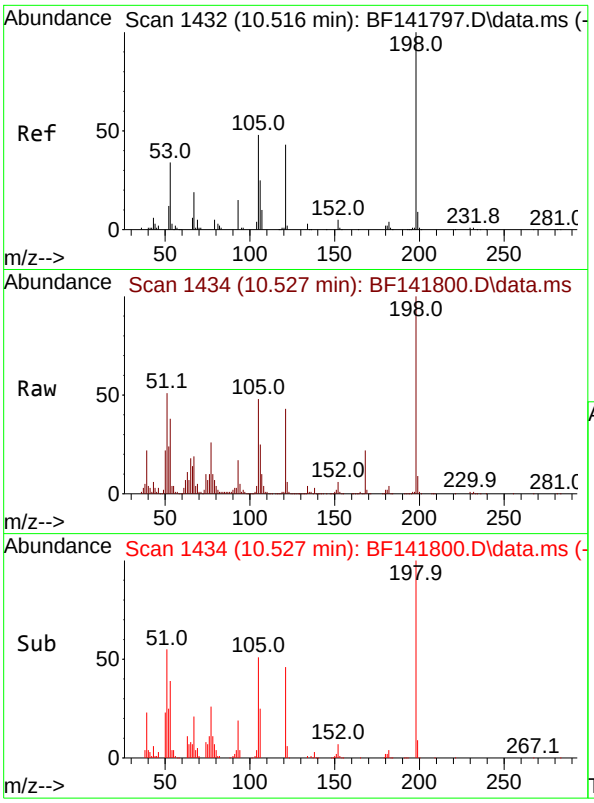


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:188 Resp: 953117

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.9	13.3
80	11.4	9.7	14.5





#65
4,6-Dinitro-2-methylphenol
Concen: 80.929 ng
RT: 10.527 min Scan# 14
Delta R.T. 0.011 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

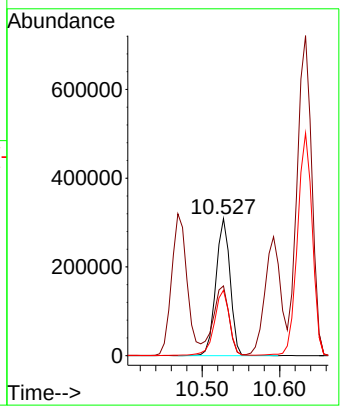
Tgt Ion:198 Resp: 39334

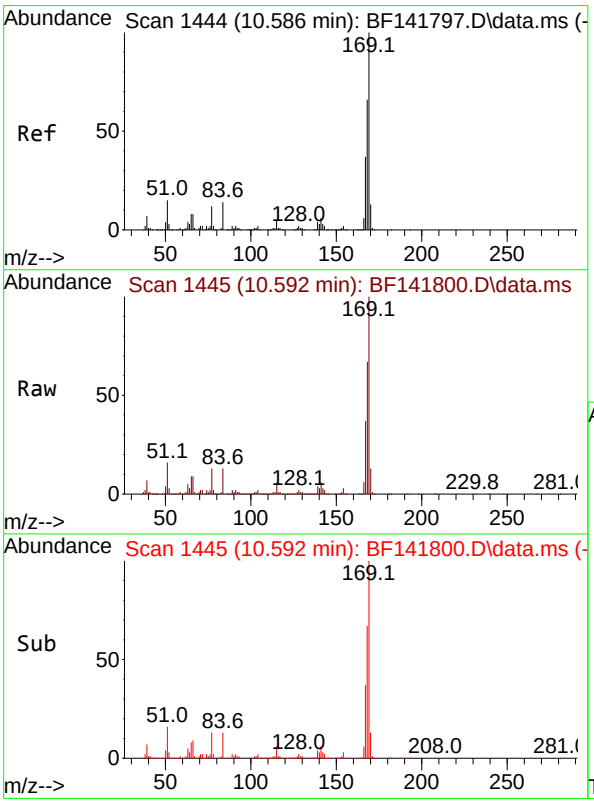
Ion	Ratio	Lower	Upper
198	100		
51	50.9	32.1	72.1
105	47.7	28.5	68.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

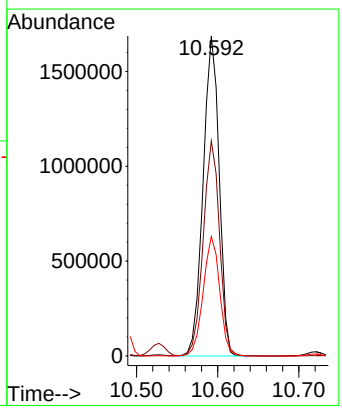


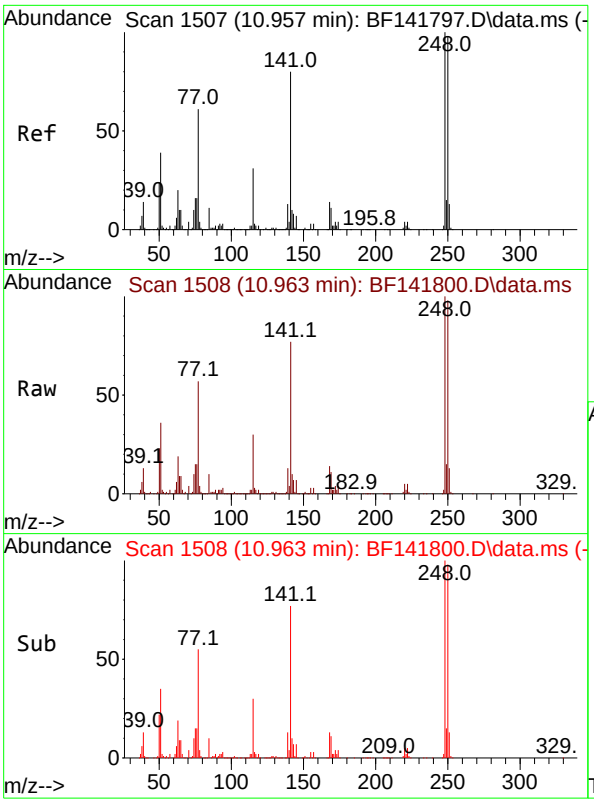


#66
n-Nitrosodiphenylamine
Concen: 73.923 ng
RT: 10.592 min Scan# 1445
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:169 Resp: 2313580

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.0	79.6
167	37.3	29.3	43.9

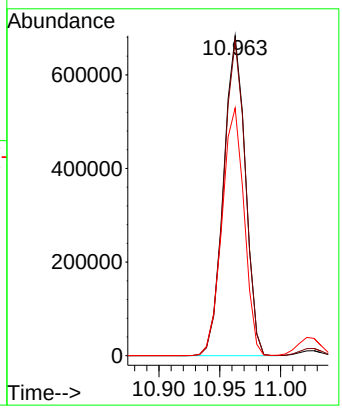




#67
4-Bromophenyl-phenylether
Concen: 76.550 ng
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:248 Resp: 85221

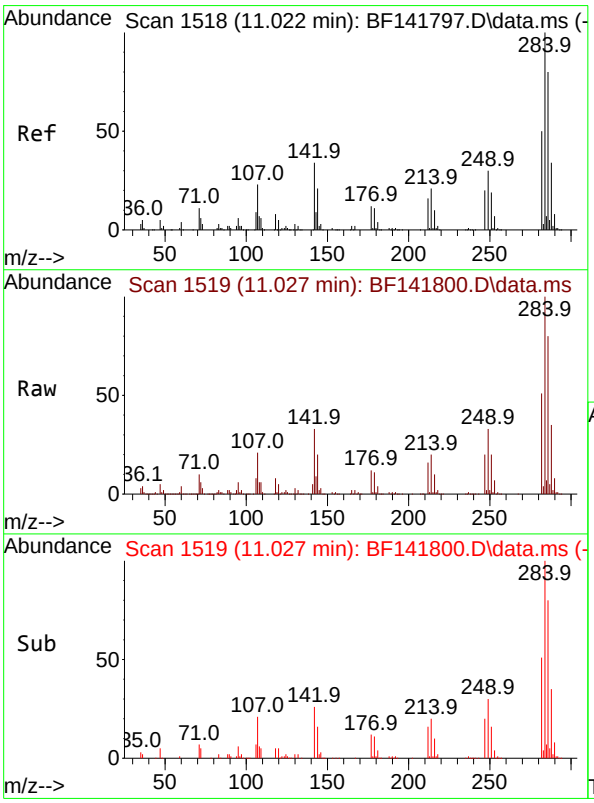
Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.1	117.1
141	77.4	64.3	96.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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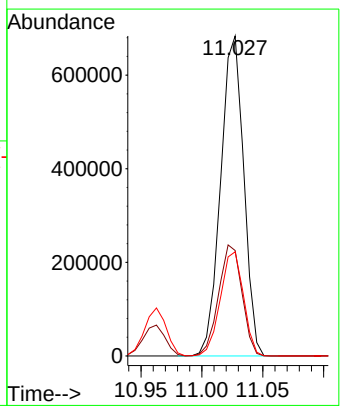
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

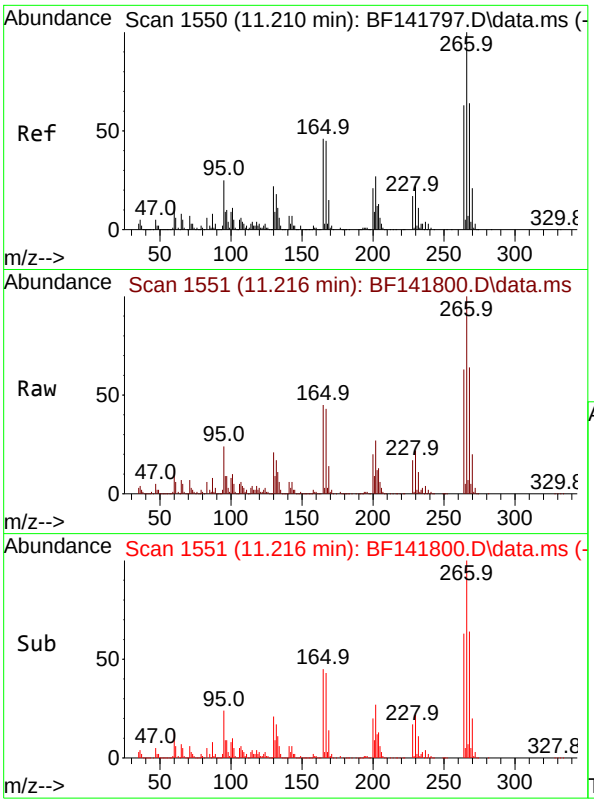


#68
Hexachlorobenzene
Concen: 76.782 ng
RT: 11.027 min Scan# 1519
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:284 Resp: 902644

Ion	Ratio	Lower	Upper
284	100		
142	33.0	28.2	42.2
249	32.5	25.5	38.3

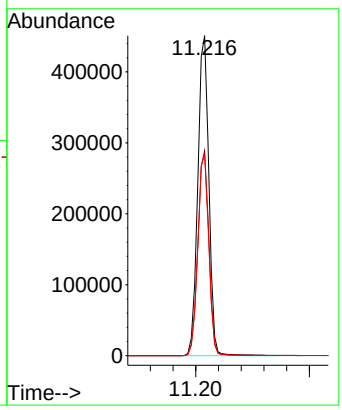




#70
Pentachlorophenol
Concen: 81.849 ng
RT: 11.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:266 Resp: 61026

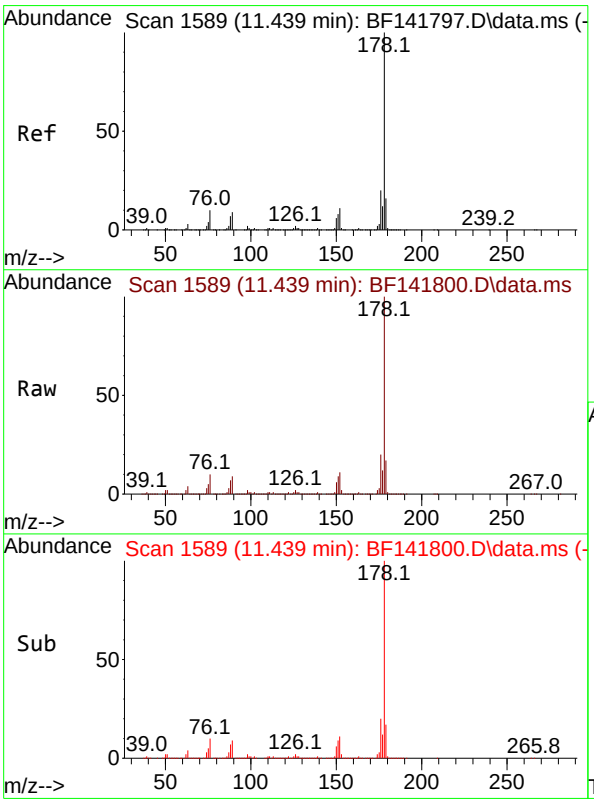
Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.9	76.3
264	62.8	50.2	75.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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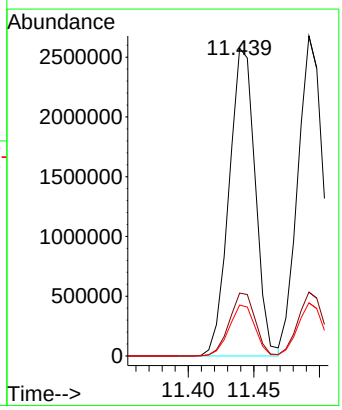
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

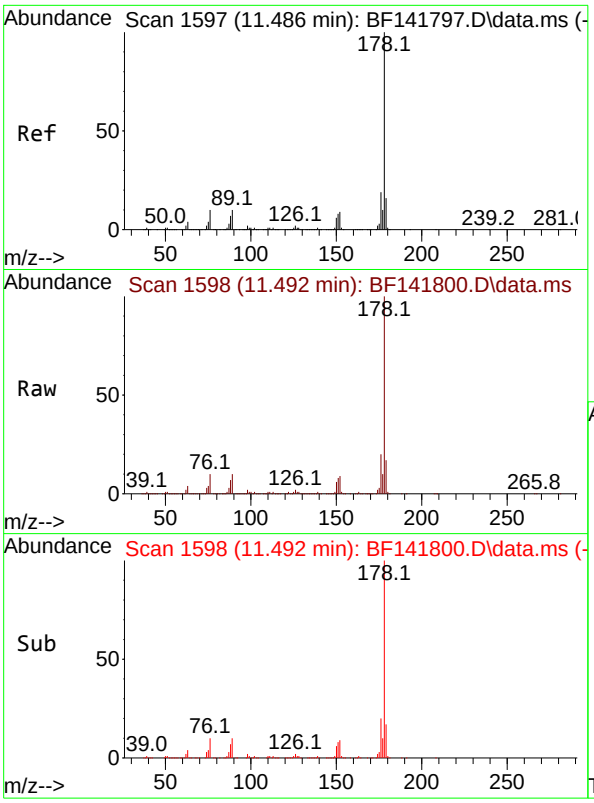


#71
Phenanthrene
Concen: 70.307 ng
RT: 11.439 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:178 Resp: 3584436

Ion	Ratio	Lower	Upper
178	100		
176	20.4	16.0	24.0
179	16.5	12.6	19.0

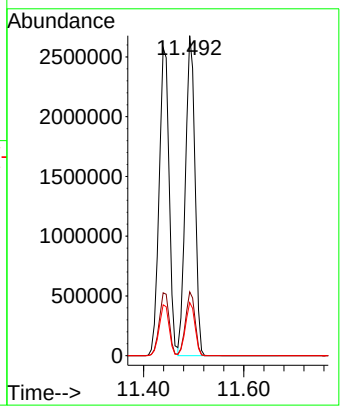




#72
Anthracene
Concen: 69.487 ng
RT: 11.492 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:178 Resp: 355048

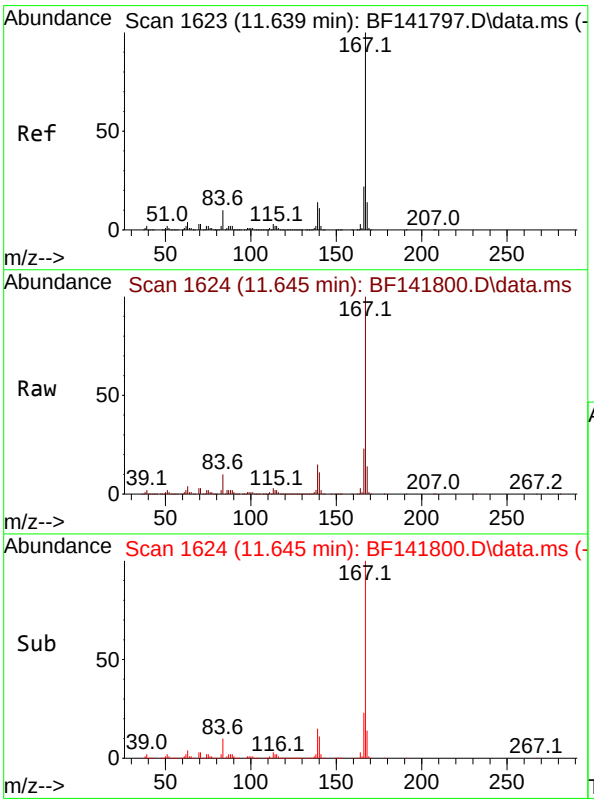
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.4	23.0
179	16.6	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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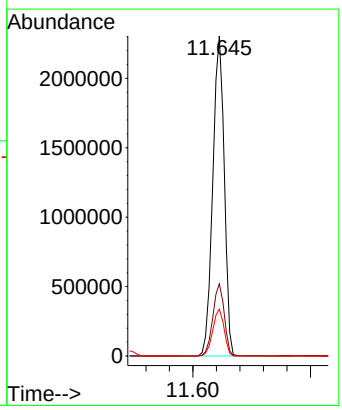
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

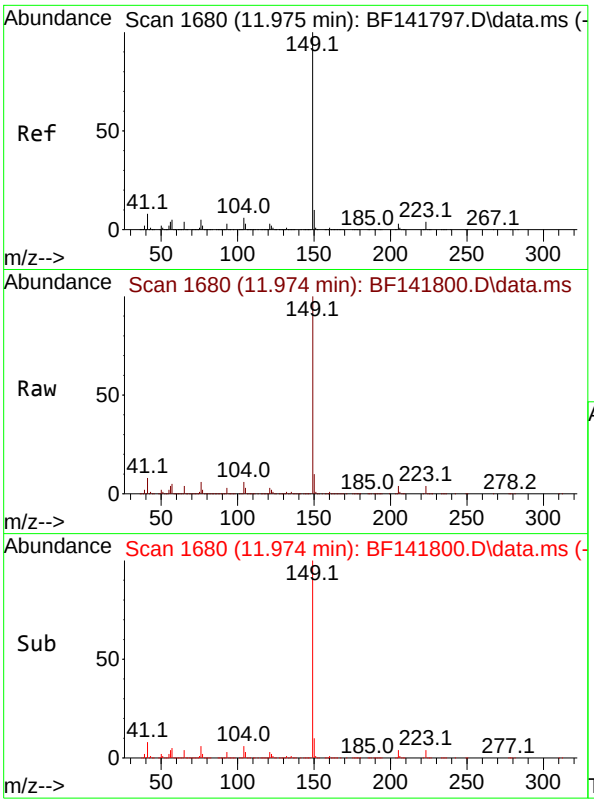


#73
Carbazole
Concen: 69.380 ng
RT: 11.645 min Scan# 1624
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:167 Resp: 3130504

Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.5	26.3
139	14.7	11.3	16.9

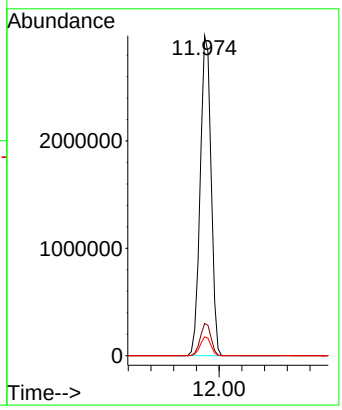




#74
Di-n-butylphthalate
Concen: 68.971 ng
RT: 11.974 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:149 Resp: 394481

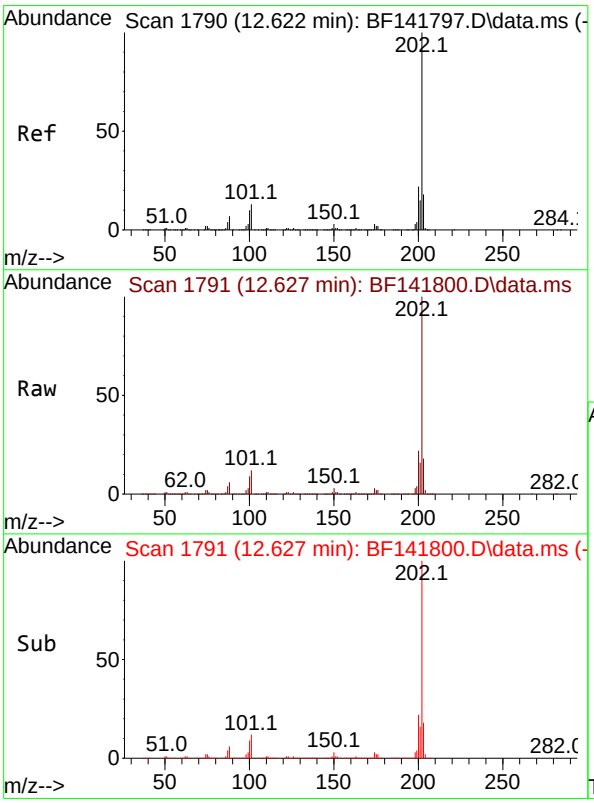
Ion	Ratio	Lower	Upper
149	100		
150	10.1	7.7	11.5
104	5.9	4.4	6.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

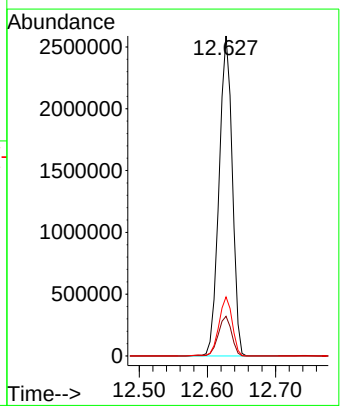
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

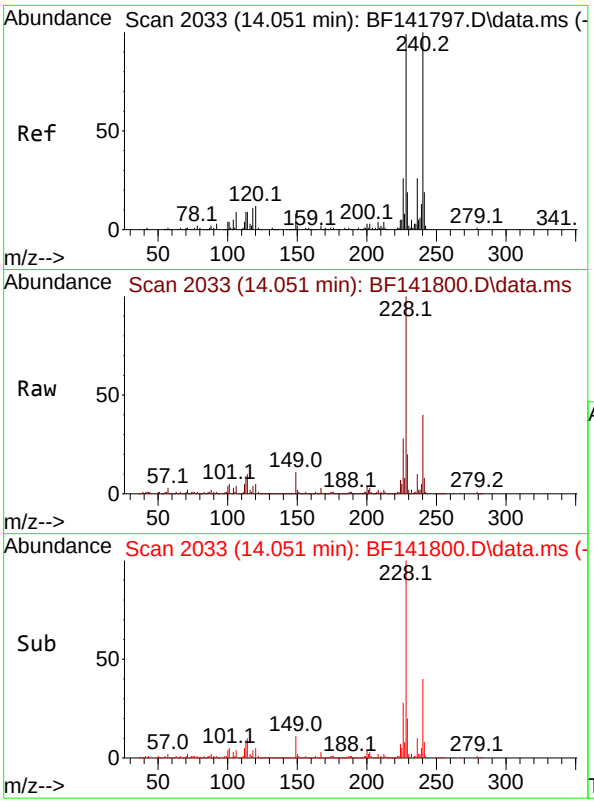


#75
Fluoranthene
Concen: 66.922 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:202 Resp: 3496011

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.8
203	18.5	0.0	38.0

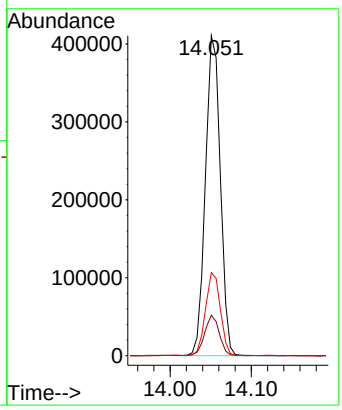




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:240 Resp: 52320

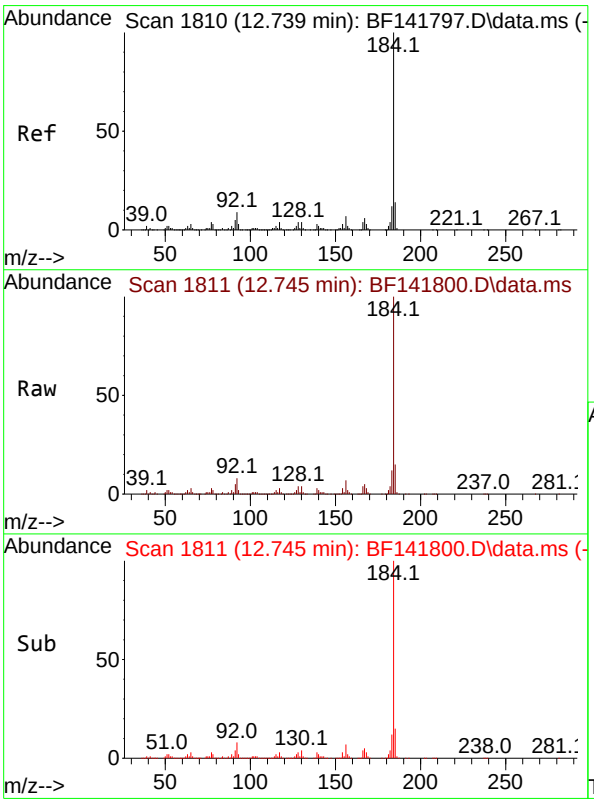
Ion	Ratio	Lower	Upper
240	100		
120	12.6	9.7	14.5
236	26.0	21.0	31.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

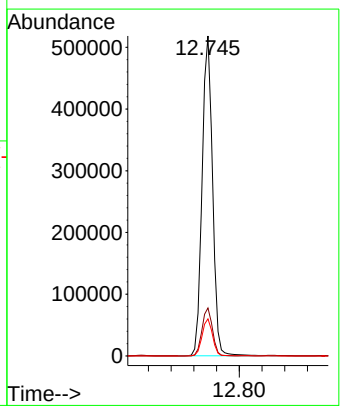
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

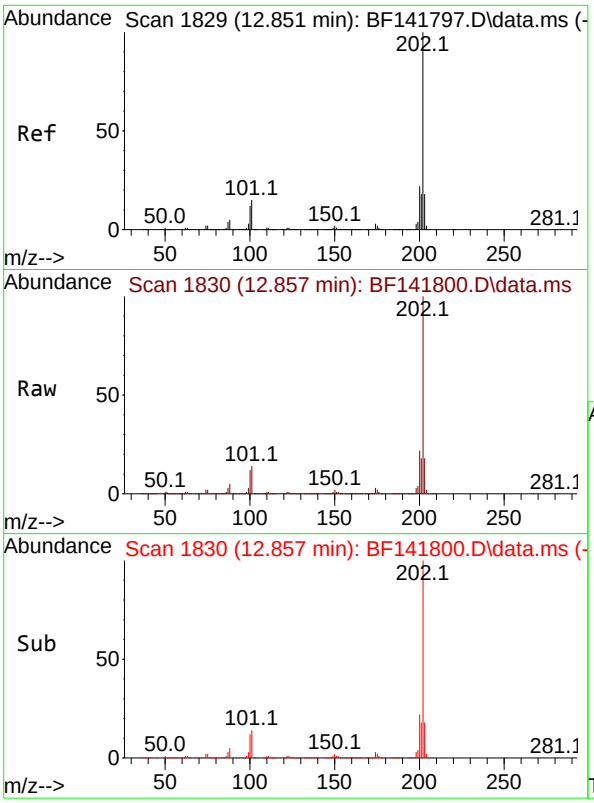


#77
Benzidine
Concen: 100.283 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:184 Resp: 660393

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.6	17.4
183	11.6	9.4	14.0

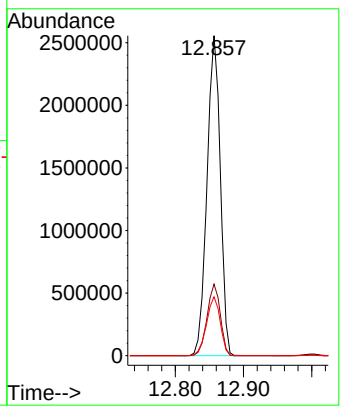




#78
Pyrene
Concen: 76.502 ng
RT: 12.857 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:202 Resp: 346603

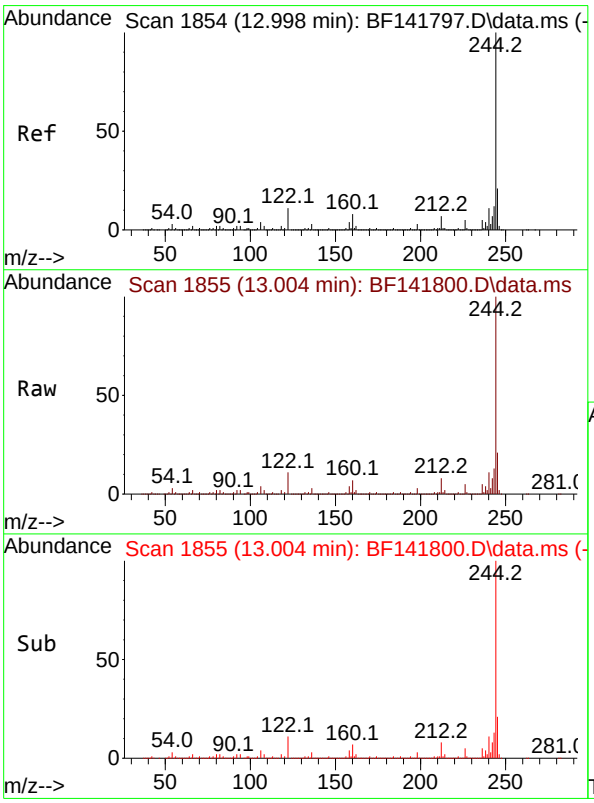
Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.4	26.0
203	18.4	14.6	22.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

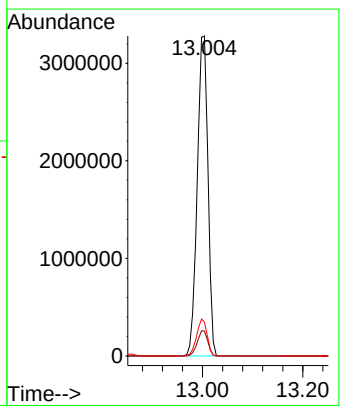
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

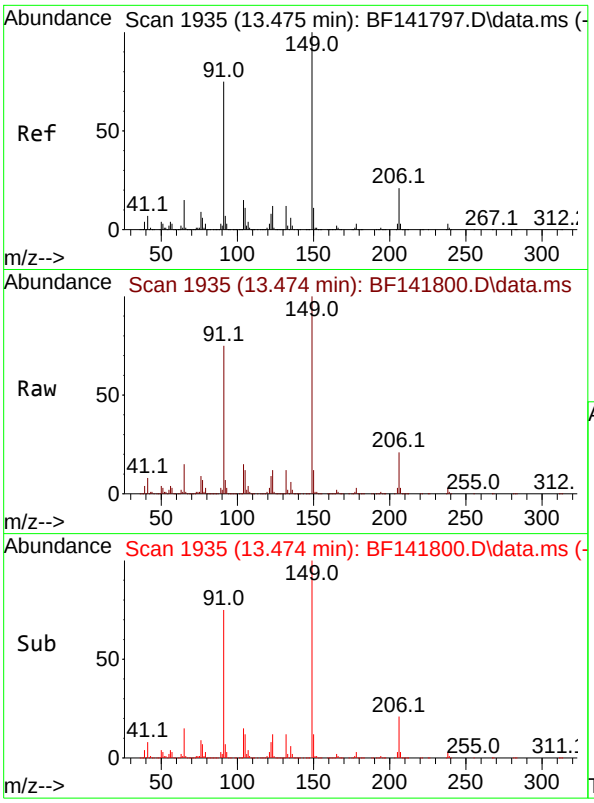


#79
Terphenyl-d14
Concen: 149.765 ng
RT: 13.004 min Scan# 1855
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:244 Resp: 4843134

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	10.5	9.0	13.6

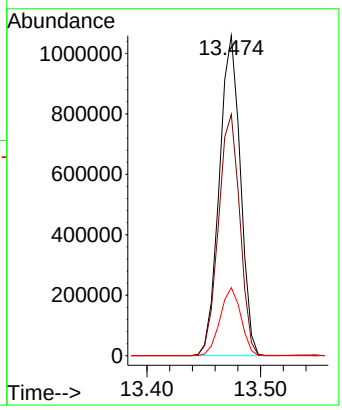




#80
Butylbenzylphthalate
Concen: 82.887 ng
RT: 13.474 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:149 Resp: 136438

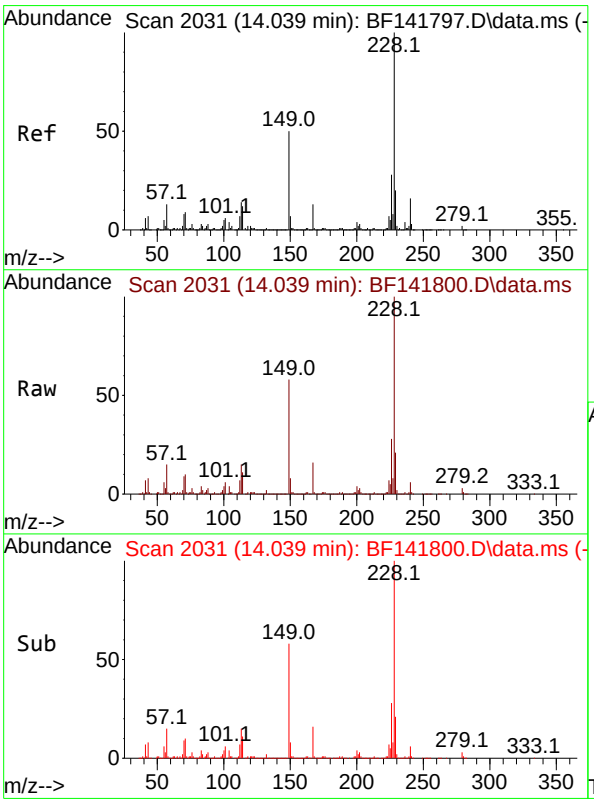
Ion	Ratio	Lower	Upper
149	100		
91	75.4	60.1	90.1
206	21.2	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

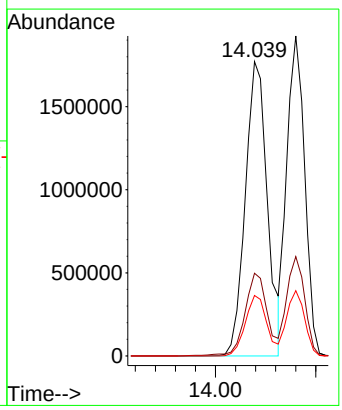
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

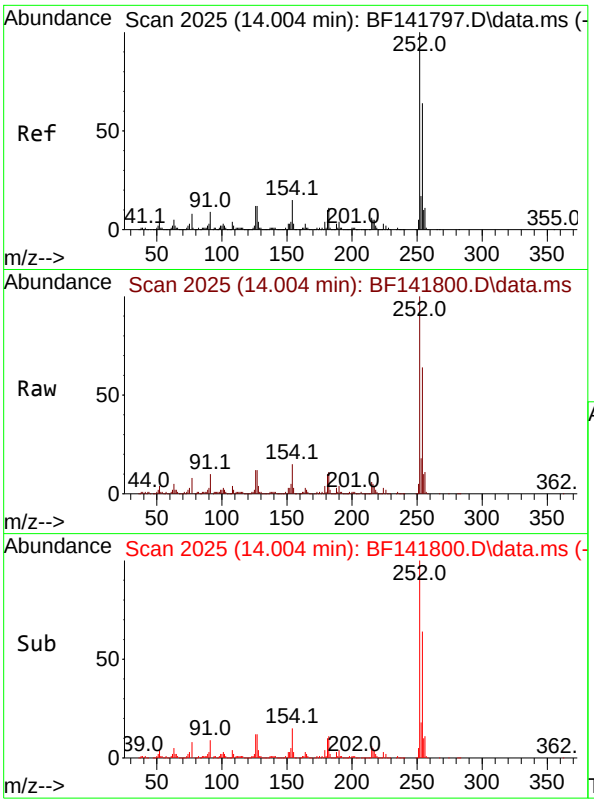


#81
Benzo(a)anthracene
Concen: 78.217 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:228 Resp: 2703093

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.1	33.1
229	20.6	16.1	24.1

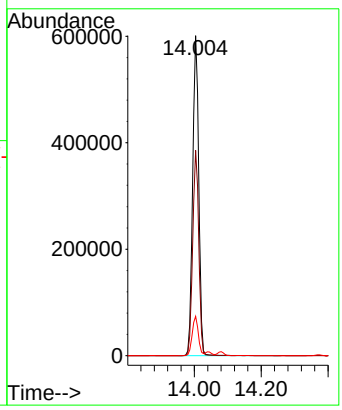




#82
3,3'-Dichlorobenzidine
Concen: 76.939 ng
RT: 14.004 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:252 Resp: 76285

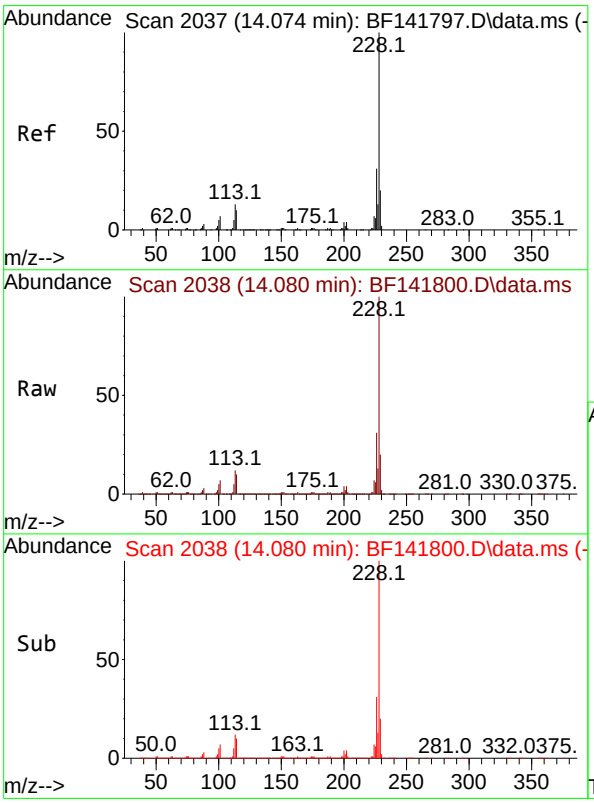
Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.4	77.0
126	12.3	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

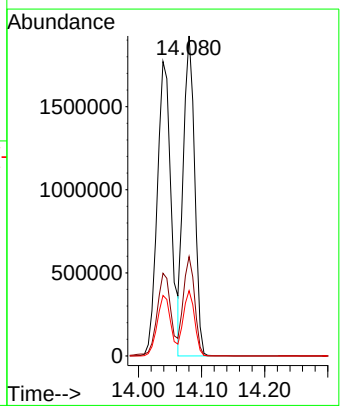
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

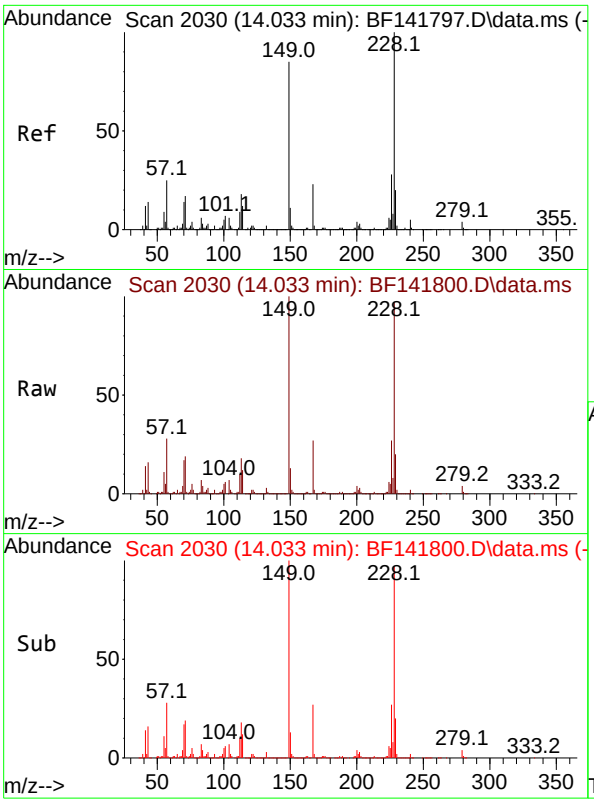


#83
Chrysene
Concen: 75.176 ng
RT: 14.080 min Scan# 2038
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:228 Resp: 2394861

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	37.0
229	20.4	16.1	24.1





#84
Bis(2-ethylhexyl)phthalate
Concen: 84.426 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

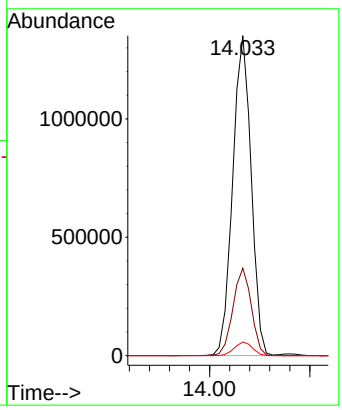
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

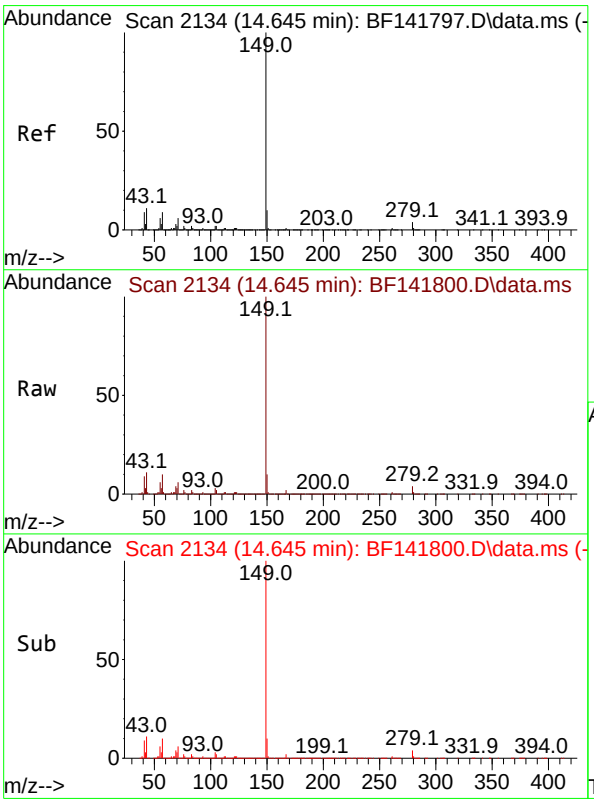
Tgt Ion:149 Resp: 173041

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.2	31.8
279	4.3	3.3	4.9

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

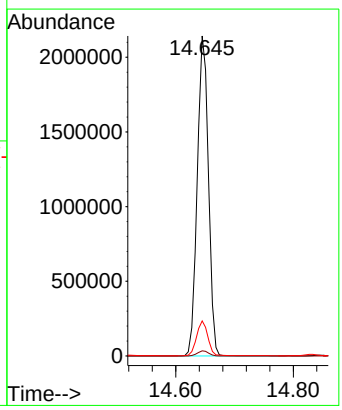


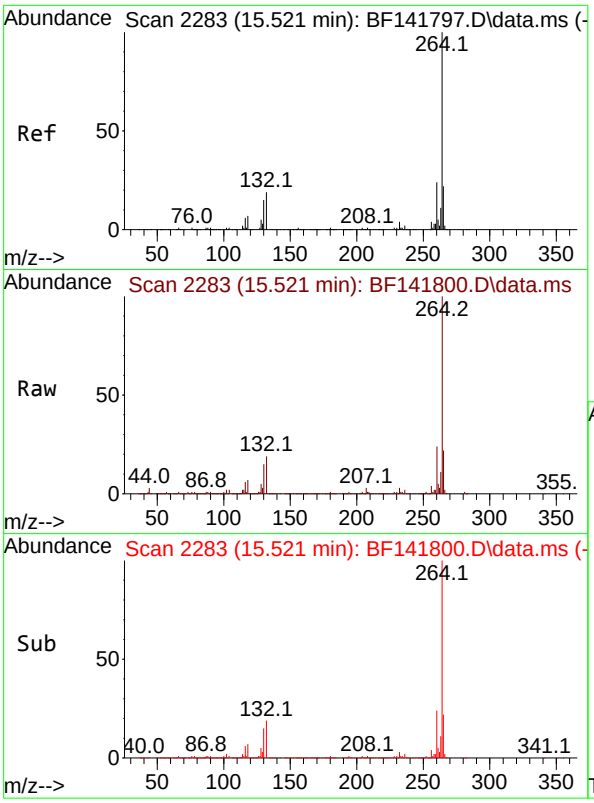


#85
Di-n-octyl phthalate
Concen: 91.958 ng
RT: 14.645 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:149 Resp: 2821762

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	10.9	8.6	12.8

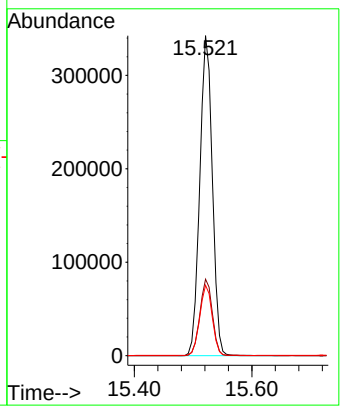




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:264 Resp: 50861

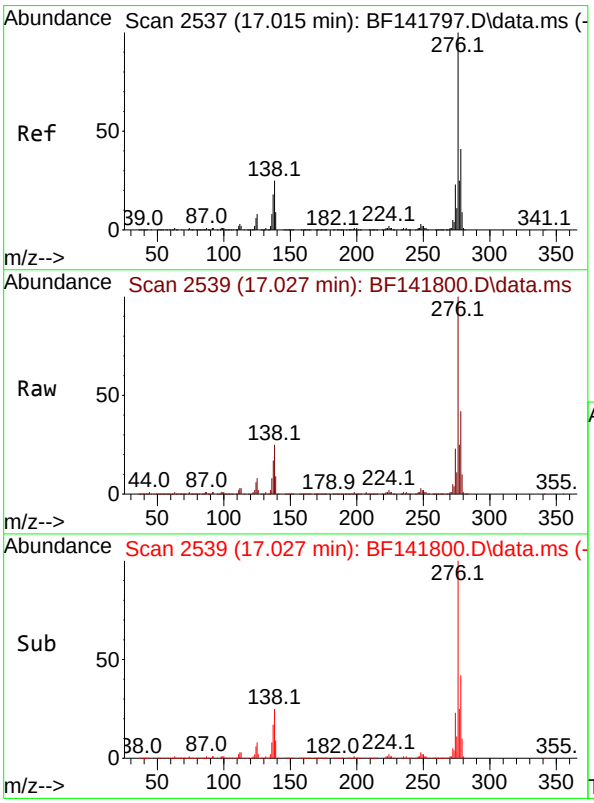
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	22.0	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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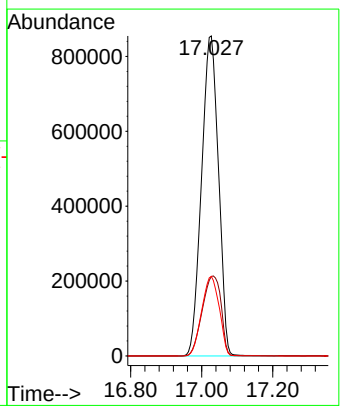
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

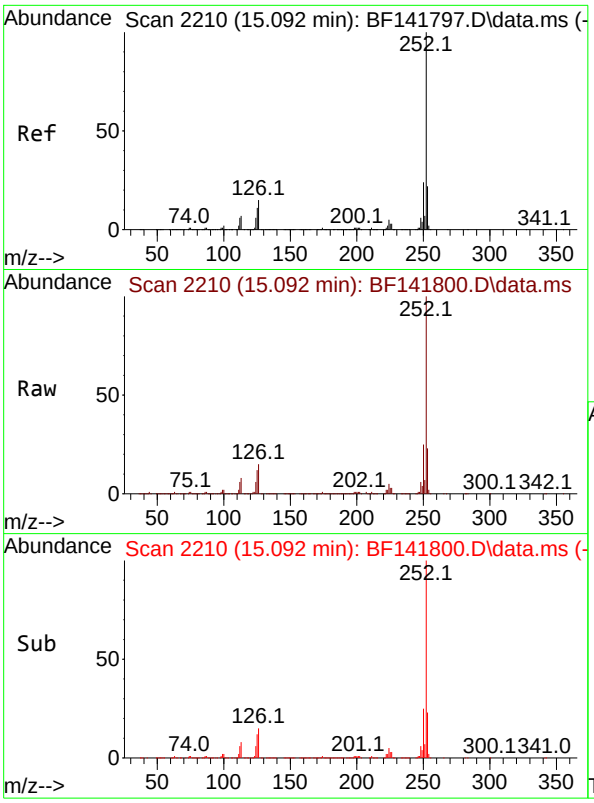


#87
Indeno(1,2,3-cd)pyrene
Concen: 87.778 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.012 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:276 Resp: 2842850

Ion	Ratio	Lower	Upper
276	100		
138	27.7	22.5	33.7
277	25.7	20.3	30.5

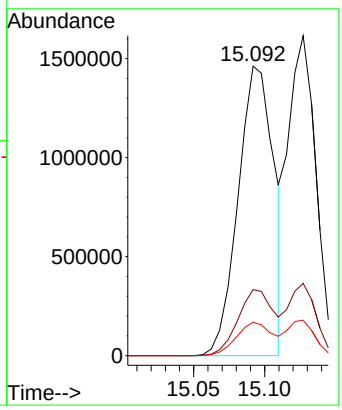




#88
Benzo(b)fluoranthene
Concen: 73.777 ng
RT: 15.092 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:252 Resp: 255601

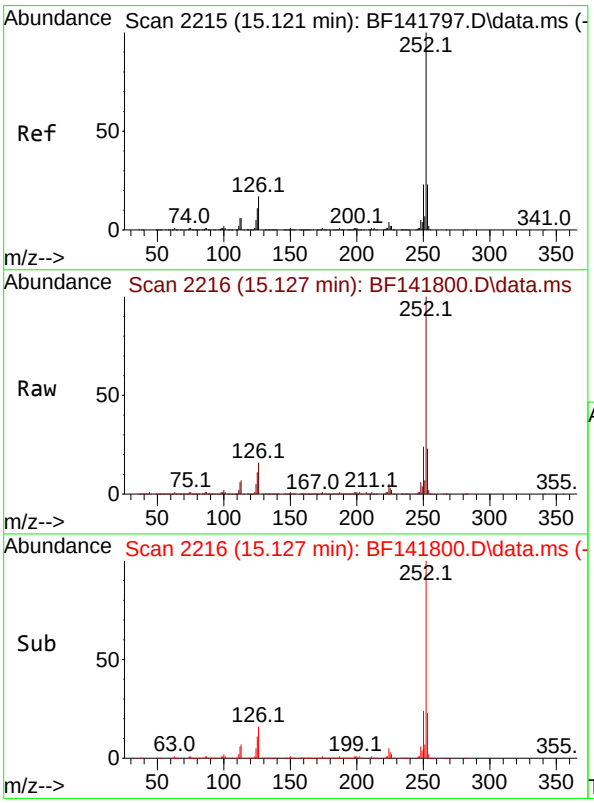
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	11.6	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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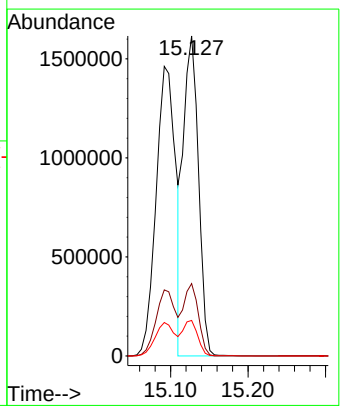
Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

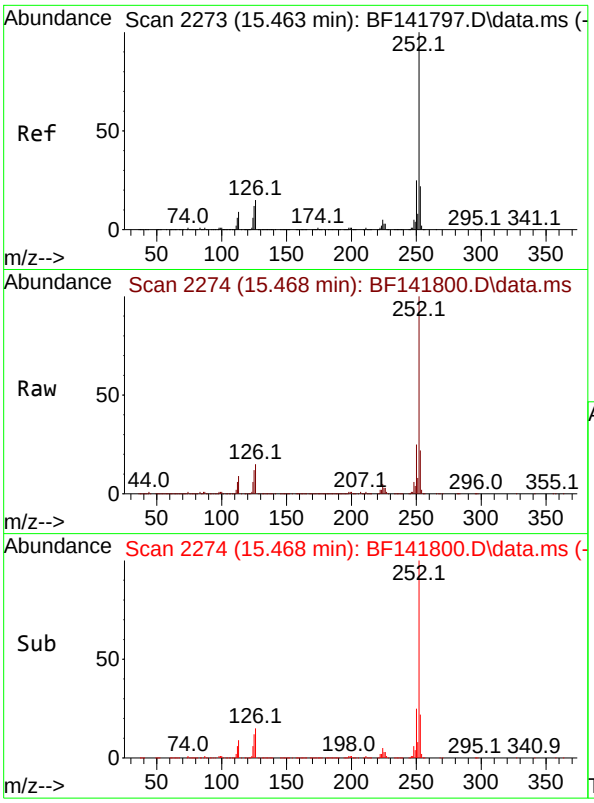


#89
Benzo(k)fluoranthene
Concen: 74.176 ng
RT: 15.127 min Scan# 2216
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:252 Resp: 2184261

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	11.1	8.8	13.2





#90
Benzo(a)pyrene
Concen: 77.617 ng
RT: 15.468 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

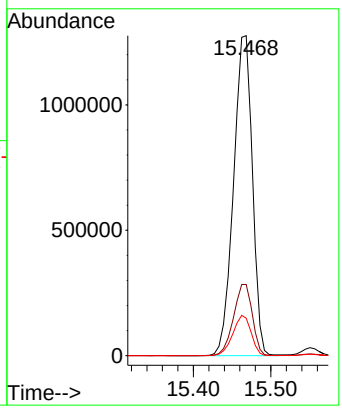
Tgt Ion:252 Resp: 215658

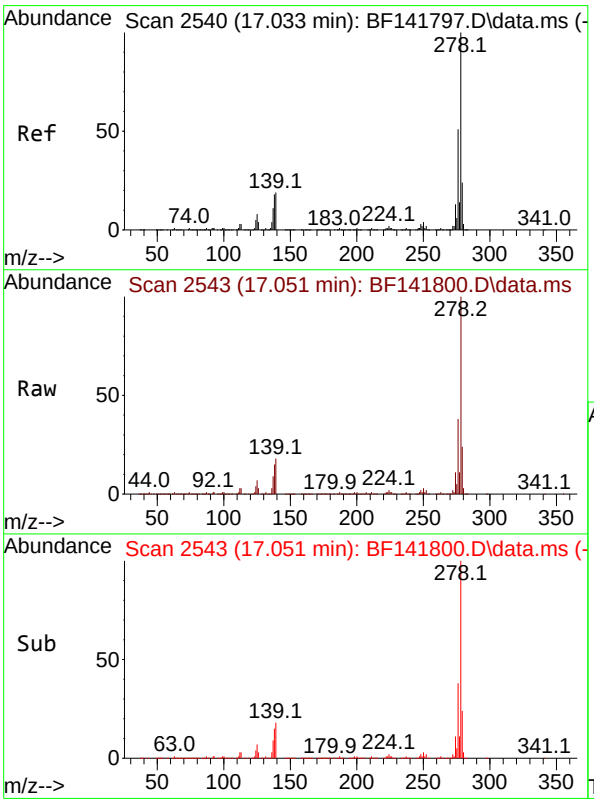
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	11.7	9.4	14.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

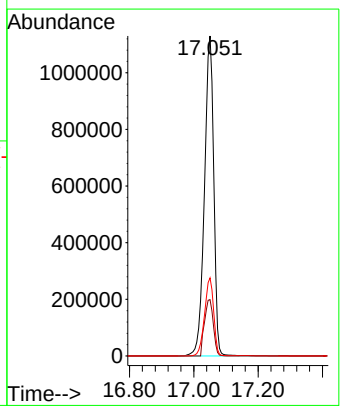


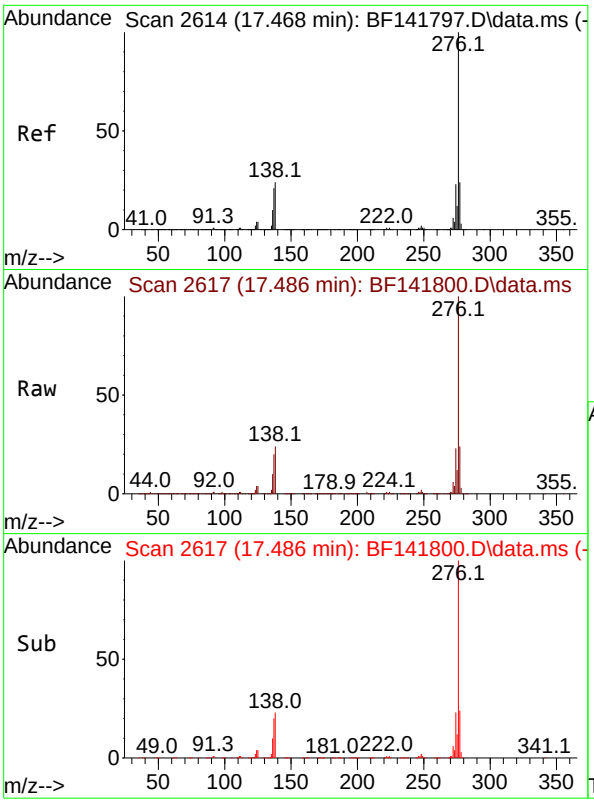


#91
Dibenzo(a,h)anthracene
Concen: 85.844 ng
RT: 17.051 min Scan# 2543
Delta R.T. 0.017 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:278 Resp: 2269377

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.9	22.3
279	24.4	19.3	28.9

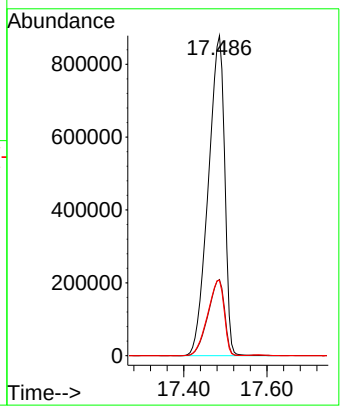




#92
Benzo(g,h,i)perylene
Concen: 88.534 ng
RT: 17.486 min Scan# 2
Delta R.T. 0.017 min
Lab File: BF141800.D
Acq: 27 Feb 2025 18:45

Tgt Ion:276 Resp: 239775

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	23.5	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2025
Supervised By :mohammad ahmed 02/28/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.892	152	336406	20.000	ng		0.00
21) Naphthalene-d8	8.175	136	1367272	20.000	ng		0.00
39) Acenaphthene-d10	9.928	164	753741	20.000	ng		0.00
64) Phenanthrene-d10	11.410	188	1211382	20.000	ng		0.00
76) Chrysene-d12	14.051	240	696919	20.000	ng		0.00
86) Perylene-d12	15.521	264	634238	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1736670	82.443	ng		0.00
7) Phenol-d6	6.510	99	2276751	83.039	ng		0.00
23) Nitrobenzene-d5	7.457	82	2025812	94.707	ng		0.00
42) 2,4,6-Tribromophenol	10.716	330	596677	84.321	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	3570541	75.957	ng		0.00
79) Terphenyl-d14	12.998	244	3534753	82.060	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.681	88	396533	41.486	ng		100
3) Pyridine	3.446	79	1012428	42.572	ng		99
4) n-Nitrosodimethylamine	3.404	42	498621	43.575	ng		99
6) Aniline	6.557	93	1221626	42.857	ng		100
8) 2-Chlorophenol	6.675	128	957321	42.011	ng		100
9) Benzaldehyde	6.440	77	696694	43.684	ng		99
10) Phenol	6.528	94	1219216	41.614	ng		99
11) bis(2-Chloroethyl)ether	6.628	93	932690	41.763	ng		99
12) 1,3-Dichlorobenzene	6.834	146	1012705	41.498	ng		99
13) 1,4-Dichlorobenzene	6.910	146	1009763	41.066	ng		99
14) 1,2-Dichlorobenzene	7.063	146	938112	40.857	ng		100
15) Benzyl Alcohol	7.028	79	932679	42.564	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1447535	42.679	ng		99
17) 2-Methylphenol	7.134	107	796850	42.365	ng		100
18) Hexachloroethane	7.404	117	389901	42.366	ng		99
19) n-Nitroso-di-n-propyla...	7.310	70	748423	41.525	ng		99
20) 3+4-Methylphenols	7.292	107	979968	41.840	ng	#	85
22) Acetophenone	7.298	105	1345874	40.417	ng		98
24) Nitrobenzene	7.475	77	1047974	45.751	ng		100
25) Isophorone	7.710	82	1881562	40.944	ng		99
26) 2-Nitrophenol	7.787	139	462297	45.447	ng		99
27) 2,4-Dimethylphenol	7.816	122	708317	41.931	ng		100
28) bis(2-Chloroethoxy)met...	7.922	93	1183035	40.357	ng		100
29) 2,4-Dichlorophenol	8.022	162	821536	42.157	ng		100
30) 1,2,4-Trichlorobenzene	8.110	180	870339	40.757	ng		100
31) Naphthalene	8.192	128	2800645	39.854	ng		100
32) Benzoic acid	7.939	122	635541	45.545	ng		99
33) 4-Chloroaniline	8.239	127	1033113	40.096	ng		99
34) Hexachlorobutadiene	8.310	225	544620	41.042	ng		99
35) Caprolactam	8.616	113	256209	42.737	ng		99
36) 4-Chloro-3-methylphenol	8.710	107	905842	41.844	ng		100
37) 2-Methylnaphthalene	8.881	142	1830313	39.710	ng		99
38) 1-Methylnaphthalene	8.981	142	1752937	39.635	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	872629	40.086	ng		100
41) Hexachlorocyclopentadiene	9.039	237	354082	38.975	ng		98
43) 2,4,6-Trichlorophenol	9.157	196	592786	42.156	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	582125	41.806	ng		100
46) 1,1'-Biphenyl	9.351	154	2229687	38.864	ng		100
47) 2-Chloronaphthalene	9.375	162	1663643	39.288	ng		100
48) 2-Nitroaniline	9.463	65	514104	44.684	ng		99
49) Acenaphthylene	9.792	152	2533613	39.907	ng		100
50) Dimethylphthalate	9.651	163	2031698	40.250	ng		100
51) 2,6-Dinitrotoluene	9.710	165	425445	44.292	ng		97
52) Acenaphthene	9.963	154	1734464	40.488	ng		99
53) 3-Nitroaniline	9.881	138	449174	43.938	ng		95
54) 2,4-Dinitrophenol	9.981	184	176378	47.494	ng	#	1
55) Dibenzofuran	10.133	168	2456099	39.391	ng		100
56) 4-Nitrophenol	10.022	139	370704	49.725	ng		99
57) 2,4-Dinitrotoluene	10.110	165	536914	45.704	ng		99
58) Fluorene	10.475	166	1800318	38.547	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	515976	42.607	ng		100
60) Diethylphthalate	10.351	149	2018830	39.896	ng		100
61) 4-Chlorophenyl-phenyle...	10.469	204	901998	38.546	ng		99
62) 4-Nitroaniline	10.492	138	421232	48.866	ng		99
63) Azobenzene	10.628	77	2141198	40.188	ng		99
65) 4,6-Dinitro-2-methylph...	10.516	198	256241	45.441	ng		99
66) n-Nitrosodiphenylamine	10.586	169	1608263	40.431	ng		100
67) 4-Bromophenyl-phenylether	10.957	248	574667	40.614	ng		99
68) Hexachlorobenzene	11.022	284	608067	40.697	ng		99
69) Atrazine	11.110	200	420733	38.463	ng		99
70) Pentachlorophenol	11.210	266	417260	44.032	ng		100
71) Phenanthrene	11.439	178	2557877	39.475	ng		100
72) Anthracene	11.486	178	2540876	39.126	ng		99
73) Carbazole	11.639	167	2254761	39.317	ng		100
74) Di-n-butylphthalate	11.975	149	2874276	39.540	ng		100
75) Fluoranthene	12.622	202	2552790	38.448	ng		100
77) Benzidine	12.739	184	657519	74.959	ng		99
78) Pyrene	12.851	202	2553211	42.307	ng		100
80) Butylbenzylphthalate	13.469	149	957186	43.655	ng		98
81) Benzo(a)anthracene	14.039	228	1852195	40.236	ng		100
82) 3,3'-Dichlorobenzidine	14.004	252	573075	43.392	ng		100
83) Chrysene	14.074	228	1718188	40.491	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	1183508	43.350	ng		99
85) Di-n-octyl phthalate	14.645	149	1881499	46.033	ng		99
87) Indeno(1,2,3-cd)pyrene	17.015	276	1767077	43.754	ng		100
88) Benzo(b)fluoranthene	15.086	252	1710890	39.602	ng		99
89) Benzo(k)fluoranthene	15.121	252	1454422	39.608	ng		99
90) Benzo(a)pyrene	15.457	252	1416788	40.891	ng		99
91) Dibenzo(a,h)anthracene	17.033	278	1440368	43.693	ng		100
92) Benzo(g,h,i)perylene	17.468	276	1484943	43.969	ng		99

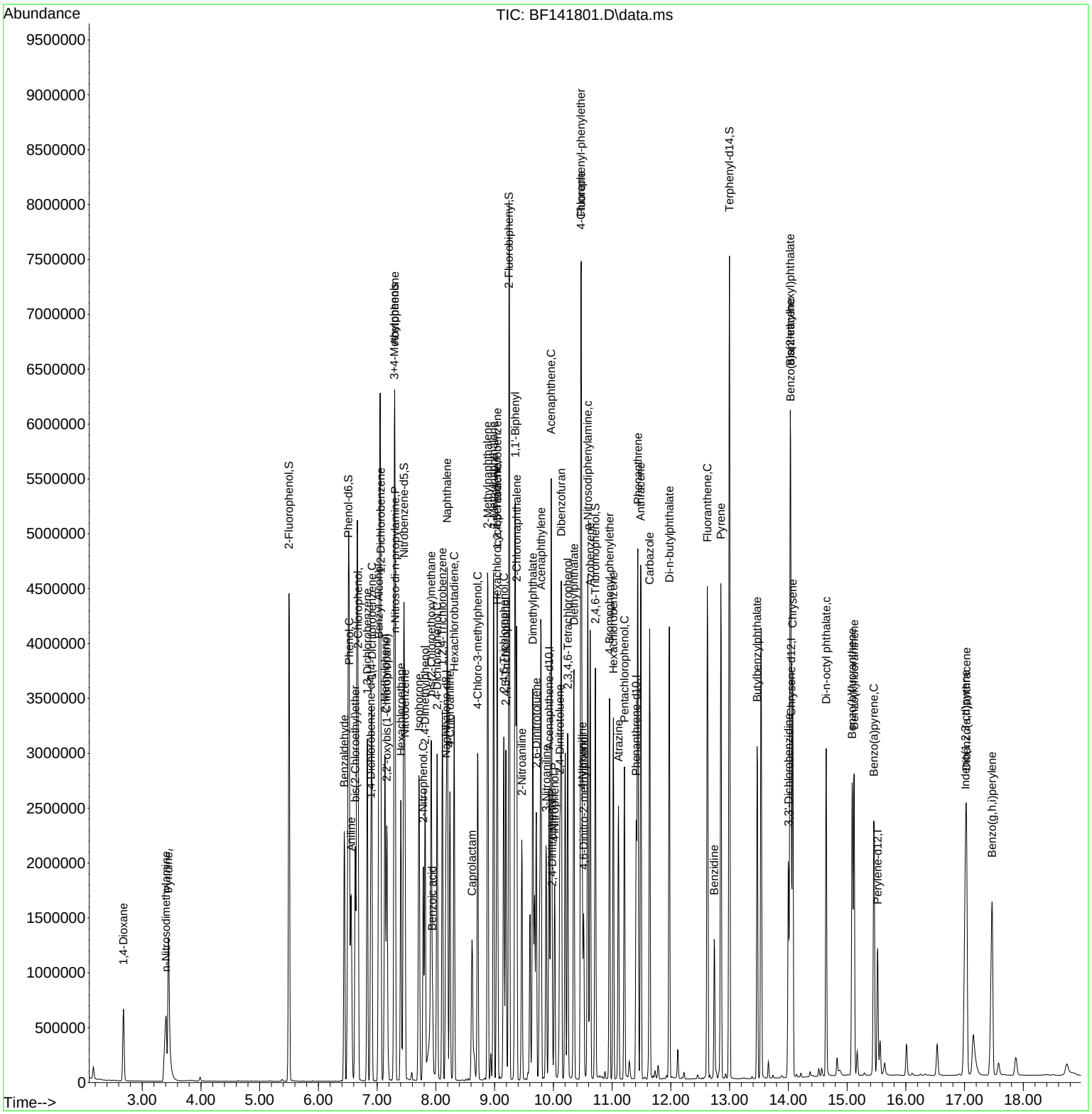
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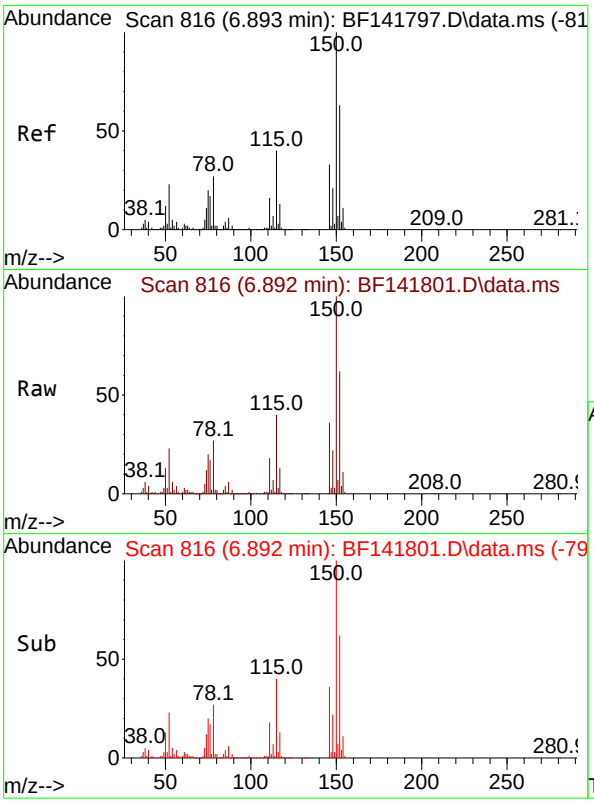
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration



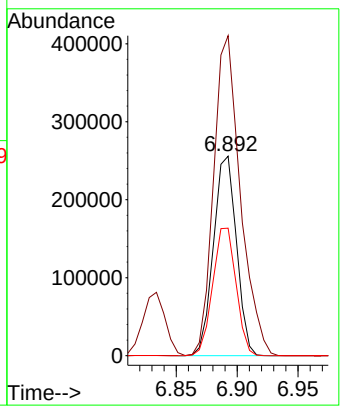


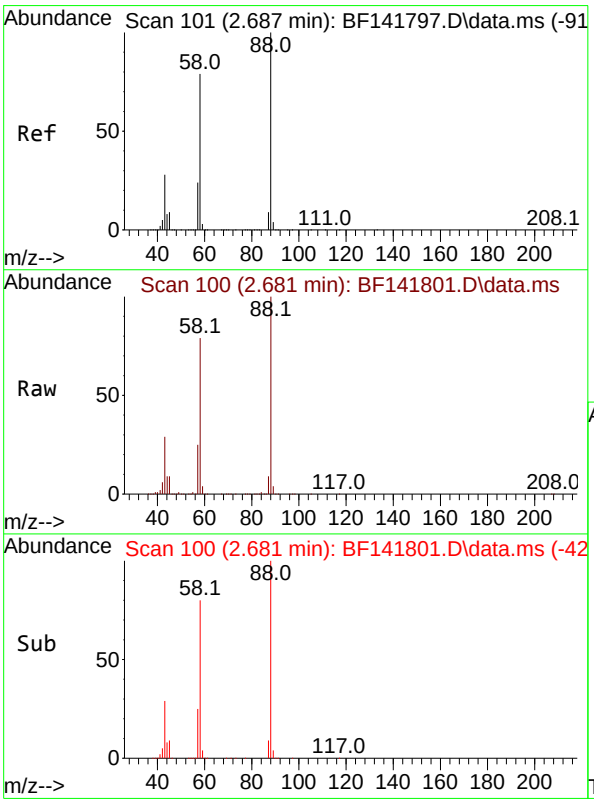
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 8
Delta R.T. -0.001 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:152 Resp: 336406

Ion	Ratio	Lower	Upper
152	100		
150	160.3	127.5	191.3
115	63.9	51.4	77.2

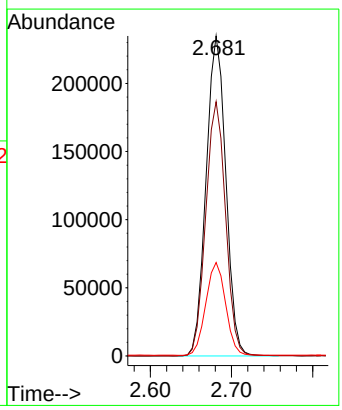


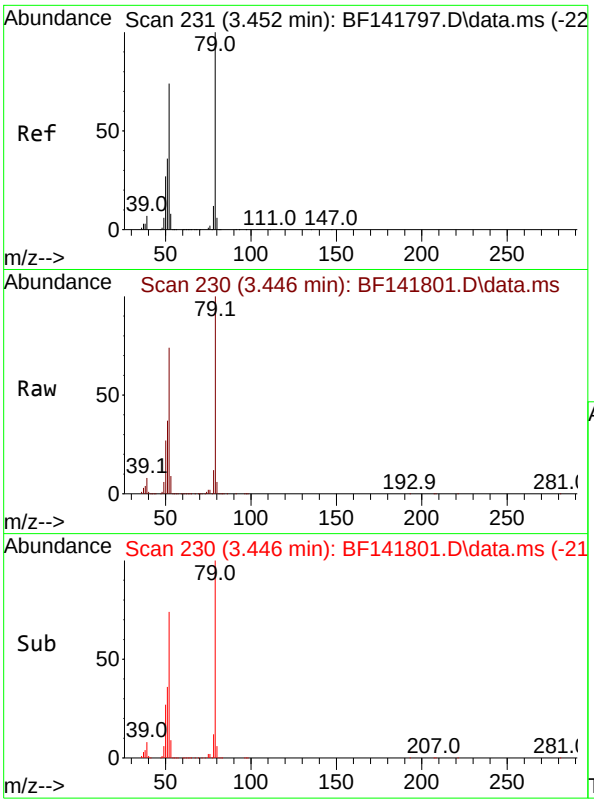


#2
1,4-Dioxane
Concen: 41.486 ng
RT: 2.681 min Scan# 100
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 88 Resp: 396533

Ion	Ratio	Lower	Upper
88	100		
58	79.7	63.9	95.9
43	29.0	23.0	34.6



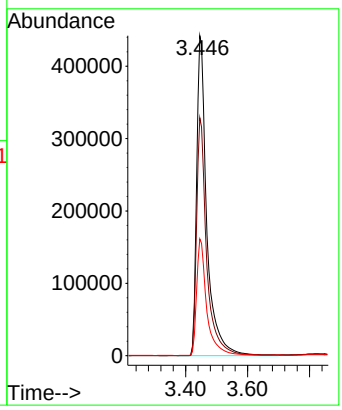


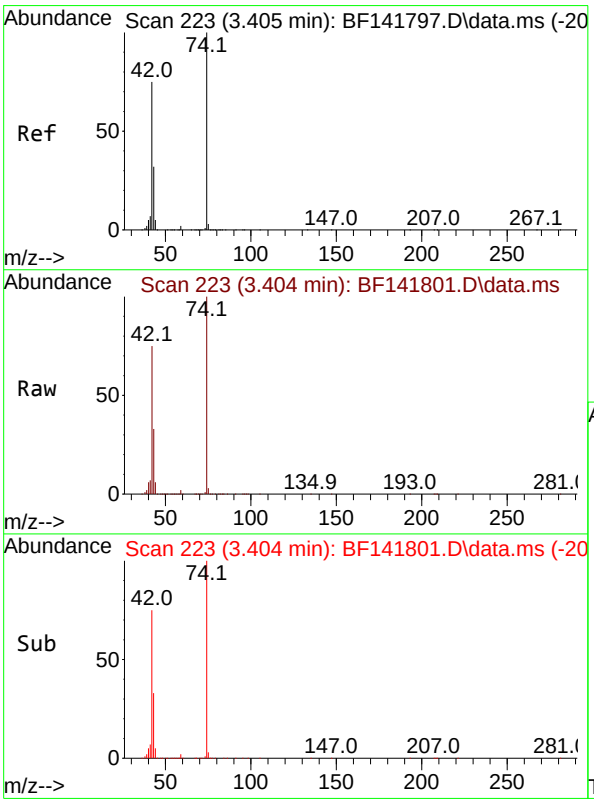
#3
Pyridine
Concen: 42.572 ng
RT: 3.446 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 79 Resp: 1012428

Ion	Ratio	Lower	Upper
79	100		
52	74.3	59.0	88.4
51	36.5	29.0	43.4

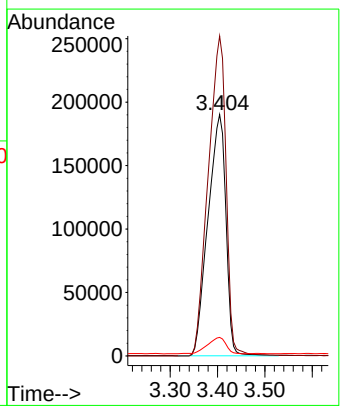


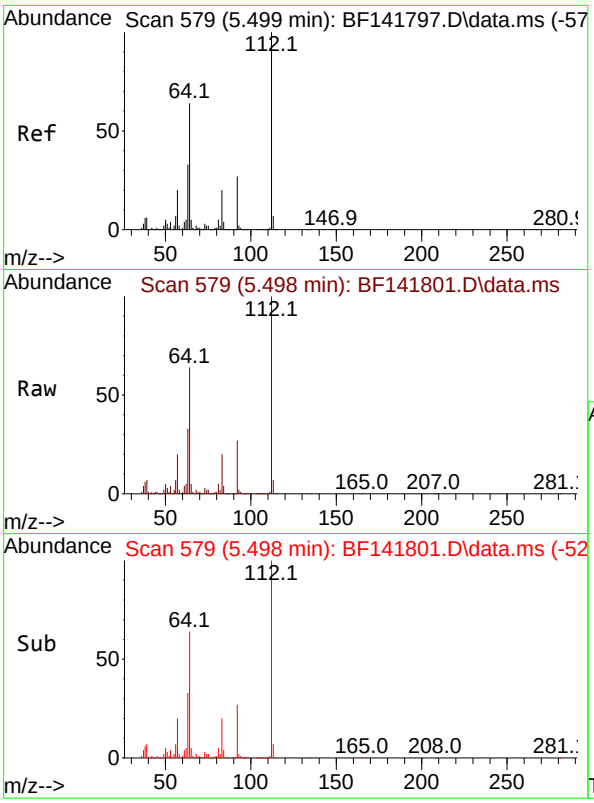


#4
n-Nitrosodimethylamine
Concen: 43.575 ng
RT: 3.404 min Scan# 223
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 42 Resp: 498621

Ion	Ratio	Lower	Upper
42	100		
74	132.5	107.1	160.7
44	7.7	6.6	9.8



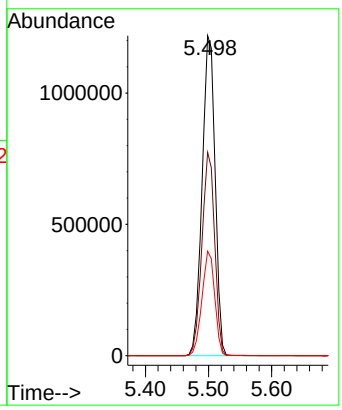


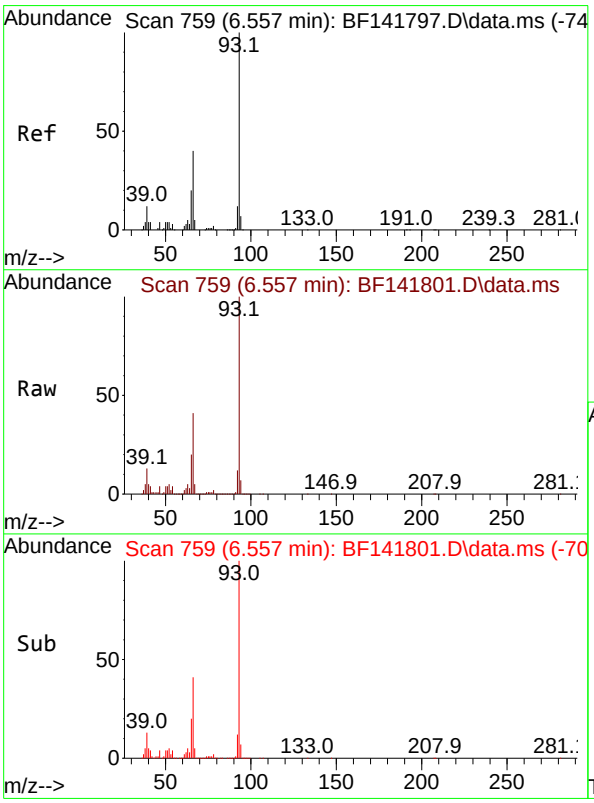
#5
2-Fluorophenol
Concen: 82.443 ng
RT: 5.498 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:112 Resp: 1736670

Ion	Ratio	Lower	Upper
112	100		
64	63.5	51.3	76.9
63	32.6	26.2	39.4

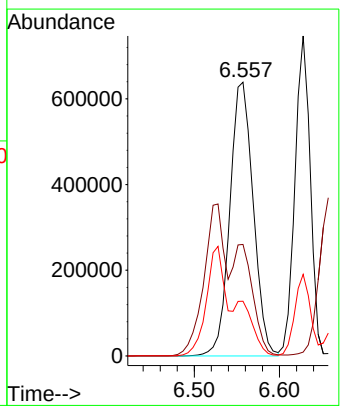




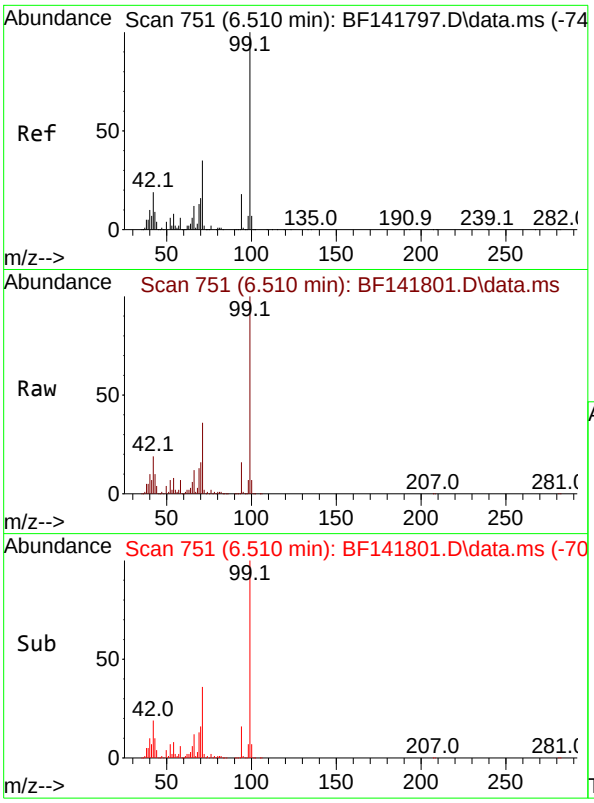
#6
Aniline
Concen: 42.857 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 93 Resp: 1221626

Ion	Ratio	Lower	Upper
93	100		
66	40.7	32.3	48.5
65	20.0	15.9	23.9



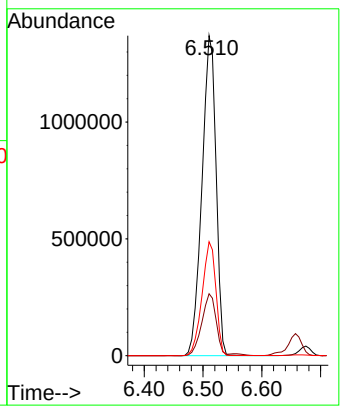
Instrument :
BNA_F
ClientSampleId :
ICVBF022725

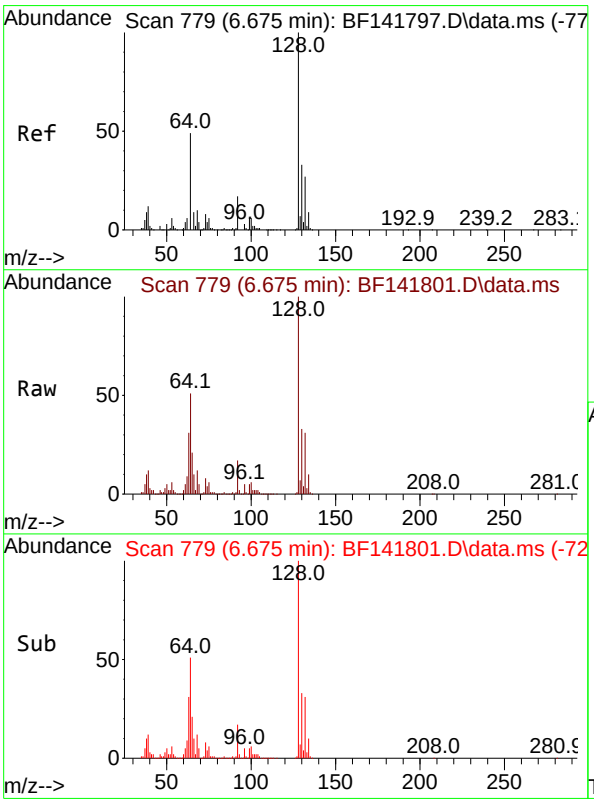


#7
Phenol-d6
Concen: 83.039 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 99 Resp: 2276751

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.2	22.8
71	35.6	28.2	42.2

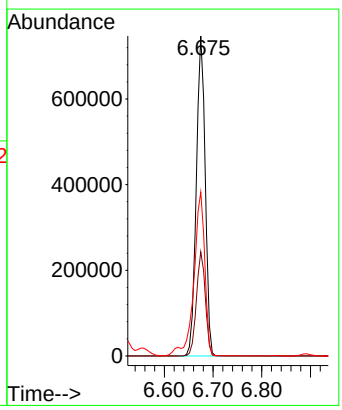


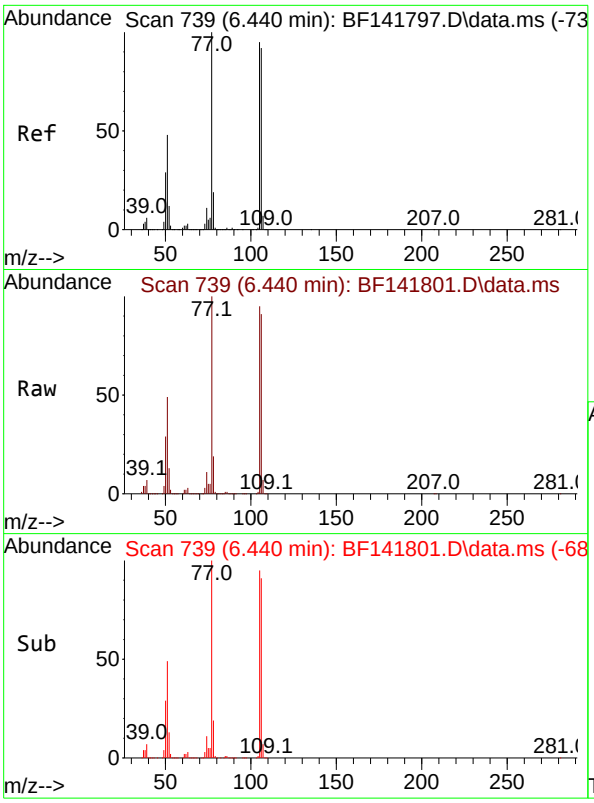


#8
2-Chlorophenol
Concen: 42.011 ng
RT: 6.675 min Scan# 779
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:128 Resp: 957321

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.6	52.6
64	51.2	31.1	71.1



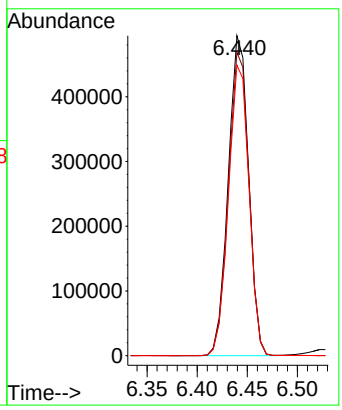


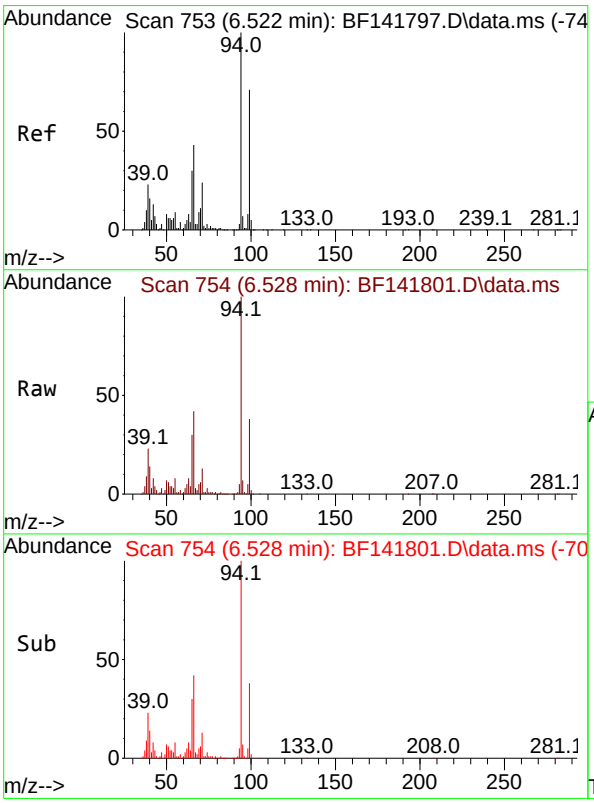
#9
Benzaldehyde
Concen: 43.684 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 77 Resp: 696694

Ion	Ratio	Lower	Upper
77	100		
105	94.8	75.3	115.3
106	90.8	72.3	112.3

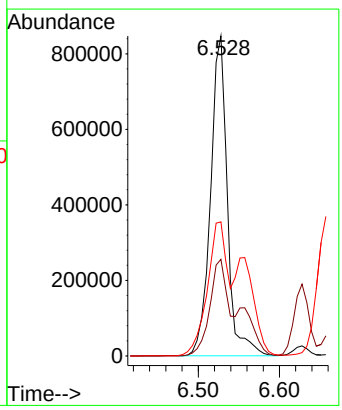


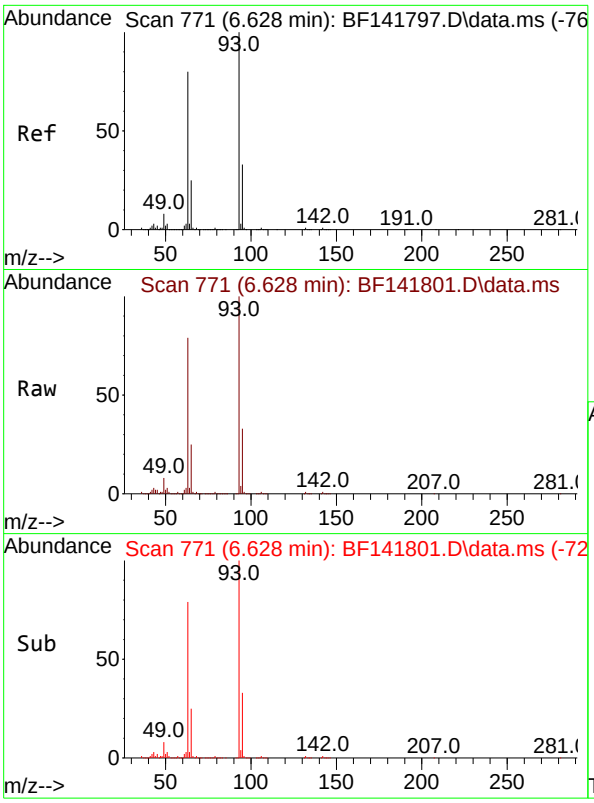


#10
Phenol
Concen: 41.614 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 94 Resp: 1219216

Ion	Ratio	Lower	Upper
94	100		
65	30.2	10.2	50.2
66	41.9	23.2	63.2



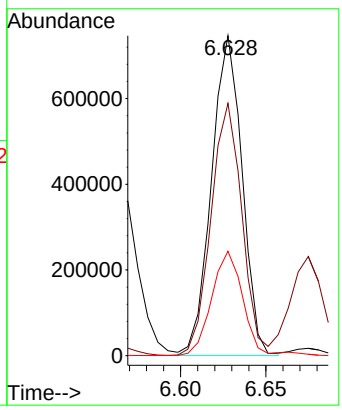


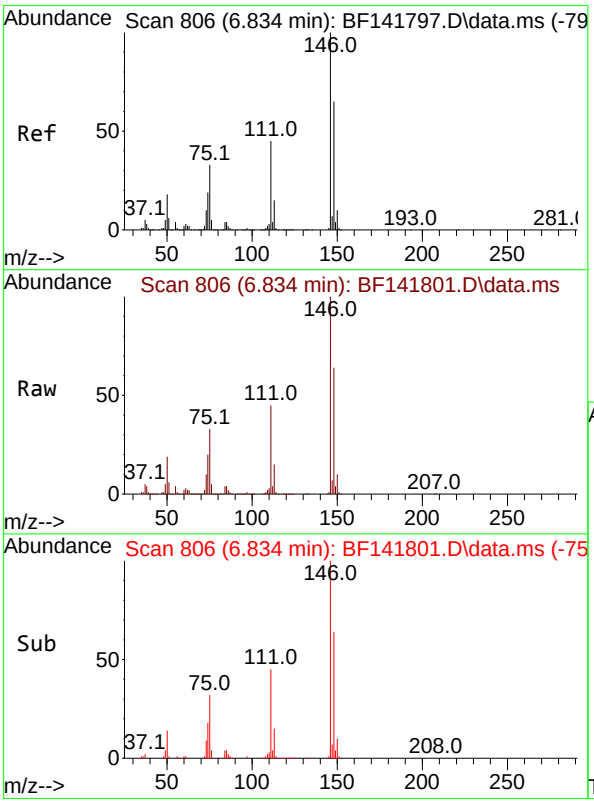
#11
bis(2-Chloroethyl)ether
Concen: 41.763 ng
RT: 6.628 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 93 Resp: 932690

Ion	Ratio	Lower	Upper
93	100		
63	78.9	59.3	99.3
95	32.6	13.2	53.2

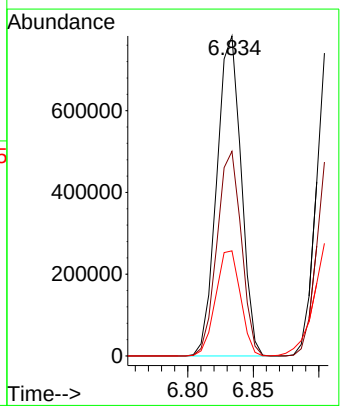


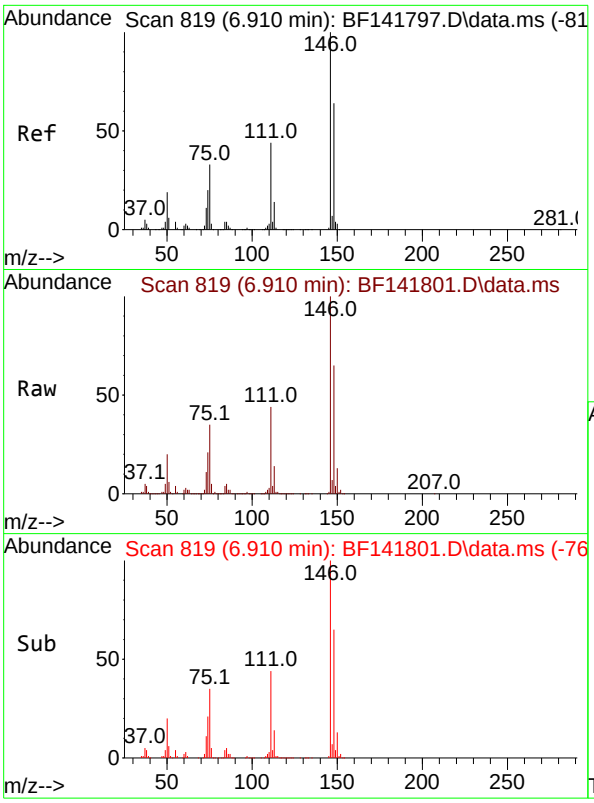


#12
1,3-Dichlorobenzene
Concen: 41.498 ng
RT: 6.834 min Scan# 806
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:146 Resp: 1012705

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.6
75	32.9	26.2	39.4



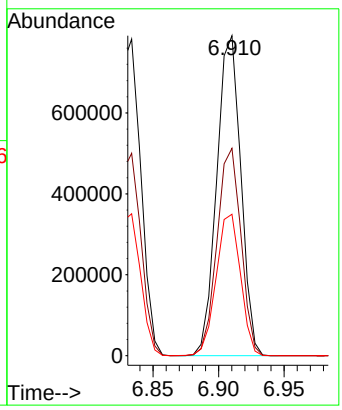


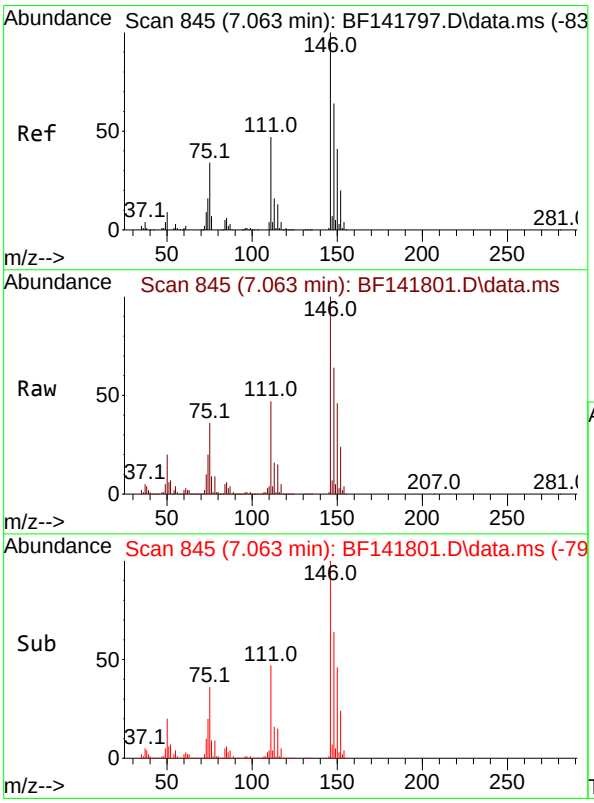
#13
1,4-Dichlorobenzene
Concen: 41.066 ng
RT: 6.910 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:146 Resp: 1009763

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.4	77.2
111	44.2	35.5	53.3

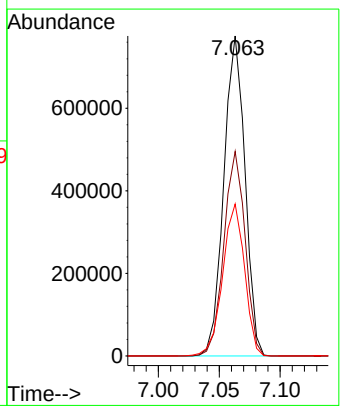


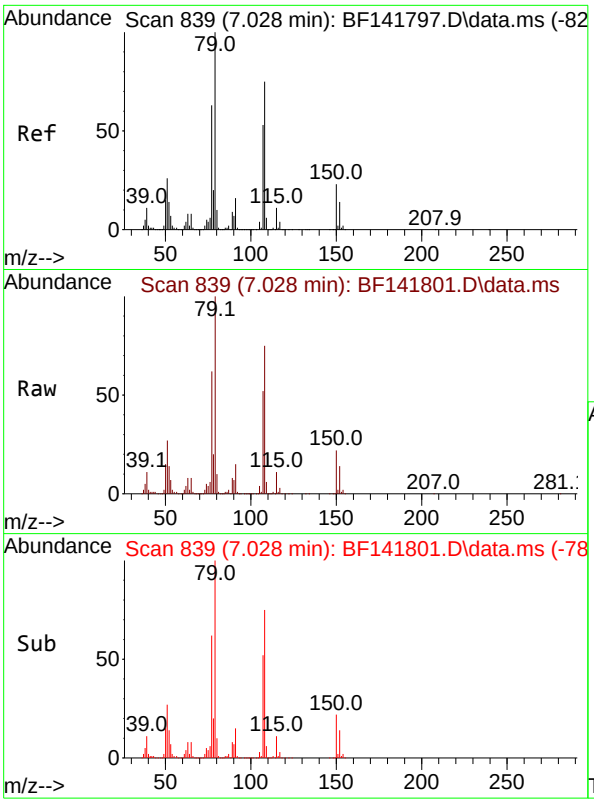


#14
1,2-Dichlorobenzene
Concen: 40.857 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:146 Resp: 938112

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.2	76.8
111	47.5	37.8	56.6



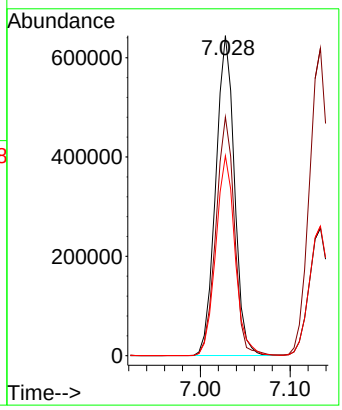


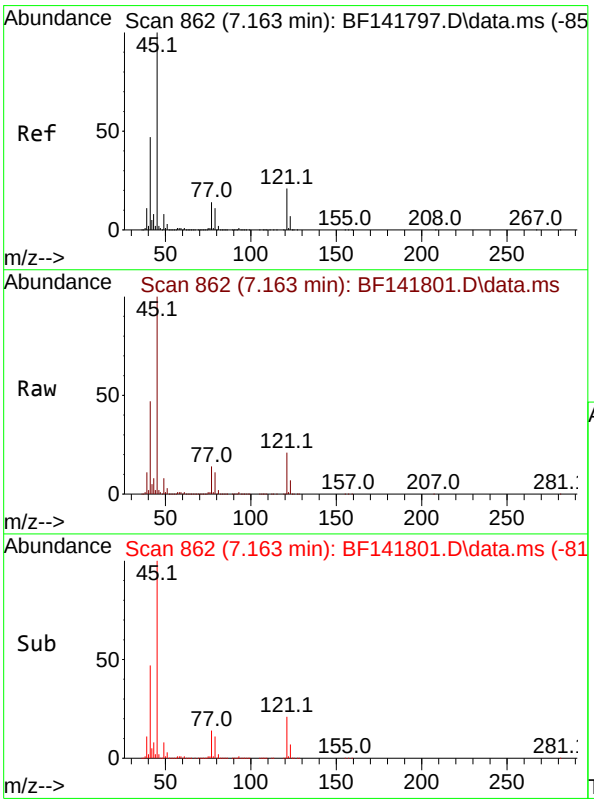
#15
Benzyl Alcohol
Concen: 42.564 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 79 Resp: 932679

Ion	Ratio	Lower	Upper
79	100		
108	74.6	60.2	90.2
77	62.5	50.2	75.2

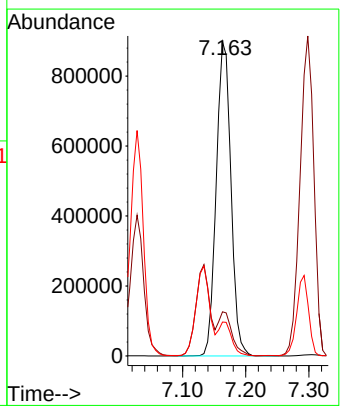


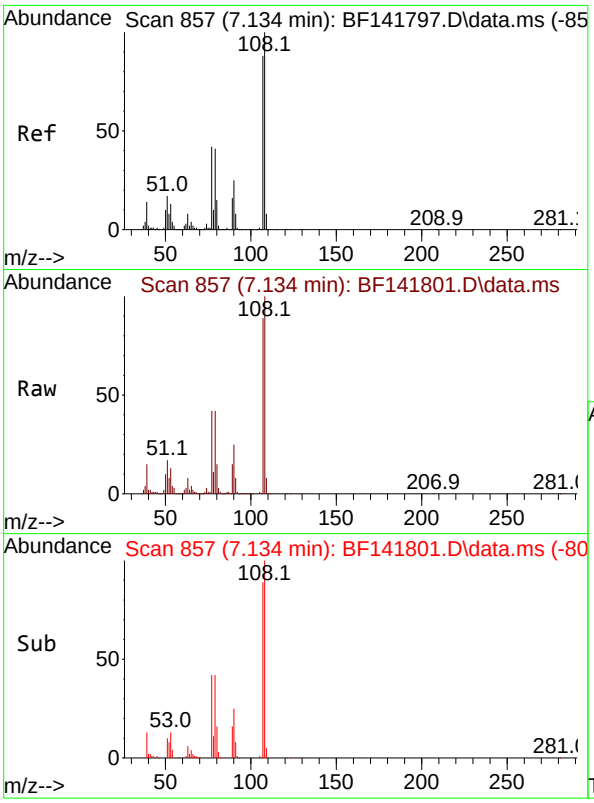


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.679 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 45 Resp: 1447535

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	34.4
79	10.8	0.0	30.9



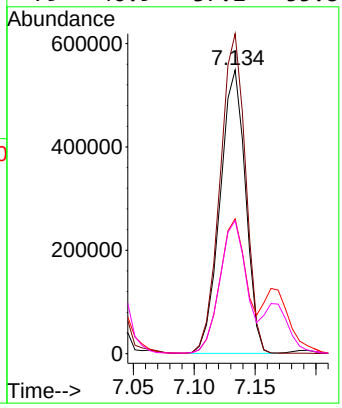


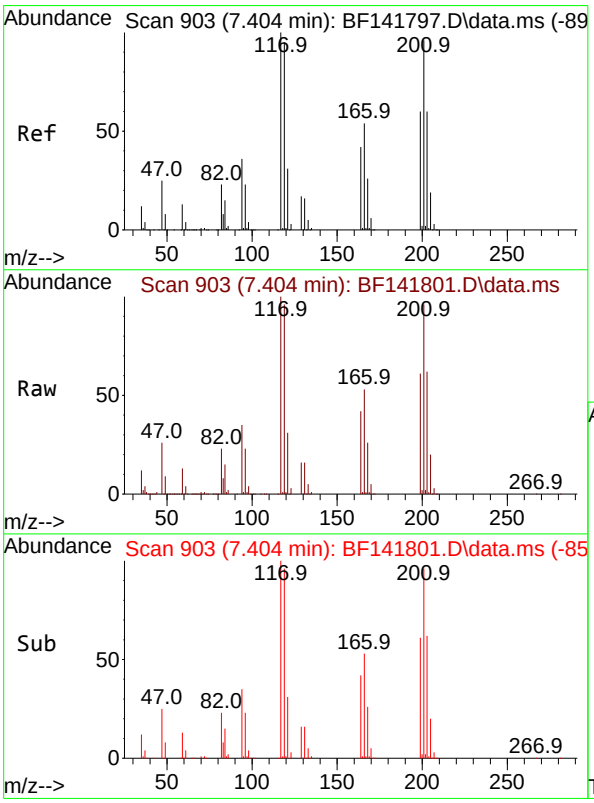
#17
2-Methylphenol
Concen: 42.365 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:107 Resp: 796850

Ion	Ratio	Lower	Upper
107	100		
108	112.8	90.6	135.8
77	47.6	37.7	56.5
79	46.9	37.2	55.8

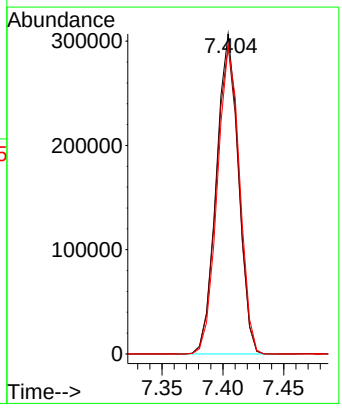


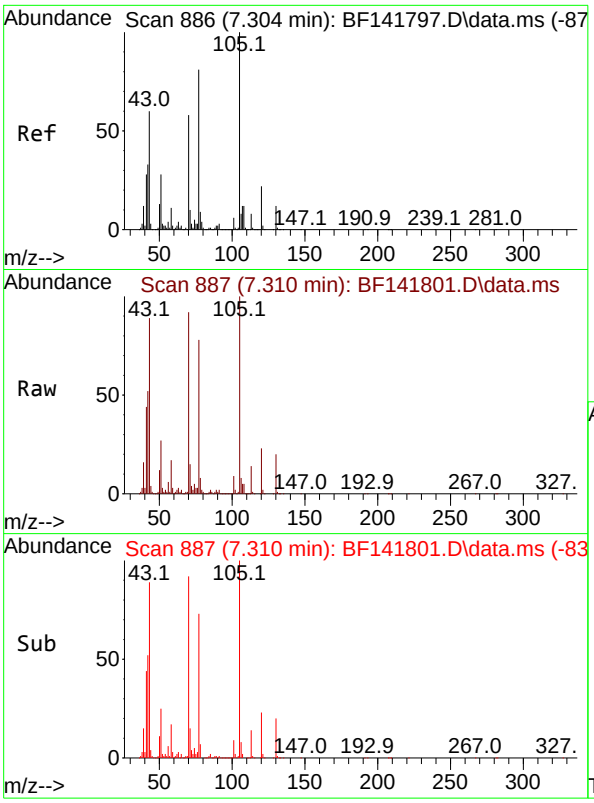


#18
Hexachloroethane
Concen: 42.366 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:117 Resp: 389901

Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.8	113.8
201	96.2	76.7	115.1



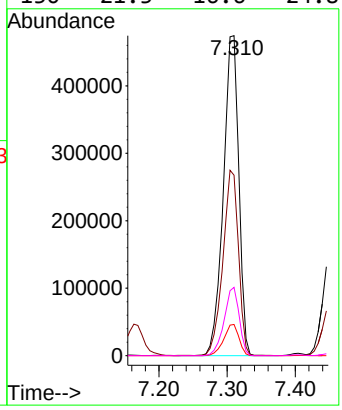


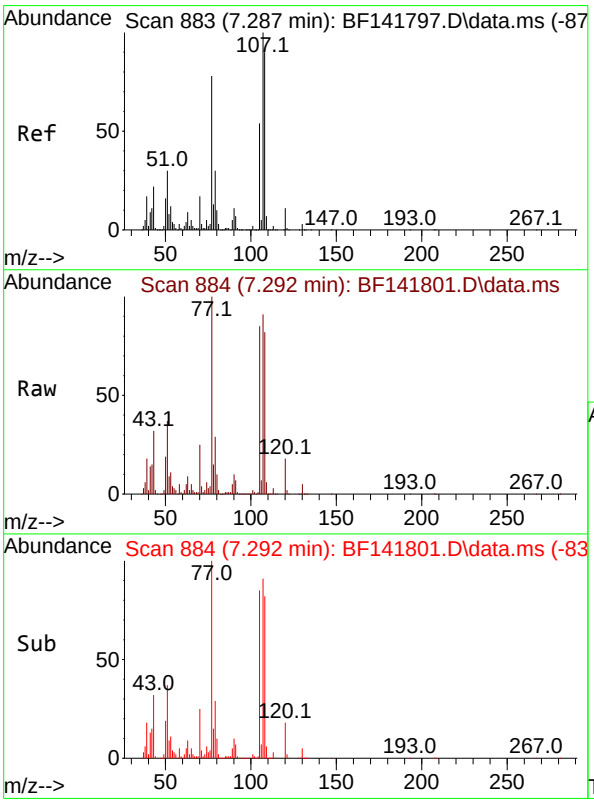
#19
n-Nitroso-di-n-propylamine
Concen: 41.525 ng
RT: 7.310 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 70 Resp: 748423

Ion	Ratio	Lower	Upper
70	100		
42	56.4	45.4	68.0
101	9.8	7.8	11.8
130	21.3	16.6	24.8

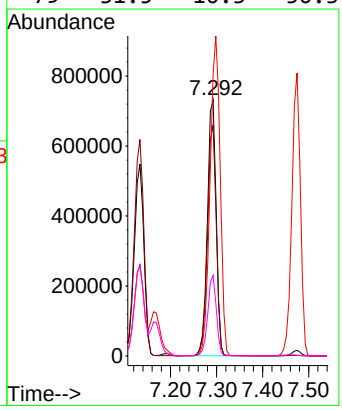


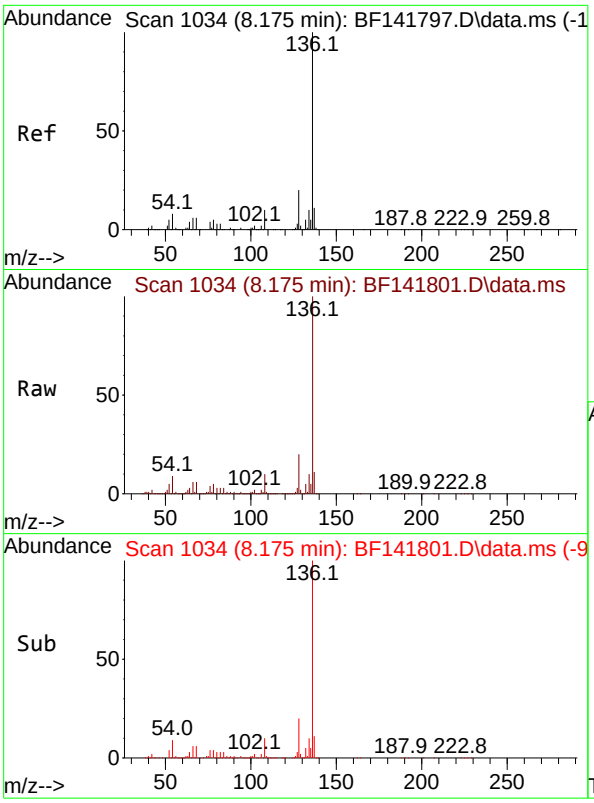


#20
3+4-Methylphenols
Concen: 41.840 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:107 Resp: 979968

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.7	109.7
77	109.8	58.3	98.3#
79	31.5	10.3	50.3



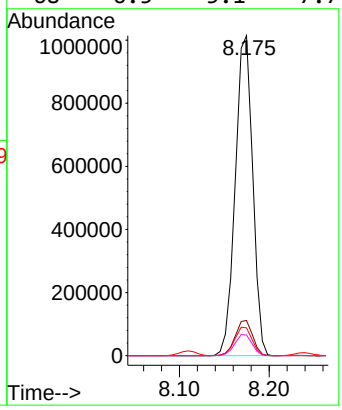


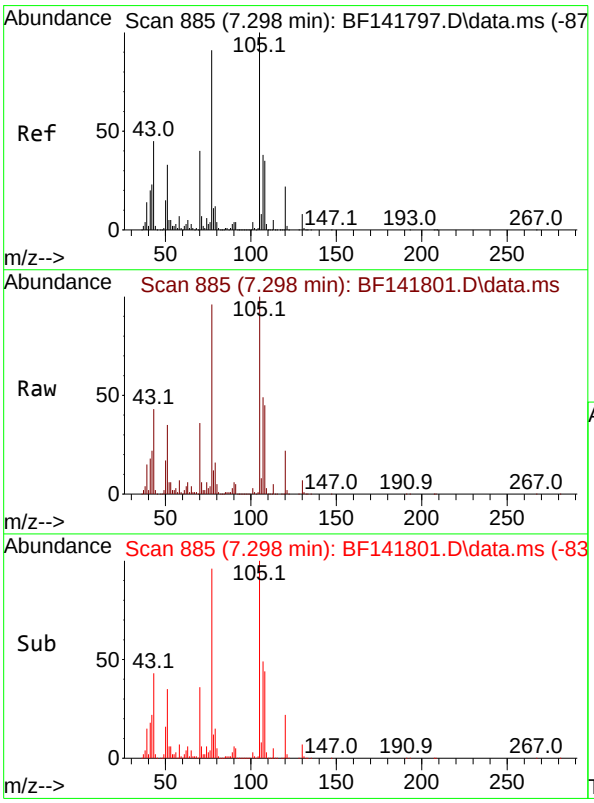
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:136 Resp: 1367272

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.7	6.9	10.3
68	6.5	5.1	7.7

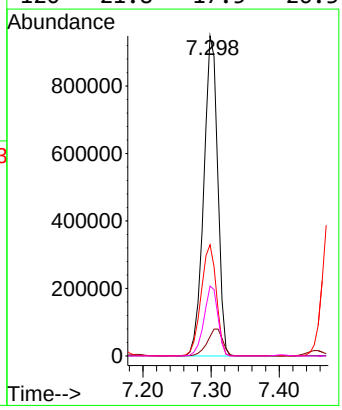


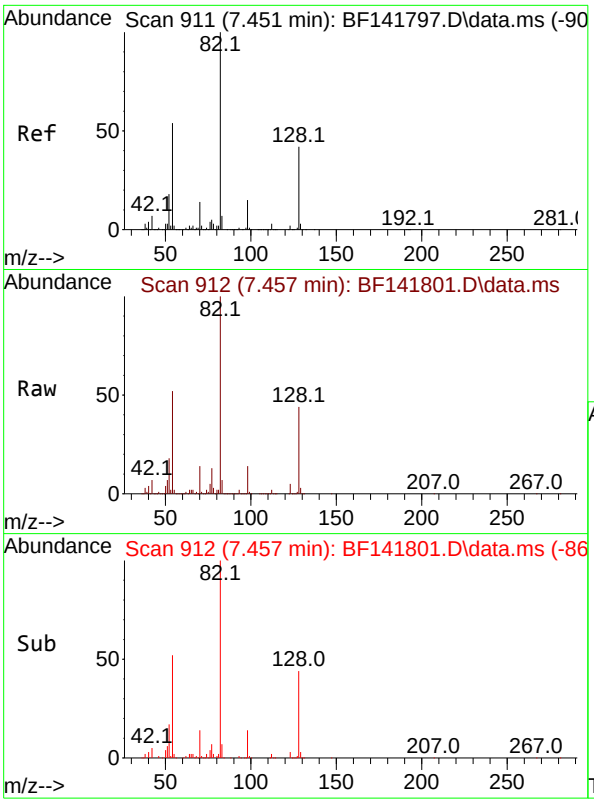


#22
Acetophenone
Concen: 40.417 ng
RT: 7.298 min Scan# 885
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:105 Resp: 1345874

Ion	Ratio	Lower	Upper
105	100		
71	6.1	5.4	8.0
51	34.8	26.1	39.1
120	21.8	17.5	26.3



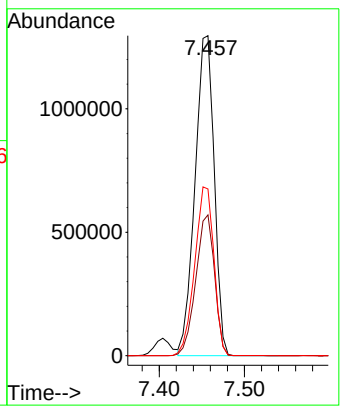


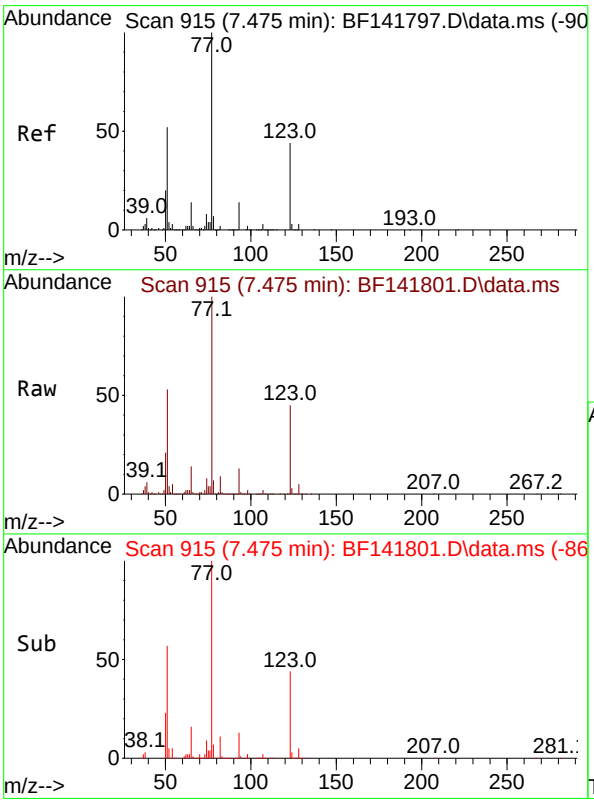
#23
Nitrobenzene-d5
Concen: 94.707 ng
RT: 7.457 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 82 Resp: 2025812

Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.5	50.3
54	52.1	42.7	64.1

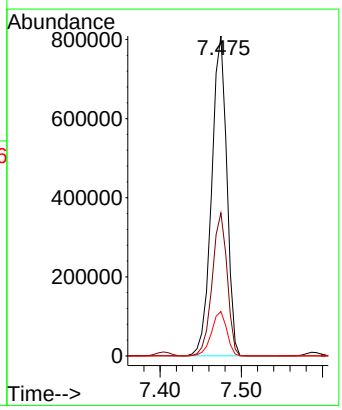


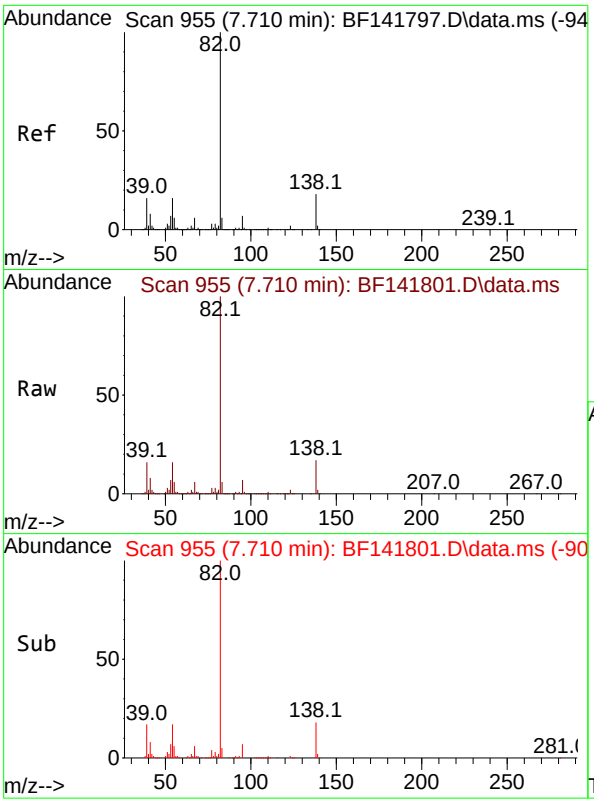


#24
Nitrobenzene
Concen: 45.751 ng
RT: 7.475 min Scan# 915
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 77 Resp: 1047974

Ion	Ratio	Lower	Upper
77	100		
123	44.7	35.8	53.8
65	13.9	11.2	16.8



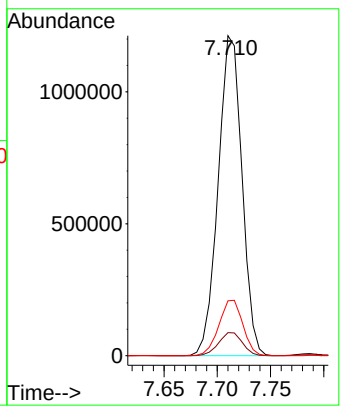


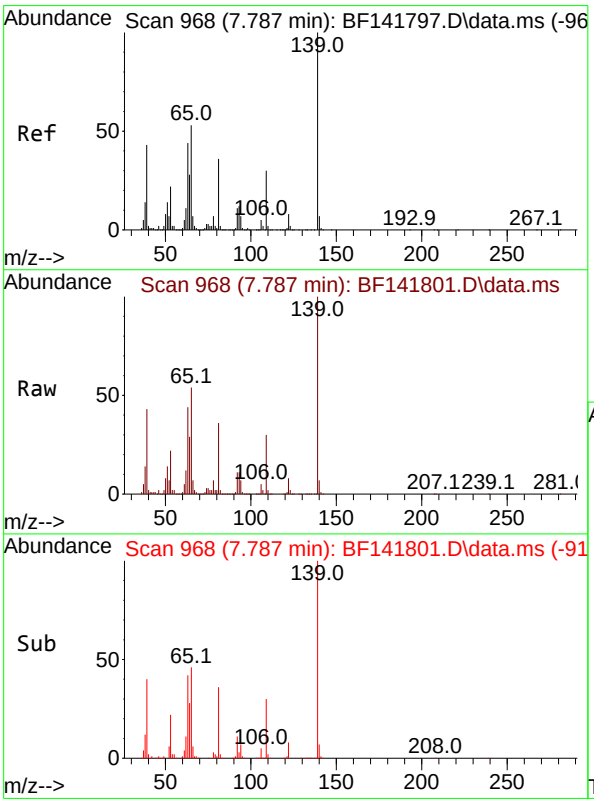
#25
Isophorone
Concen: 40.944 ng
RT: 7.710 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 82 Resp: 1881562

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.8
138	17.2	14.0	21.0

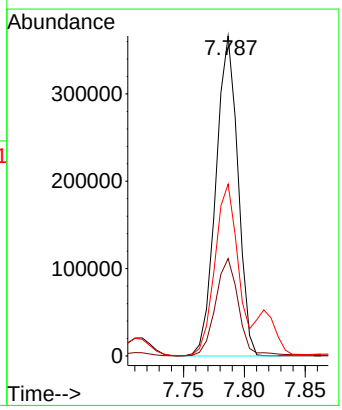


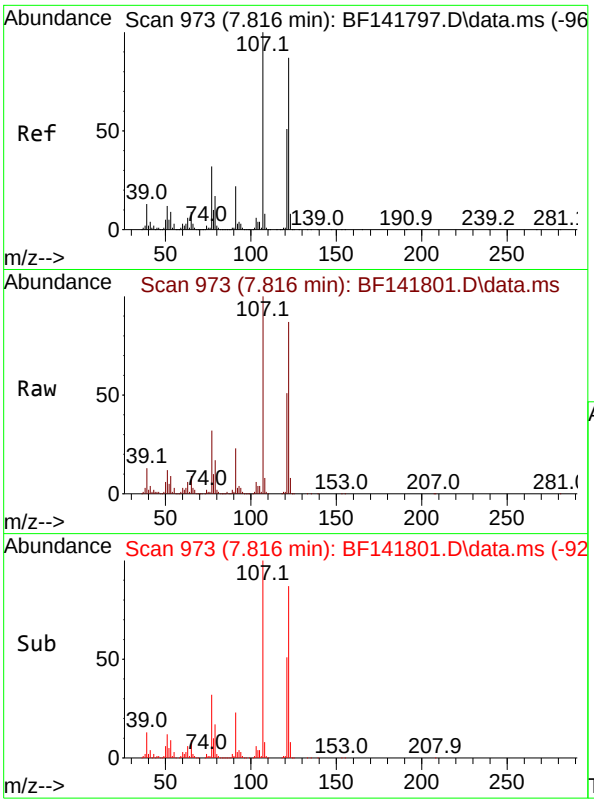


#26
2-Nitrophenol
Concen: 45.447 ng
RT: 7.787 min Scan# 968
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:139 Resp: 462297

Ion	Ratio	Lower	Upper
139	100		
109	30.5	24.1	36.1
65	53.7	42.3	63.5



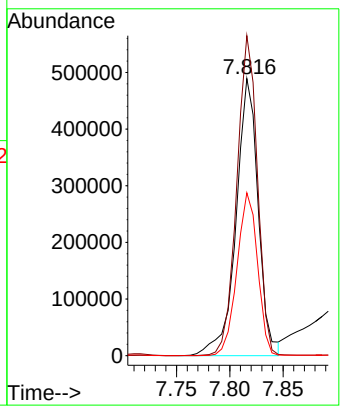


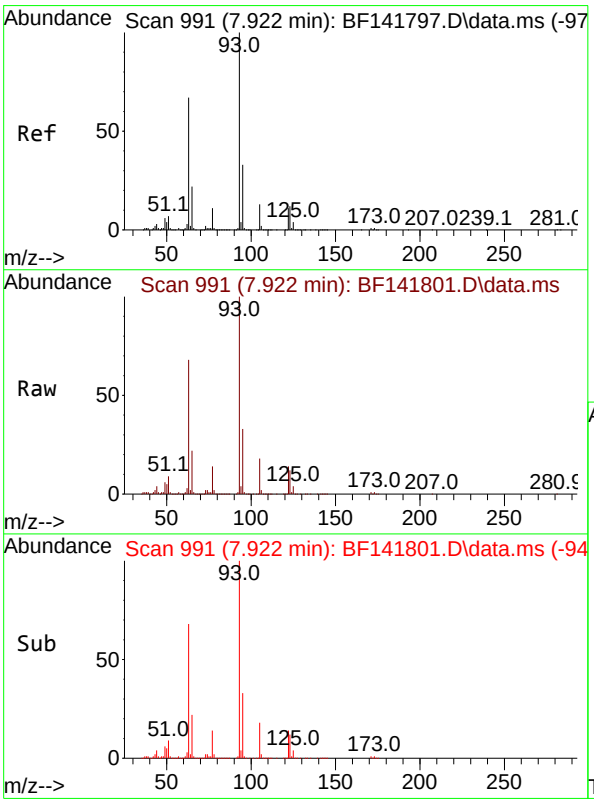
#27
2,4-Dimethylphenol
Concen: 41.931 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:122 Resp: 708317

Ion	Ratio	Lower	Upper
122	100		
107	115.5	92.5	138.7
121	58.8	47.1	70.7

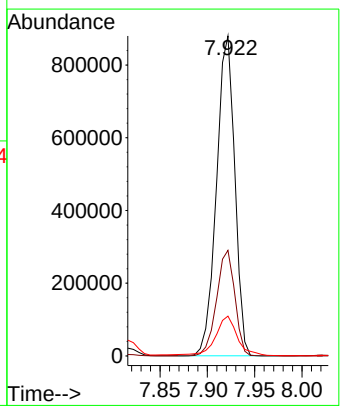


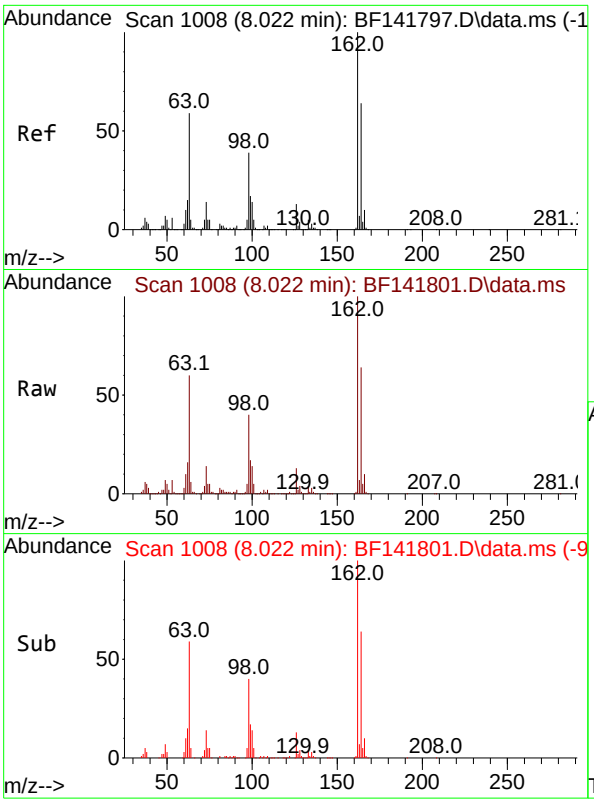


#28
bis(2-Chloroethoxy)methane
Concen: 40.357 ng
RT: 7.922 min Scan# 991
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 93 Resp: 1183035

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.5	39.7
123	12.4	10.0	15.0



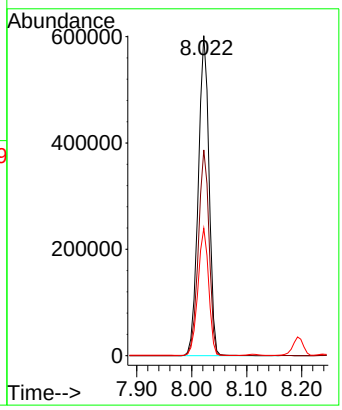


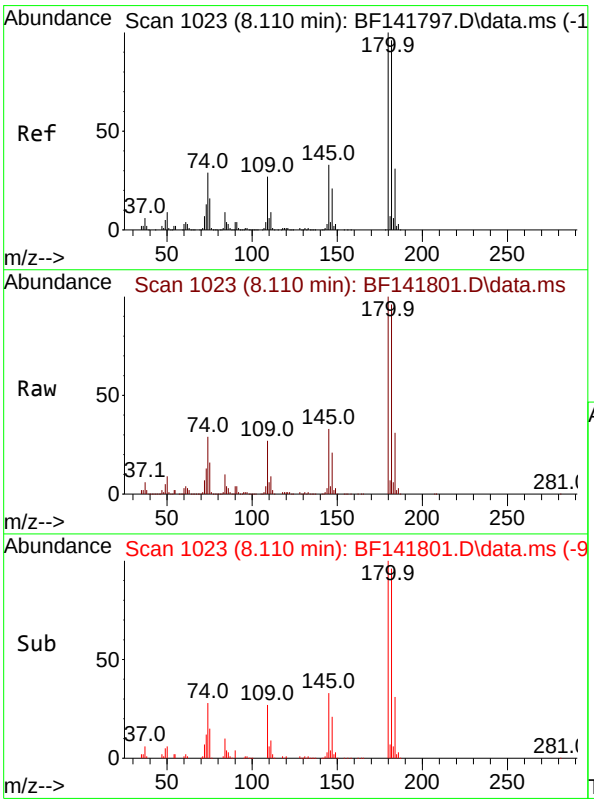
#29
2,4-Dichlorophenol
Concen: 42.157 ng
RT: 8.022 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:162 Resp: 821536

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	39.8	19.6	59.6

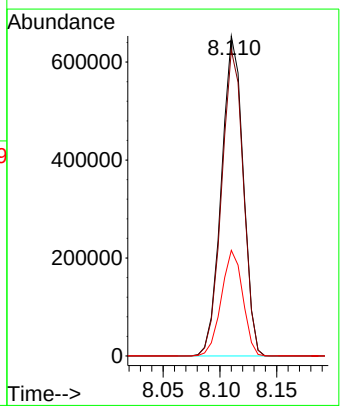


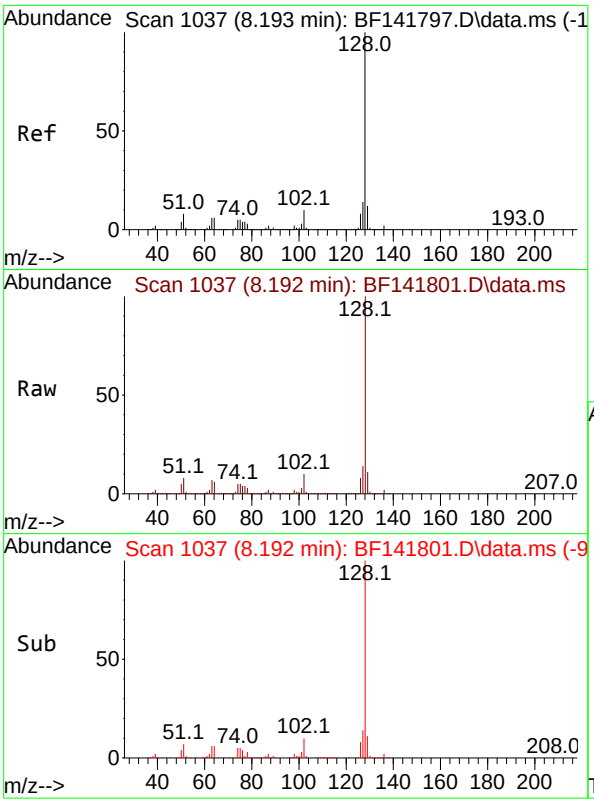


#30
1,2,4-Trichlorobenzene
Concen: 40.757 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:180 Resp: 870339

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.8	115.2
145	33.0	26.4	39.6



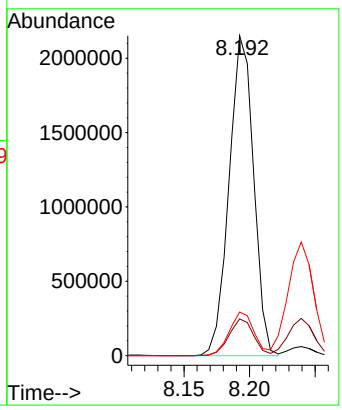


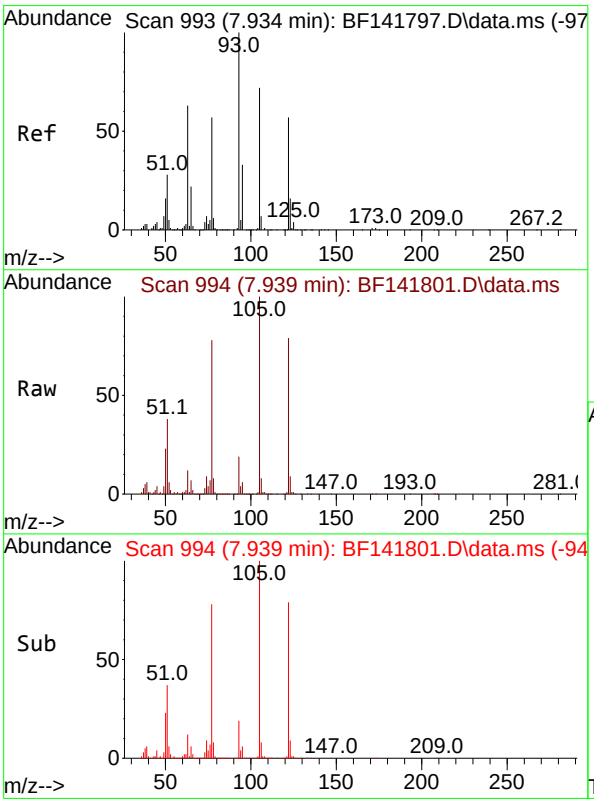
#31
Naphthalene
Concen: 39.854 ng
RT: 8.192 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:128 Resp: 2800645

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.7	11.0	16.4

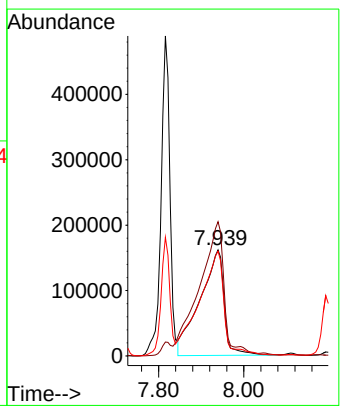


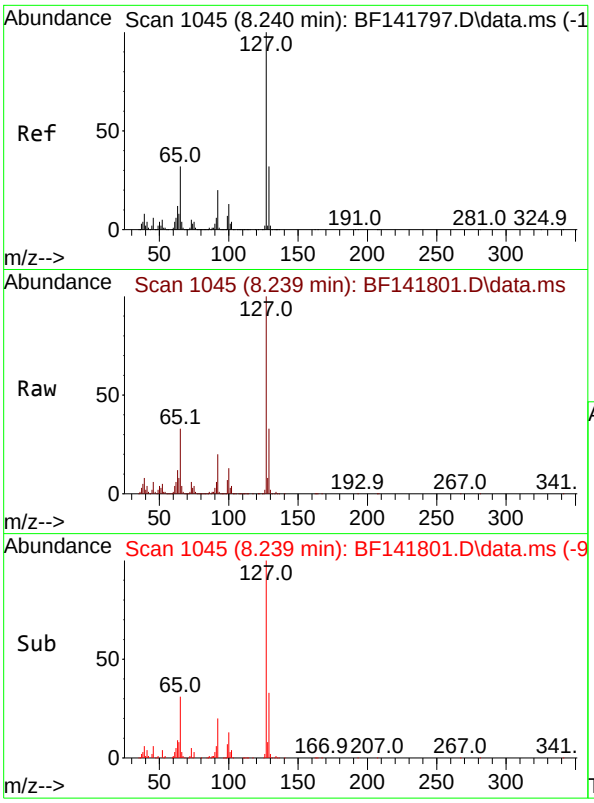


#32
Benzoic acid
Concen: 45.545 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.005 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:122 Resp: 635541

Ion	Ratio	Lower	Upper
122	100		
105	126.6	105.8	145.8
77	98.8	79.9	119.9



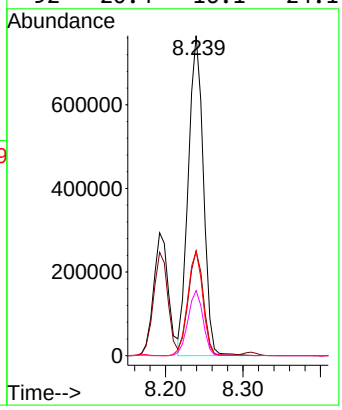


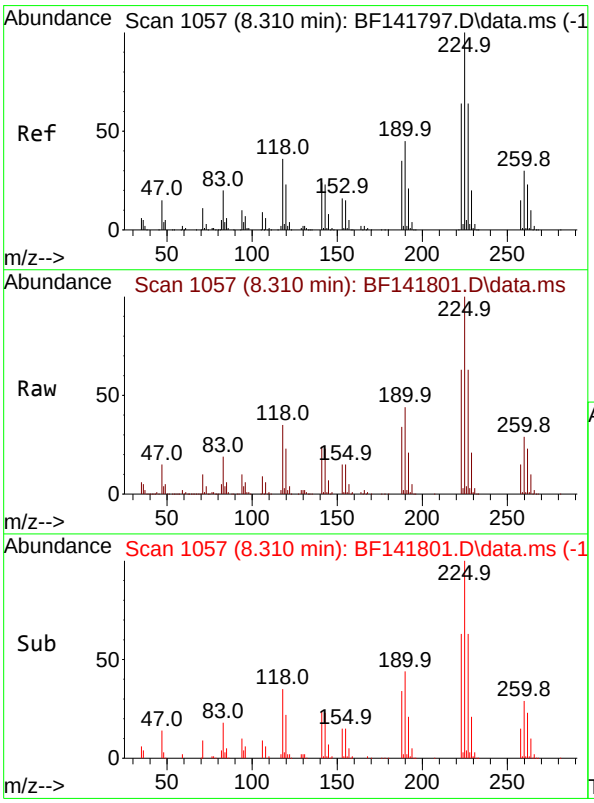
#33
4-Chloroaniline
Concen: 40.096 ng
RT: 8.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:127 Resp: 1033113

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	32.6	25.7	38.5
92	20.4	16.1	24.1

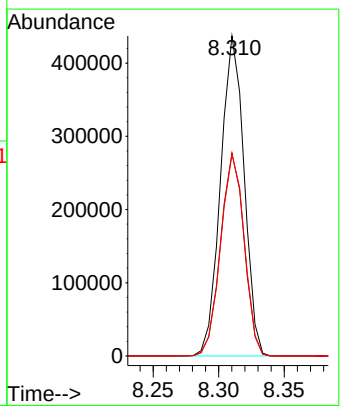


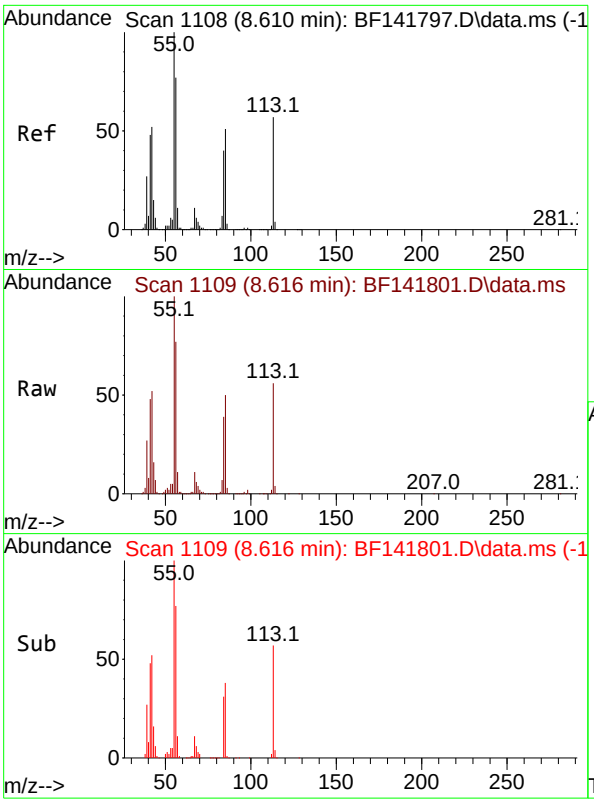


#34
Hexachlorobutadiene
Concen: 41.042 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:225 Resp: 544620

Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.4	77.2
227	63.0	51.6	77.4



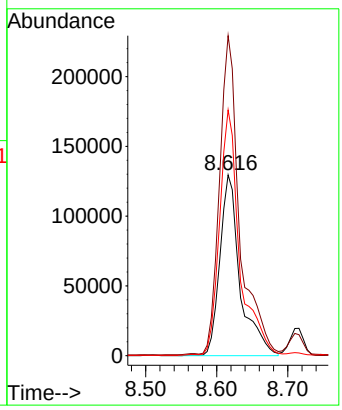


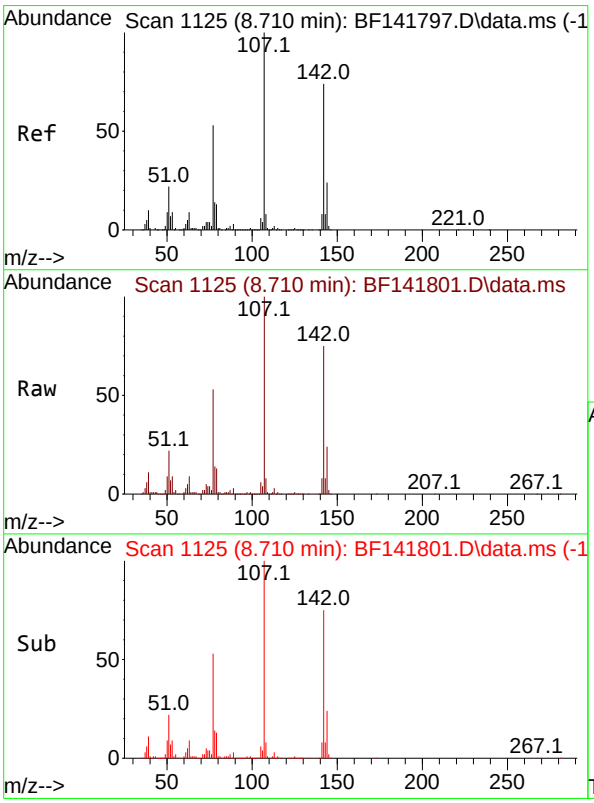
#35
Caprolactam
Concen: 42.737 ng
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:113 Resp: 256209

Ion	Ratio	Lower	Upper
113	100		
55	177.0	155.6	195.6
56	135.9	114.6	154.6

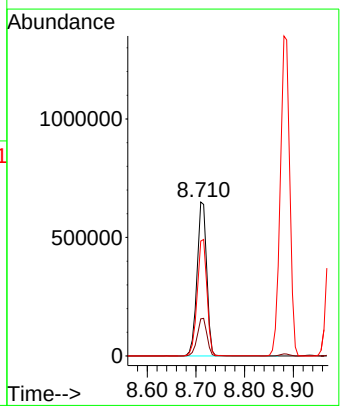


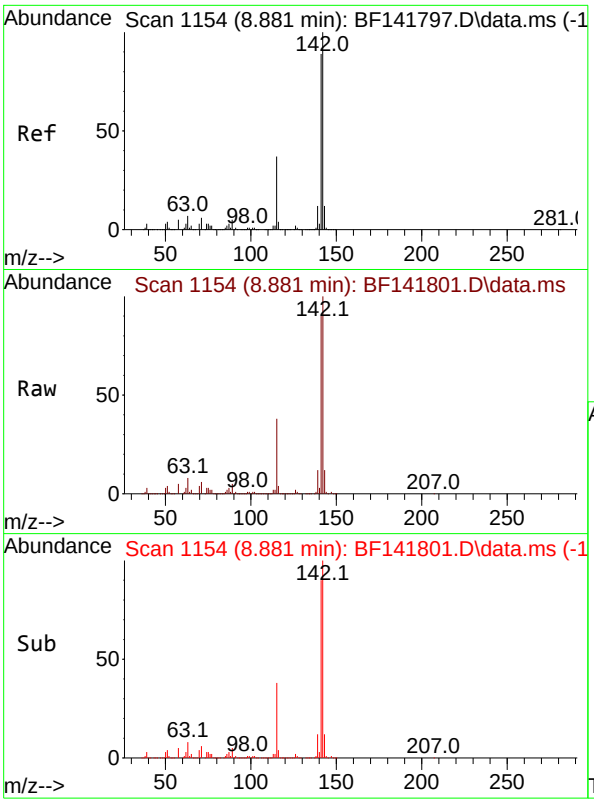


#36
4-Chloro-3-methylphenol
Concen: 41.844 ng
RT: 8.710 min Scan# 1125
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:107 Resp: 905842

Ion	Ratio	Lower	Upper
107	100		
144	24.1	19.4	29.0
142	74.6	59.4	89.0



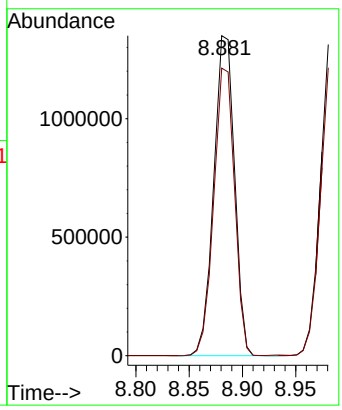


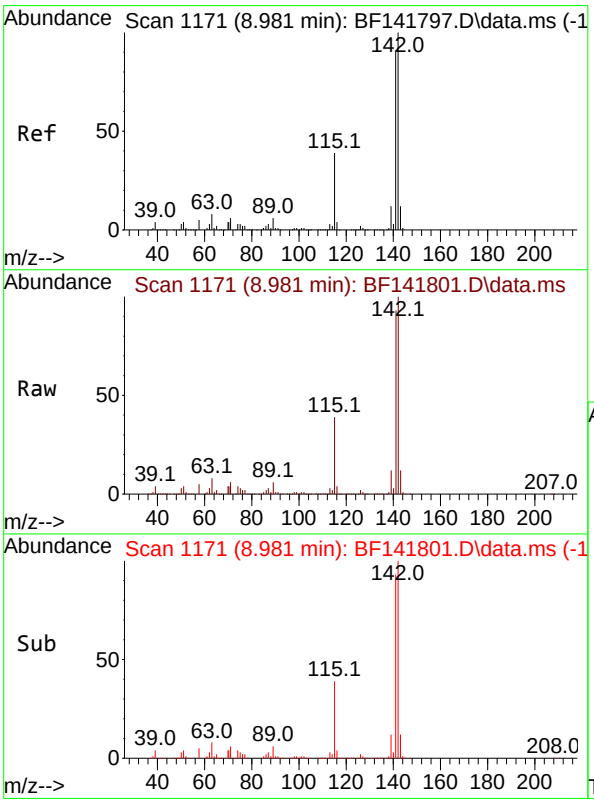
#37
2-Methylnaphthalene
Concen: 39.710 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:142 Resp: 1830313

Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.1	106.7

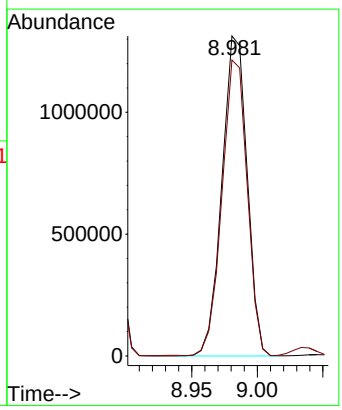


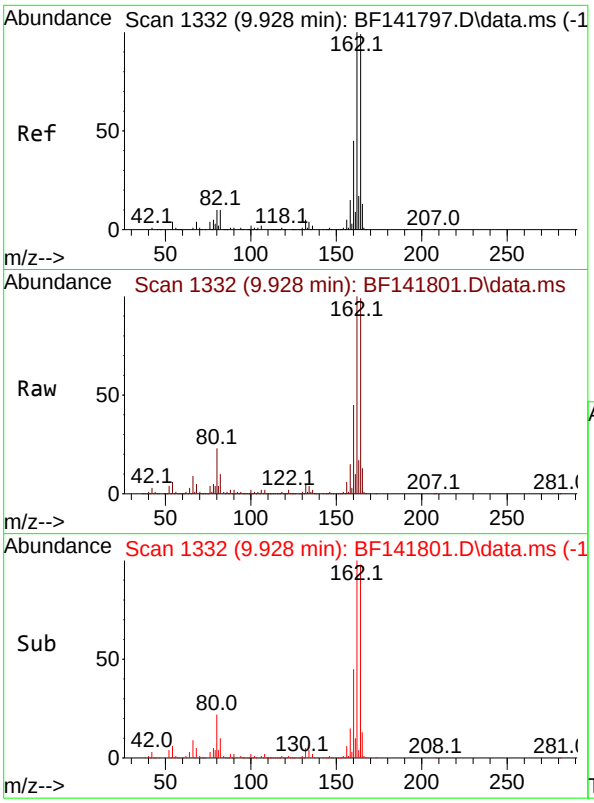


#38
1-Methylnaphthalene
Concen: 39.635 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:142 Resp: 1752937

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.1	109.7



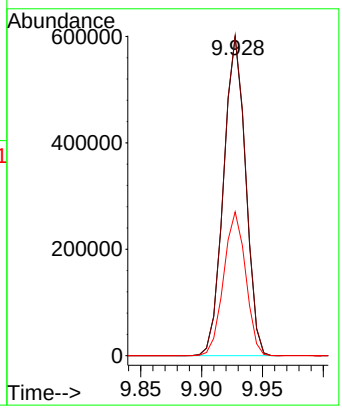


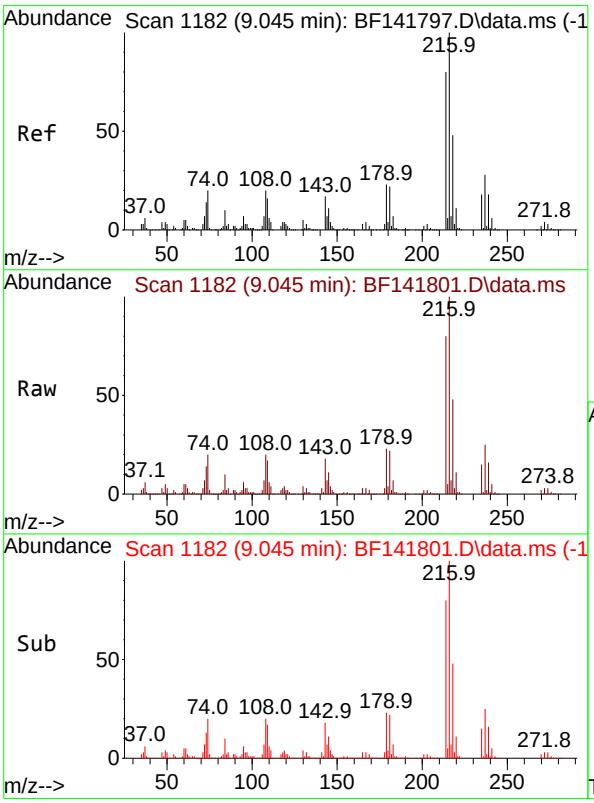
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:164 Resp: 753741

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	120.8
160	45.2	36.3	54.5

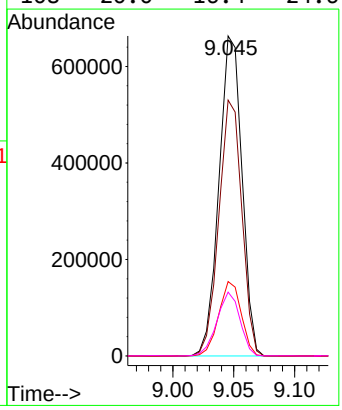


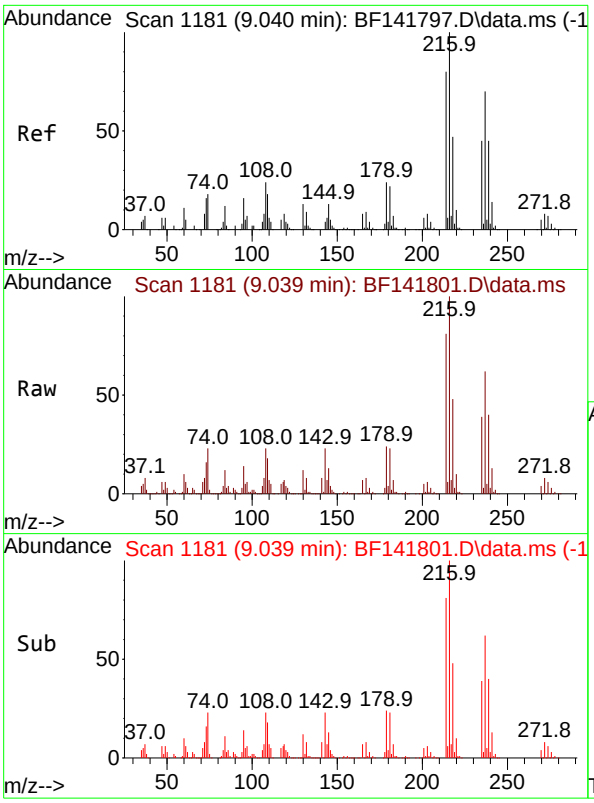


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.086 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:216 Resp: 872629

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.5	95.3
179	22.8	18.1	27.1
108	20.0	16.4	24.6



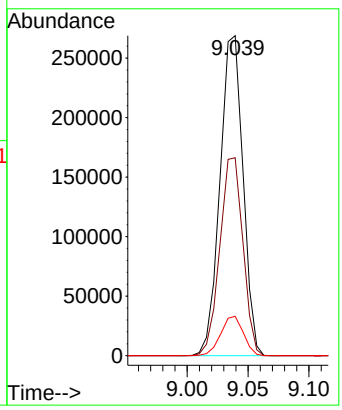


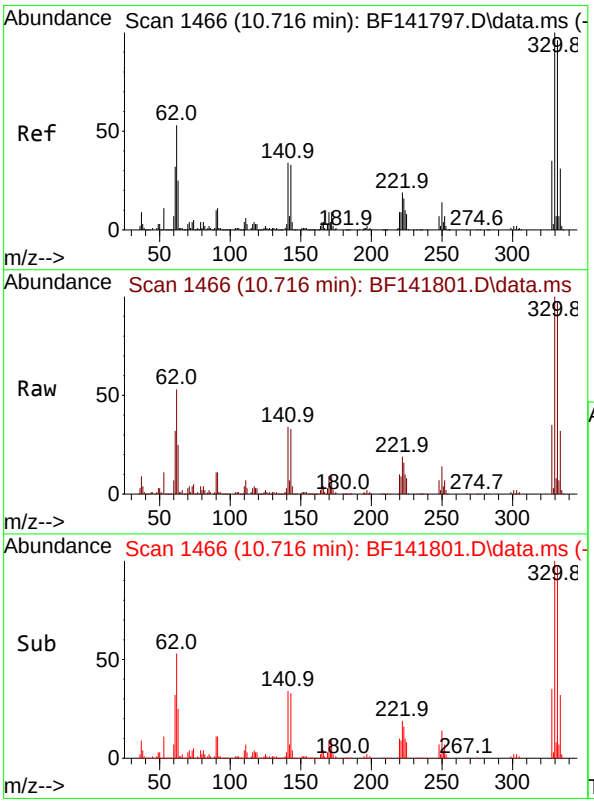
#41
Hexachlorocyclopentadiene
Concen: 38.975 ng
RT: 9.039 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:237 Resp: 354082

Ion	Ratio	Lower	Upper
237	100		
235	61.8	43.3	83.3
272	12.3	0.0	31.9

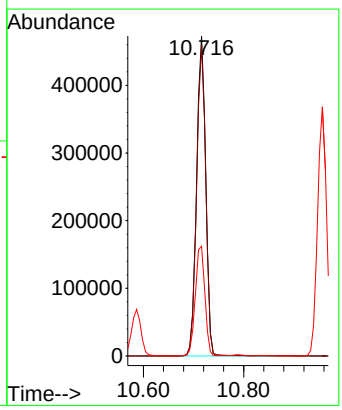


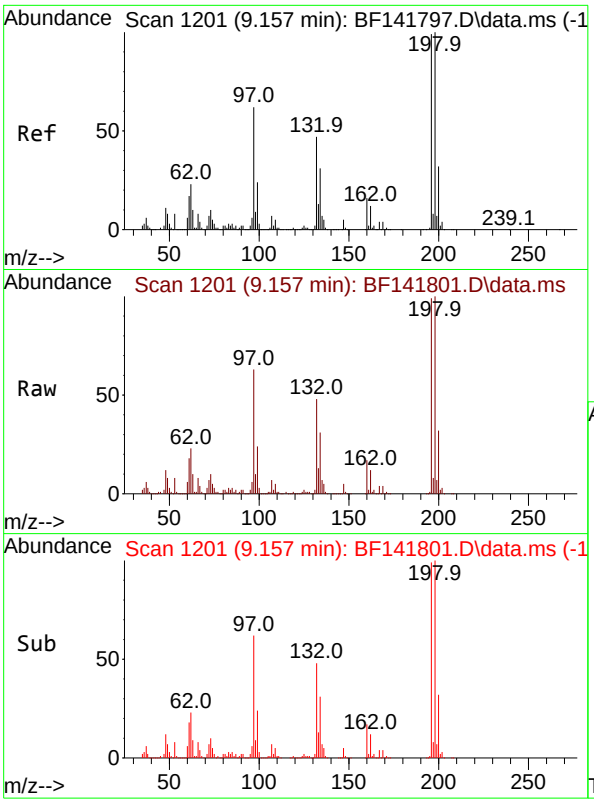


#42
2,4,6-Tribromophenol
Concen: 84.321 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:330 Resp: 596677

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.6	115.0
141	36.1	29.0	43.4



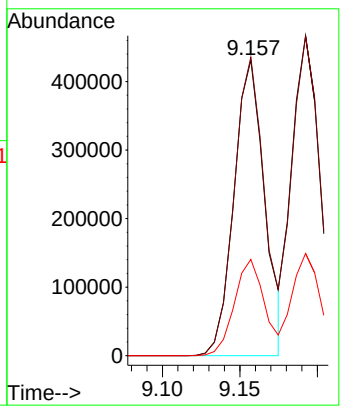


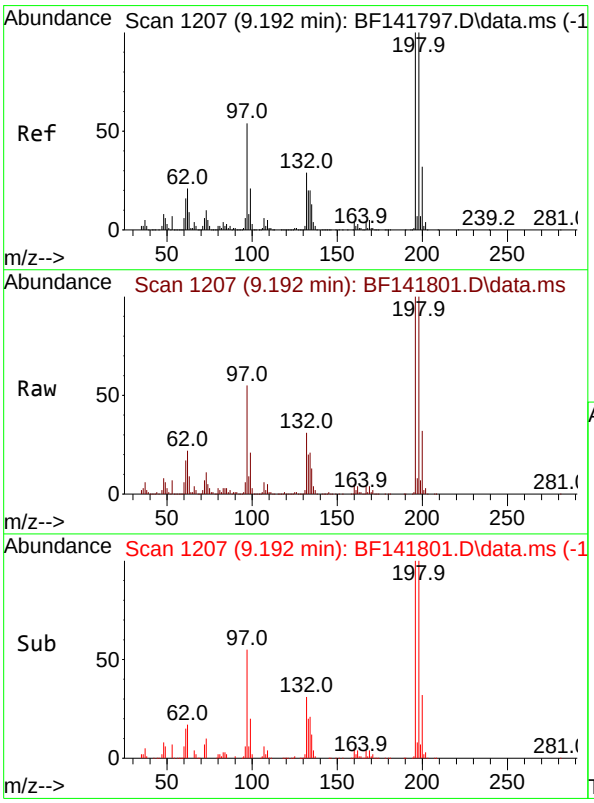
#43
2,4,6-Trichlorophenol
Concen: 42.156 ng
RT: 9.157 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:196 Resp: 592786

Ion	Ratio	Lower	Upper
196	100		
198	101.0	80.4	120.6
200	32.6	25.7	38.5

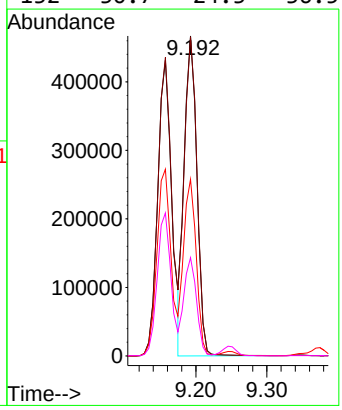


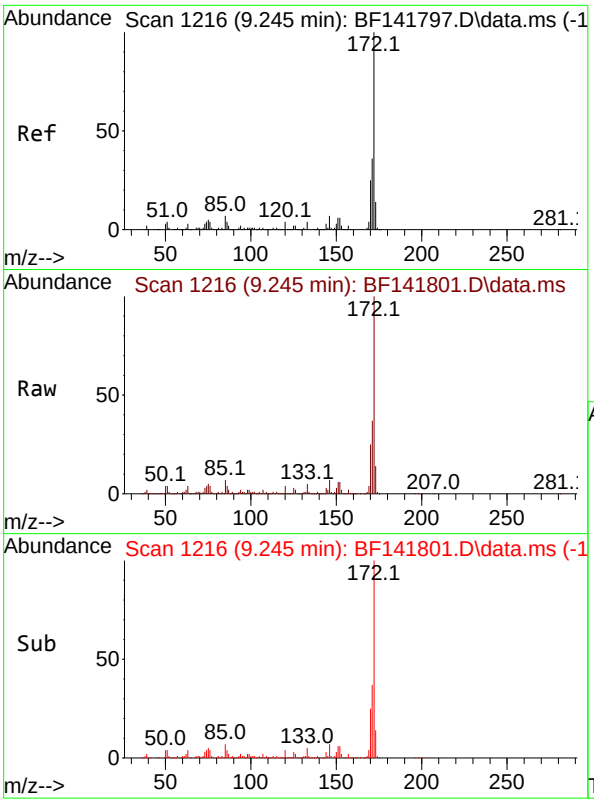


#44
2,4,5-Trichlorophenol
Concen: 41.806 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:196 Resp: 582125

Ion	Ratio	Lower	Upper
196	100		
198	99.8	79.7	119.5
97	55.2	44.2	66.2
132	30.7	24.3	36.5



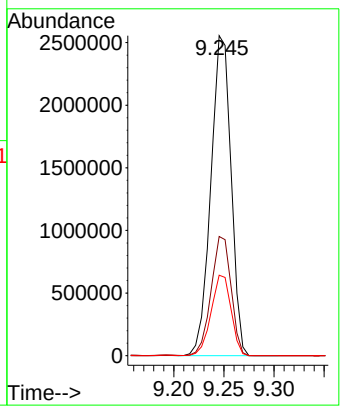


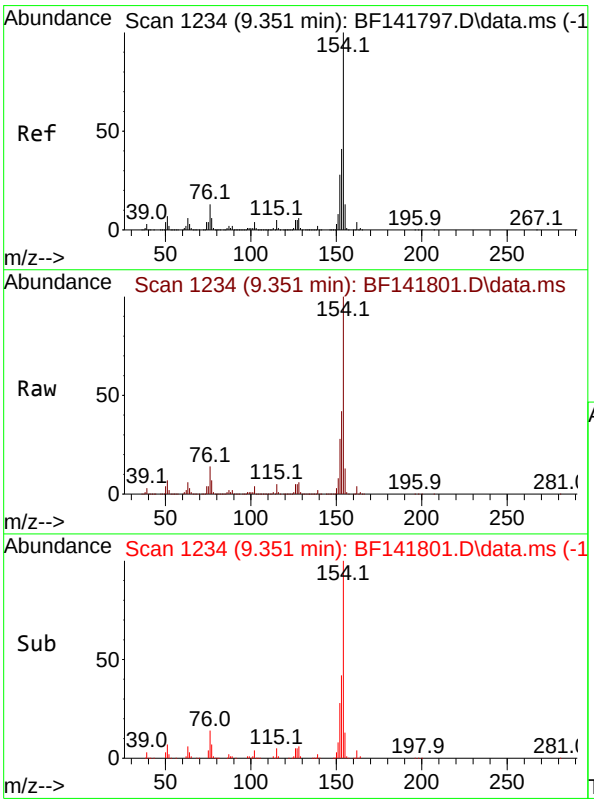
#45
2-Fluorobiphenyl
Concen: 75.957 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:172 Resp: 3570541

Ion	Ratio	Lower	Upper
172	100		
171	37.2	29.2	43.8
170	25.1	19.7	29.5

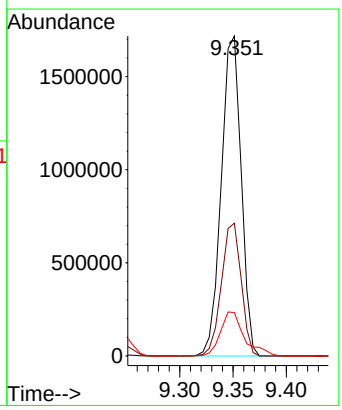


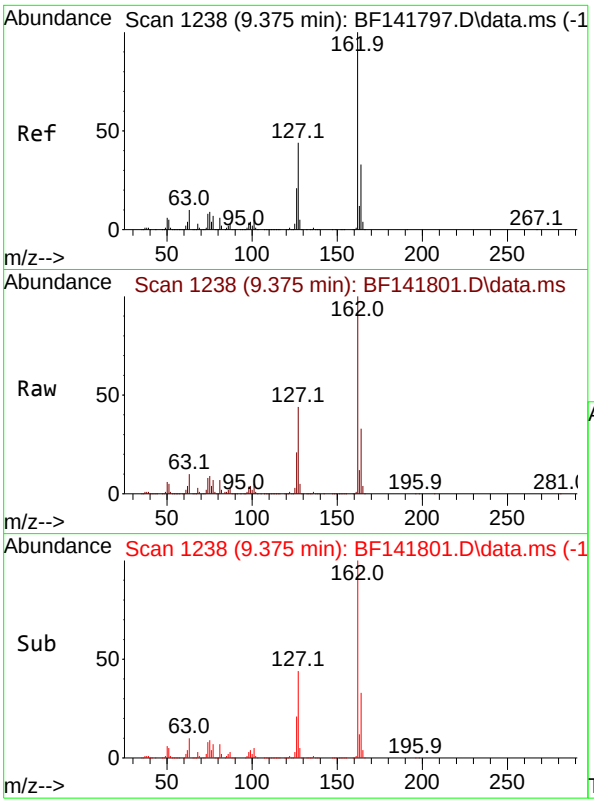


#46
1,1'-Biphenyl
Concen: 38.864 ng
RT: 9.351 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:154 Resp: 2229687

Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.4	61.4
76	13.6	0.0	33.4



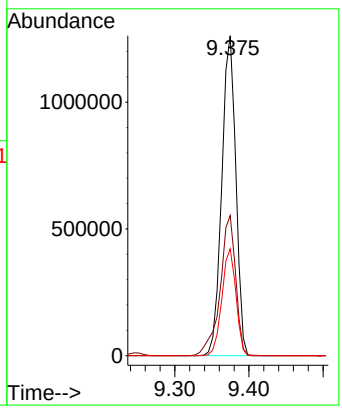


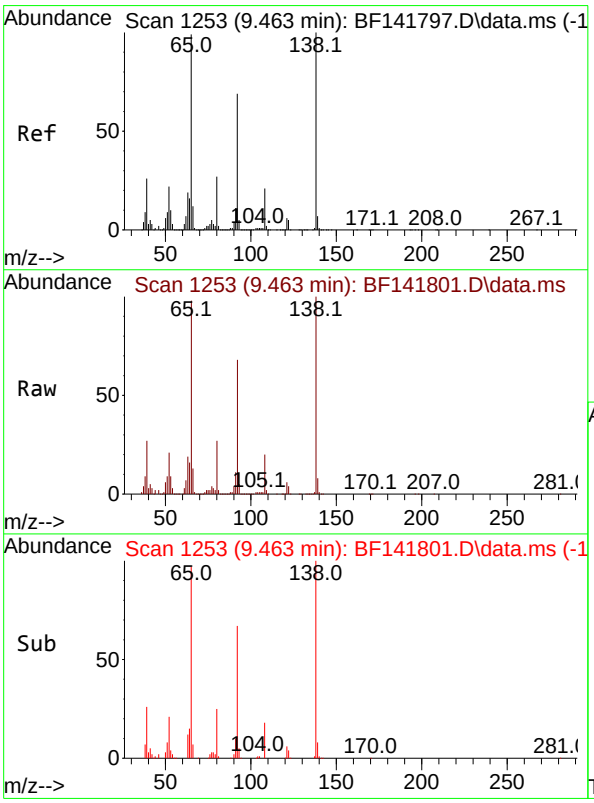
#47
2-Chloronaphthalene
Concen: 39.288 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:162 Resp: 1663643

Ion	Ratio	Lower	Upper
162	100		
127	43.8	35.0	52.6
164	33.4	26.6	40.0

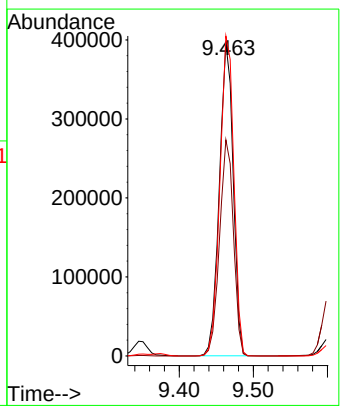


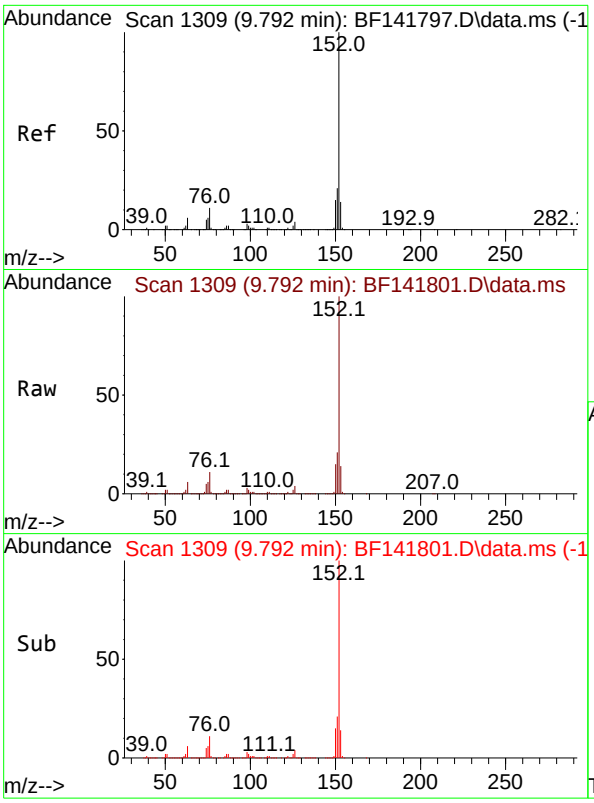


#48
2-Nitroaniline
Concen: 44.684 ng
RT: 9.463 min Scan# 1253
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion: 65 Resp: 514104

Ion	Ratio	Lower	Upper
65	100		
92	69.1	55.7	83.5
138	102.2	80.6	121.0



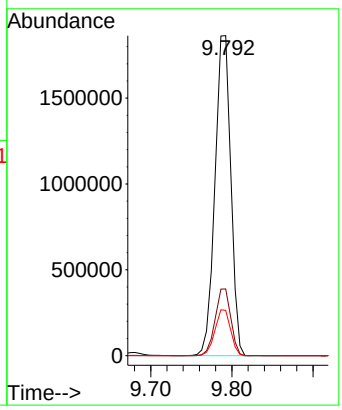


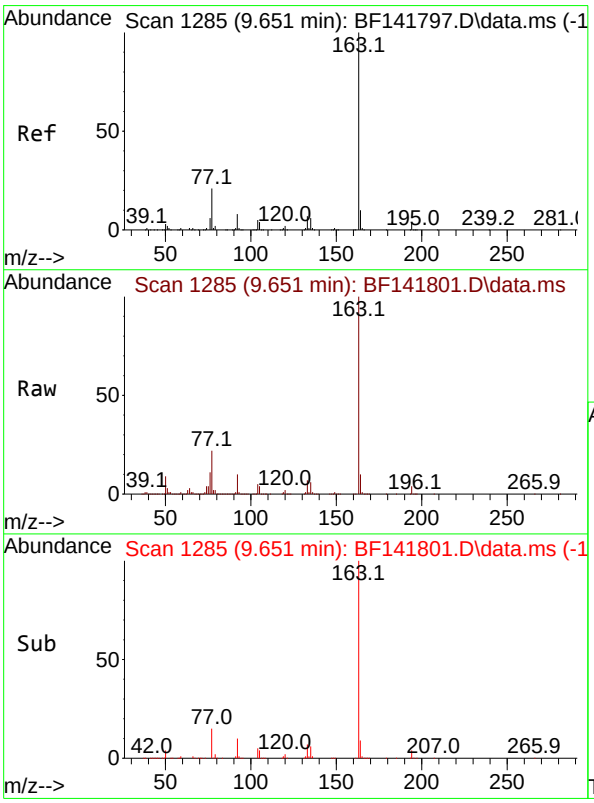
#49
Acenaphthylene
Concen: 39.907 ng
RT: 9.792 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:152 Resp: 2533613

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	24.8
153	14.1	11.2	16.8

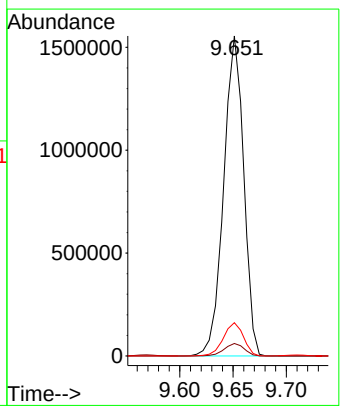


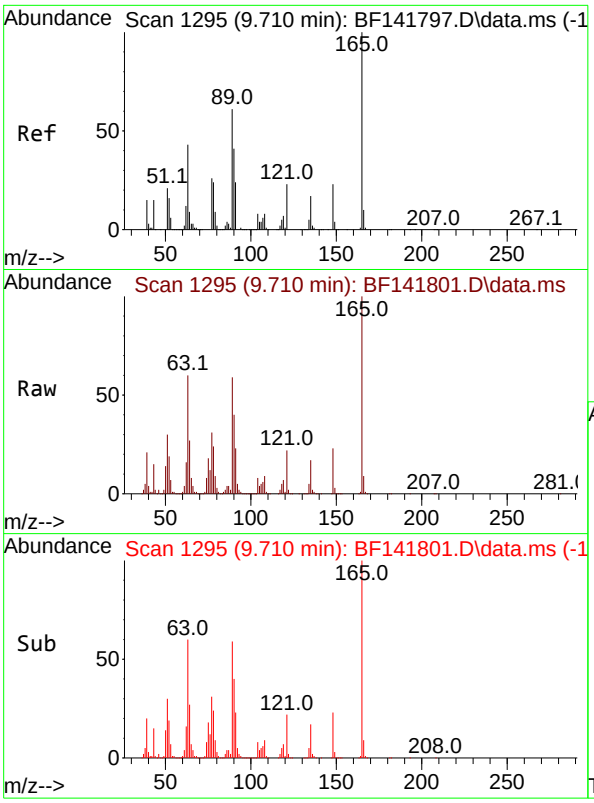


#50
Dimethylphthalate
Concen: 40.250 ng
RT: 9.651 min Scan# 1285
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:163 Resp: 2031698

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.4	12.6



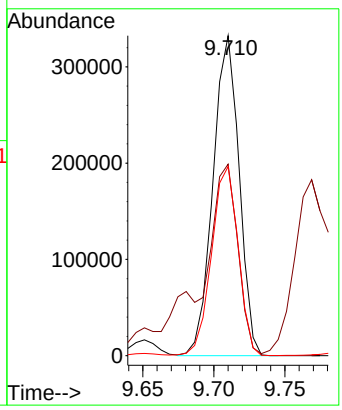


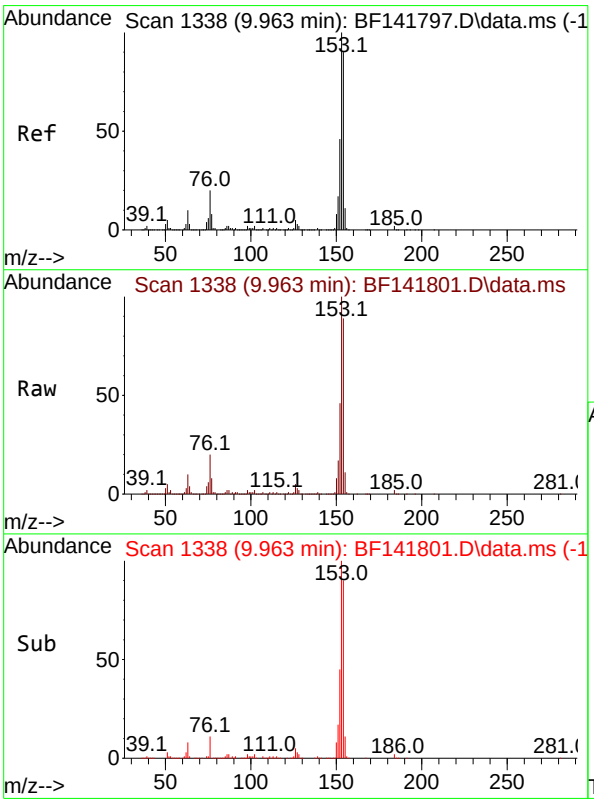
#51
2,6-Dinitrotoluene
Concen: 44.292 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:165 Resp: 425445

Ion	Ratio	Lower	Upper
165	100		
63	59.8	49.5	74.3
89	59.1	49.0	73.4

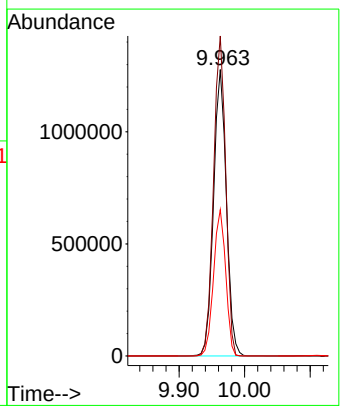


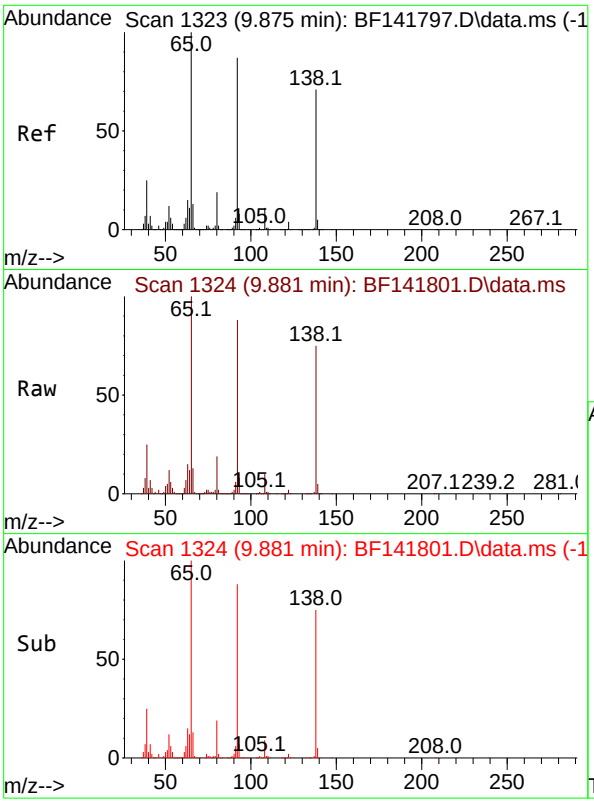


#52
Acenaphthene
Concen: 40.488 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:154 Resp: 1734464

Ion	Ratio	Lower	Upper
154	100		
153	111.7	88.7	133.1
152	51.0	40.9	61.3



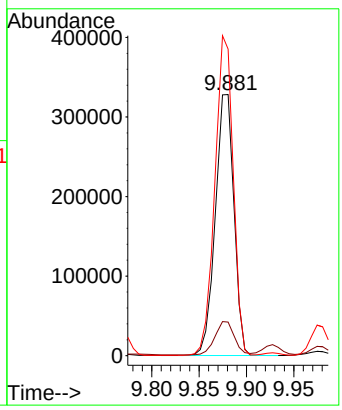


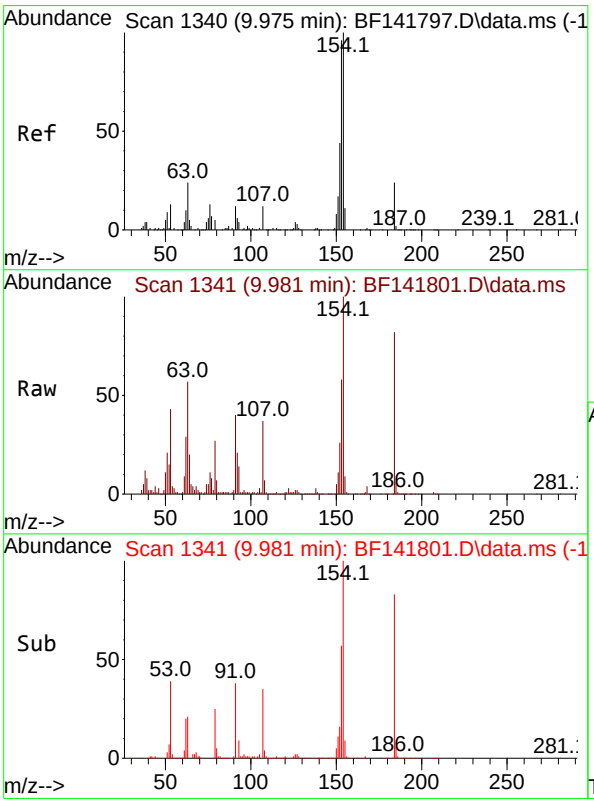
#53
3-Nitroaniline
Concen: 43.938 ng
RT: 9.881 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:138 Resp: 449174

Ion	Ratio	Lower	Upper
138	100		
108	12.9	12.7	19.1
92	117.4	97.9	146.9

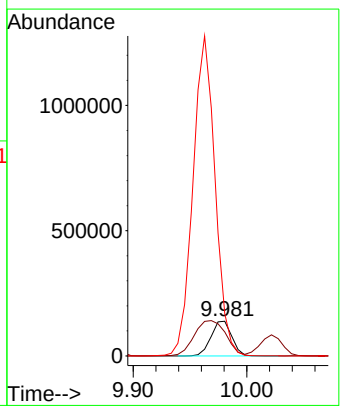


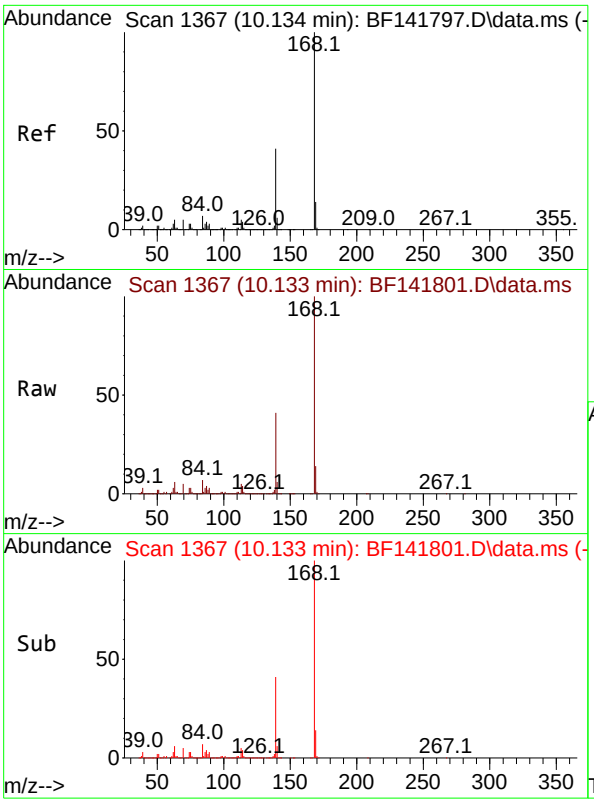


#54
2,4-Dinitrophenol
Concen: 47.494 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:184 Resp: 176378

Ion	Ratio	Lower	Upper
184	100		
63	69.1	79.0	118.6#
154	121.2	335.8	503.8#



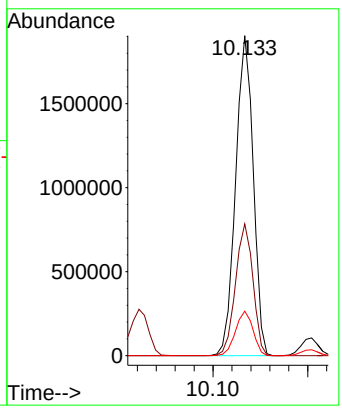


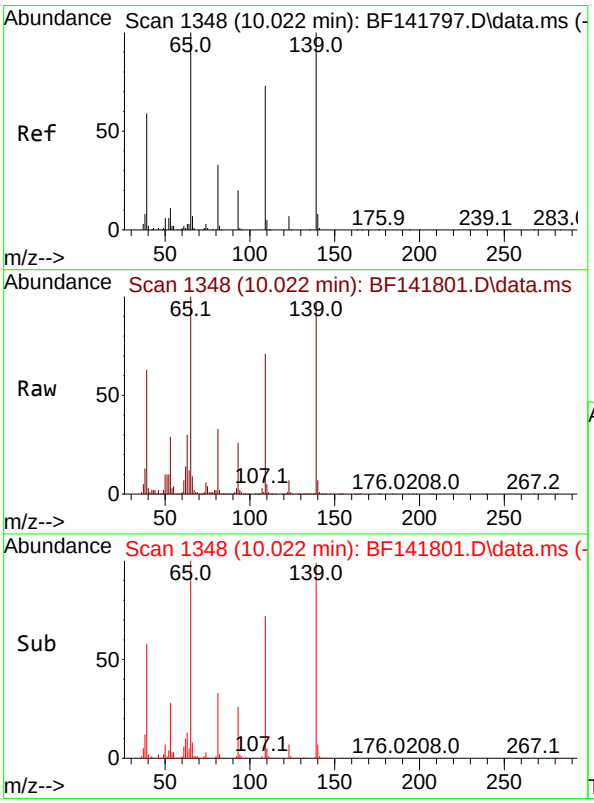
#55
Dibenzofuran
Concen: 39.391 ng
RT: 10.133 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:168 Resp: 2456099

Ion	Ratio	Lower	Upper
168	100		
139	41.2	32.9	49.3
169	13.9	11.1	16.7

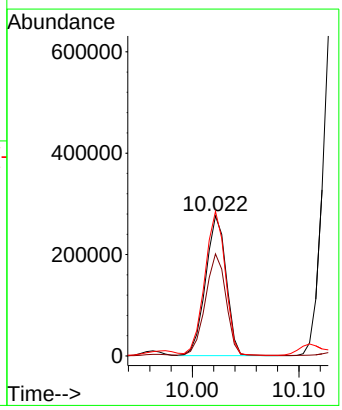


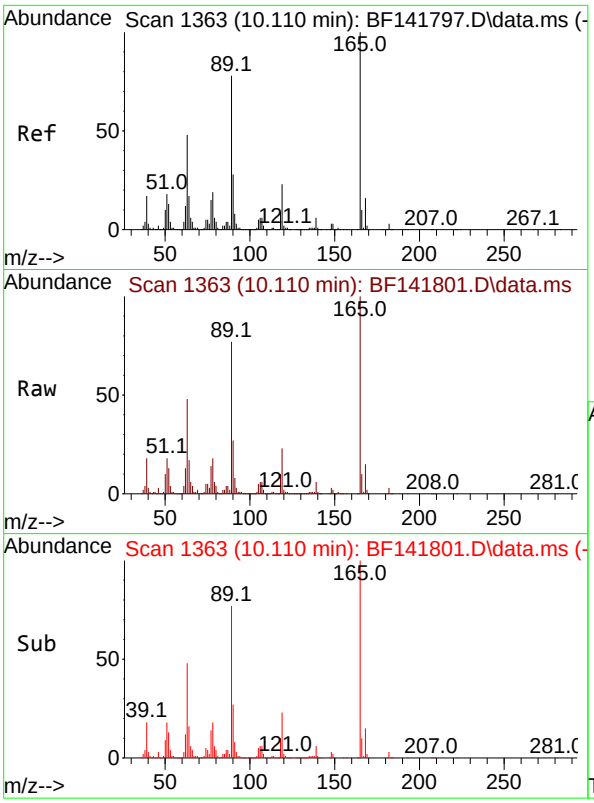


#56
4-Nitrophenol
Concen: 49.725 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:139 Resp: 370704

Ion	Ratio	Lower	Upper
139	100		
109	72.9	53.4	93.4
65	103.3	82.1	122.1



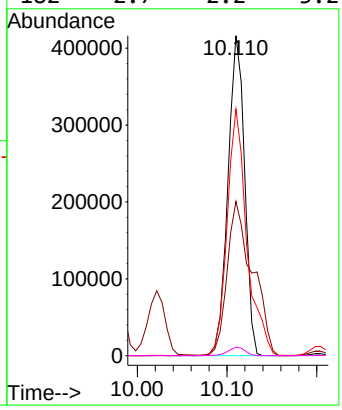


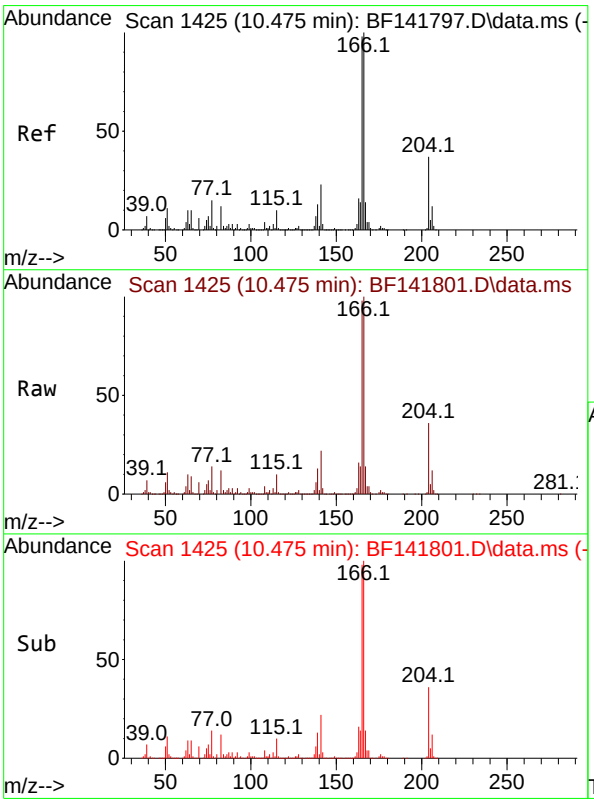
#57
2,4-Dinitrotoluene
Concen: 45.704 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:165 Resp: 536914

Ion	Ratio	Lower	Upper
165	100		
63	48.2	38.8	58.2
89	77.0	62.6	94.0
182	2.7	2.2	3.2

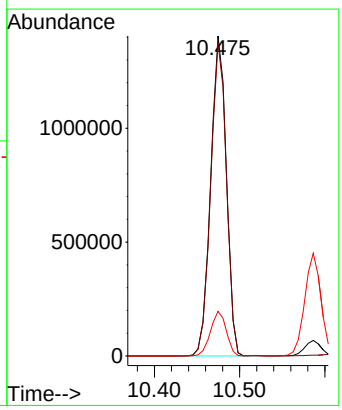


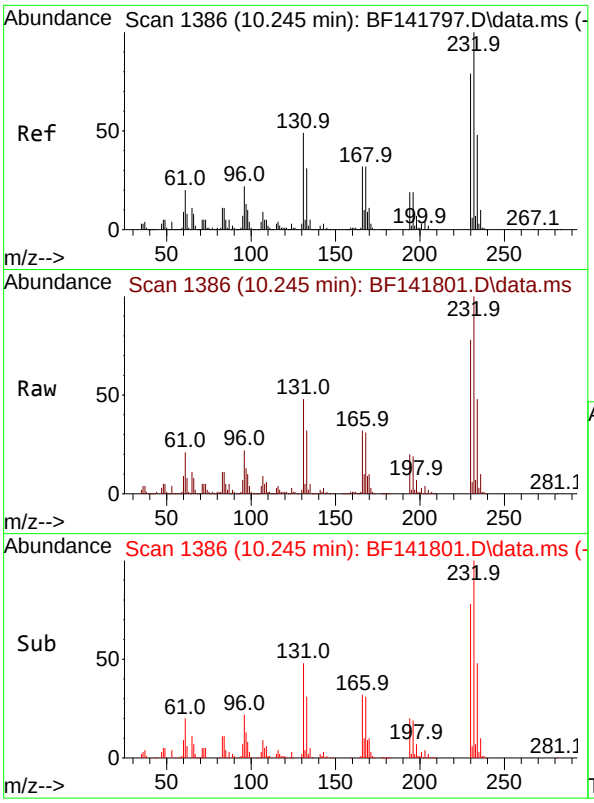


#58
Fluorene
Concen: 38.547 ng
RT: 10.475 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:166 Resp: 1800318

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.6	117.8
167	14.0	11.0	16.4



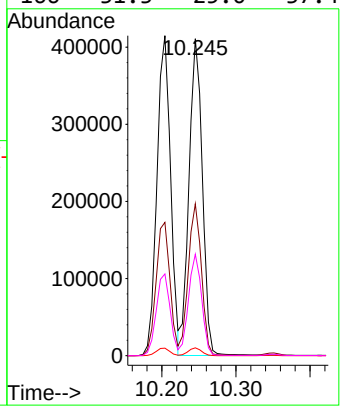


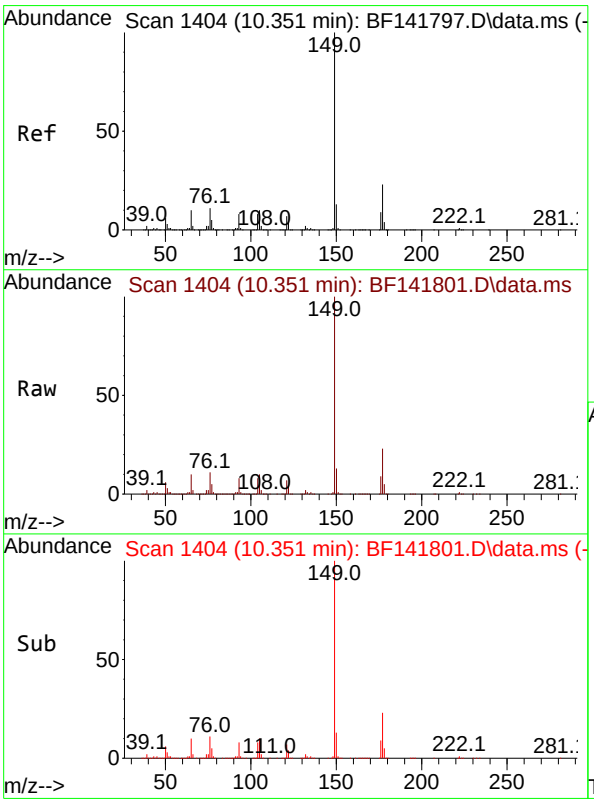
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.607 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:232 Resp: 515976

Ion	Ratio	Lower	Upper
232	100		
131	47.1	37.8	56.8
130	2.5	2.0	3.0
166	31.3	25.0	37.4

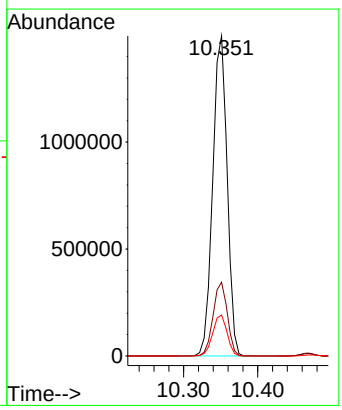


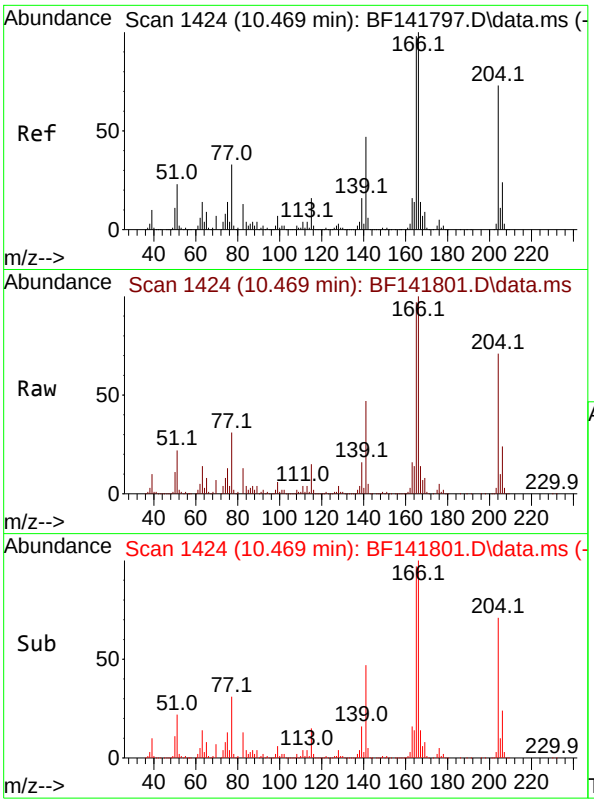


#60
Diethylphthalate
Concen: 39.896 ng
RT: 10.351 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:149 Resp: 2018830

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.3	27.5
150	12.8	10.3	15.5



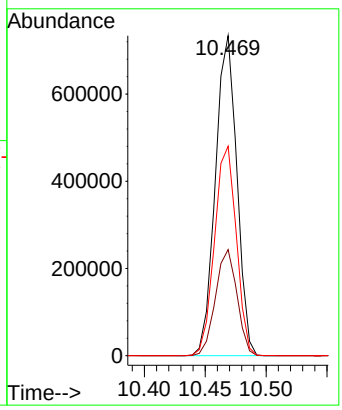


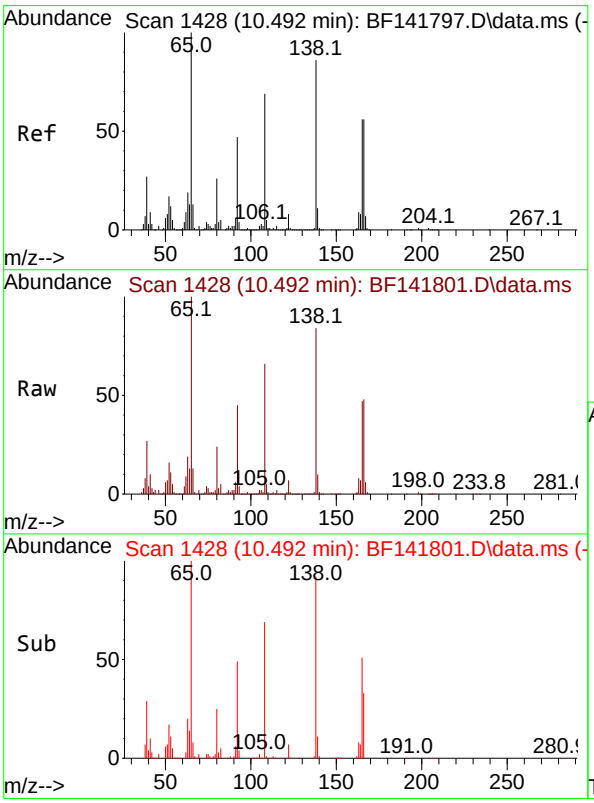
#61
4-Chlorophenyl-phenylether
Concen: 38.546 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:204 Resp: 901998

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.2	39.4
141	65.4	51.7	77.5

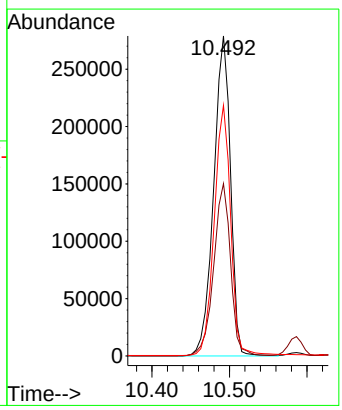


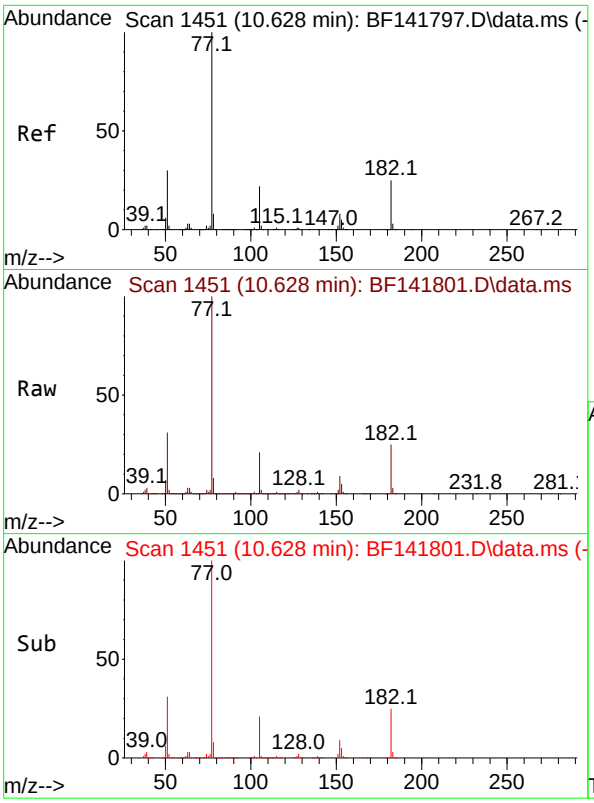


#62
4-Nitroaniline
Concen: 48.866 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:138 Resp: 421232

Ion	Ratio	Lower	Upper
138	100		
92	53.9	34.9	74.9
108	78.3	59.6	99.6



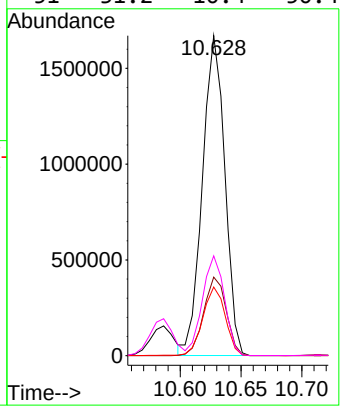


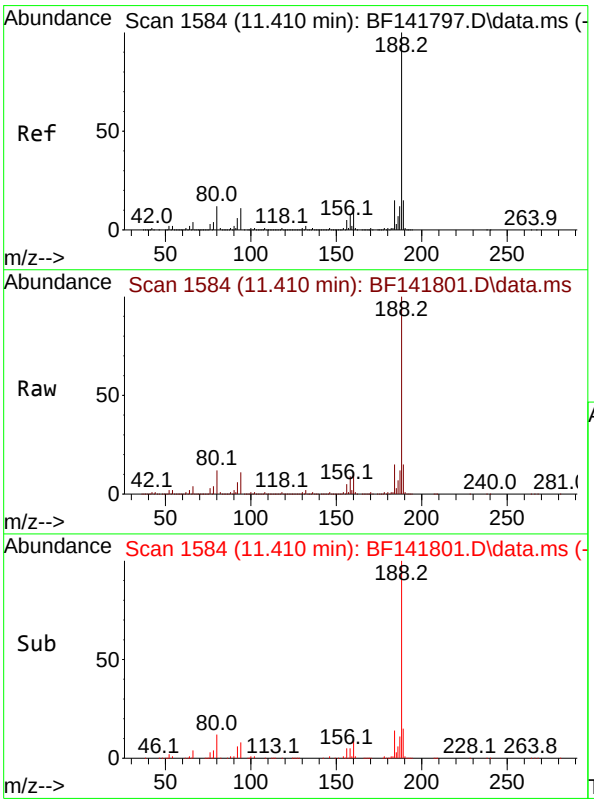
#63
Azobenzene
Concen: 40.188 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion: 77 Resp: 2141198

Ion	Ratio	Lower	Upper
77	100		
182	24.5	4.2	44.2
105	21.4	1.5	41.5
51	31.2	10.4	50.4

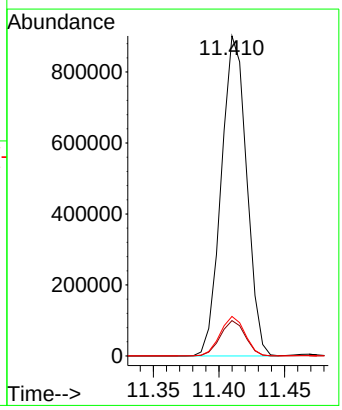


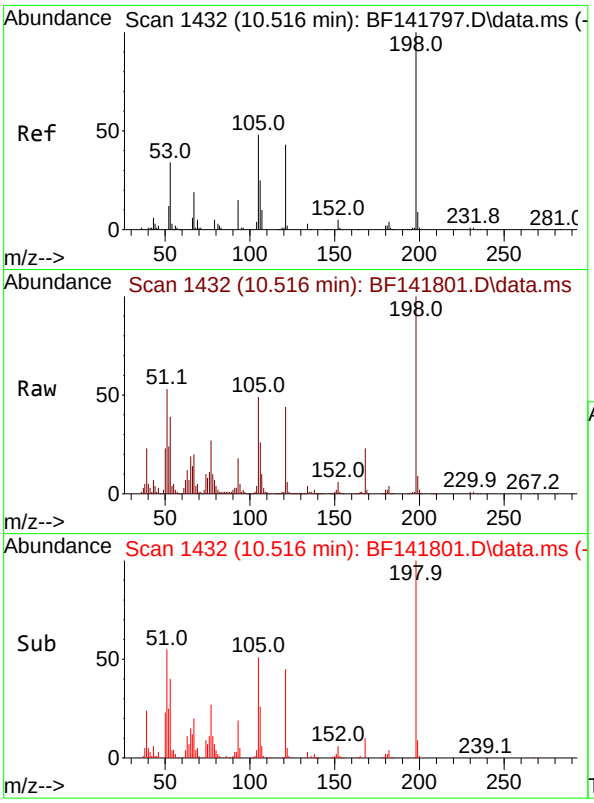


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:188 Resp: 1211382

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.9	13.3
80	12.3	9.7	14.5



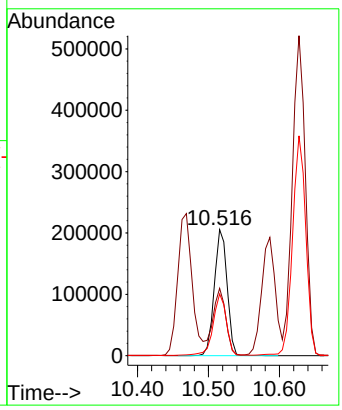


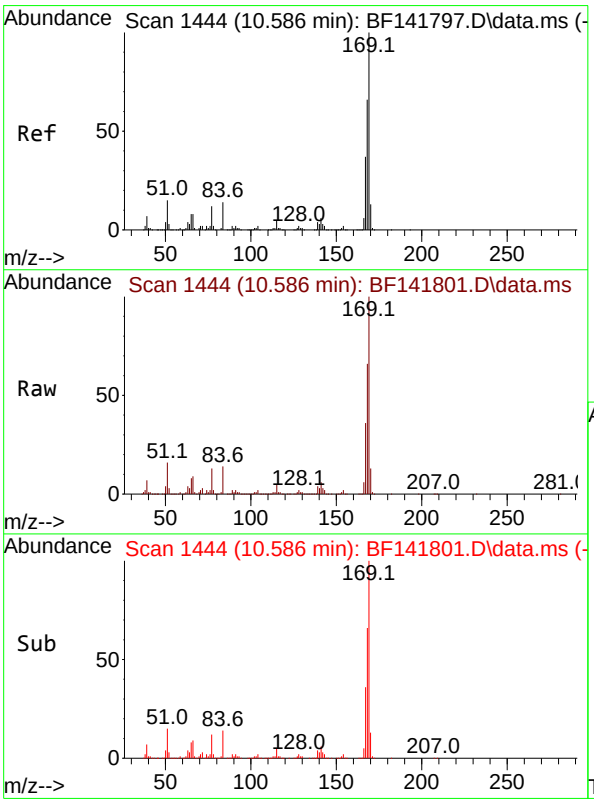
#65
4,6-Dinitro-2-methylphenol
Concen: 45.441 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:198 Resp: 256241

Ion	Ratio	Lower	Upper
198	100		
51	53.4	32.1	72.1
105	49.0	28.5	68.5

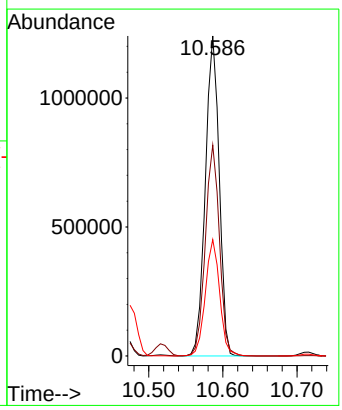


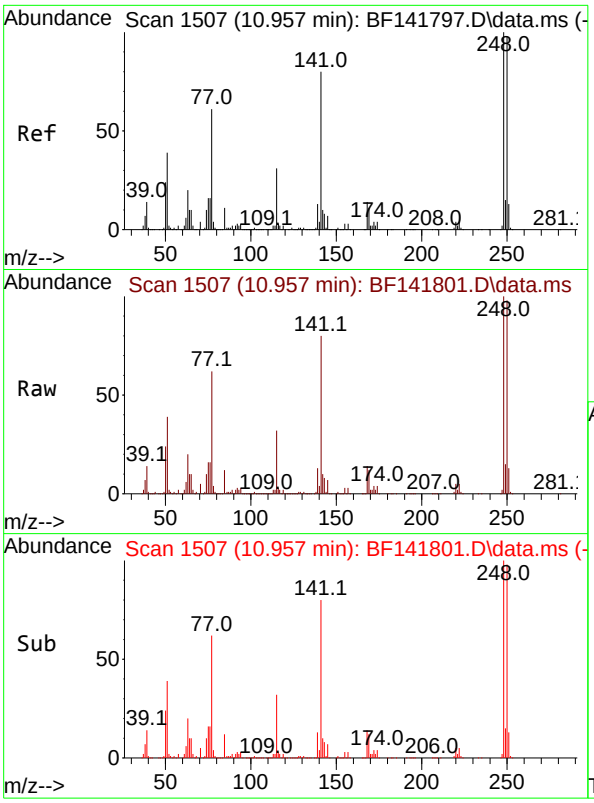


#66
n-Nitrosodiphenylamine
Concen: 40.431 ng
RT: 10.586 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:169 Resp: 1608263

Ion	Ratio	Lower	Upper
169	100		
168	65.9	53.0	79.6
167	36.4	29.3	43.9



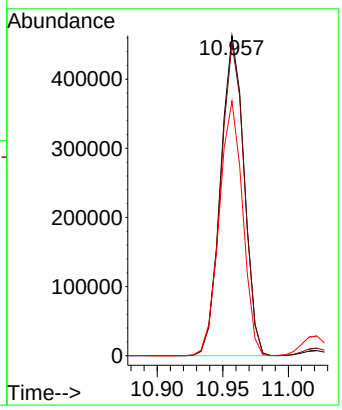


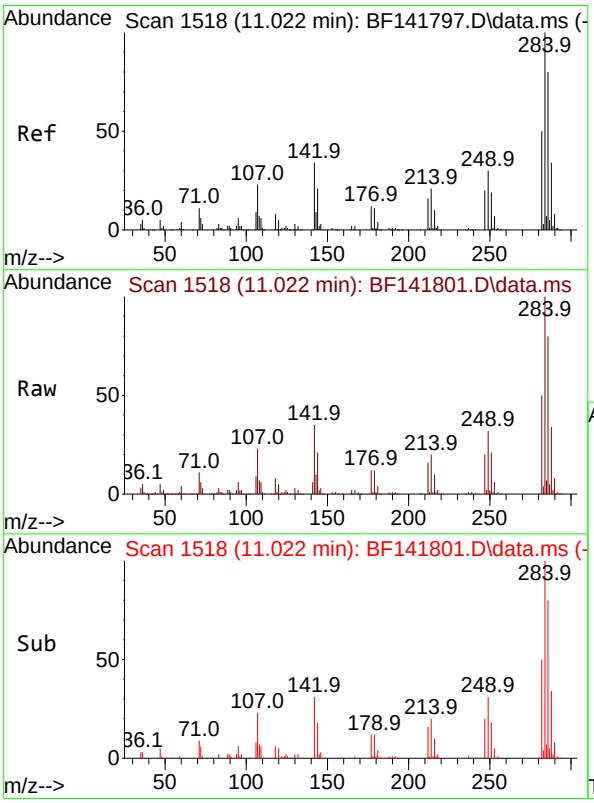
#67
4-Bromophenyl-phenylether
Concen: 40.614 ng
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:248 Resp: 574667

Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.1	117.1
141	79.5	64.3	96.5

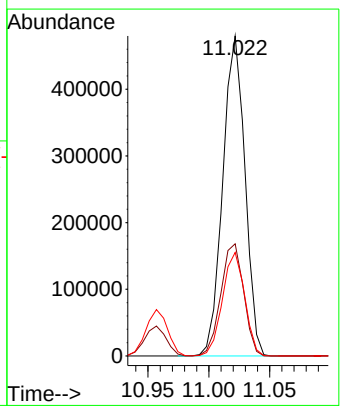


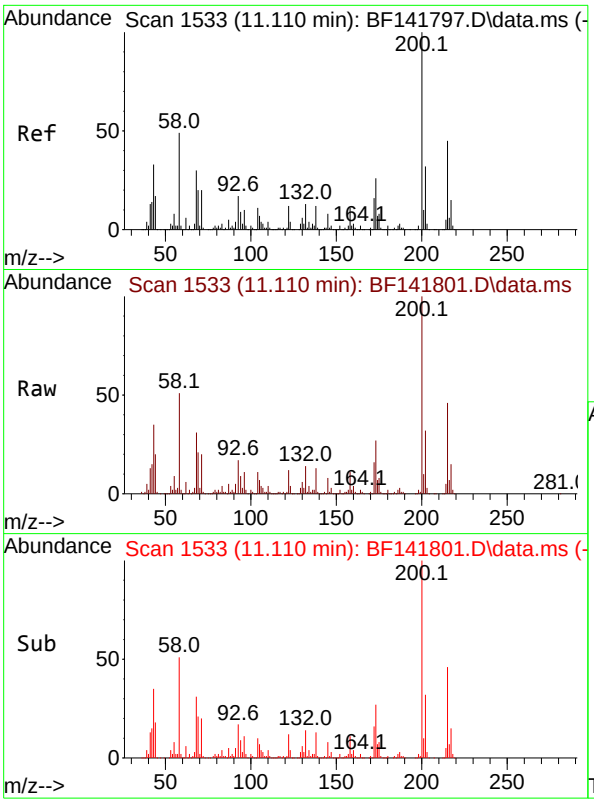


#68
Hexachlorobenzene
Concen: 40.697 ng
RT: 11.022 min Scan# 1518
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:284 Resp: 608067

Ion	Ratio	Lower	Upper
284	100		
142	35.0	28.2	42.2
249	32.4	25.5	38.3



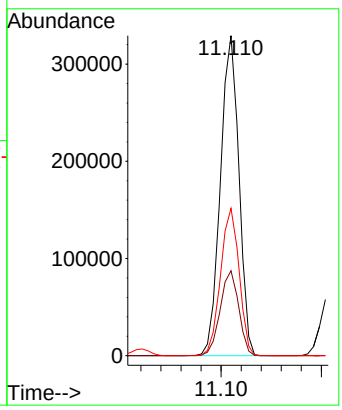


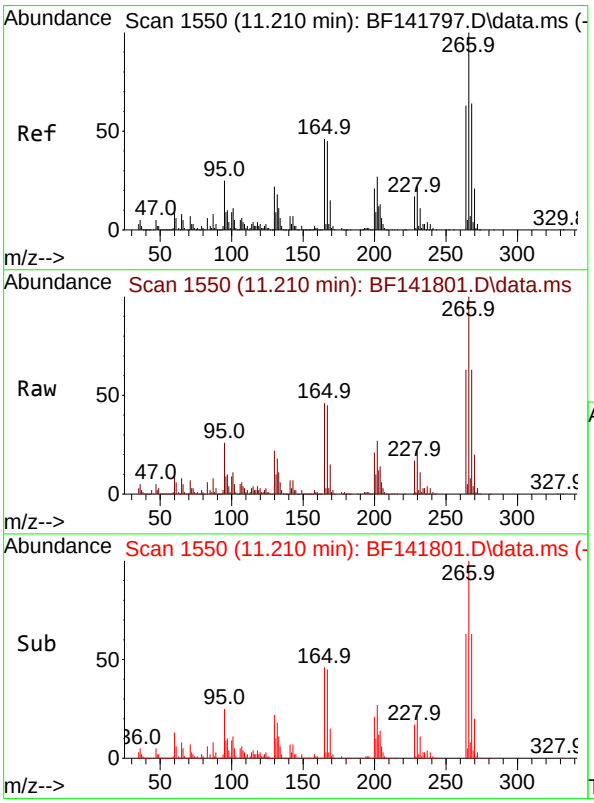
#69
Atrazine
Concen: 38.463 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:200 Resp: 420733

Ion	Ratio	Lower	Upper
200	100		
173	26.5	5.6	45.6
215	46.1	25.3	65.3

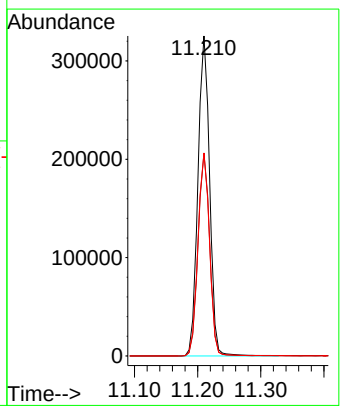


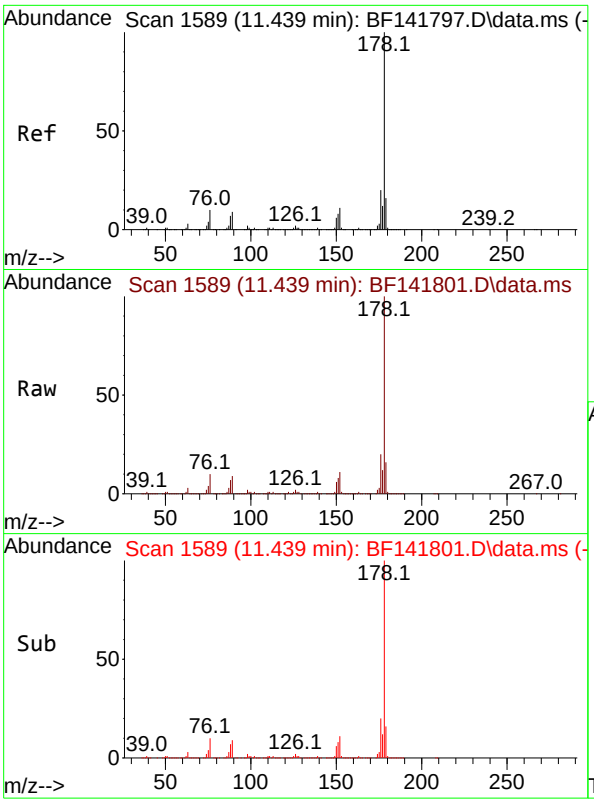


#70
Pentachlorophenol
Concen: 44.032 ng
RT: 11.210 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:266 Resp: 417260

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.9	76.3
264	63.4	50.2	75.4



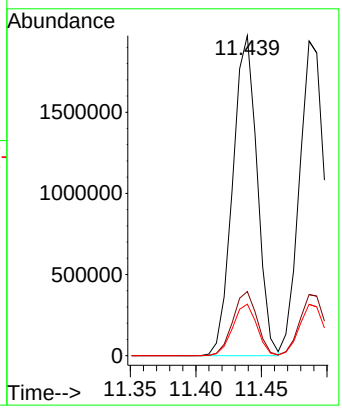


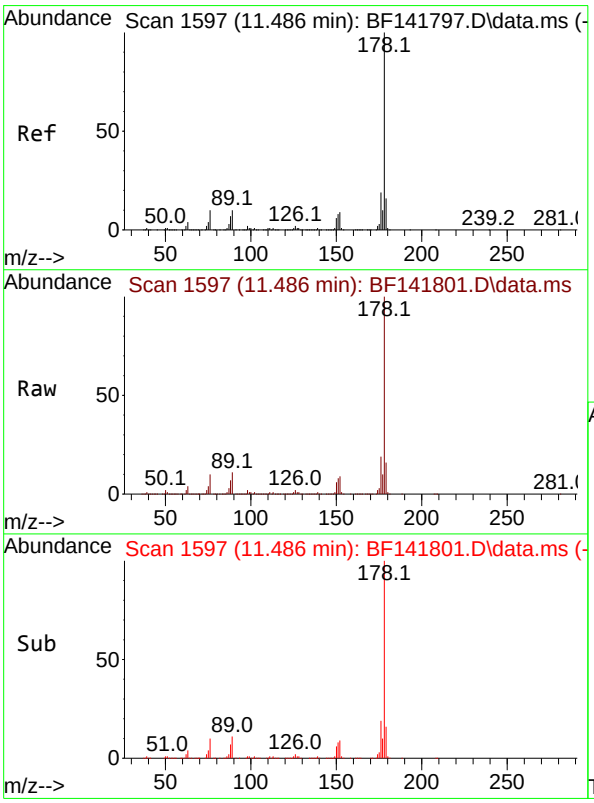
#71
Phenanthrene
Concen: 39.475 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:178 Resp: 2557877

Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.0	24.0
179	16.1	12.6	19.0

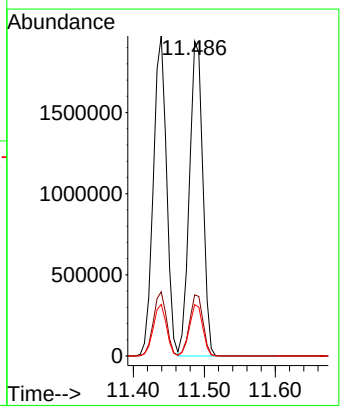


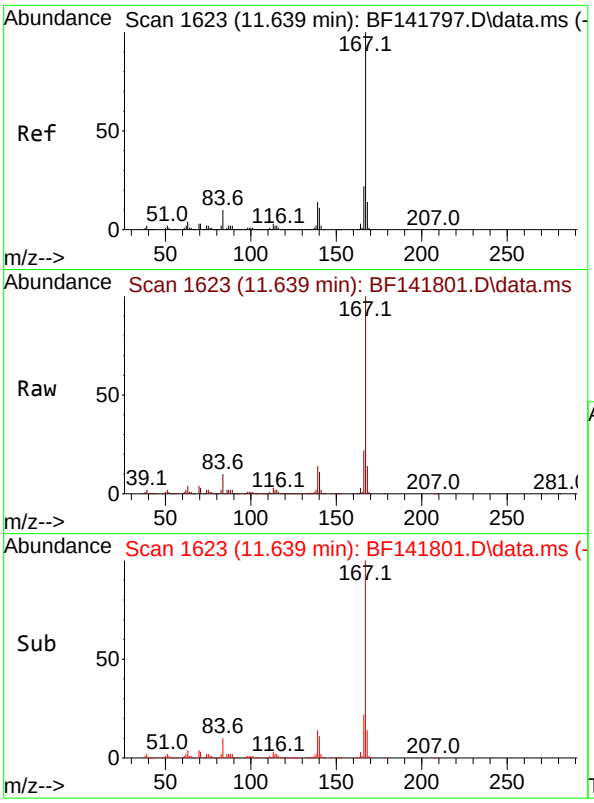


#72
Anthracene
Concen: 39.126 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:178 Resp: 2540876

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	16.3	12.8	19.2



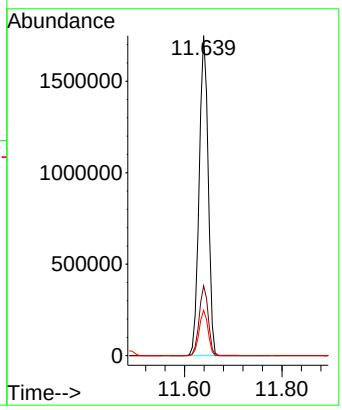


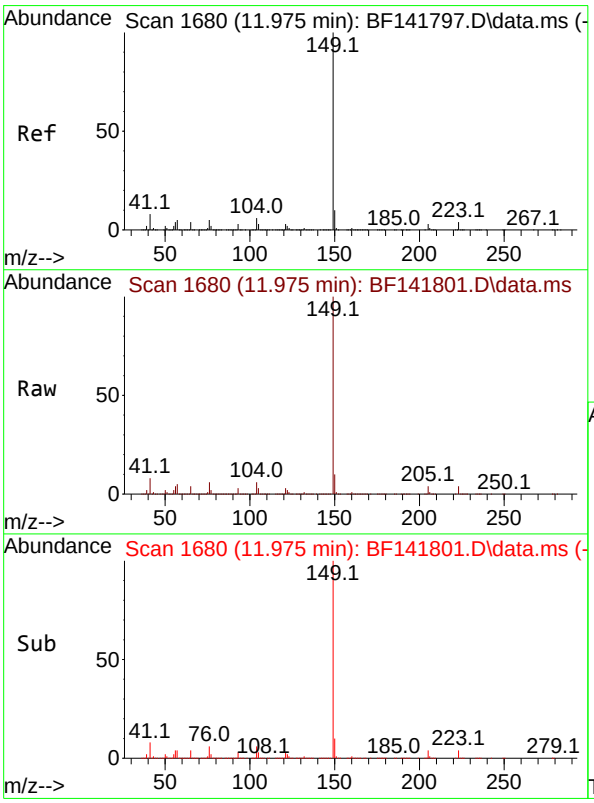
#73
Carbazole
Concen: 39.317 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:167 Resp: 2254761

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	14.2	11.3	16.9

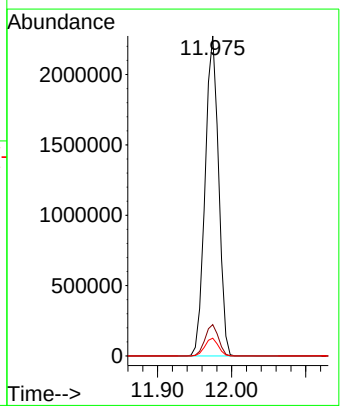


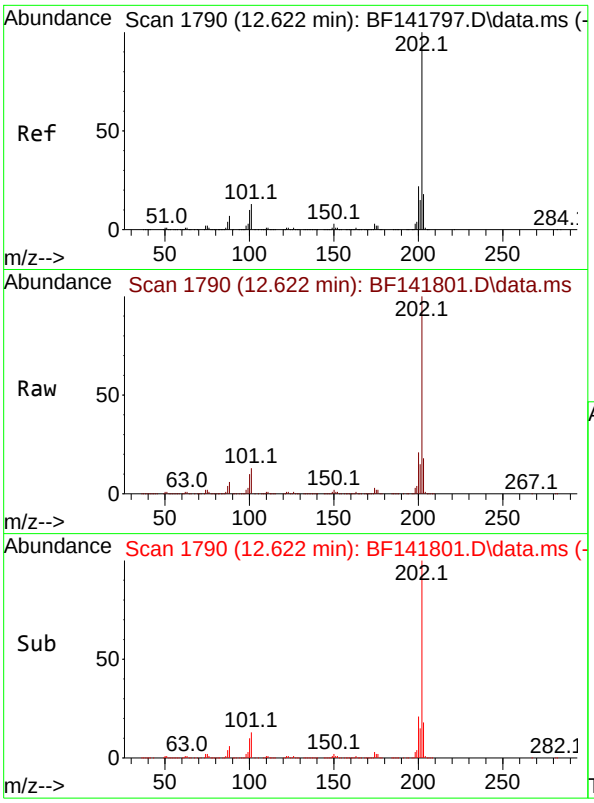


#74
Di-n-butylphthalate
Concen: 39.540 ng
RT: 11.975 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:149 Resp: 2874276

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.7	11.5
104	5.5	4.4	6.6



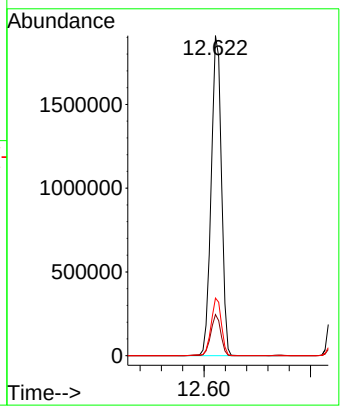


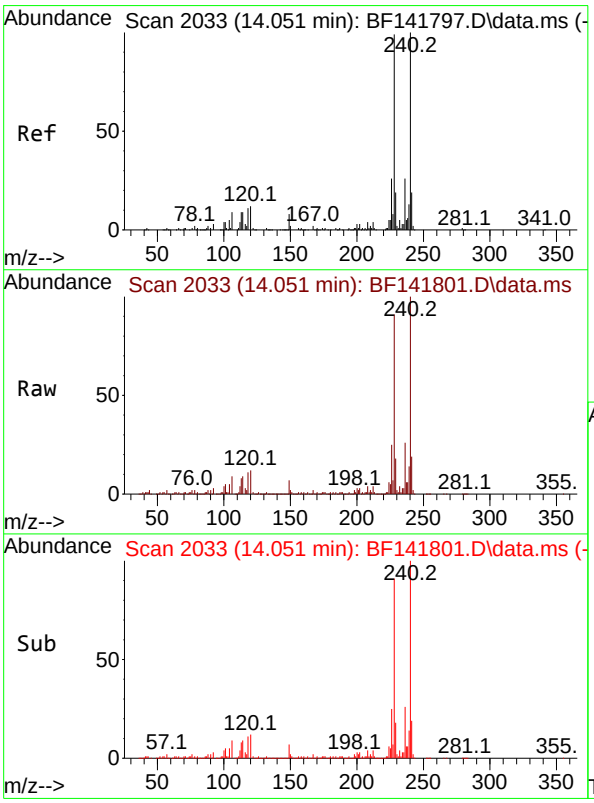
#75
Fluoranthene
Concen: 38.448 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:202 Resp: 2552790

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	32.8
203	18.0	0.0	38.0

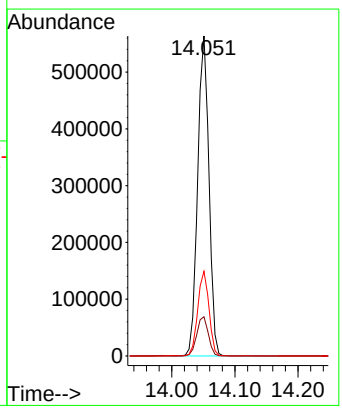


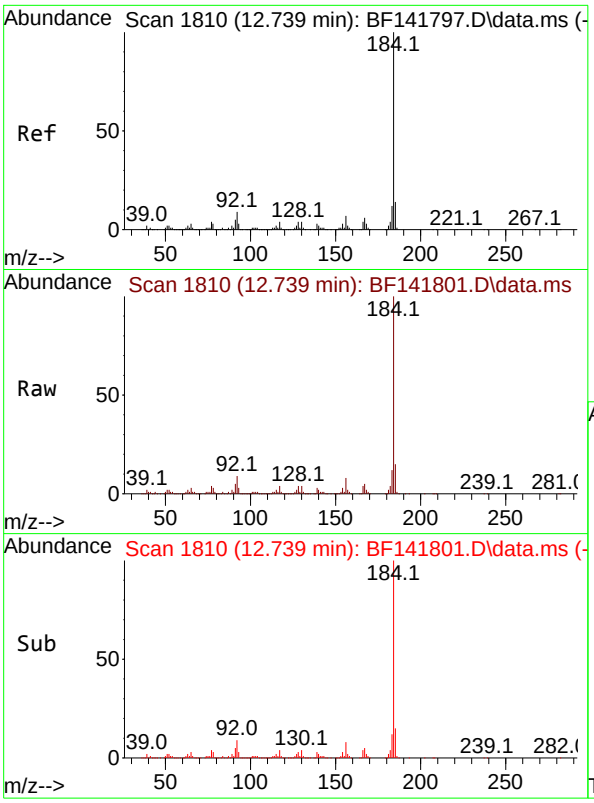


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:240 Resp: 696919

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.7	14.5
236	26.5	21.0	31.4



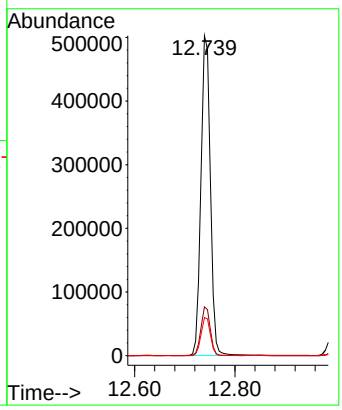


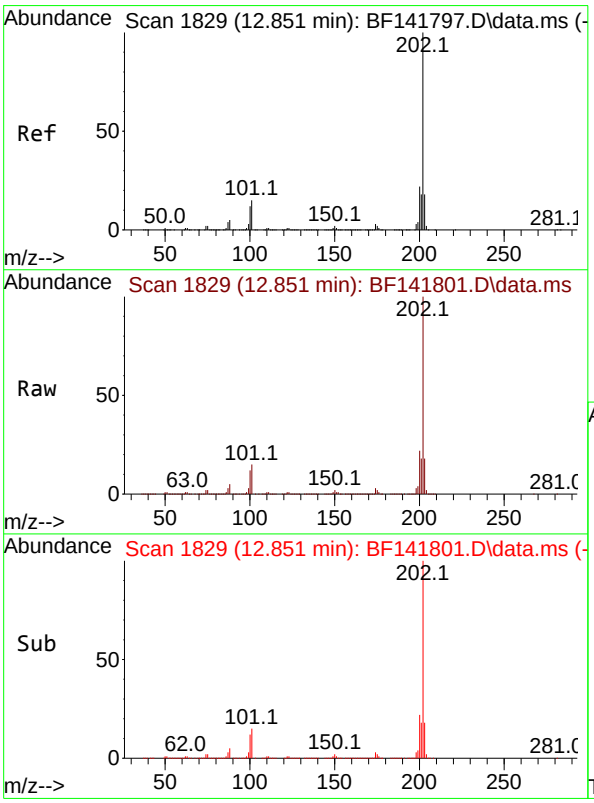
#77
Benzidine
Concen: 74.959 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:184 Resp: 657519

Ion	Ratio	Lower	Upper
184	100		
185	15.3	11.6	17.4
183	11.9	9.4	14.0

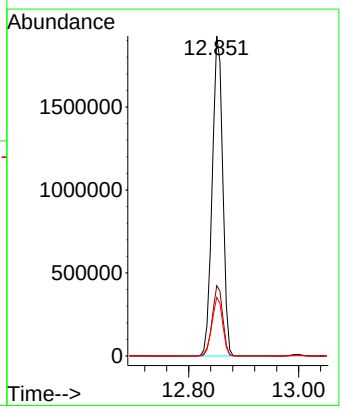


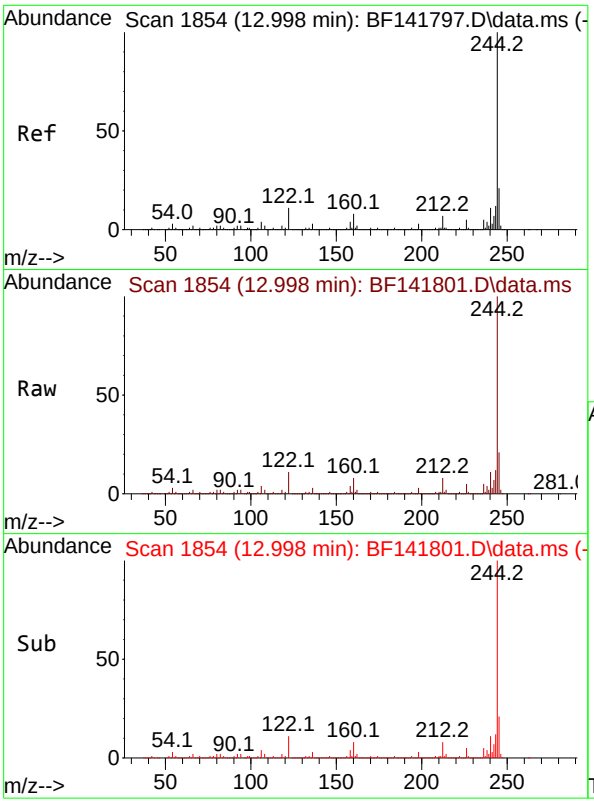


#78
Pyrene
Concen: 42.307 ng
RT: 12.851 min Scan# 1829
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:202 Resp: 2553211

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.0
203	18.3	14.6	22.0



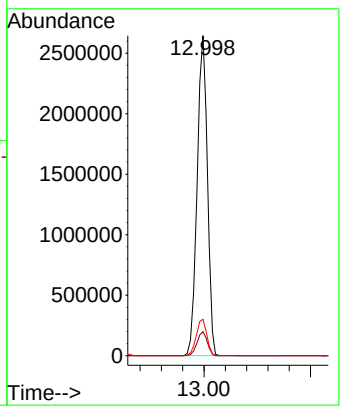


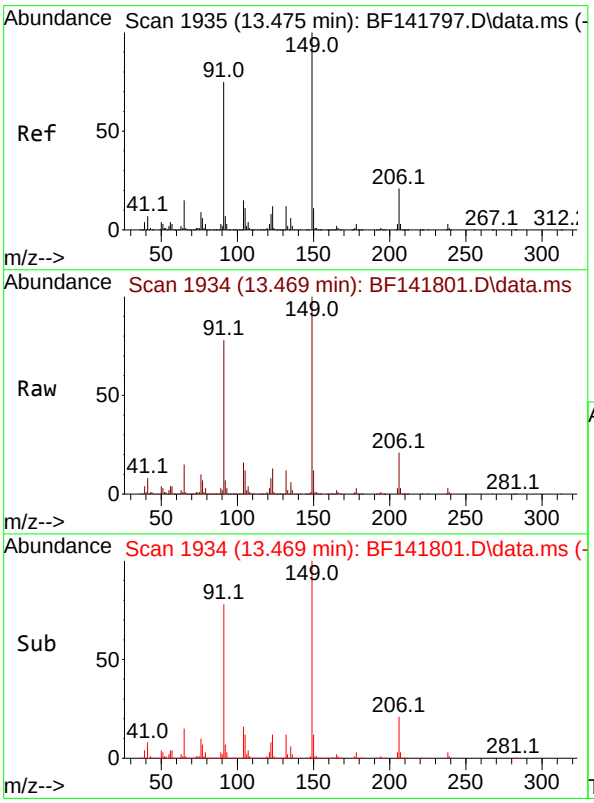
#79
Terphenyl-d14
Concen: 82.060 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:244 Resp: 3534753

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	11.3	9.0	13.6

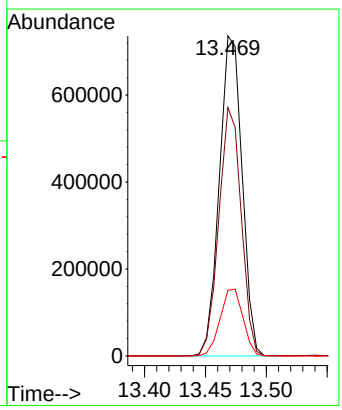


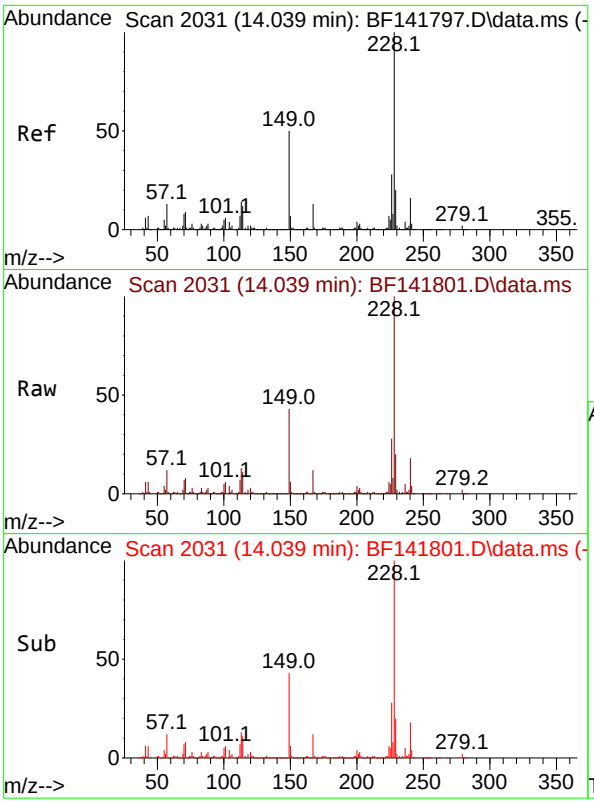


#80
Butylbenzylphthalate
Concen: 43.655 ng
RT: 13.469 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:149 Resp: 957186

Ion	Ratio	Lower	Upper
149	100		
91	77.6	60.1	90.1
206	20.5	16.8	25.2



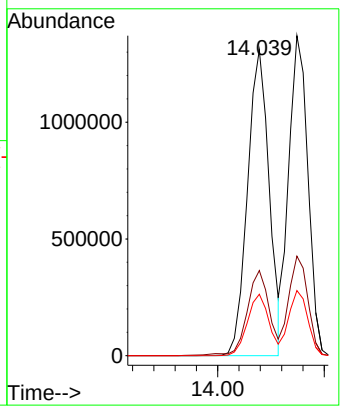


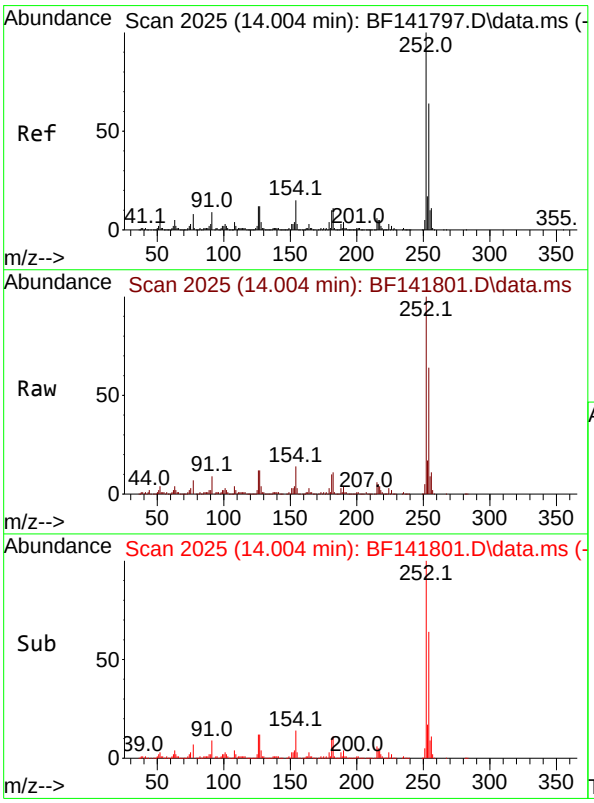
#81
Benzo(a)anthracene
Concen: 40.236 ng
RT: 14.039 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:228 Resp: 1852195

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.1	33.1
229	20.1	16.1	24.1

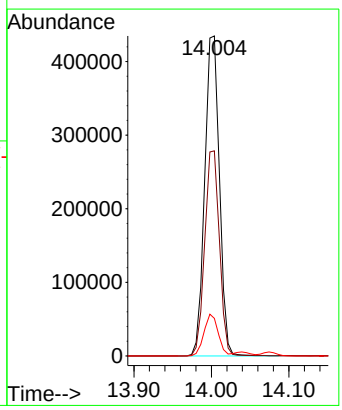


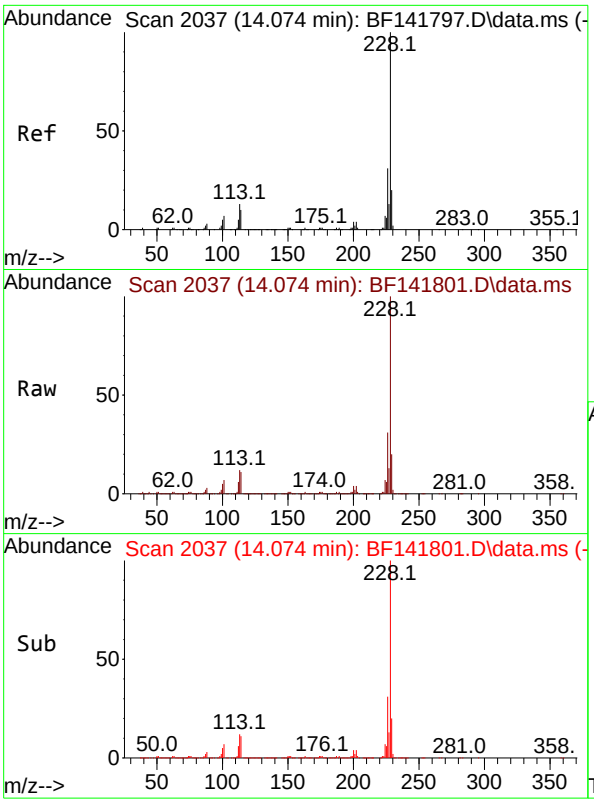


#82
3,3'-Dichlorobenzidine
Concen: 43.392 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:252 Resp: 573075

Ion	Ratio	Lower	Upper
252	100		
254	64.1	51.4	77.0
126	11.8	9.8	14.6



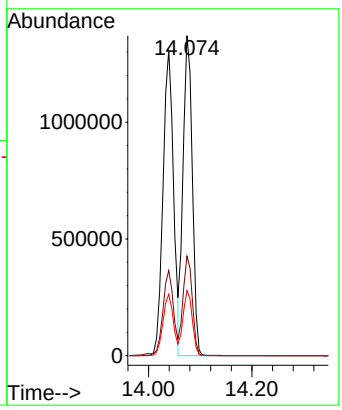


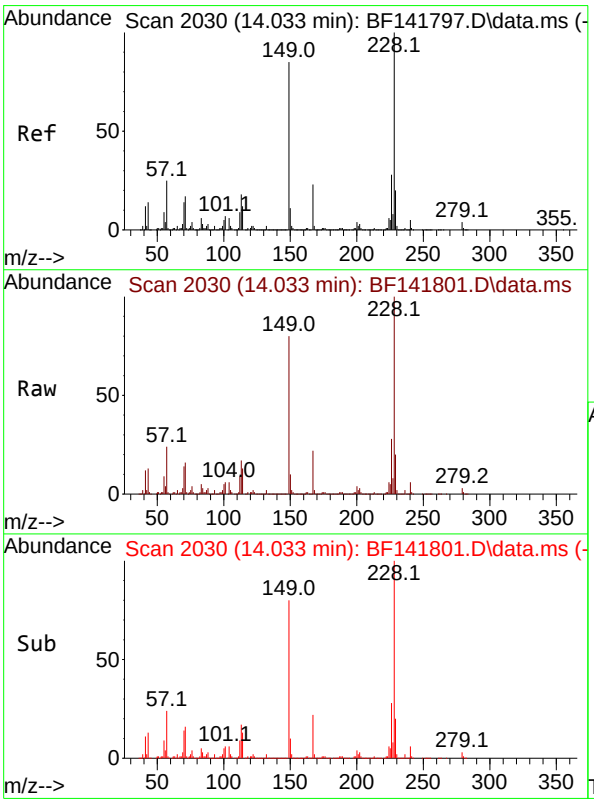
#83
Chrysene
Concen: 40.491 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:228 Resp: 1718188

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	37.0
229	20.4	16.1	24.1

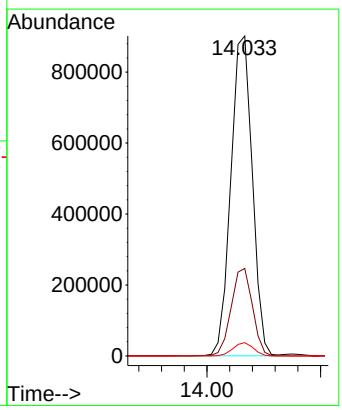


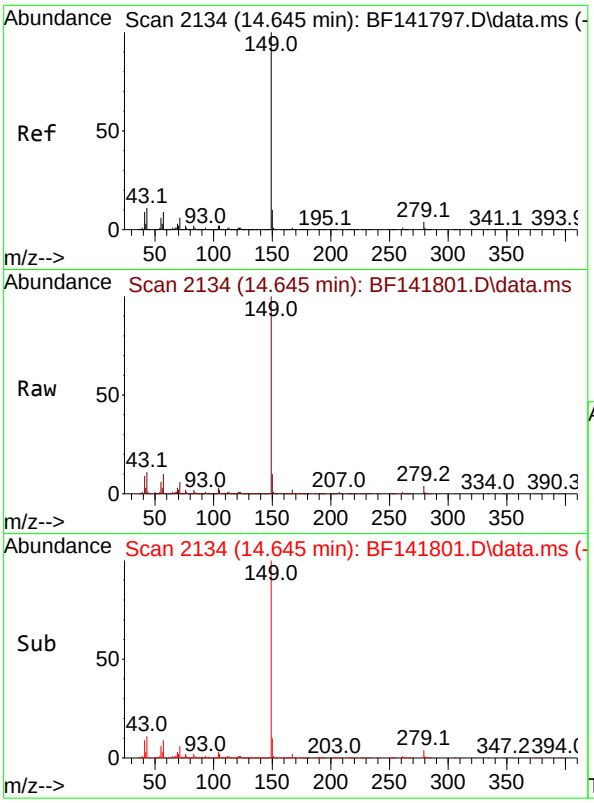


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.350 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:149 Resp: 1183508

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.2	31.8
279	4.2	3.3	4.9



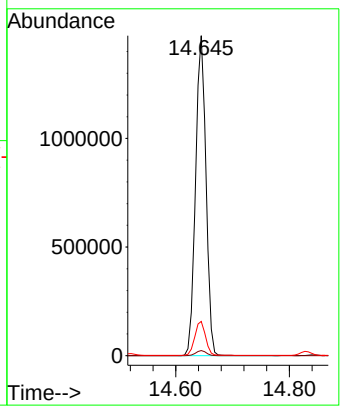


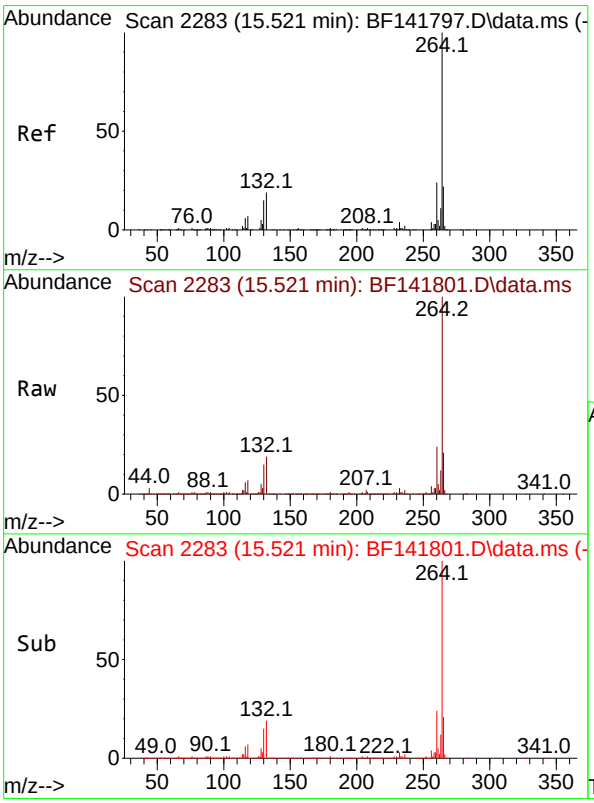
#85
Di-n-octyl phthalate
Concen: 46.033 ng
RT: 14.645 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:149 Resp: 1881499

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.0	8.6	12.8

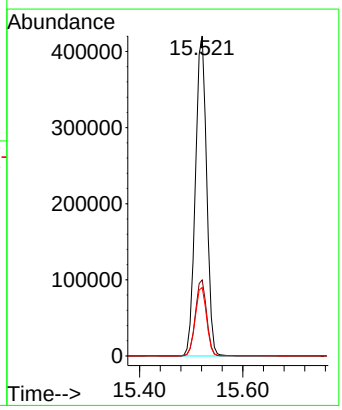


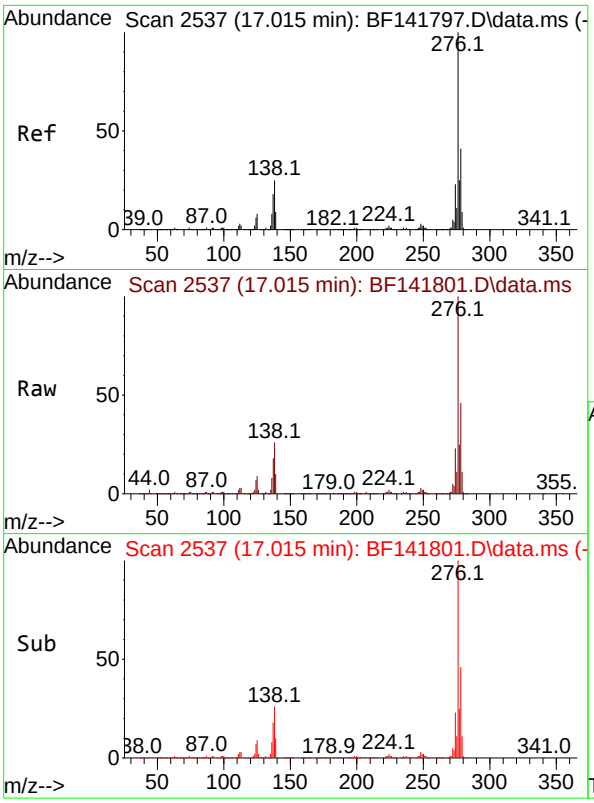


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:264 Resp: 634238

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.4	17.4	26.0



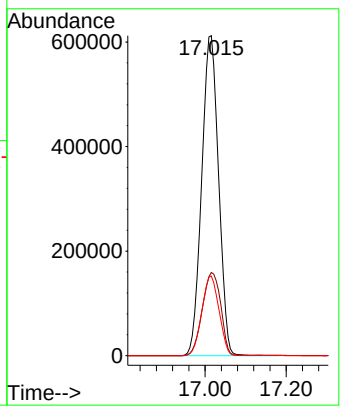


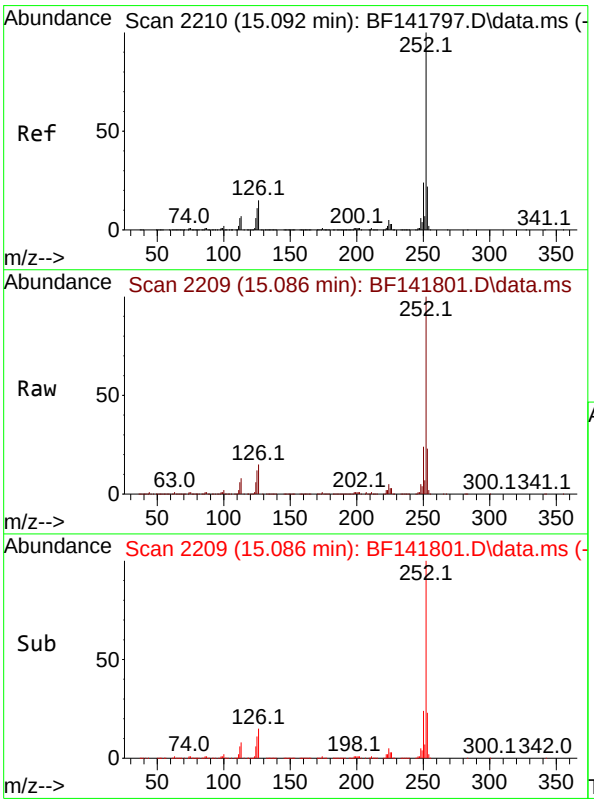
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.754 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:276 Resp: 1767077

Ion	Ratio	Lower	Upper
276	100		
138	28.3	22.5	33.7
277	25.3	20.3	30.5

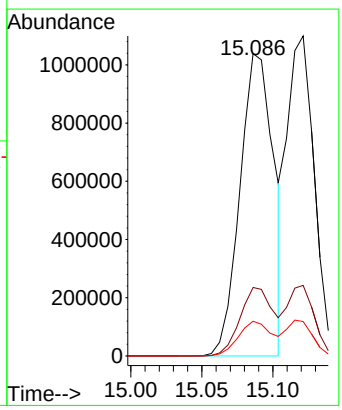


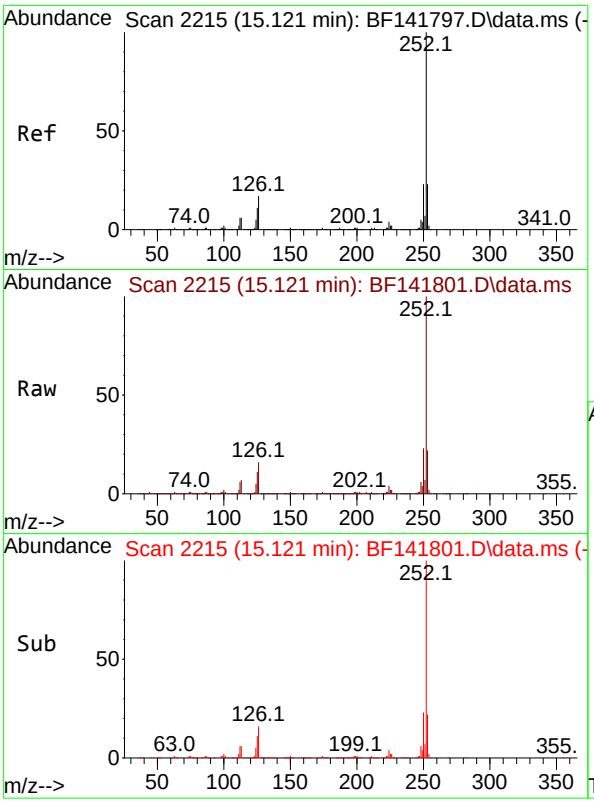


#88
Benzo(b)fluoranthene
Concen: 39.602 ng
RT: 15.086 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:252 Resp: 1710890

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	11.5	8.6	13.0



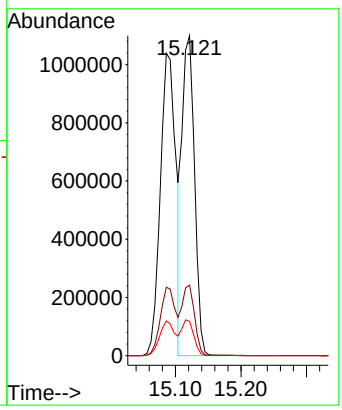


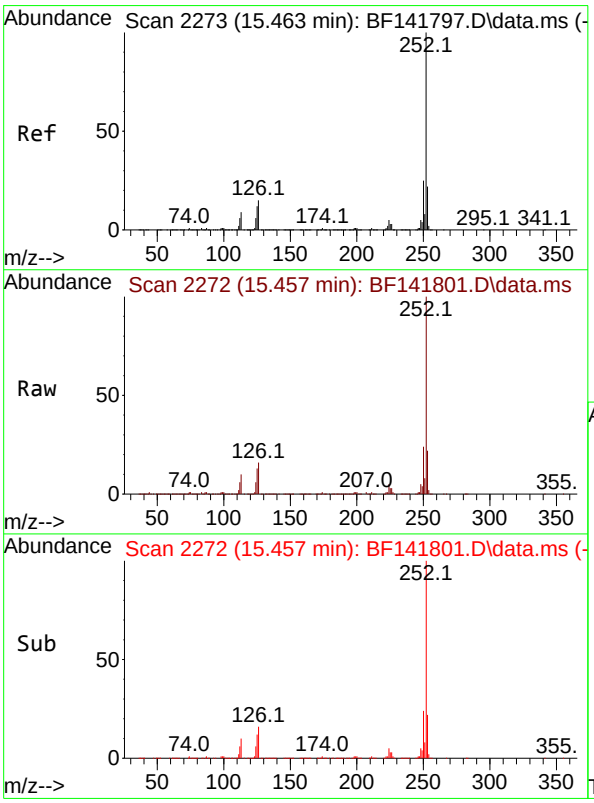
#89
Benzo(k)fluoranthene
Concen: 39.608 ng
RT: 15.121 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:252 Resp: 1454422

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	10.8	8.8	13.2

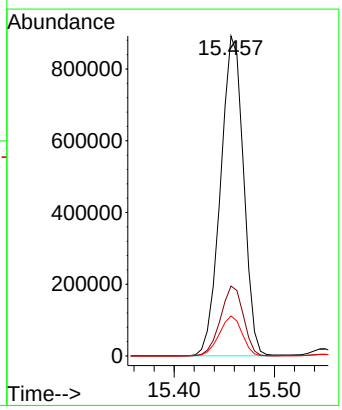


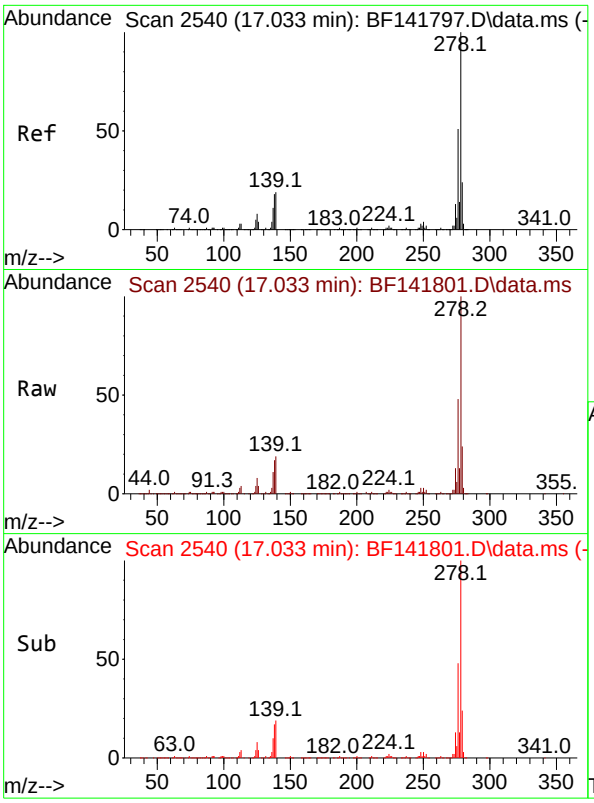


#90
Benzo(a)pyrene
Concen: 40.891 ng
RT: 15.457 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:252 Resp: 1416788

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	12.5	9.4	14.2



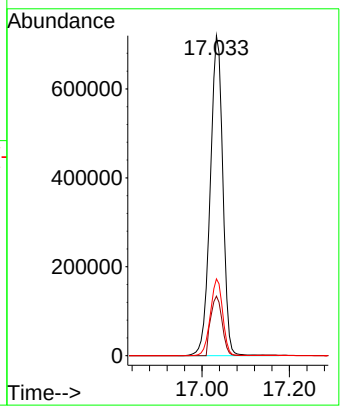


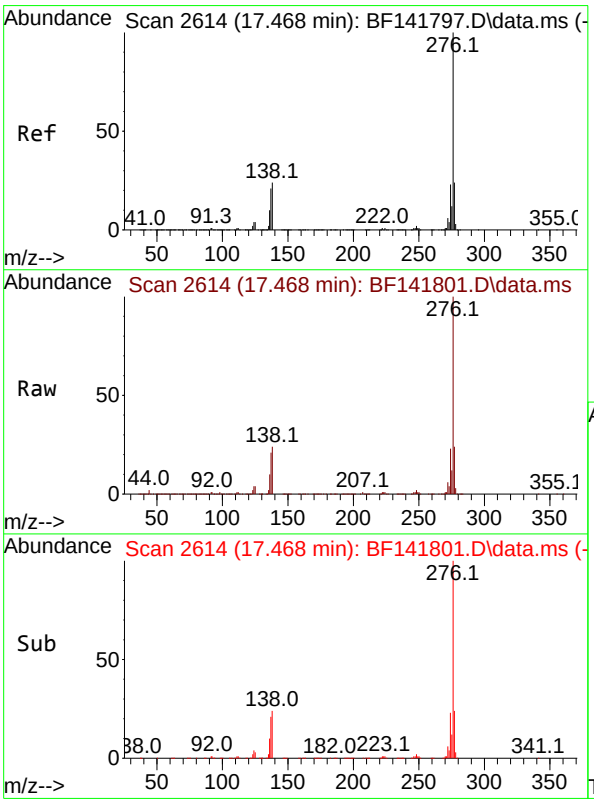
#91
Dibenzo(a,h)anthracene
Concen: 43.693 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Tgt Ion:278 Resp: 1440368

Ion	Ratio	Lower	Upper
278	100		
139	18.6	14.9	22.3
279	24.0	19.3	28.9

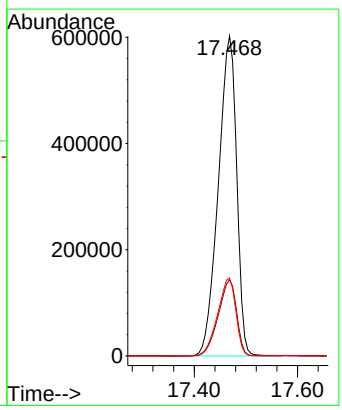




#92
Benzo(g,h,i)perylene
Concen: 43.969 ng
RT: 17.468 min Scan# 2614
Delta R.T. -0.000 min
Lab File: BF141801.D
Acq: 27 Feb 2025 19:45

Tgt Ion:276 Resp: 1484943

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.4	29.0
138	24.4	19.3	28.9



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 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	117	0.00
2		1,4-Dioxane	0.568	0.589	-3.7	116	0.00
3		Pyridine	1.414	1.505	-6.4	119	0.00
4		n-Nitrosodimethylamine	0.680	0.741	-9.0	119	0.00
5	S	2-Fluorophenol	1.252	1.291	-3.1	117	0.00
6		Aniline	1.695	1.816	-7.1	117	0.00
7	S	Phenol-d6	1.630	1.692	-3.8	117	0.00
8		2-Chlorophenol	1.355	1.423	-5.0	118	0.00
9		Benzaldehyde	0.948	1.035	-9.2	123	0.00
10	C	Phenol	1.742	1.812	-4.0	116	0.00
11		bis(2-Chloroethyl)ether	1.328	1.386	-4.4	121	0.00
12		1,3-Dichlorobenzene	1.451	1.505	-3.7	117	0.00
13	C	1,4-Dichlorobenzene	1.462	1.501	-2.7	116	0.00
14		1,2-Dichlorobenzene	1.365	1.394	-2.1	116	0.00
15		Benzyl Alcohol	1.303	1.386	-6.4	118	0.00
16		2,2'-oxybis(1-Chloropropane	2.016	2.151	-6.7	121	0.00
17		2-Methylphenol	1.118	1.184	-5.9	119	0.00
18		Hexachloroethane	0.547	0.580	-6.0	117	0.00
19	P	n-Nitroso-di-n-propylamine	1.072	1.112	-3.7	119	0.00
20		3+4-Methylphenols	1.392	1.457	-4.7	118	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	118	0.00
22		Acetophenone	0.487	0.492	-1.0	117	0.00
23	S	Nitrobenzene-d5	0.313	0.370	-18.2	128	0.00
24		Nitrobenzene	0.335	0.383	-14.3	125	0.00
25		Isophorone	0.672	0.688	-2.4	119	0.00
26	C	2-Nitrophenol	0.127	0.169	-33.1#	139	0.00
27		2,4-Dimethylphenol	0.247	0.259	-4.9	120	0.00
28		bis(2-Chloroethoxy)methane	0.429	0.433	-0.9	118	0.00
29	C	2,4-Dichlorophenol	0.285	0.300	-5.3	119	0.00
30		1,2,4-Trichlorobenzene	0.312	0.318	-1.9	118	0.00
31		Naphthalene	1.028	1.024	0.4	116	0.00
32		Benzoic acid	0.179	0.232	-29.6#	144	0.00
33		4-Chloroaniline	0.377	0.378	-0.3	118	0.00
34	C	Hexachlorobutadiene	0.194	0.199	-2.6	119	0.00
35		Caprolactam	0.088	0.094	-6.8	121	0.00
36	C	4-Chloro-3-methylphenol	0.317	0.331	-4.4	120	0.00
37		2-Methylnaphthalene	0.674	0.669	0.7	117	0.00
38		1-Methylnaphthalene	0.647	0.641	0.9	116	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	121	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.579	-0.2	118	0.00
41	P	Hexachlorocyclopentadiene	0.241	0.235	2.5	110	0.00
42	S	2,4,6-Tribromophenol	0.188	0.198	-5.3	120	0.00
43	C	2,4,6-Trichlorophenol	0.373	0.393	-5.4	119	0.00
44		2,4,5-Trichlorophenol	0.369	0.386	-4.6	122	0.00
45	S	2-Fluorobiphenyl	1.247	1.184	5.1	115	0.00
46		1,1'-Biphenyl	1.522	1.479	2.8	117	0.00
47		2-Chloronaphthalene	1.124	1.104	1.8	117	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 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	0.260	0.341	-31.2#	137	0.00
49		Acenaphthylene	1.685	1.681	0.2	118	0.00
50		Dimethylphthalate	1.339	1.348	-0.7	119	0.00
51		2,6-Dinitrotoluene	0.226	0.282	-24.8	132	0.00
52	C	Acenaphthene	1.137	1.151	-1.2	121	0.00
53		3-Nitroaniline	0.241	0.298	-23.7	130	0.00
54	P	2,4-Dinitrophenol	0.089	0.117	-31.5#	152#	0.00
55		Dibenzofuran	1.654	1.629	1.5	118	0.00
56	P	4-Nitrophenol	0.198	0.246	-24.2	130	0.00
57		2,4-Dinitrotoluene	0.269	0.356	-32.3#	137	0.00
58		Fluorene	1.239	1.194	3.6	117	0.00
59		2,3,4,6-Tetrachlorophenol	0.321	0.342	-6.5	122	0.00
60		Diethylphthalate	1.343	1.339	0.3	117	0.00
61		4-Chlorophenyl-phenylether	0.621	0.598	3.7	116	0.00
62		4-Nitroaniline	0.229	0.279	-21.8	126	0.00
63		Azobenzene	1.414	1.420	-0.4	119	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	117	0.00
65		4,6-Dinitro-2-methylphenol	0.081	0.106	-30.9#	143	0.00
66	c	n-Nitrosodiphenylamine	0.657	0.664	-1.1	117	0.00
67		4-Bromophenyl-phenylether	0.234	0.237	-1.3	117	0.00
68		Hexachlorobenzene	0.247	0.251	-1.6	117	0.00
69		Atrazine	0.181	0.174	3.9	114	0.00
70	C	Pentachlorophenol	0.156	0.172	-10.3	120	0.00
71		Phenanthrene	1.070	1.056	1.3	115	0.00
72		Anthracene	1.072	1.049	2.1	115	0.00
73		Carbazole	0.947	0.931	1.7	114	0.00
74		Di-n-butylphthalate	1.200	1.186	1.2	115	0.00
75	C	Fluoranthene	1.096	1.054	3.8	114	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	111	0.00
77		Benzidine	0.252	0.472	-87.3#	201#	0.00
78		Pyrene	1.732	1.832	-5.8	113	0.00
79	S	Terphenyl-d14	1.236	1.268	-2.6	111	0.00
80		Butylbenzylphthalate	0.629	0.687	-9.2	114	0.00
81		Benzo(a)anthracene	1.321	1.329	-0.6	112	0.00
82		3,3'-Dichlorobenzidine	0.379	0.411	-8.4	116	0.00
83		Chrysene	1.218	1.233	-1.2	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.783	0.849	-8.4	113	0.00
85	c	Di-n-octyl phthalate	1.173	1.350	-15.1	114	0.00
86	I	Perylene-d12	1.000	1.000	0.0	112	0.00
87		Indeno(1,2,3-cd)pyrene	1.274	1.393	-9.3	116	0.00
88		Benzo(b)fluoranthene	1.362	1.349	1.0	115	0.00
89		Benzo(k)fluoranthene	1.158	1.147	0.9	106	0.00
90	C	Benzo(a)pyrene	1.093	1.117	-2.2	112	0.00
91		Dibenzo(a,h)anthracene	1.040	1.136	-9.2	115	0.00
92		Benzo(g,h,i)perylene	1.065	1.171	-10.0	116	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 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 = 1

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
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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	117	0.00
2		1,4-Dioxane	40.000	41.486	-3.7	116	0.00
3		Pyridine	40.000	42.572	-6.4	119	0.00
4		n-Nitrosodimethylamine	40.000	43.575	-8.9	119	0.00
5	S	2-Fluorophenol	80.000	82.443	-3.1	117	0.00
6		Aniline	40.000	42.857	-7.1	117	0.00
7	S	Phenol-d6	80.000	83.039	-3.8	117	0.00
8		2-Chlorophenol	40.000	42.011	-5.0	118	0.00
9		Benzaldehyde	40.000	43.684	-9.2	123	0.00
10	C	Phenol	40.000	41.614	-4.0	116	0.00
11		bis(2-Chloroethyl)ether	40.000	41.763	-4.4	121	0.00
12		1,3-Dichlorobenzene	40.000	41.498	-3.7	117	0.00
13	C	1,4-Dichlorobenzene	40.000	41.066	-2.7	116	0.00
14		1,2-Dichlorobenzene	40.000	40.857	-2.1	116	0.00
15		Benzyl Alcohol	40.000	42.564	-6.4	118	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	42.679	-6.7	121	0.00
17		2-Methylphenol	40.000	42.365	-5.9	119	0.00
18		Hexachloroethane	40.000	42.366	-5.9	117	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.525	-3.8	119	0.00
20		3+4-Methylphenols	40.000	41.840	-4.6	118	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	118	0.00
22		Acetophenone	40.000	40.417	-1.0	117	0.00
23	S	Nitrobenzene-d5	80.000	94.707	-18.4	128	0.00
24		Nitrobenzene	40.000	45.751	-14.4	125	0.00
25		Isophorone	40.000	40.944	-2.4	119	0.00
26	C	2-Nitrophenol	40.000	45.447	-13.6	139	0.00
27		2,4-Dimethylphenol	40.000	41.931	-4.8	120	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.357	-0.9	118	0.00
29	C	2,4-Dichlorophenol	40.000	42.157	-5.4	119	0.00
30		1,2,4-Trichlorobenzene	40.000	40.757	-1.9	118	0.00
31		Naphthalene	40.000	39.854	0.4	116	0.00
32		Benzoic acid	40.000	45.545	-13.9	144	0.00
33		4-Chloroaniline	40.000	40.096	-0.2	118	0.00
34	C	Hexachlorobutadiene	40.000	41.042	-2.6	119	0.00
35		Caprolactam	40.000	42.737	-6.8	121	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.844	-4.6	120	0.00
37		2-Methylnaphthalene	40.000	39.710	0.7	117	0.00
38		1-Methylnaphthalene	40.000	39.635	0.9	116	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	121	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.086	-0.2	118	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.975	2.6	110	0.00
42	S	2,4,6-Tribromophenol	80.000	84.321	-5.4	120	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.156	-5.4	119	0.00
44		2,4,5-Trichlorophenol	40.000	41.806	-4.5	122	0.00
45	S	2-Fluorobiphenyl	80.000	75.957	5.1	115	0.00
46		1,1'-Biphenyl	40.000	38.864	2.8	117	0.00
47		2-Chloronaphthalene	40.000	39.288	1.8	117	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	44.684	-11.7	137	0.00
49		Acenaphthylene	40.000	39.907	0.2	118	0.00
50		Dimethylphthalate	40.000	40.250	-0.6	119	0.00
51		2,6-Dinitrotoluene	40.000	44.292	-10.7	132	0.00
52	C	Acenaphthene	40.000	40.488	-1.2	121	0.00
53		3-Nitroaniline	40.000	43.938	-9.8	130	0.00
54	P	2,4-Dinitrophenol	40.000	47.494	-18.7	152	0.00
55		Dibenzofuran	40.000	39.391	1.5	118	0.00
56	P	4-Nitrophenol	40.000	49.725	-24.3	130	0.00
57		2,4-Dinitrotoluene	40.000	45.704	-14.3	137	0.00
58		Fluorene	40.000	38.547	3.6	117	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.607	-6.5	122	0.00
60		Diethylphthalate	40.000	39.896	0.3	117	0.00
61		4-Chlorophenyl-phenylether	40.000	38.546	3.6	116	0.00
62		4-Nitroaniline	40.000	48.866	-22.2	126	0.00
63		Azobenzene	40.000	40.188	-0.5	119	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	117	0.00
65		4,6-Dinitro-2-methylphenol	40.000	45.441	-13.6	143	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.431	-1.1	117	0.00
67		4-Bromophenyl-phenylether	40.000	40.614	-1.5	117	0.00
68		Hexachlorobenzene	40.000	40.697	-1.7	117	0.00
69		Atrazine	40.000	38.463	3.8	114	0.00
70	C	Pentachlorophenol	40.000	44.032	-10.1	120	0.00
71		Phenanthrene	40.000	39.475	1.3	115	0.00
72		Anthracene	40.000	39.126	2.2	115	0.00
73		Carbazole	40.000	39.317	1.7	114	0.00
74		Di-n-butylphthalate	40.000	39.540	1.2	115	0.00
75	C	Fluoranthene	40.000	38.448	3.9	114	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	111	0.00
77		Benzidine	40.000	74.959	-87.4#	201	0.00
78		Pyrene	40.000	42.307	-5.8	113	0.00
79	S	Terphenyl-d14	80.000	82.060	-2.6	111	0.00
80		Butylbenzylphthalate	40.000	43.655	-9.1	114	0.00
81		Benzo(a)anthracene	40.000	40.236	-0.6	112	0.00
82		3,3'-Dichlorobenzidine	40.000	43.392	-8.5	116	0.00
83		Chrysene	40.000	40.491	-1.2	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	43.350	-8.4	113	0.00
85	c	Di-n-octyl phthalate	40.000	46.033	-15.1	114	0.00
86	I	Perylene-d12	20.000	20.000	0.0	112	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	43.754	-9.4	116	0.00
88		Benzo(b)fluoranthene	40.000	39.602	1.0	115	0.00
89		Benzo(k)fluoranthene	40.000	39.608	1.0	106	0.00
90	C	Benzo(a)pyrene	40.000	40.891	-2.2	112	0.00
91		Dibenzo(a,h)anthracene	40.000	43.693	-9.2	115	0.00
92		Benzo(g,h,i)perylene	40.000	43.969	-9.9	116	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141801.D
Acq On : 27 Feb 2025 19:45
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF022725

Quant Time: Feb 28 01:51:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: BNA_G Calibration Date(s): 03/05/2025 03/05/2025

Calibration Time(s): 09:02 13:44

LAB FILE ID: RRF2.5 = BG064045.D RRF005 = BG064046.D RRF010 = BG064047.D
RRF020 = BG064048.D RRF040 = BG064049.D RRF050 = BG064050.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.450	1.445	1.452	1.573	1.338	1.412	7.3
2-Fluorophenol		1.165	1.240	1.330	1.350	1.259	1.281	5.0
Phenol-d6		1.580	1.631	1.794	1.848	1.703	1.742	6.1
1,4-Dichlorobenzene		1.548	1.546	1.607	1.592	1.478	1.548	2.7
2-Methylphenol		1.015	1.116	1.177	1.268	1.171	1.184	8.1
3+4-Methylphenols		1.402	1.518	1.638	1.706	1.612	1.630	8.3
Nitrobenzene-d5		0.290	0.300	0.360	0.385	0.390	0.362	13.3
Hexachloroethane		0.489	0.519	0.520	0.577	0.526	0.542	6.9
Nitrobenzene		0.298	0.320	0.390	0.397	0.396	0.374	12.2
Hexachlorobutadiene		0.208	0.213	0.225	0.219	0.216	0.217	2.5
2,4,6-Trichlorophenol		0.268	0.293	0.341	0.358	0.362	0.337	11.9
2-Fluorobiphenyl		1.369	1.310	1.359	1.368	1.283	1.318	3.6
2,4,5-Trichlorophenol		0.284	0.330	0.381	0.406	0.396	0.374	13.0
2,4-Dinitrotoluene		0.225	0.255	0.344	0.404	0.418	0.357	23.8
2,4,6-Tribromophenol		0.166	0.191	0.226	0.241	0.241	0.222	14.1
Hexachlorobenzene		0.227	0.226	0.236	0.229	0.228	0.229	1.4
Pentachlorophenol			0.105	0.128	0.149	0.151	0.142	15.6
Terphenyl-d14		1.011	1.024	1.062	0.999	0.944	0.989	4.9

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Mar 05 15:39:19 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064045.D 5 =BG064046.D 10 =BG064047.D 20 =BG064048.D 40 =BG064049.D 50 =BG064050.D 60 =BG064051.D 80 =BG0640
52.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.598	0.605	0.624	0.585	0.559	0.539	0.554	0.580	5.31
3)		Pyridine		1.450	1.445	1.452	1.573	1.338	1.376	1.248	1.412	7.30
4)		n-Nitrosodimet...		0.892	0.976	1.017	1.064	0.996	1.047	1.068	1.009	6.16
5)	S	2-Fluorophenol		1.165	1.240	1.330	1.350	1.259	1.318	1.304	1.281	5.00
6)		Aniline		1.593	1.670	1.825	1.820	1.642	1.748	1.671	1.710	5.24
7)	S	Phenol-d6		1.580	1.631	1.794	1.848	1.703	1.839	1.803	1.742	6.09
8)		2-Chlorophenol		1.262	1.337	1.412	1.446	1.333	1.420	1.420	1.376	4.80
9)		Benzaldehyde		1.111	1.122	1.133	1.003	0.860	0.850		1.013	12.94
10)	C	Phenol		1.590	1.693	1.826	1.881	1.752	1.900	1.846	1.784	6.30
11)		bis(2-Chloroet...		1.375	1.444	1.424	1.415	1.322	1.418	1.394	1.399	2.88
12)		1,3-Dichlorobe...		1.523	1.539	1.501	1.546	1.438	1.519	1.508	1.511	2.36
13)	C	1,4-Dichlorobe...		1.548	1.546	1.607	1.592	1.478	1.536	1.532	1.548	2.72
14)		1,2-Dichlorobe...		1.488	1.464	1.543	1.519	1.416	1.525	1.497	1.493	2.88
15)		Benzyl Alcohol		1.115	1.249	1.343	1.436	1.358	1.467	1.457	1.346	9.50
16)		2,2'-oxybis(1-...		3.064	3.024	3.209	3.282	2.996	3.218	3.222	3.145	3.61
17)		2-Methylphenol		1.015	1.116	1.177	1.268	1.171	1.269	1.271	1.184	8.11
18)		Hexachloroethane		0.489	0.519	0.520	0.577	0.526	0.581	0.580	0.542	6.88
19)	P	n-Nitroso-di-n...	1.146	1.095	1.157	1.282	1.323	1.189	1.322	1.268	1.223	7.13
20)		3+4-Methylphenols		1.402	1.518	1.638	1.706	1.612	1.804	1.729	1.630	8.34
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.522	0.525	0.580	0.563	0.546	0.561	0.543	0.548	3.82
23)	S	Nitrobenzene-d5		0.290	0.300	0.360	0.385	0.390	0.400	0.409	0.362	13.32
24)		Nitrobenzene		0.298	0.320	0.390	0.397	0.396	0.409	0.409	0.374	12.20
25)		Isophorone		0.709	0.672	0.744	0.745	0.717	0.757	0.727	0.724	3.93
26)	C	2-Nitrophenol		0.067	0.079	0.096	0.122	0.130	0.141	0.147	0.112	28.03
27)		2,4-Dimethylph...		0.194	0.187	0.221	0.228	0.221	0.239	0.229	0.217	8.82
28)		bis(2-Chloroet...		0.424	0.417	0.468	0.443	0.427	0.449	0.445	0.439	4.03
29)	C	2,4-Dichloroph...		0.222	0.239	0.281	0.287	0.290	0.301	0.298	0.274	11.22
30)		1,2,4-Trichlor...		0.323	0.317	0.343	0.332	0.336	0.335	0.332	0.331	2.54
31)		Naphthalene		1.078	1.043	1.114	1.079	1.061	1.097	1.077	1.078	2.13
32)		Benzoic acid			0.078	0.139	0.172	0.191	0.217	0.220	0.170	31.75
33)		4-Chloroaniline		0.355	0.364	0.407	0.416	0.394	0.419	0.404	0.394	6.46
34)	C	Hexachlorobuta...		0.208	0.213	0.225	0.219	0.216	0.220	0.218	0.217	2.55
35)		Caprolactam		0.086	0.091	0.112	0.110	0.113	0.112	0.111	0.105	10.78
36)	C	4-Chloro-3-met...		0.293	0.330	0.379	0.373	0.373	0.390	0.376	0.359	9.67
37)		2-Methylnaphth...		0.775	0.727	0.788	0.763	0.746	0.779	0.751	0.761	2.80
38)		1-Methylnaphth...		0.745	0.728	0.771	0.753	0.724	0.768	0.733	0.746	2.53

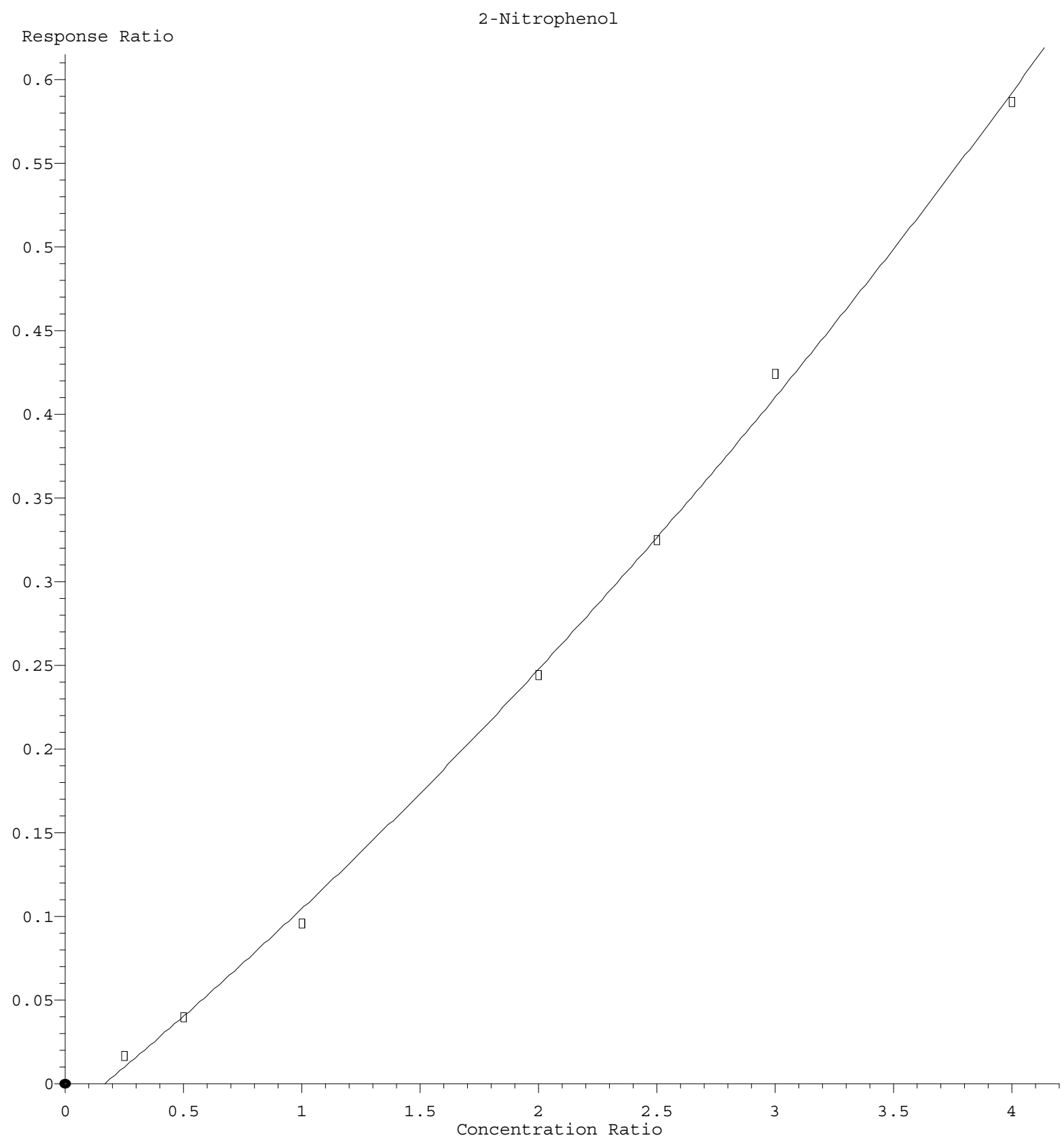
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.547	0.584	0.592	0.586	0.560	0.562	0.566	0.571	2.88
41)	P	Hexachlorocycl...	0.123	0.128	0.161	0.175	0.175	0.180	0.183	0.161	15.44
42)	S	2,4,6-Tribromo...	0.166	0.191	0.226	0.241	0.241	0.250	0.241	0.222	14.12
43)	C	2,4,6-Trichlor...	0.268	0.293	0.341	0.358	0.362	0.368	0.366	0.337	11.89
44)		2,4,5-Trichlor...	0.284	0.330	0.381	0.406	0.396	0.407	0.413	0.374	12.98
45)	S	2-Fluorobiphenyl	1.369	1.310	1.359	1.368	1.283	1.284	1.251	1.318	3.62
46)		1,1'-Biphenyl	1.506	1.499	1.572	1.538	1.475	1.512	1.475	1.511	2.29
47)		2-Chloronaphth...	1.086	1.075	1.100	1.127	1.102	1.121	1.103	1.102	1.63
48)		2-Nitroaniline	0.197	0.231	0.277	0.348	0.368	0.396	0.408	0.318	26.14
49)		Acenaphthylene	1.714	1.677	1.793	1.789	1.735	1.777	1.717	1.743	2.53
50)		Dimethylphthalate	1.432	1.401	1.559	1.520	1.463	1.508	1.452	1.476	3.73
51)		2,6-Dinitrotol...	0.158	0.200	0.262	0.292	0.300	0.307	0.308	0.261	22.73
52)	C	Acenaphthene	1.165	1.148	1.231	1.187	1.159	1.171	1.128	1.170	2.77
53)		3-Nitroaniline	0.190	0.228	0.298	0.316	0.313	0.329	0.323	0.285	18.96
54)	P	2,4-Dinitrophenol		0.066	0.084	0.100	0.111	0.121	0.129	0.102	23.25
55)		Dibenzofuran	1.926	1.881	1.976	1.941	1.853	1.864	1.826	1.895	2.84
56)	P	4-Nitrophenol		0.164	0.200	0.257	0.280	0.270	0.265	0.239	19.47
57)		2,4-Dinitrotol...	0.225	0.255	0.344	0.404	0.418	0.426	0.424	0.357	23.78
58)		Fluorene	1.555	1.450	1.542	1.478	1.452	1.460	1.395	1.476	3.79
59)		2,3,4,6-Tetrac...	0.262	0.326	0.388	0.395	0.385	0.402	0.393	0.365	14.21
60)		Diethylphthalate	1.496	1.501	1.709	1.669	1.624	1.637	1.584	1.603	5.06
61)		4-Chlorophenyl...	0.754	0.744	0.788	0.735	0.712	0.721	0.681	0.733	4.61
62)		4-Nitroaniline	0.213	0.263	0.313	0.345	0.351	0.339	0.333	0.308	16.67
63)		Azobenzene	1.734	1.645	1.785	1.758	1.700	1.705	1.644	1.710	3.13
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.050	0.059	0.075	0.082	0.092	0.096	0.076	24.31
66)	c	n-Nitrosodiphe...	0.558	0.551	0.582	0.578	0.558	0.571	0.565	0.566	2.06
67)		4-Bromophenyl-...	0.186	0.195	0.212	0.210	0.200	0.217	0.213	0.205	5.61
68)		Hexachlorobenzene	0.227	0.226	0.236	0.229	0.228	0.229	0.230	0.229	1.45
69)		Atrazine	0.175	0.190	0.179	0.160	0.129			0.167	14.34
70)	C	Pentachlorophenol		0.105	0.128	0.149	0.151	0.159	0.163	0.142	15.58
71)		Phenanthrene	1.084	1.034	1.110	1.080	1.054	1.059	1.047	1.067	2.44
72)		Anthracene	1.024	1.041	1.104	1.085	1.055	1.065	1.051	1.061	2.55
73)		Carbazole	0.949	0.988	1.020	1.027	1.007	0.986	0.956	0.990	3.02
74)		Di-n-butylphth...	0.932	1.095	1.213	1.257	1.236	1.219	1.208	1.166	9.90
75)	C	Fluoranthene	1.272	1.315	1.336	1.318	1.298	1.243	1.221	1.286	3.31
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.221	0.400	0.238	0.313	0.195	0.299	0.271	0.277	24.80
78)		Pyrene	1.251	1.287	1.350	1.310	1.254	1.290	1.282	1.289	2.63
79)	S	Terphenyl-d14	1.011	1.024	1.062	0.999	0.944	0.957	0.927	0.989	4.88
80)		Butylbenzylpht...	0.285	0.331	0.405	0.465	0.473	0.503	0.502	0.423	20.44
81)		Benzo(a)anthra...	1.217	1.268	1.310	1.303	1.275	1.309	1.286	1.281	2.54
82)		3,3'-Dichlorob...	0.350	0.396	0.444	0.450	0.416	0.436	0.411	0.415	8.27
83)		Chrysene	1.281	1.233	1.308	1.306	1.263	1.301	1.252	1.278	2.29
84)		Bis(2-ethylhex...	0.504	0.582	0.685	0.757	0.751	0.789	0.782	0.693	15.90
85)	c	Di-n-octyl pht...		0.892	1.108	1.239	1.256	1.339	1.338	1.195	14.31

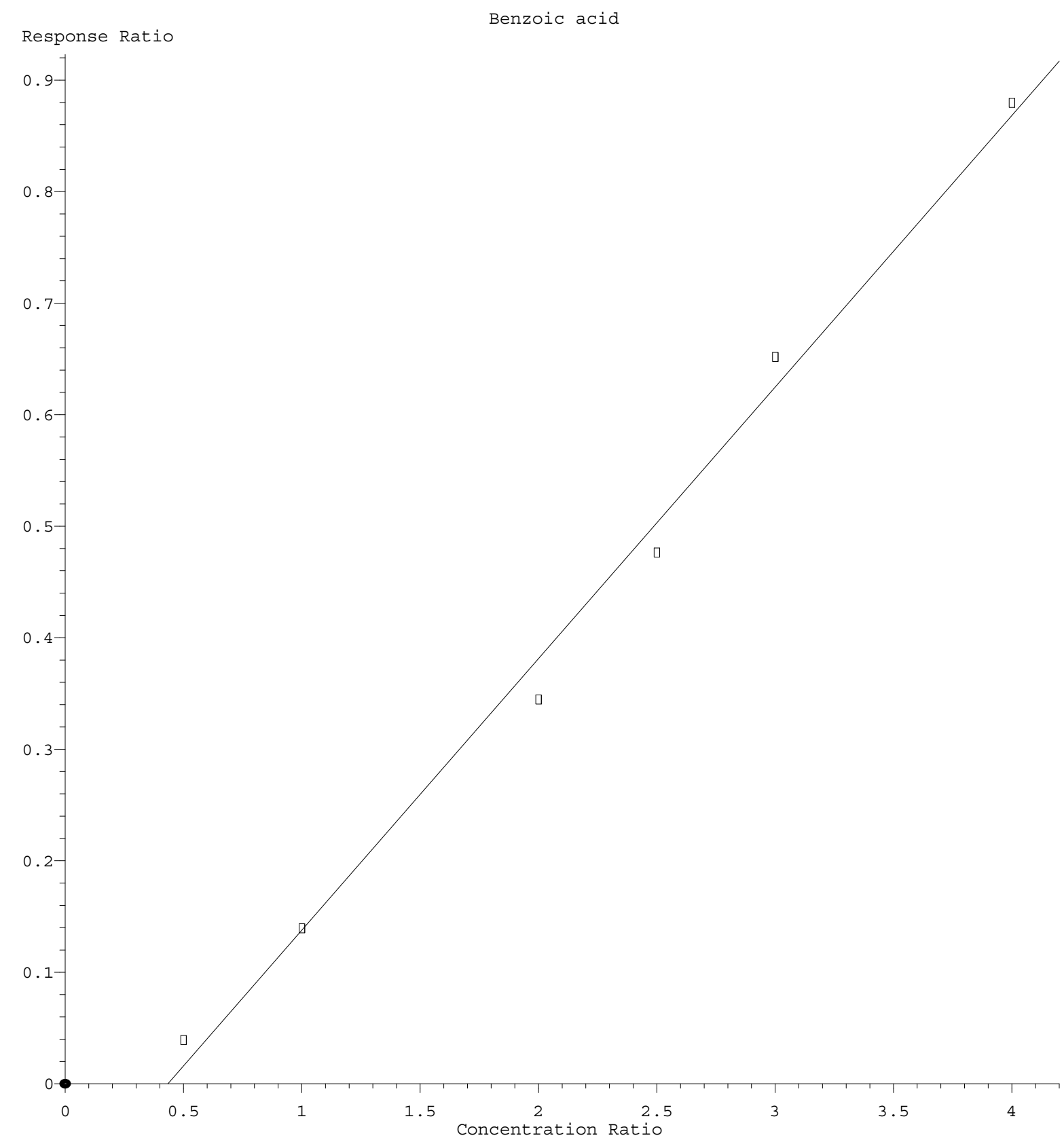
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.223	1.232	1.408	1.376	1.354	1.381	1.394	1.338	5.80
88)		Benzo(b)fluora...	1.150	1.146	1.269	1.216	1.232	1.215	1.236	1.209	3.76
89)		Benzo(k)fluora...	1.111	1.189	1.281	1.255	1.205	1.234	1.215	1.213	4.49
90)	C	Benzo(a)pyrene	0.993	1.022	1.124	1.107	1.106	1.092	1.093	1.077	4.57
91)		Dibenzo(a,h)an...	1.029	1.036	1.151	1.133	1.134	1.123	1.160	1.109	4.86
92)		Benzo(g,h,i)pe...	1.049	1.093	1.208	1.152	1.146	1.155	1.168	1.139	4.58

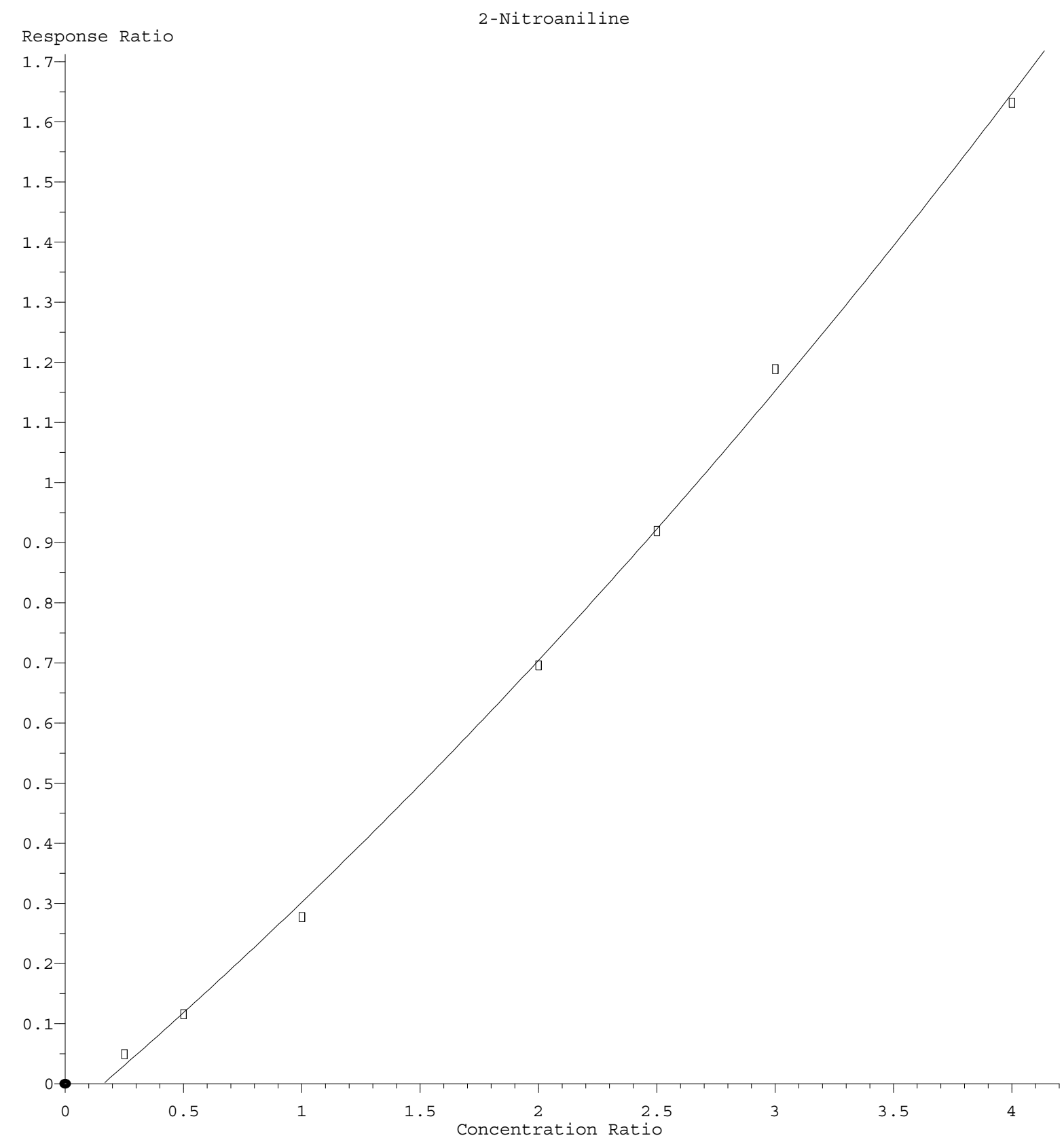
(#) = Out of Range



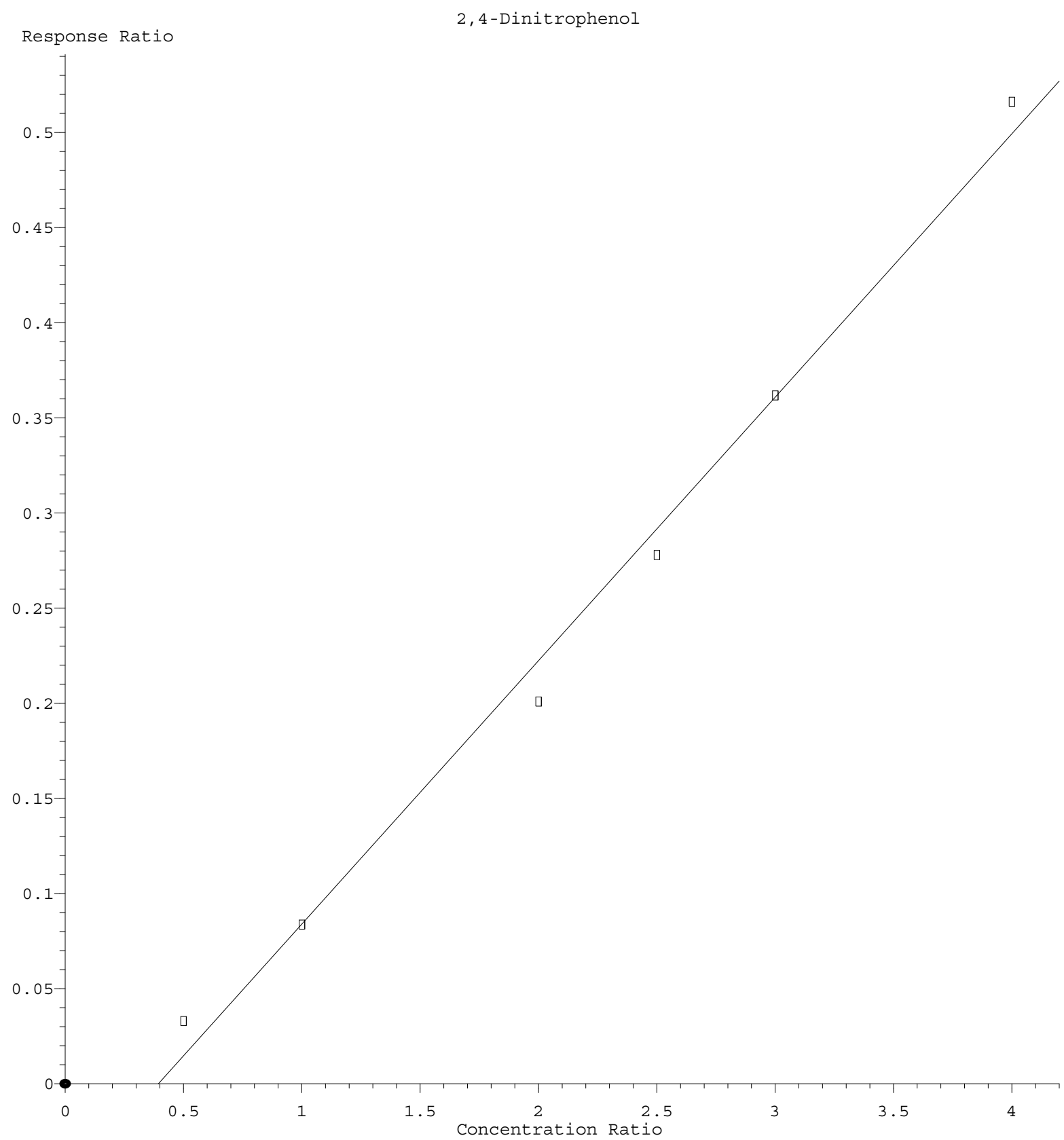
R = 9.766e-003 A*A + 1.137e-001 A - 1.893e-002
Coef of Det (r^2) = 0.998666 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG030525.M
Calibration Table Last Updated: Wed Mar 05 15:39:19 2025



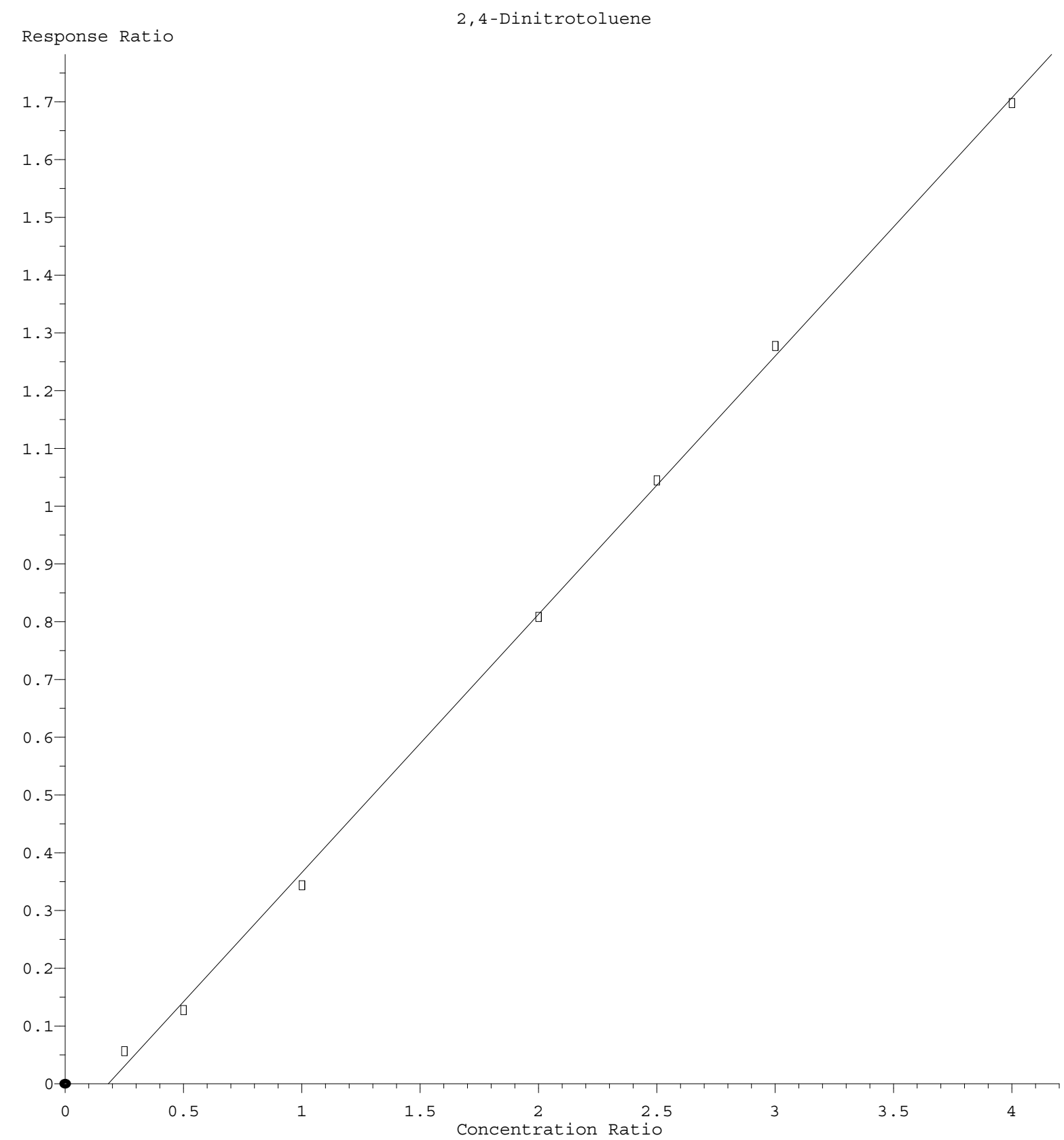
Response = 2.435e-001 * Amt - 1.058e-001
Coef of Det (r^2) = 0.993062 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG030525.M
Calibration Table Last Updated: Wed Mar 05 15:39:19 2025



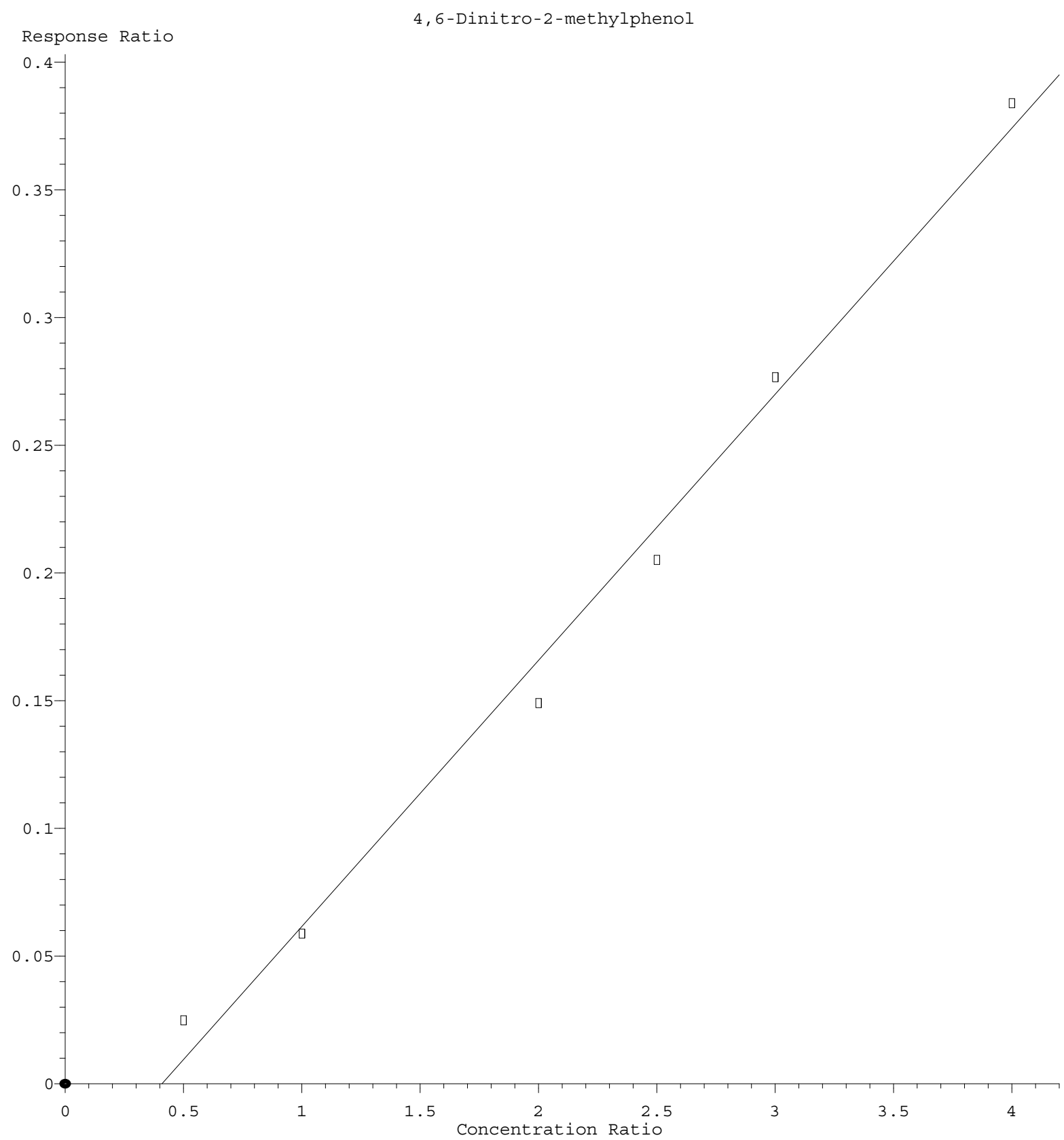
R = 2.299e-002 A*A + 3.333e-001 A - 5.414e-002
Coef of Det (r^2) = 0.998770 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG030525.M
Calibration Table Last Updated: Wed Mar 05 15:39:19 2025



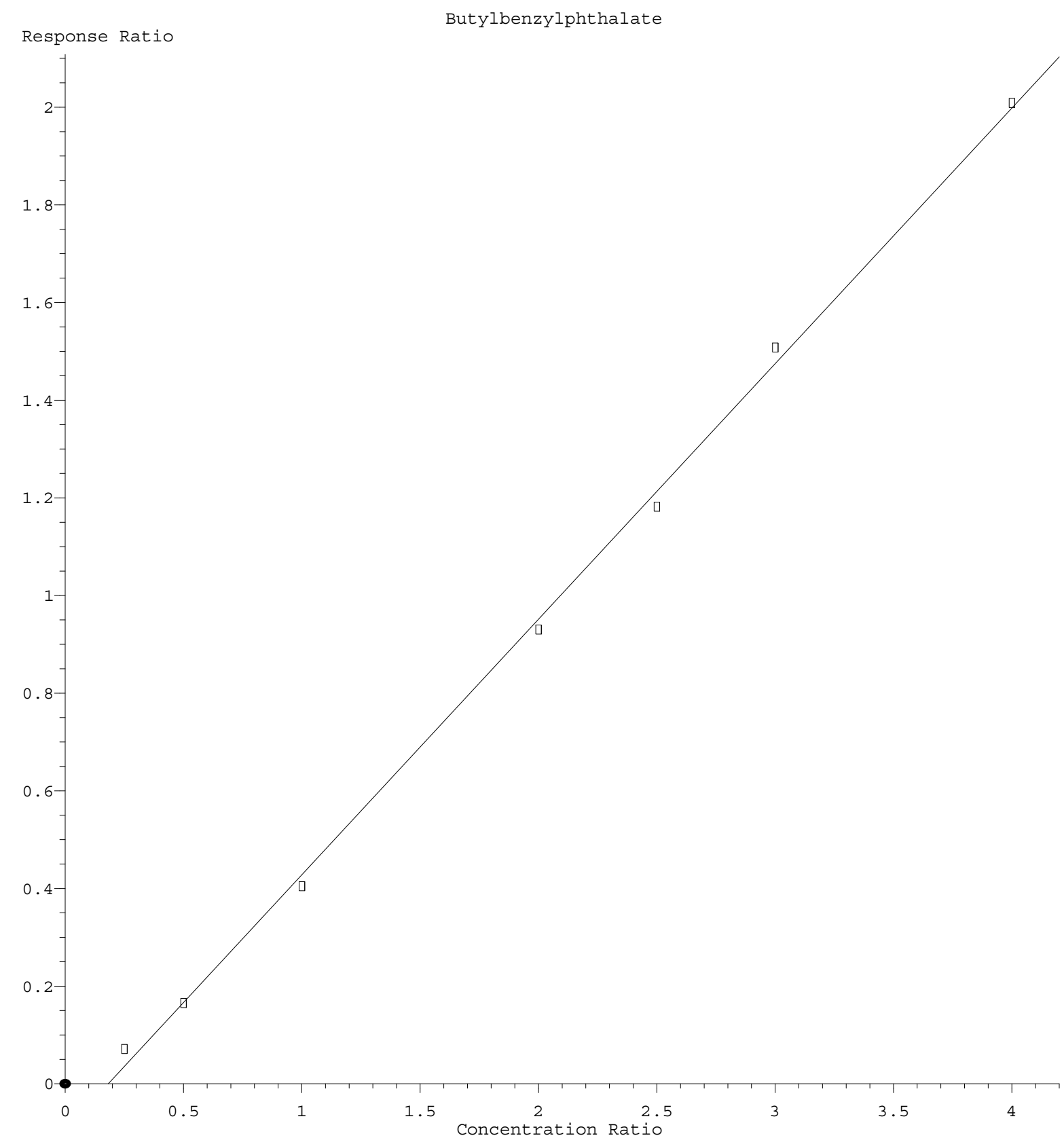
Response = 1.385e-001 * Amt - 5.459e-002
Coef of Det (r^2) = 0.992124 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG030525.M
Calibration Table Last Updated: Wed Mar 05 15:39:19 2025



Response = 4.472e-001 * Amt - 8.152e-002
Coef of Det (r^2) = 0.999194 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG030525.M
Calibration Table Last Updated: Wed Mar 05 15:39:19 2025



Response = 1.041e-001 * Amt - 4.259e-002
Coef of Det (r^2) = 0.990937 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG030525.M
Calibration Table Last Updated: Wed Mar 05 15:39:19 2025



Response = 5.234e-001 * Amt - 9.520e-002
Coef of Det (r^2) = 0.998592 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG030525.M
Calibration Table Last Updated: Wed Mar 05 15:39:19 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064045.D
Acq On : 5 Mar 2025 9:02
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 05 15:19:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	29138	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	131138	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	97001	20.000	ng	0.00
64) Phenanthrene-d10	17.229	188	240464	20.000	ng	0.00
76) Chrysene-d12	21.454	240	249925	20.000	ng	0.00
86) Perylene-d12	24.474	264	262700	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...	8.663	70	4175	2.343	ng	# 90

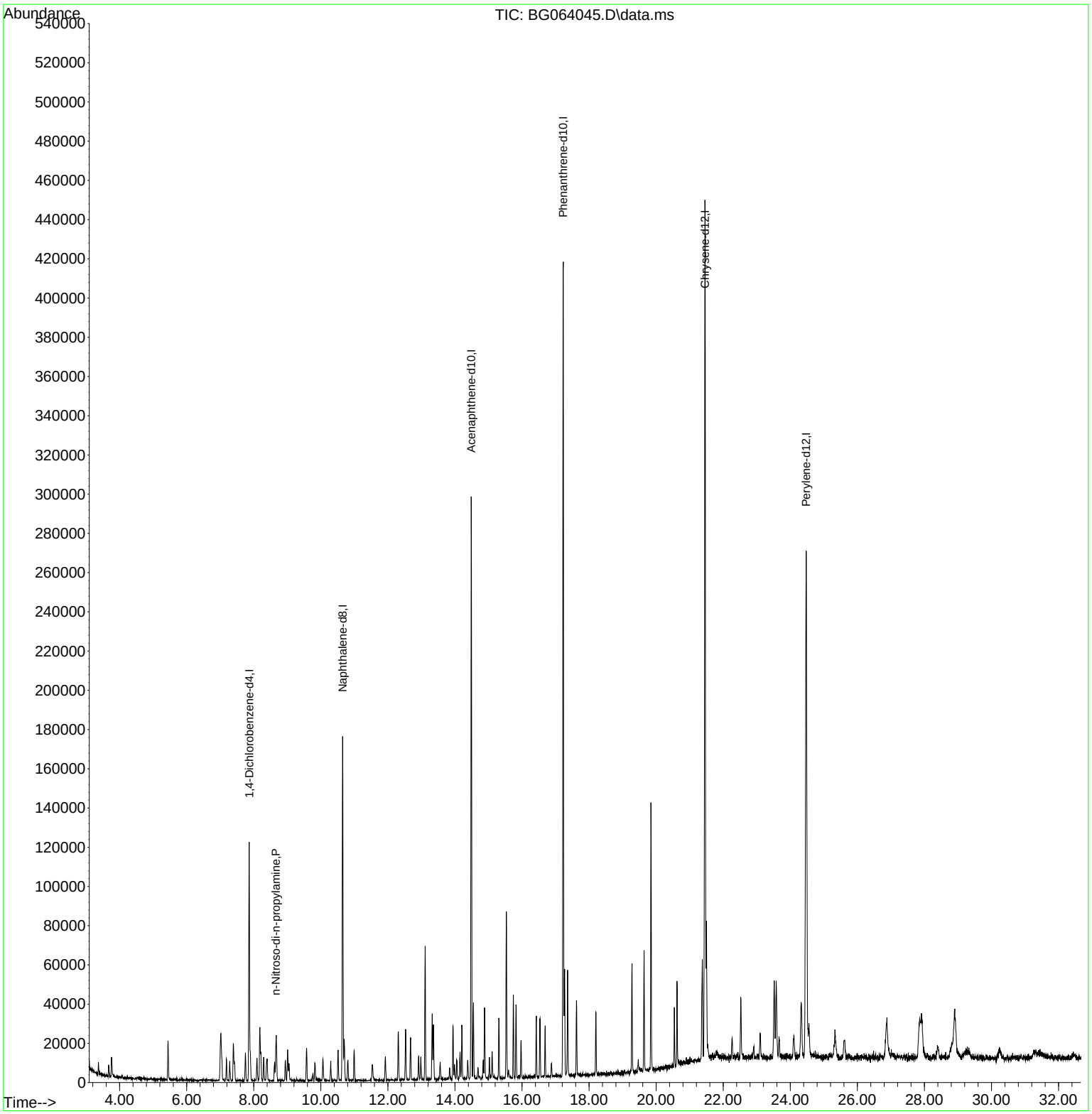
(#) = qualifier out of range (m) = manual integration (+) = signals summed

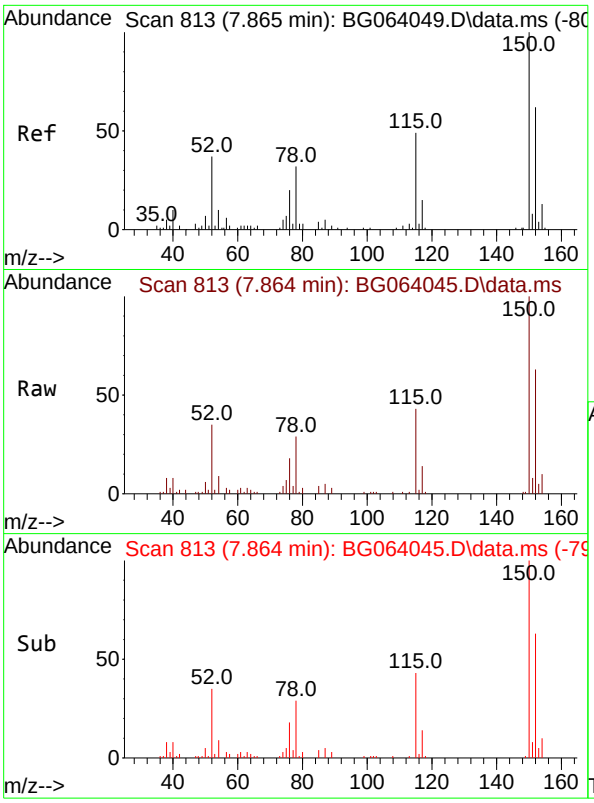
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064045.D
Acq On : 5 Mar 2025 9:02
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 05 15:19:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration



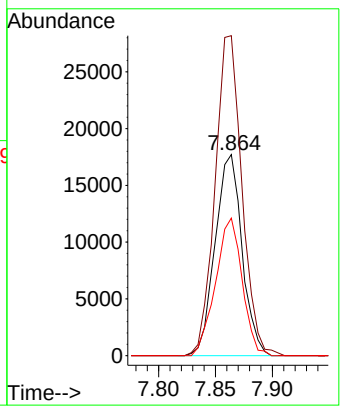


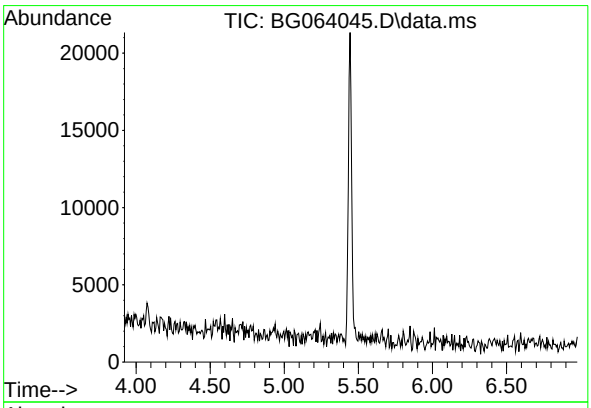
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 29138

Ion	Ratio	Lower	Upper
152	100		
150	159.1	129.2	193.8
115	68.4	63.0	94.6



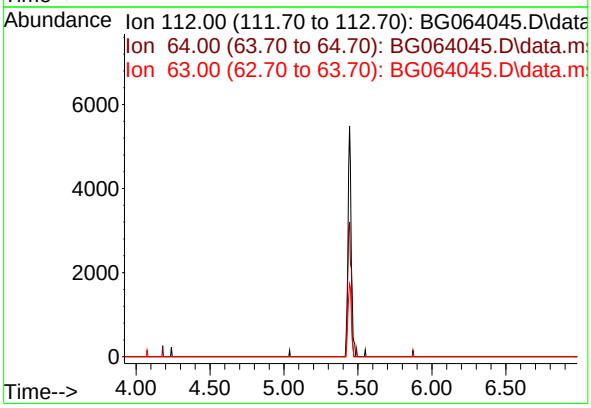


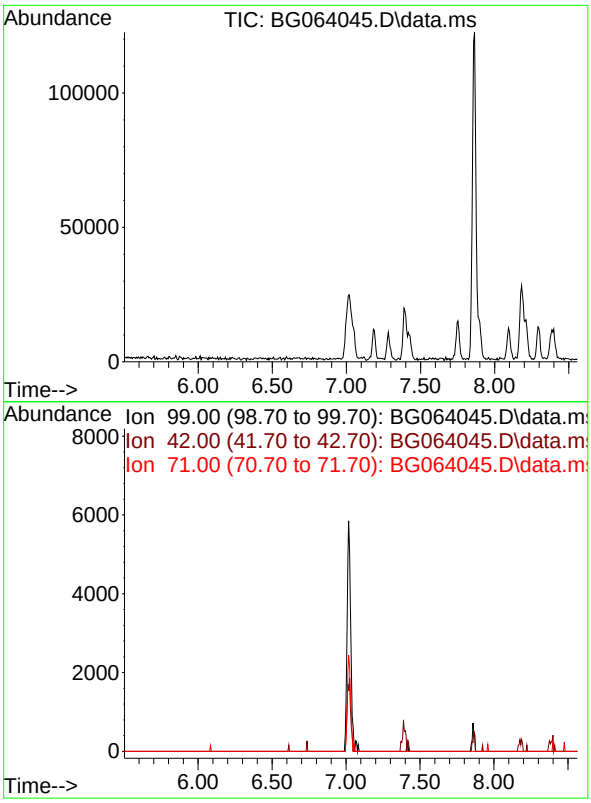
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.45 min

Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	67.1
63	37.8





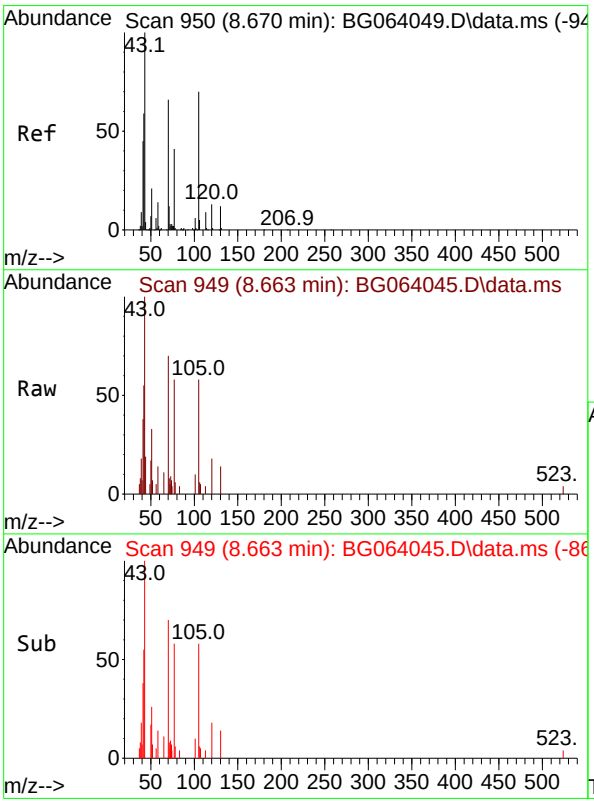
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.03 min

Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

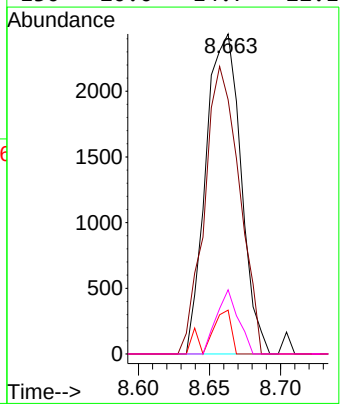
Sig	Exp Ratio
99	100
42	28.4
71	38.3

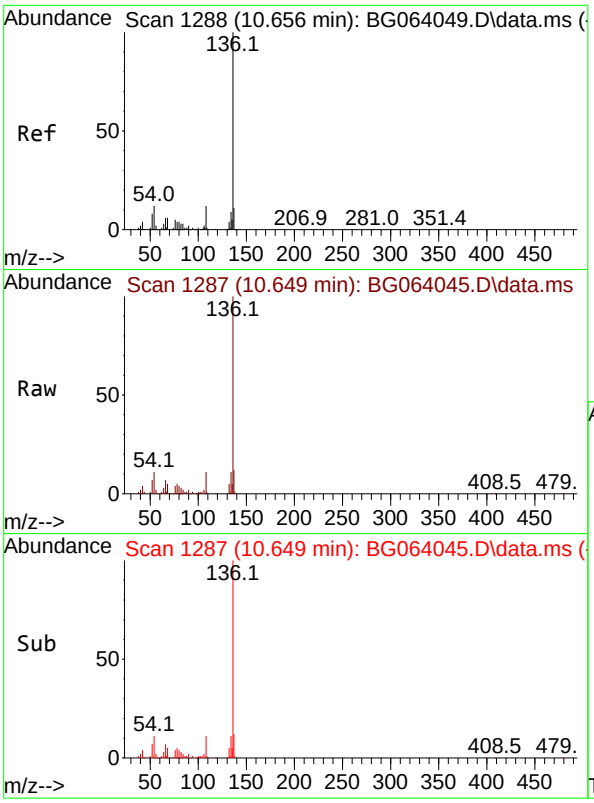


#19
n-Nitroso-di-n-propylamine
Concen: 2.343 ng
RT: 8.663 min Scan# 949
Delta R.T. -0.007 min
Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Tgt Ion: 70 Resp: 4175

Ion	Ratio	Lower	Upper
70	100		
42	79.5	72.1	108.1
101	13.7	7.2	10.8#
130	20.0	14.7	22.1



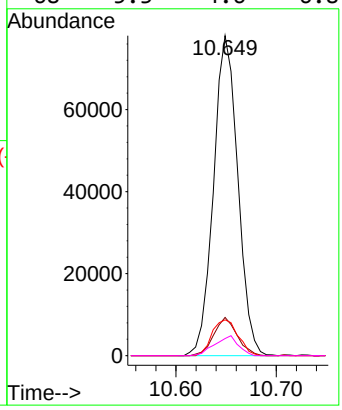


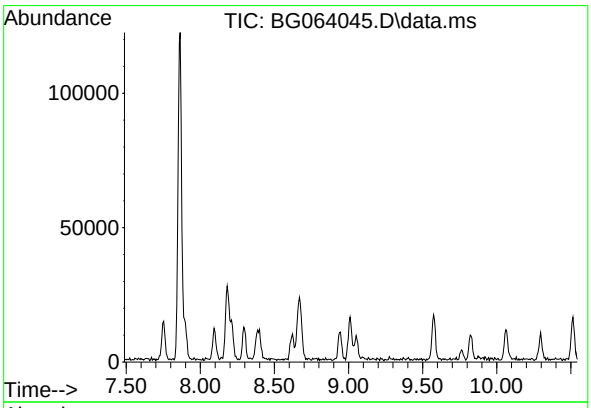
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 131138

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.5	12.7
54	11.2	9.9	14.9
68	5.3	4.6	6.8



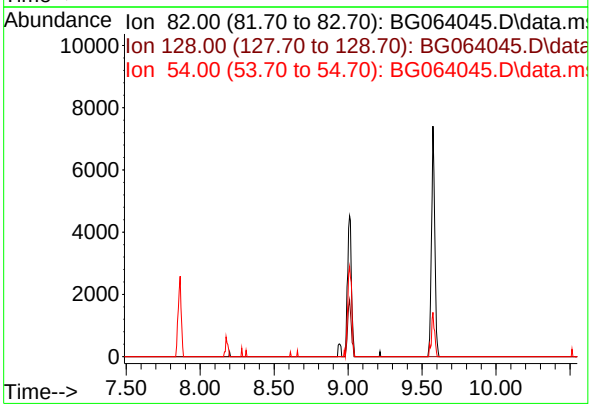


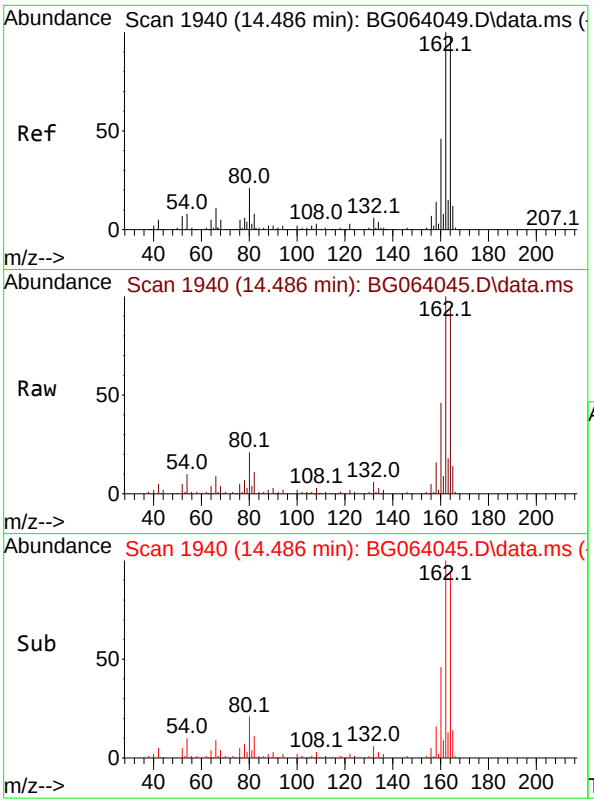
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.02 min

Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	37.5
54	68.4



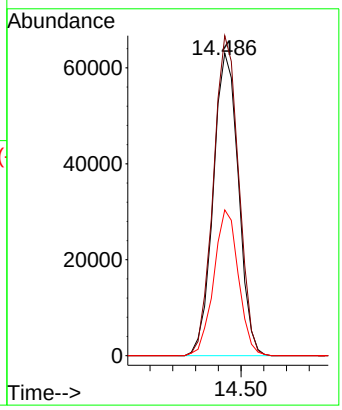


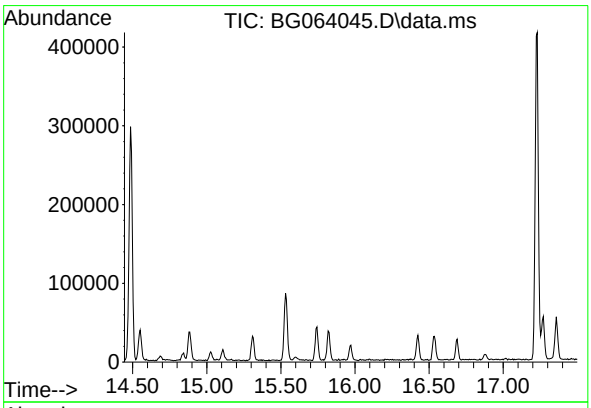
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 97001

Ion	Ratio	Lower	Upper
164	100		
162	105.8	81.4	122.0
160	48.2	37.0	55.6



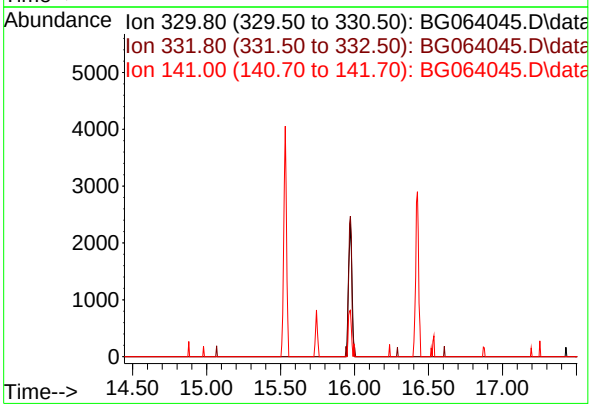


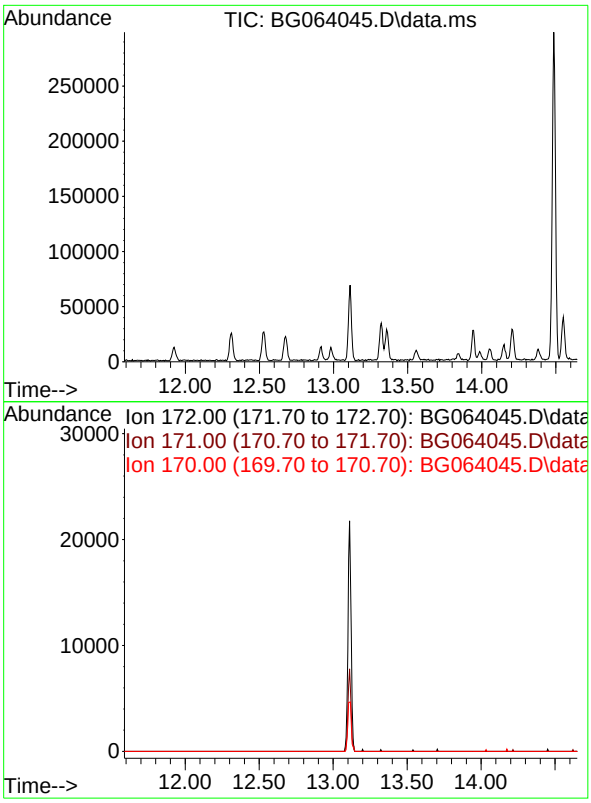
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.97 min

Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.9
141	37.1





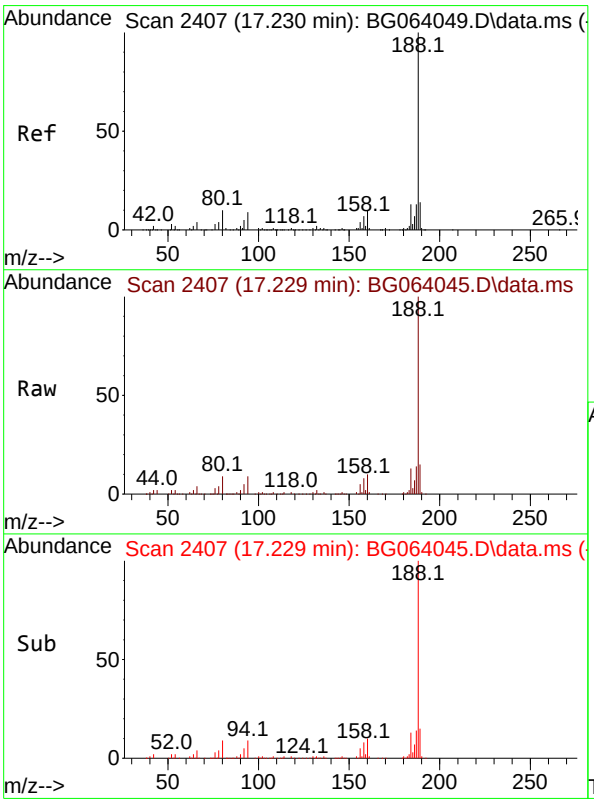
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.12 min

Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

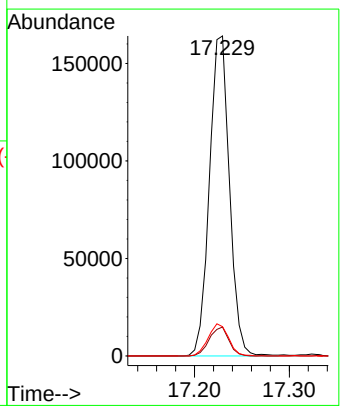
Sig	Exp Ratio
172	100
171	35.0
170	23.4

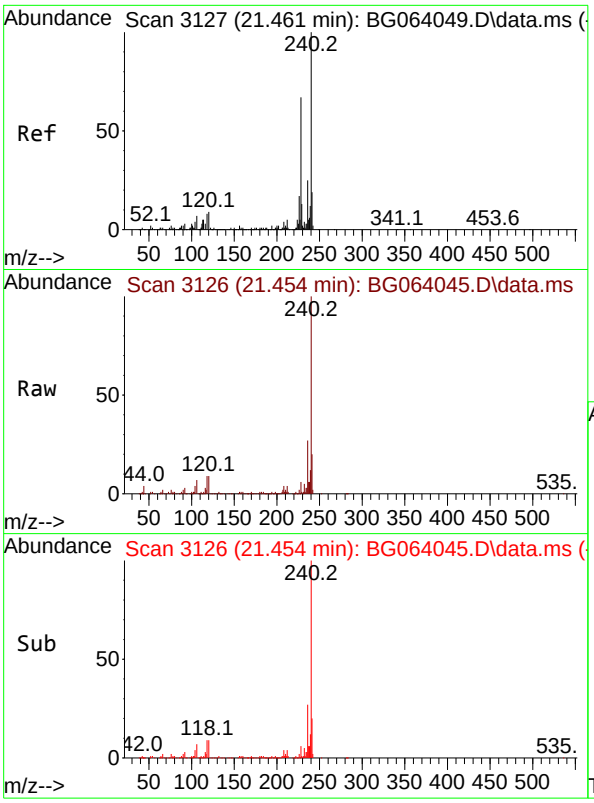


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.229 min Scan# 2407
Delta R.T. -0.001 min
Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Tgt Ion:188 Resp: 240464

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.9	10.3
80	9.1	8.1	12.1



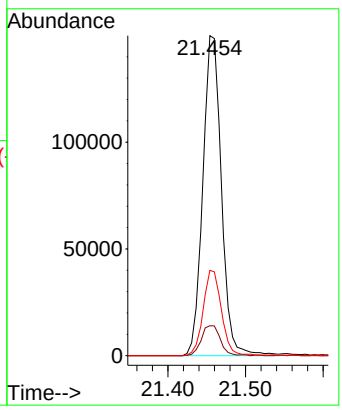


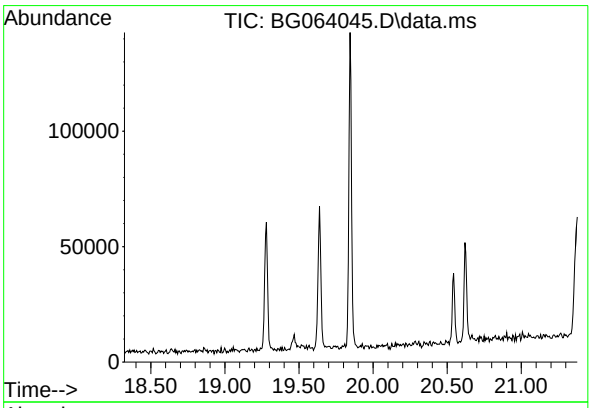
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3
Delta R.T. -0.007 min
Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 249925

Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.2	10.8
236	26.6	20.2	30.2



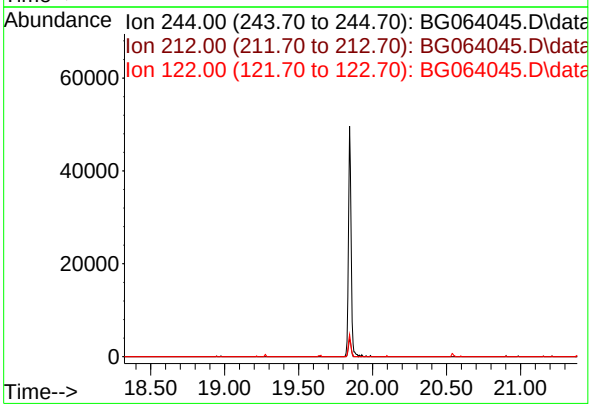


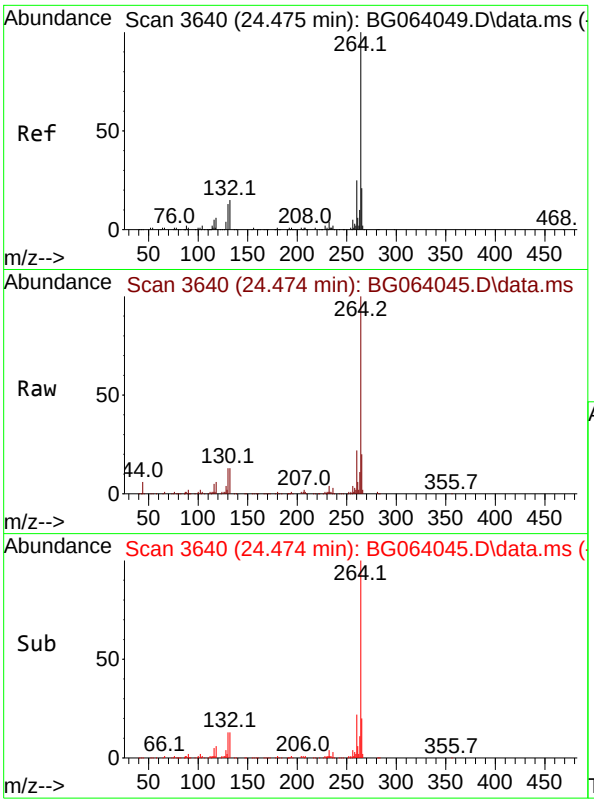
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.85 min

Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.8
122	10.0



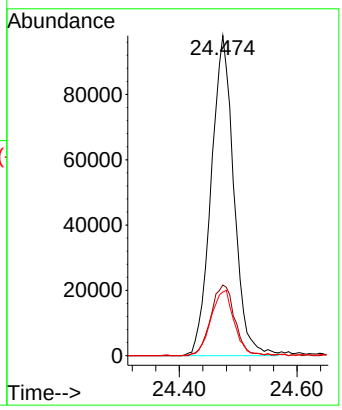


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 262700

Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.6	29.4
265	19.9	16.6	25.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064046.D
Acq On : 5 Mar 2025 9:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:20:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.865	152	33357	20.000	ng		0.00
21) Naphthalene-d8	10.650	136	142015	20.000	ng		0.00
39) Acenaphthene-d10	14.487	164	99722	20.000	ng		0.00
64) Phenanthrene-d10	17.225	188	234862	20.000	ng		0.00
76) Chrysene-d12	21.455	240	251570	20.000	ng		0.00
86) Perylene-d12	24.469	264	257404	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.450	112	19435	9.098	ng		0.00
7) Phenol-d6	7.025	99	26345	9.065	ng		0.00
23) Nitrobenzene-d5	9.011	82	20601	8.016	ng		0.00
42) 2,4,6-Tribromophenol	15.967	330	8299	7.487	ng		0.00
45) 2-Fluorobiphenyl	13.112	172	68235	10.386	ng		0.00
79) Terphenyl-d14	19.845	244	127223	10.226	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.376	88	4983	5.147	ng		88
3) Pyridine	3.764	79	12091	5.135	ng		90
4) n-Nitrosodimethylamine	3.676	42	7436	4.420	ng	#	86
6) Aniline	7.189	93	13285	4.659	ng	#	90
8) 2-Chlorophenol	7.424	128	10525	4.587	ng		93
9) Benzaldehyde	7.007	77	9269	5.456	ng		91
10) Phenol	7.048	94	13256	4.455	ng		95
11) bis(2-Chloroethyl)ether	7.289	93	11465	4.915	ng		92
12) 1,3-Dichlorobenzene	7.753	146	12701	5.041	ng		99
13) 1,4-Dichlorobenzene	7.894	146	12909m	4.999	ng		
14) 1,2-Dichlorobenzene	8.218	146	12410m	4.983	ng		
15) Benzyl Alcohol	8.094	79	9299	4.141	ng	#	91
16) 2,2'-oxybis(1-Chloropr...	8.400	45	25555	4.872	ng		94
17) 2-Methylphenol	8.300	107	8465	4.287	ng		88
18) Hexachloroethane	8.946	117	4075	4.510	ng		85
19) n-Nitroso-di-n-propyla...	8.664	70	9131	4.477	ng	#	96
20) 3+4-Methylphenols	8.623	107	11690	4.300	ng		95
22) Acetophenone	8.676	105	18540	4.761	ng		95
24) Nitrobenzene	9.052	77	10563	3.977	ng	#	91
25) Isophorone	9.575	82	25179	4.895	ng		98
26) 2-Nitrophenol	9.769	139	2362	6.094	ng		88
27) 2,4-Dimethylphenol	9.822	122	6887	4.466	ng	#	88
28) bis(2-Chloroethoxy)met...	10.062	93	15067	4.832	ng		95
29) 2,4-Dichlorophenol	10.297	162	7898	4.056	ng		96
30) 1,2,4-Trichlorobenzene	10.515	180	11480	4.884	ng		93
31) Naphthalene	10.703	128	38285	4.999	ng		99
33) 4-Chloroaniline	10.809	127	12591	4.499	ng		95
34) Hexachlorobutadiene	10.997	225	7373	4.786	ng	#	91
35) Caprolactam	11.537	113	3052	4.090	ng	#	89
36) 4-Chloro-3-methylphenol	11.925	107	10408	4.078	ng		92
37) 2-Methylnaphthalene	12.313	142	27533	5.093	ng		99
38) 1-Methylnaphthalene	12.530	142	26458	4.995	ng		97
40) 1,2,4,5-Tetrachloroben...	12.677	216	13634	4.789	ng		94
41) Hexachlorocyclopentadiene	12.665	237	3078	3.841	ng		97
43) 2,4,6-Trichlorophenol	12.912	196	6684m	3.983	ng		
44) 2,4,5-Trichlorophenol	12.983	196	7092	3.804	ng		94

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064046.D
Acq On : 5 Mar 2025 9:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:20:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.323	154	37550	4.984	ng		98
47) 2-Chloronaphthalene	13.359	162	27076	4.928	ng		95
48) 2-Nitroaniline	13.552	65	4908	6.075	ng		84
49) Acenaphthylene	14.205	152	42736	4.917	ng		96
50) Dimethylphthalate	13.940	163	35694	4.849	ng		99
51) 2,6-Dinitrotoluene	14.058	165	3942	5.812	ng	#	81
52) Acenaphthene	14.551	154	29044m	4.969	ng		
53) 3-Nitroaniline	14.387	138	4736	3.329	ng	#	84
55) Dibenzofuran	14.880	168	48004	5.080	ng		96
57) 2,4-Dinitrotoluene	14.839	165	5618	6.165	ng	#	95
58) Fluorene	15.532	166	38777	5.269	ng		90
59) 2,3,4,6-Tetrachlorophenol	15.109	232	6538	3.597	ng	#	94
60) Diethylphthalate	15.309	149	37289	4.666	ng		98
61) 4-Chlorophenyl-phenyle...	15.532	204	18807	5.142	ng		89
62) 4-Nitroaniline	15.538	138	5314	3.460	ng		93
63) Azobenzene	15.820	77	43236	5.070	ng		96
66) n-Nitrosodiphenylamine	15.744	169	32754	4.927	ng		96
67) 4-Bromophenyl-phenylether	16.426	248	10898	4.531	ng		93
68) Hexachlorobenzene	16.531	284	13351	4.958	ng		99
69) Atrazine	16.690	200	10297	5.264	ng		89
71) Phenanthrene	17.266	178	63629	5.079	ng		98
72) Anthracene	17.354	178	60108	4.825	ng		98
73) Carbazole	17.624	167	55726	4.792	ng		99
74) Di-n-butylphthalate	18.200	149	54700	3.996	ng	#	95
75) Fluoranthene	19.275	202	74694	4.946	ng		99
77) Benzidine	19.463	184	13919m	3.941	ng		
78) Pyrene	19.639	202	78707	4.853	ng		98
80) Butylbenzylphthalate	20.538	149	17899	6.356	ng		96
81) Benzo(a)anthracene	21.437	228	76566	4.751	ng		98
82) 3,3'-Dichlorobenzidine	21.361	252	22038	4.226	ng		89
83) Chrysene	21.502	228	80580	5.014	ng		98
84) Bis(2-ethylhexyl)phtha...	21.379	149	31674	3.634	ng		94
87) Indeno(1,2,3-cd)pyrene	27.865	276	78681	4.569	ng	#	94
88) Benzo(b)fluoranthene	23.523	252	74031	4.757	ng		99
89) Benzo(k)fluoranthene	23.588	252	71522	4.582	ng		98
90) Benzo(a)pyrene	24.322	252	63881	4.610	ng	#	96
91) Dibenzo(a,h)anthracene	27.912	278	66224	4.638	ng		98
92) Benzo(g,h,i)perylene	28.905	276	67535	4.607	ng	#	93

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

ICAL Form

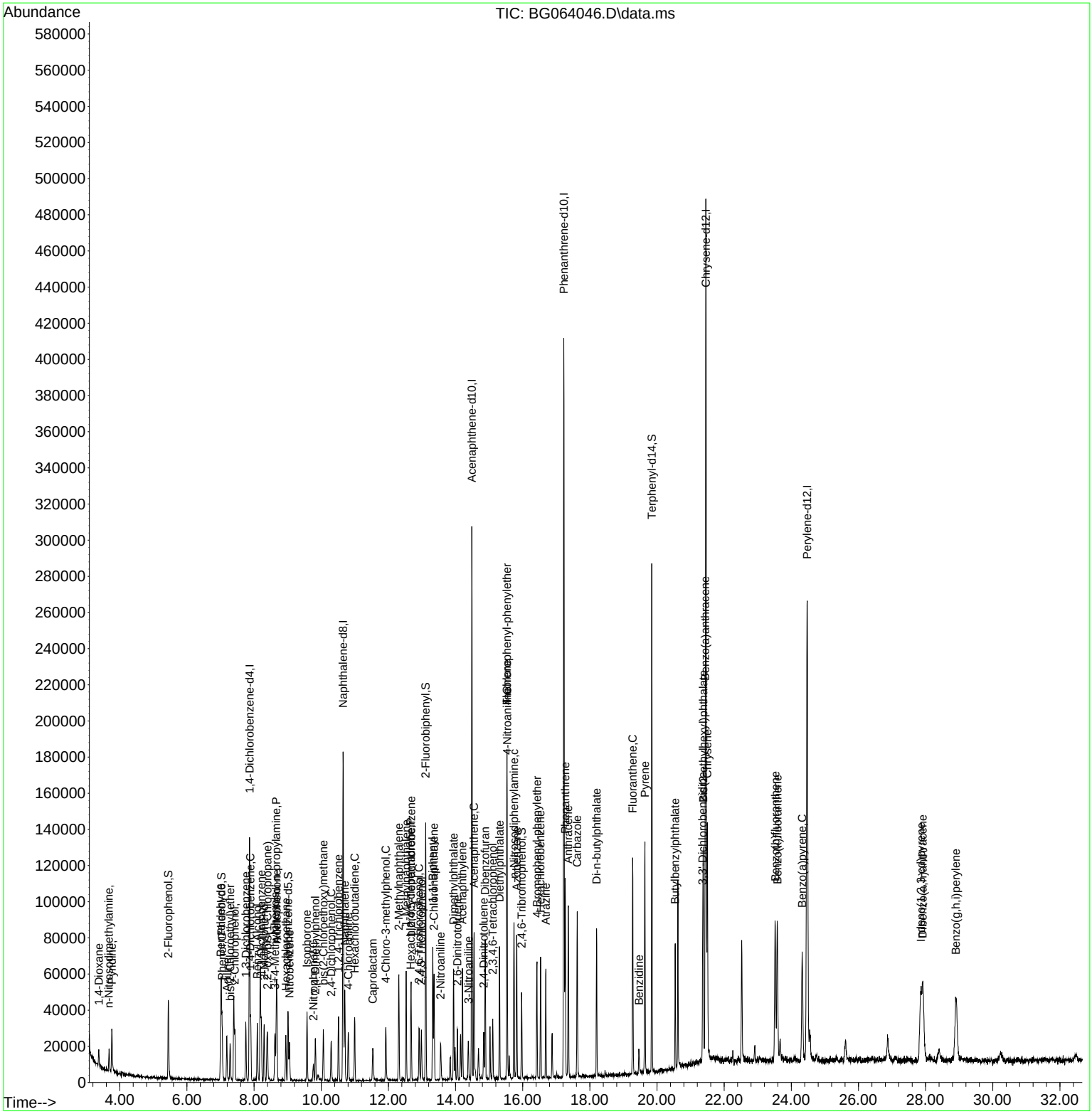
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Data File : BG064046.D
Acq On : 5 Mar 2025 9:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

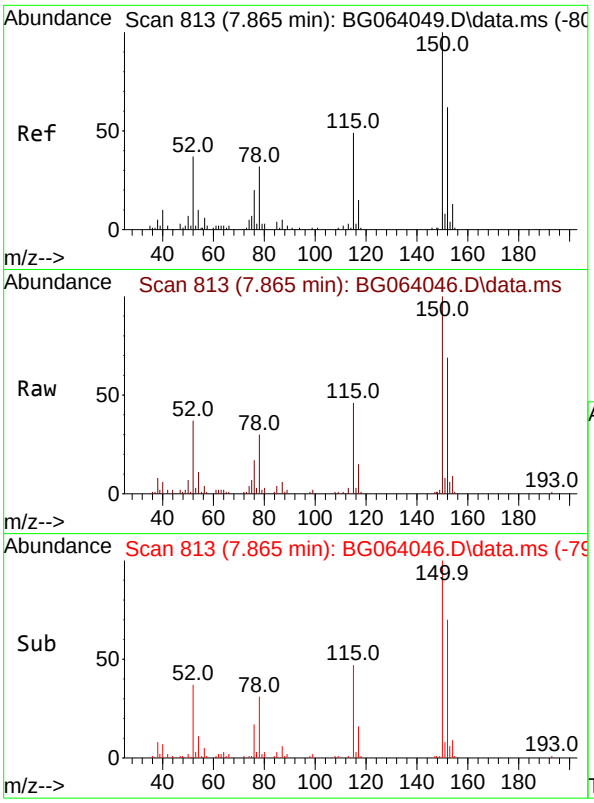
Quant Time: Mar 05 15:20:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

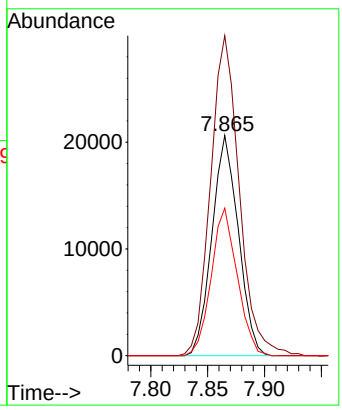




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:152 Resp: 3335

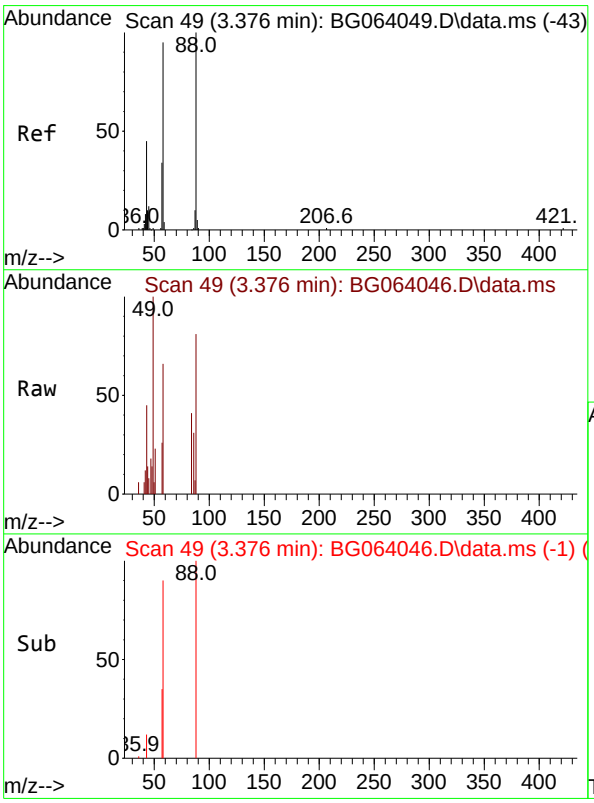
Ion	Ratio	Lower	Upper
152	100		
150	145.3	129.2	193.8
115	67.0	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

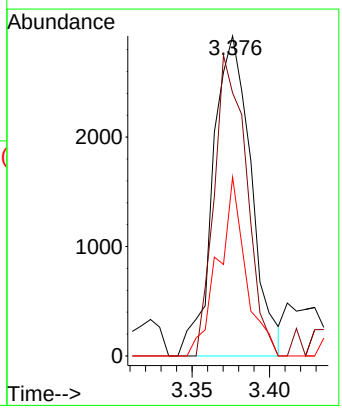
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

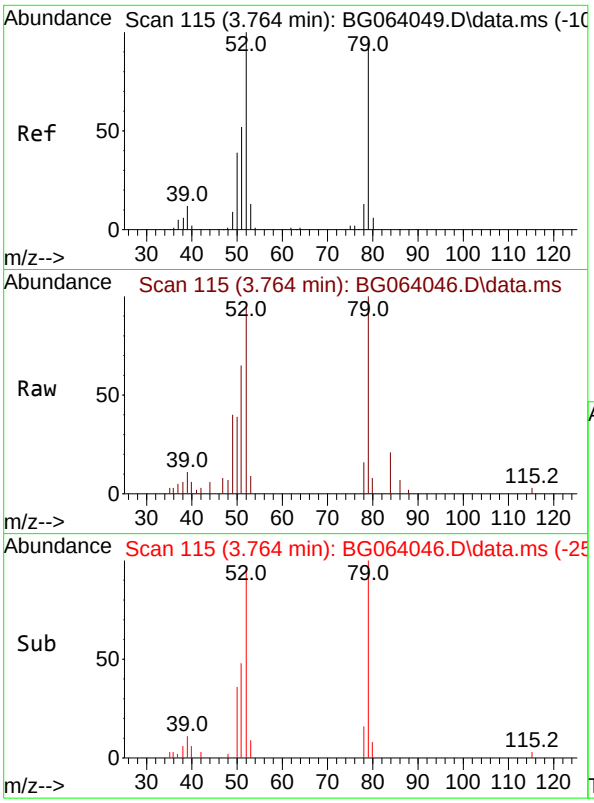


#2
1,4-Dioxane
Concen: 5.147 ng
RT: 3.376 min Scan# 49
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 88 Resp: 4983

Ion	Ratio	Lower	Upper
88	100		
58	79.5	74.6	111.8
43	40.5	35.5	53.3

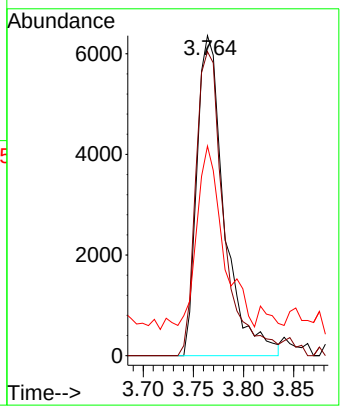




#3
Pyridine
Concen: 5.135 ng
RT: 3.764 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 79 Resp: 1209

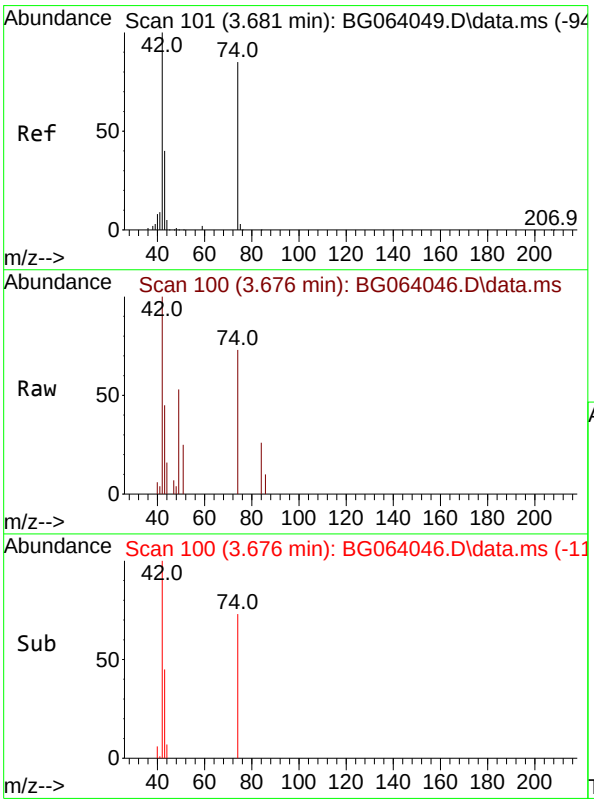
Ion	Ratio	Lower	Upper
79	100		
52	95.0	83.0	124.6
51	65.5	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

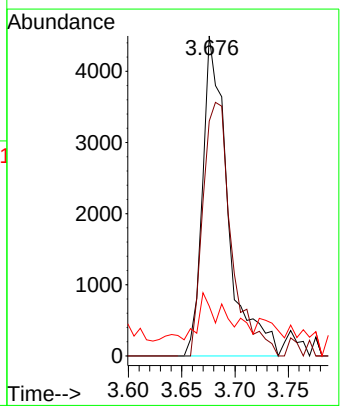
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

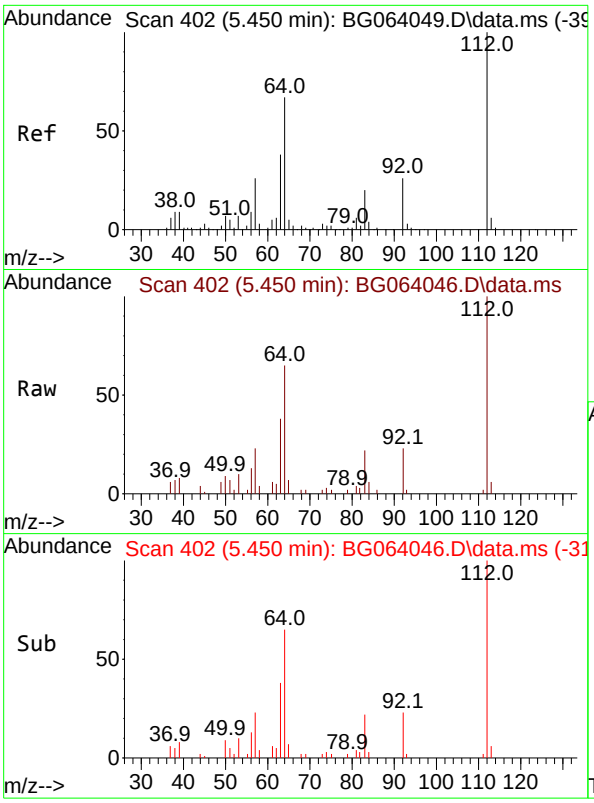


#4
n-Nitrosodimethylamine
Concen: 4.420 ng
RT: 3.676 min Scan# 100
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 42 Resp: 7436

Ion	Ratio	Lower	Upper
42	100		
74	73.4	68.0	102.0
44	15.6	4.9	7.3#

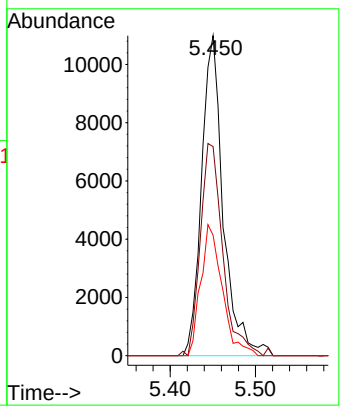




#5
2-Fluorophenol
Concen: 9.098 ng
RT: 5.450 min Scan# 4(
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:112 Resp: 1943

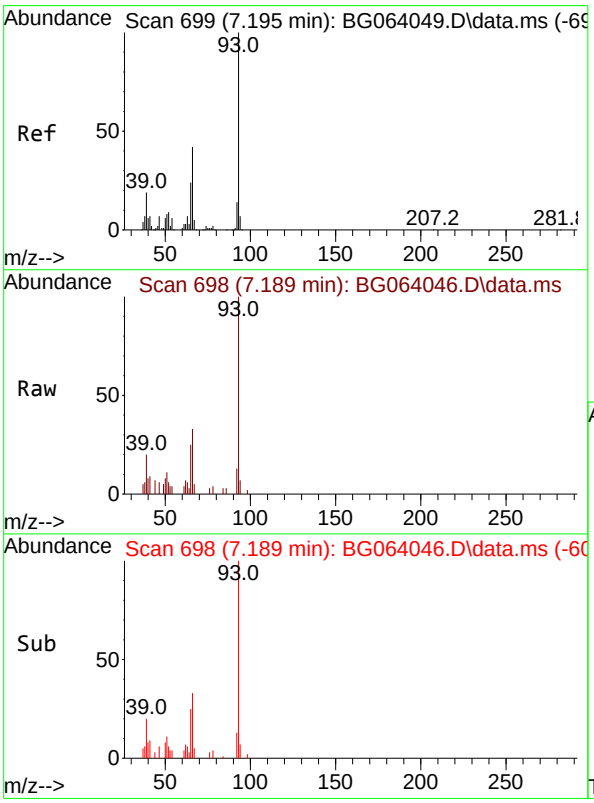
Ion	Ratio	Lower	Upper
112	100		
64	65.4	53.7	80.5
63	37.6	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

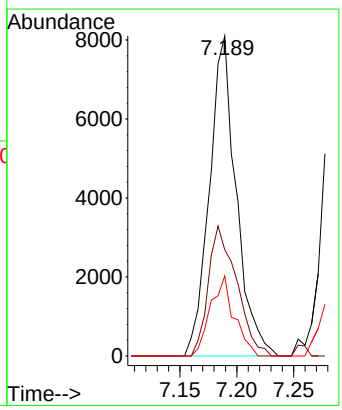
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

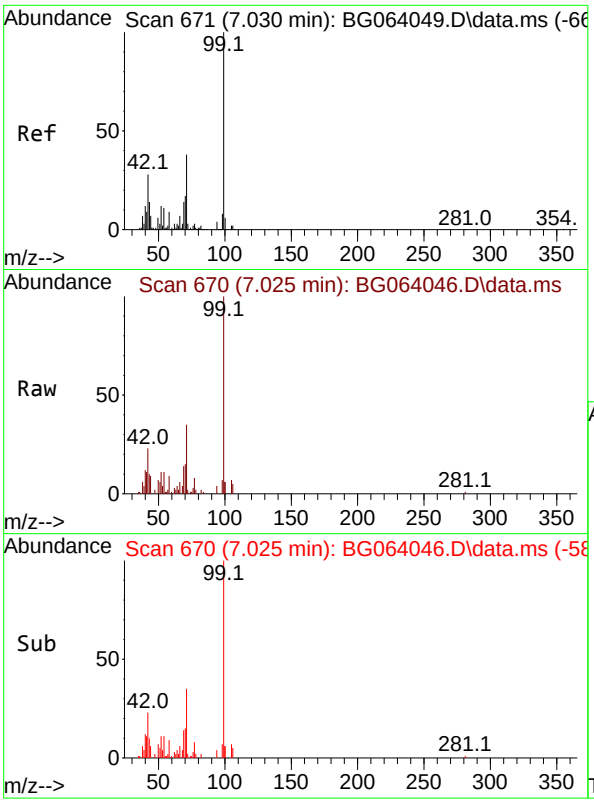


#6
Aniline
Concen: 4.659 ng
RT: 7.189 min Scan# 698
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 93 Resp: 13285

Ion	Ratio	Lower	Upper
93	100		
66	33.2	33.7	50.5#
65	25.0	19.1	28.7

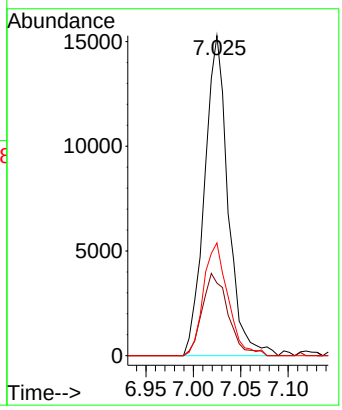




#7
Phenol-d6
Concen: 9.065 ng
RT: 7.025 min Scan# 6
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 99 Resp: 2634

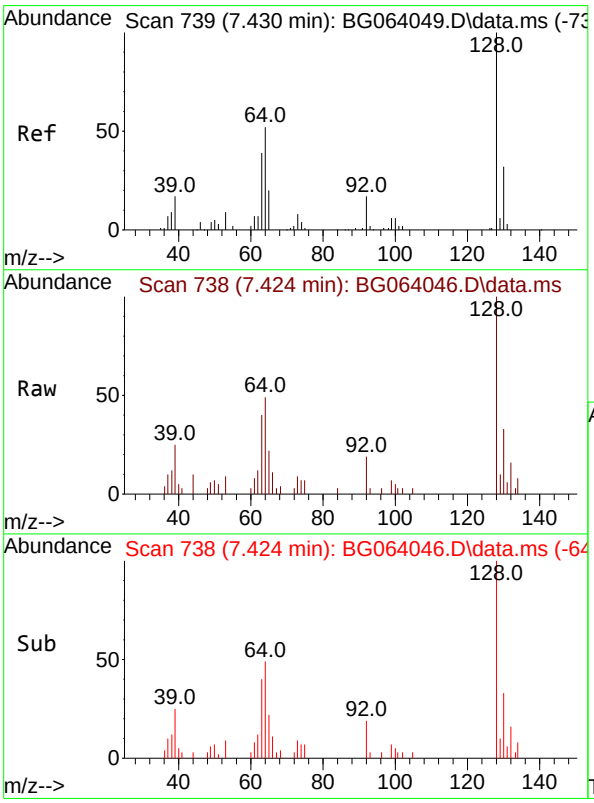
Ion	Ratio	Lower	Upper
99	100		
42	22.7	22.7	34.1#
71	35.2	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

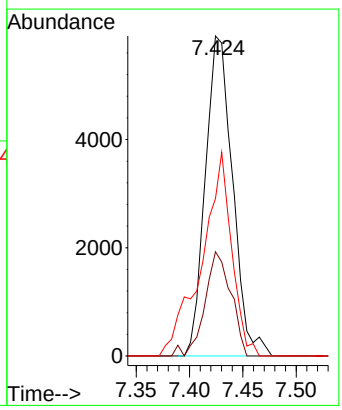
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

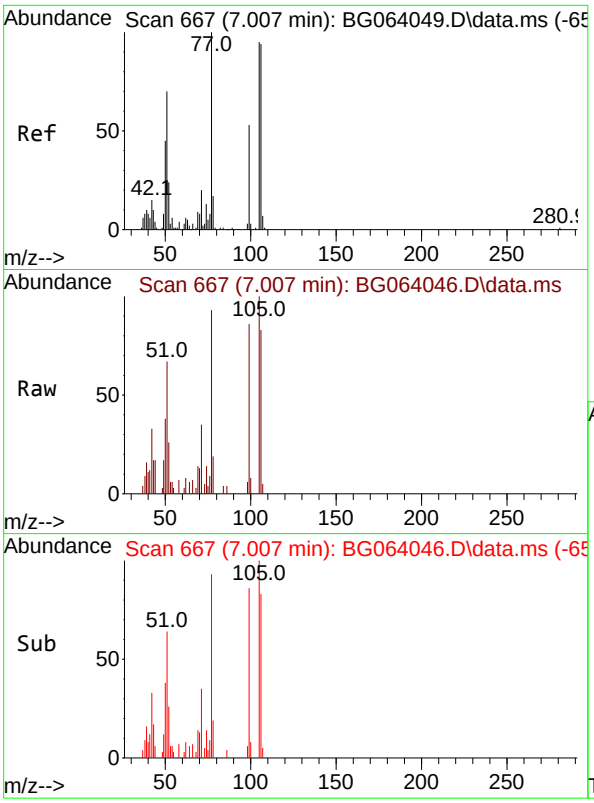


#8
2-Chlorophenol
Concen: 4.587 ng
RT: 7.424 min Scan# 738
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:128 Resp: 10525

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.3	52.3
64	49.2	37.0	77.0

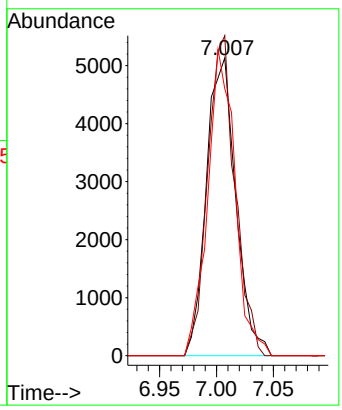




#9
Benzaldehyde
Concen: 5.456 ng
RT: 7.007 min Scan# 6
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 77 Resp: 926

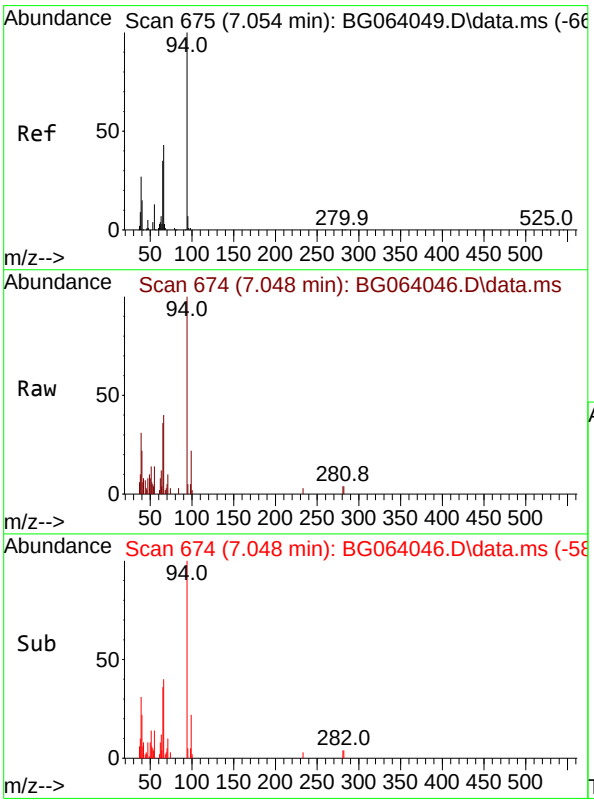
Ion	Ratio	Lower	Upper
77	100		
105	107.4	75.5	115.5
106	89.7	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

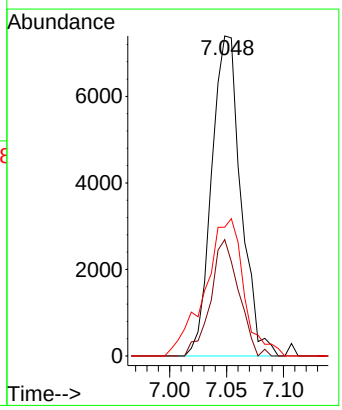
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

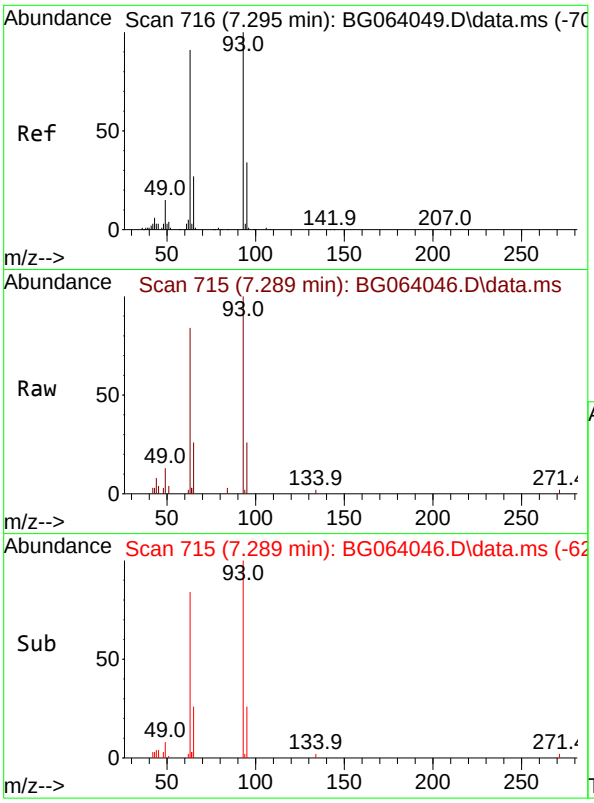


#10
Phenol
Concen: 4.455 ng
RT: 7.048 min Scan# 674
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 94 Resp: 13256

Ion	Ratio	Lower	Upper
94	100		
65	36.4	15.2	55.2
66	40.2	25.1	65.1

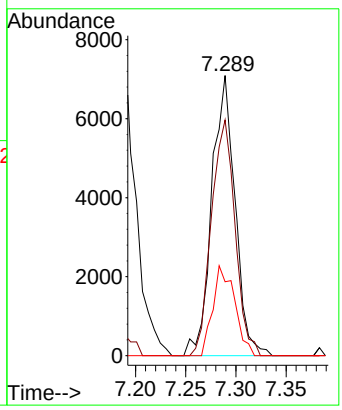




#11
bis(2-Chloroethyl)ether
Concen: 4.915 ng
RT: 7.289 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 93 Resp: 1146

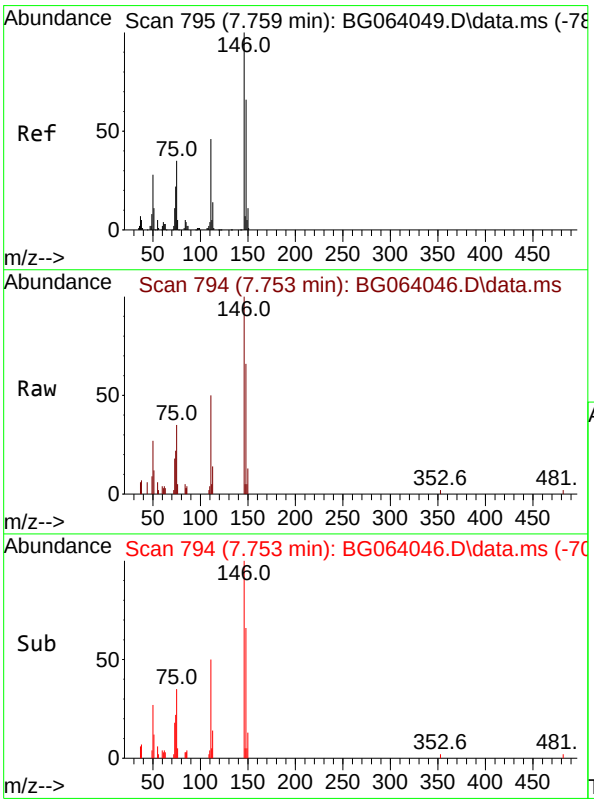
Ion	Ratio	Lower	Upper
93	100		
63	84.1	70.0	110.0
95	26.4	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

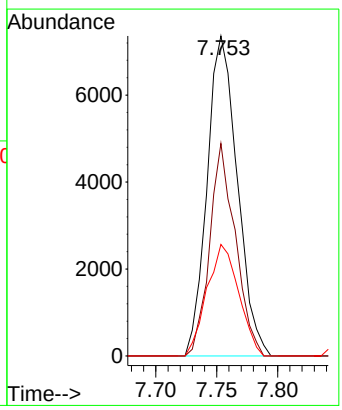
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

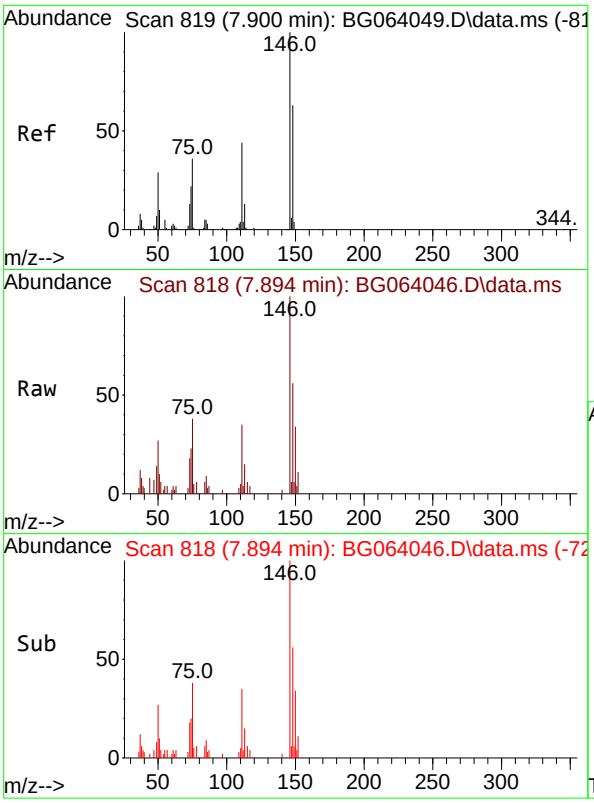


#12
1,3-Dichlorobenzene
Concen: 5.041 ng
RT: 7.753 min Scan# 794
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:146 Resp: 12701

Ion	Ratio	Lower	Upper
146	100		
148	66.4	52.6	78.8
75	34.9	28.1	42.1

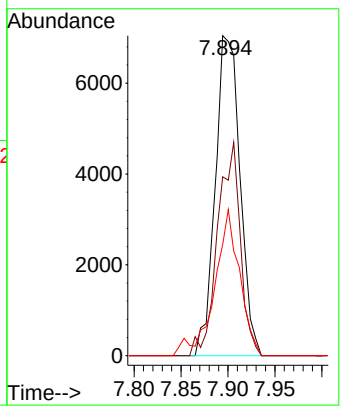




#13
1,4-Dichlorobenzene
Concen: 4.999 ng m
RT: 7.894 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:146 Resp: 1290

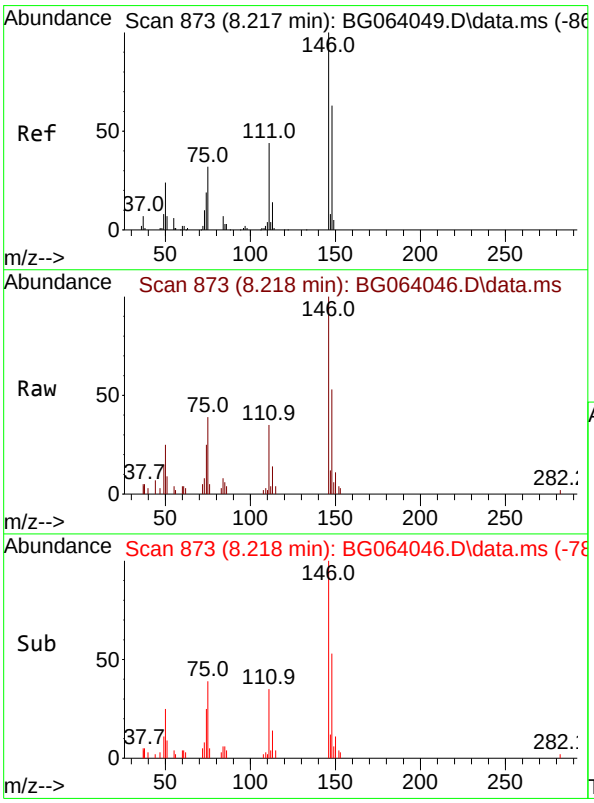
Ion	Ratio	Lower	Upper
146	100		
148	55.9	50.6	75.8
111	34.7	35.1	52.7#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

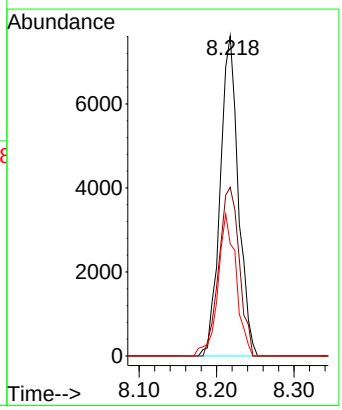
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

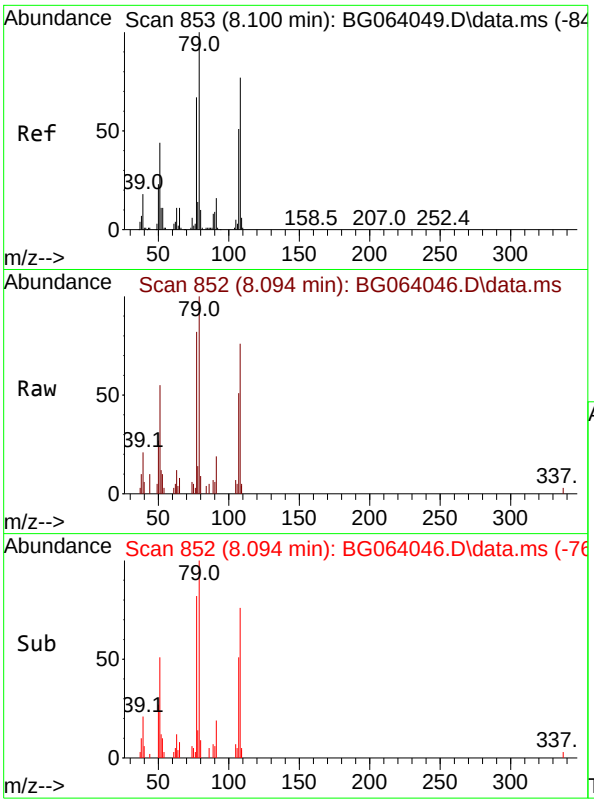


#14
1,2-Dichlorobenzene
Concen: 4.983 ng m
RT: 8.218 min Scan# 873
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:146 Resp: 12410

Ion	Ratio	Lower	Upper
146	100		
148	52.7	50.2	75.2
111	35.0	36.4	54.6#

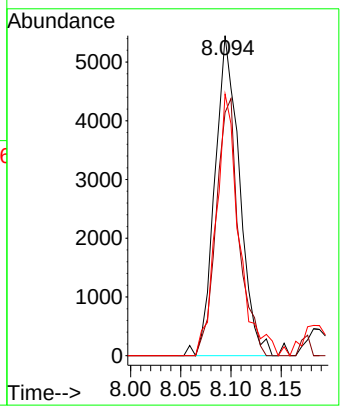




#15
Benzyl Alcohol
Concen: 4.141 ng
RT: 8.094 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 79 Resp: 929

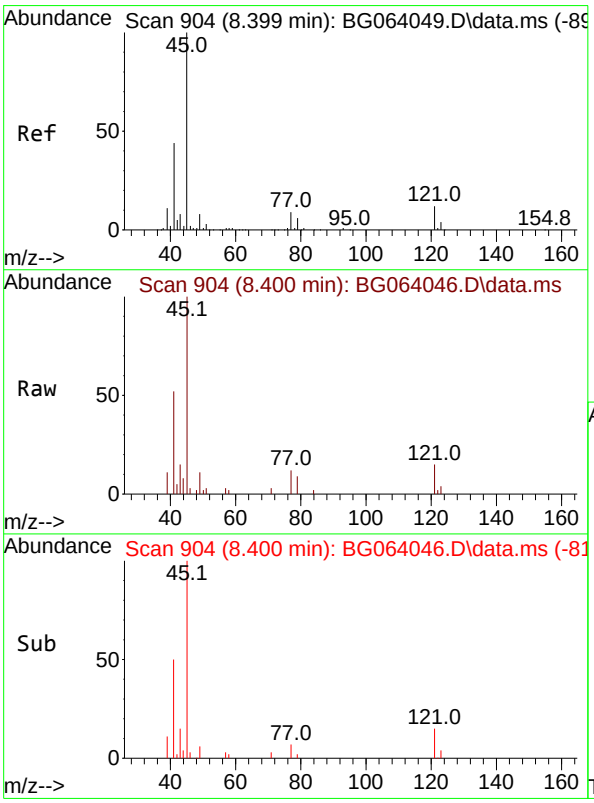
Ion	Ratio	Lower	Upper
79	100		
108	76.0	61.7	92.5
77	81.7	53.9	80.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

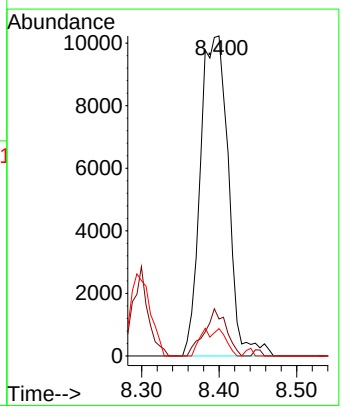
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

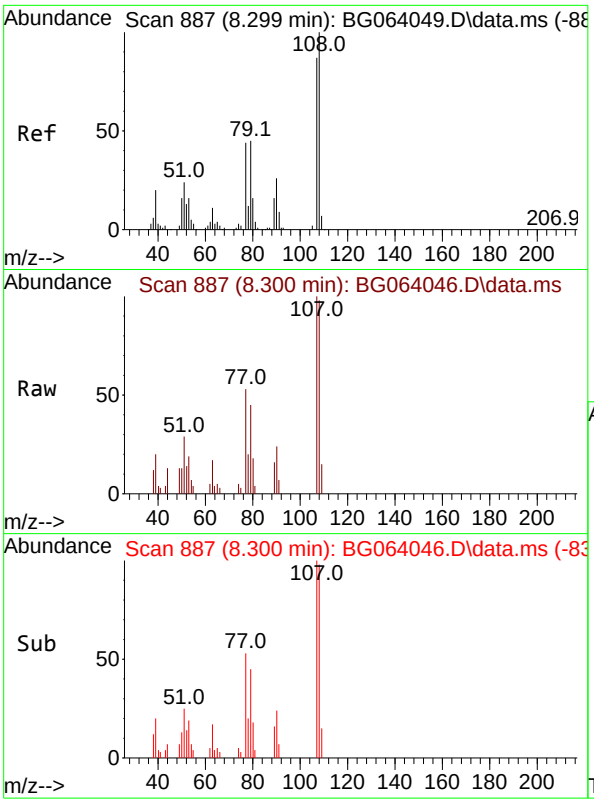


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.872 ng
RT: 8.400 min Scan# 904
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 45 Resp: 25555

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	29.0
79	8.5	0.0	26.6

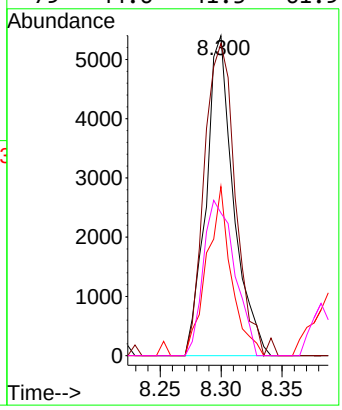




#17
2-Methylphenol
Concen: 4.287 ng
RT: 8.300 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:107 Resp: 846

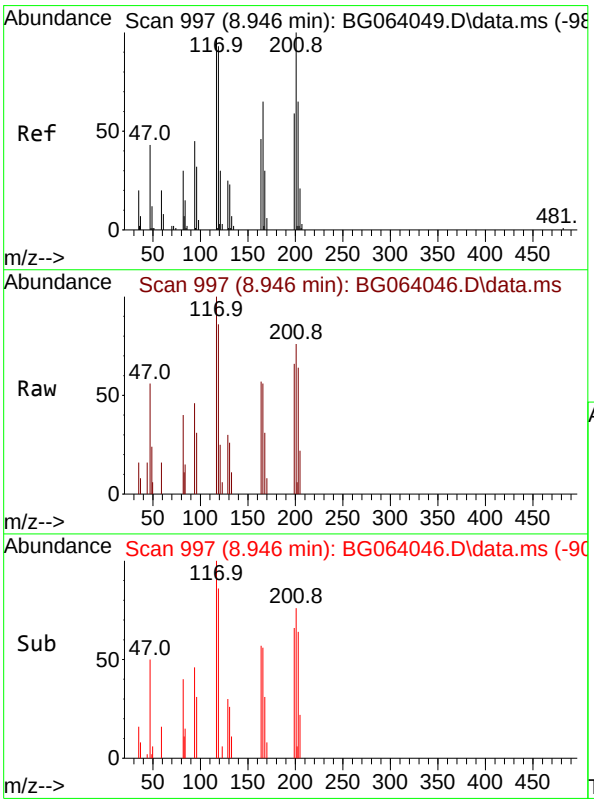
Ion	Ratio	Lower	Upper
107	100		
108	97.5	92.5	138.7
77	52.8	40.5	60.7
79	44.6	41.3	61.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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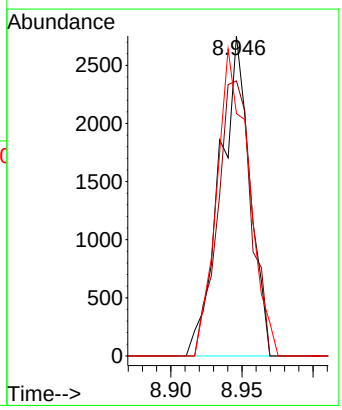
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

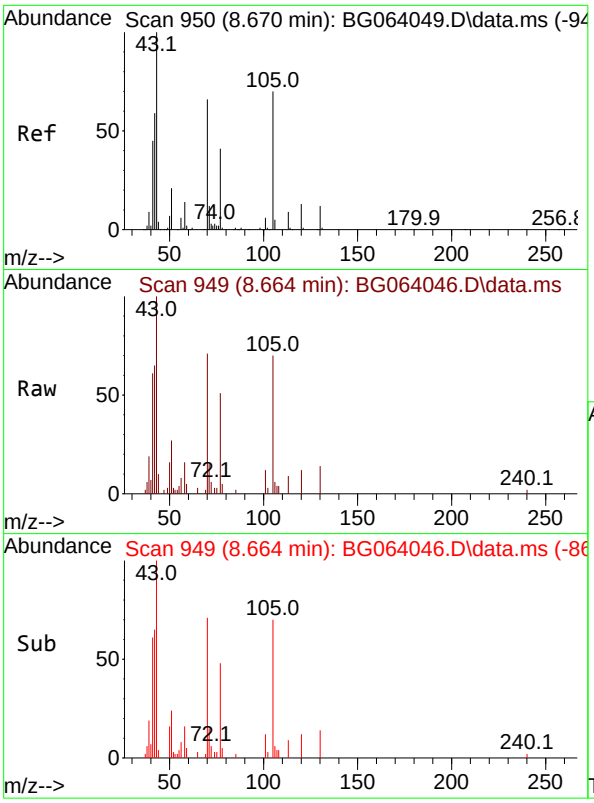


#18
Hexachloroethane
Concen: 4.510 ng
RT: 8.946 min Scan# 997
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:117 Resp: 4075

Ion	Ratio	Lower	Upper
117	100		
119	85.9	76.2	114.2
201	81.9	81.5	122.3

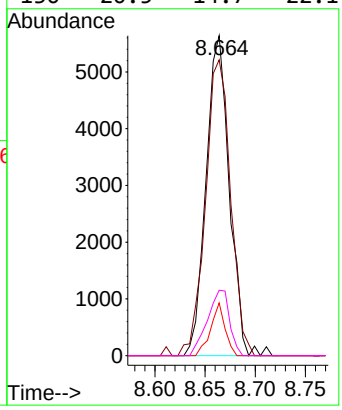




#19
n-Nitroso-di-n-propylamine
Concen: 4.477 ng
RT: 8.664 min Scan# 94
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 70 Resp: 913

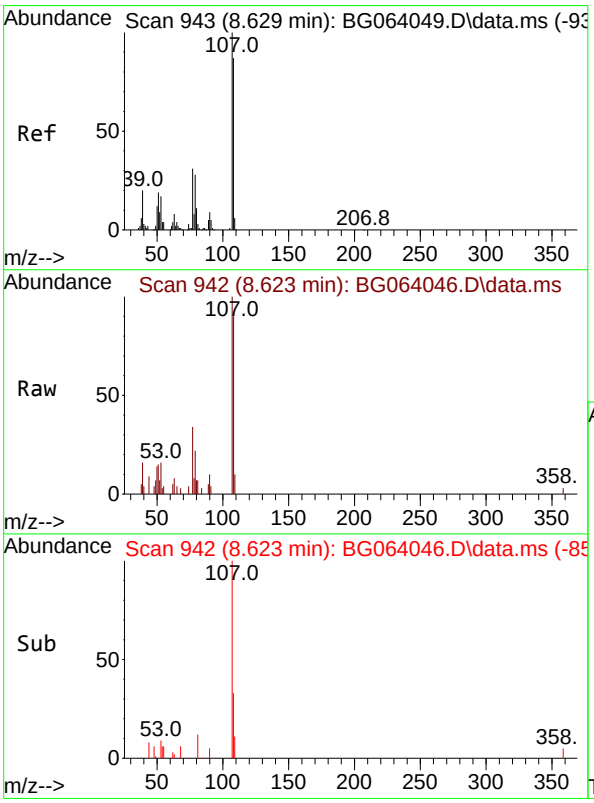
Ion	Ratio	Lower	Upper
70	100		
42	92.5	72.1	108.1
101	16.5	7.2	10.8
130	20.5	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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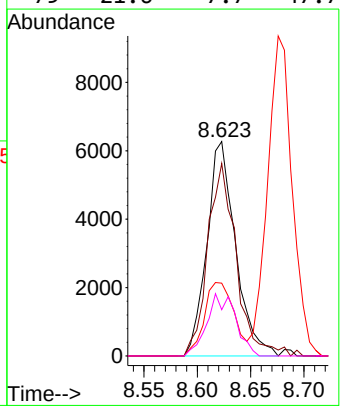
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

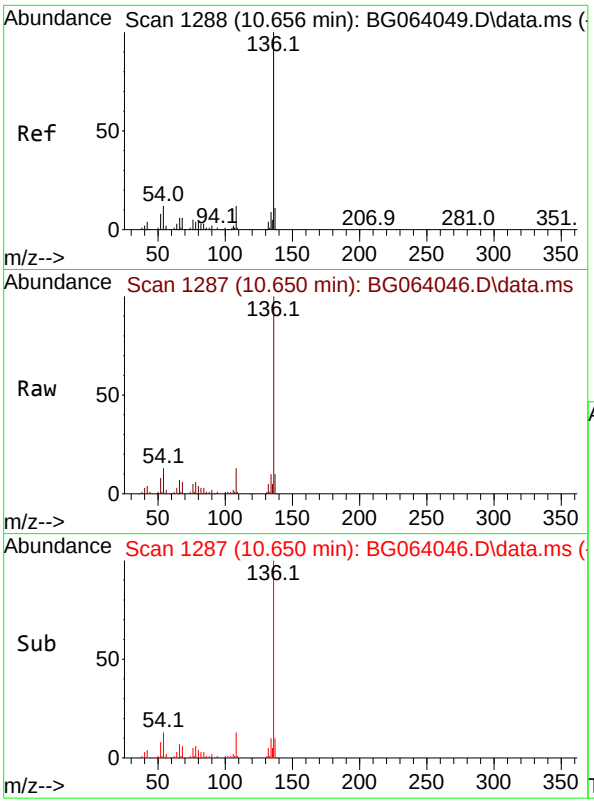


#20
3+4-Methylphenols
Concen: 4.300 ng
RT: 8.623 min Scan# 942
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:107 Resp: 11690

Ion	Ratio	Lower	Upper
107	100		
108	89.8	67.0	107.0
77	33.9	11.2	51.2
79	21.6	7.7	47.7

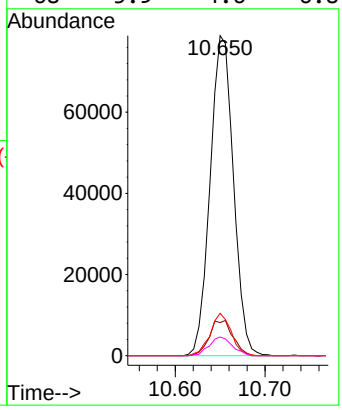




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.650 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:136 Resp: 14201

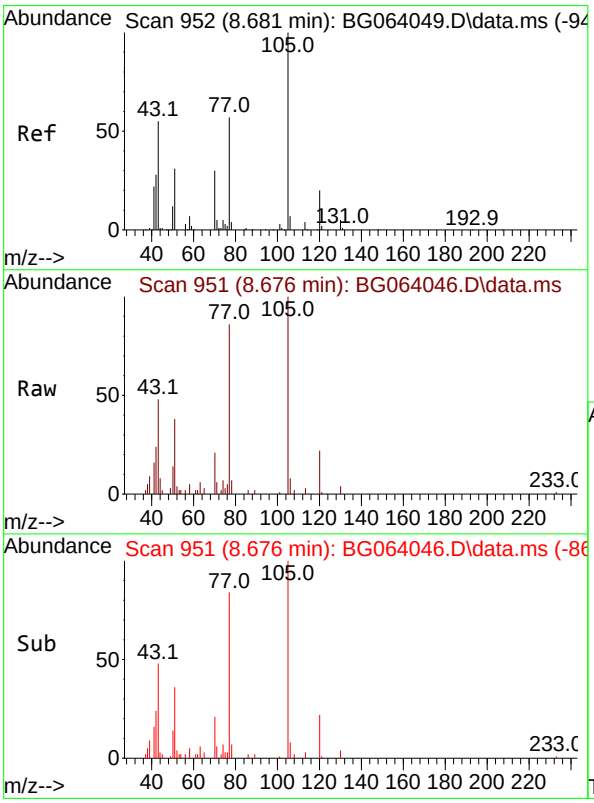
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.5	12.7
54	13.2	9.9	14.9
68	5.9	4.6	6.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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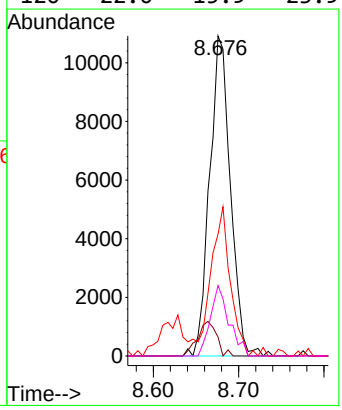
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

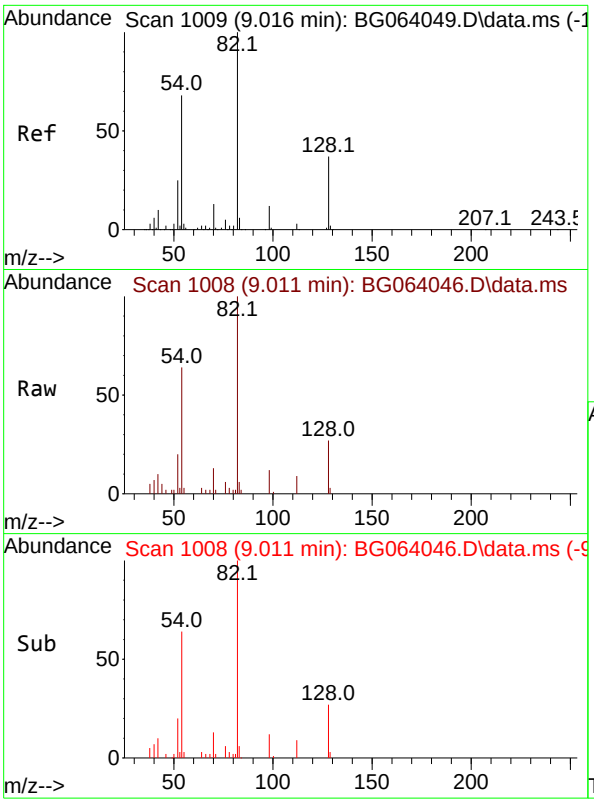


#22
Acetophenone
Concen: 4.761 ng
RT: 8.676 min Scan# 951
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:105 Resp: 18540

Ion	Ratio	Lower	Upper
105	100		
71	5.9	4.2	6.4
51	38.1	33.3	49.9
120	22.0	15.9	23.9

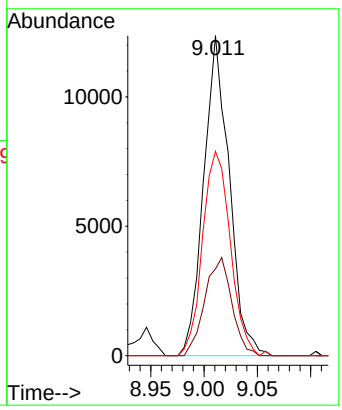




#23
Nitrobenzene-d5
Concen: 8.016 ng
RT: 9.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 82 Resp: 2060

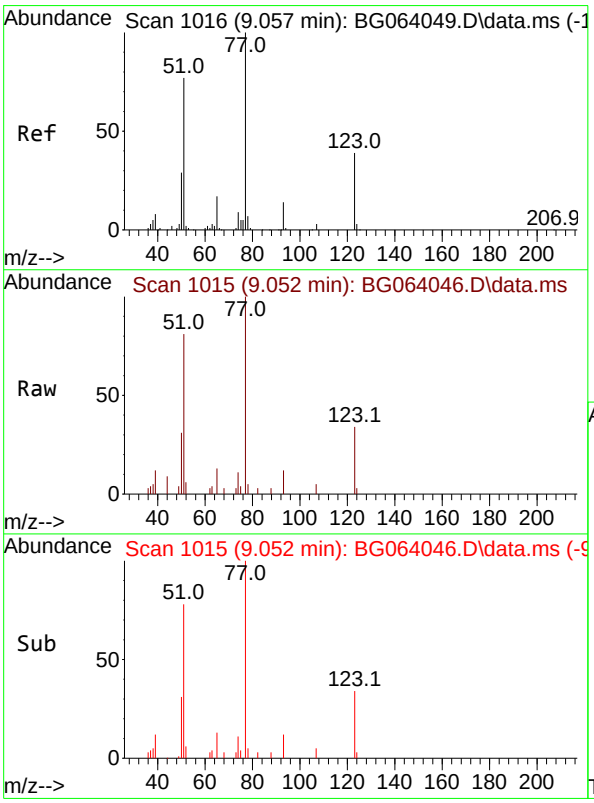
Ion	Ratio	Lower	Upper
82	100		
128	27.2	30.0	45.0#
54	63.8	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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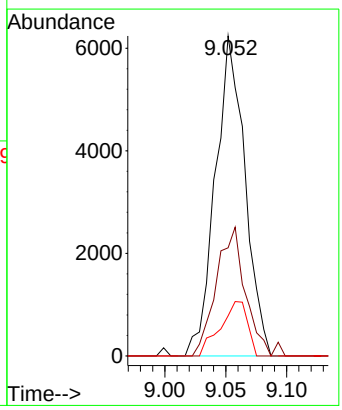
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

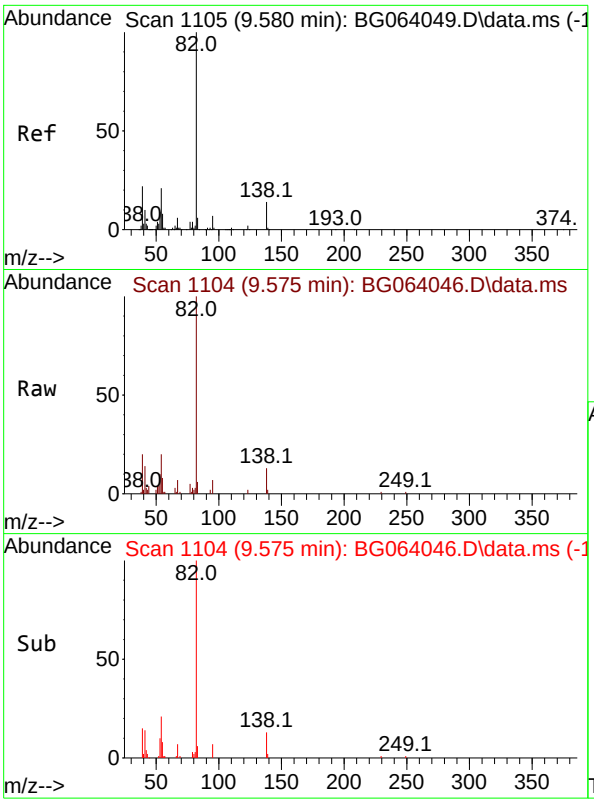


#24
Nitrobenzene
Concen: 3.977 ng
RT: 9.052 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 77 Resp: 10563

Ion	Ratio	Lower	Upper
77	100		
123	33.8	31.4	47.2
65	12.6	13.4	20.0#





#25
Isophorone
Concen: 4.895 ng
RT: 9.575 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

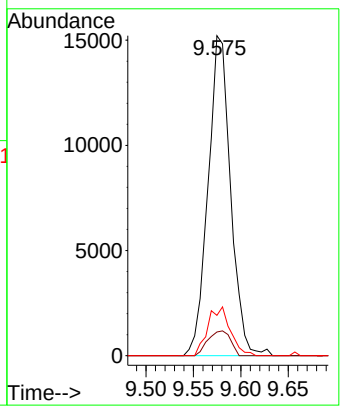
Tgt Ion: 82 Resp: 2517

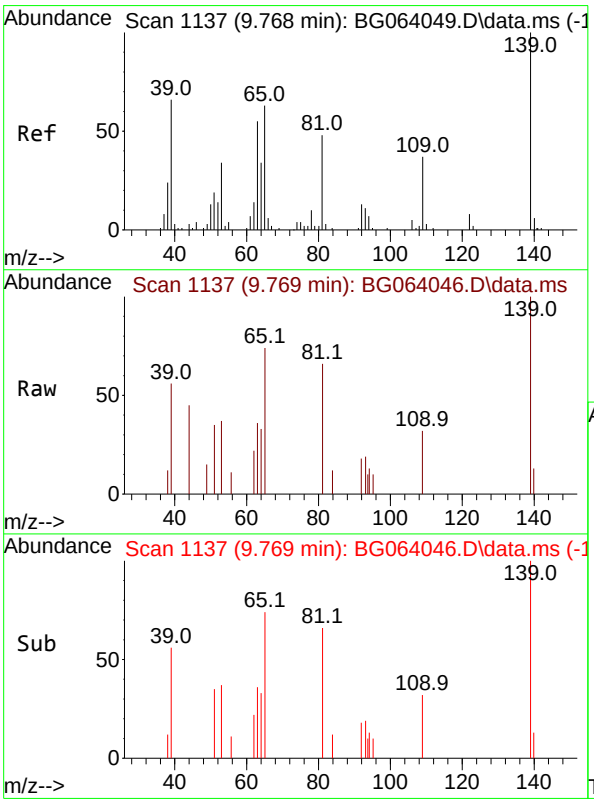
Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.8	8.8
138	12.6	10.9	16.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

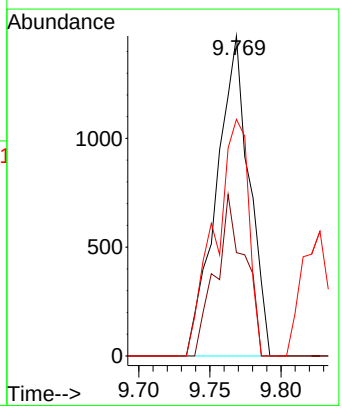


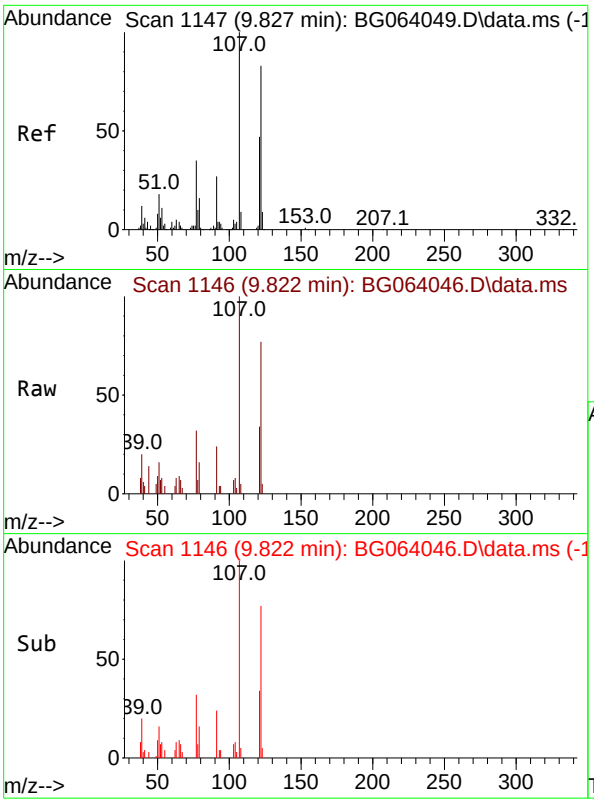


#26
2-Nitrophenol
Concen: 6.094 ng
RT: 9.769 min Scan# 1137
Delta R.T. 0.001 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:139 Resp: 2362

Ion	Ratio	Lower	Upper
139	100		
109	32.3	29.9	44.9
65	74.0	50.6	76.0





#27
2,4-Dimethylphenol
Concen: 4.466 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

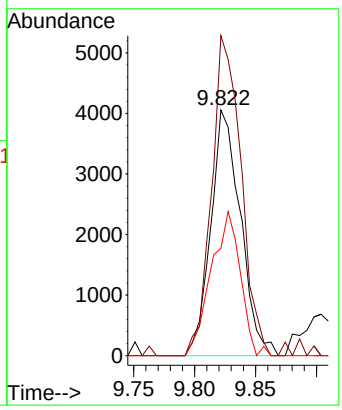
Tgt Ion:122 Resp: 688

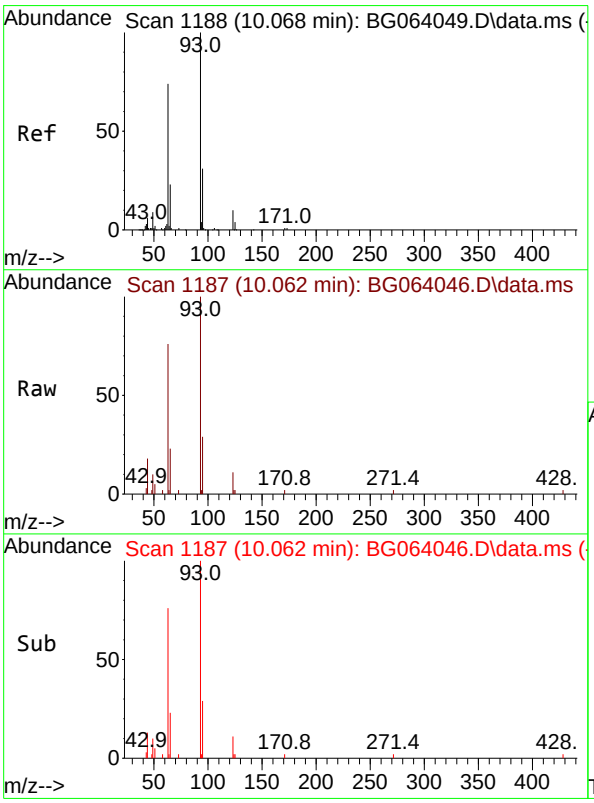
Ion	Ratio	Lower	Upper
122	100		
107	130.3	95.4	143.0
121	43.7	44.9	67.3#

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

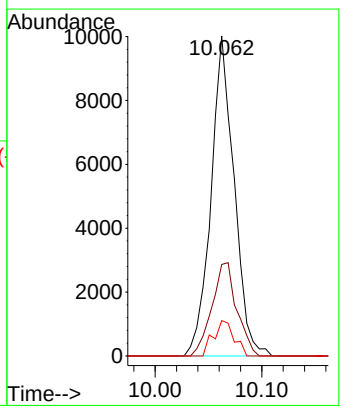


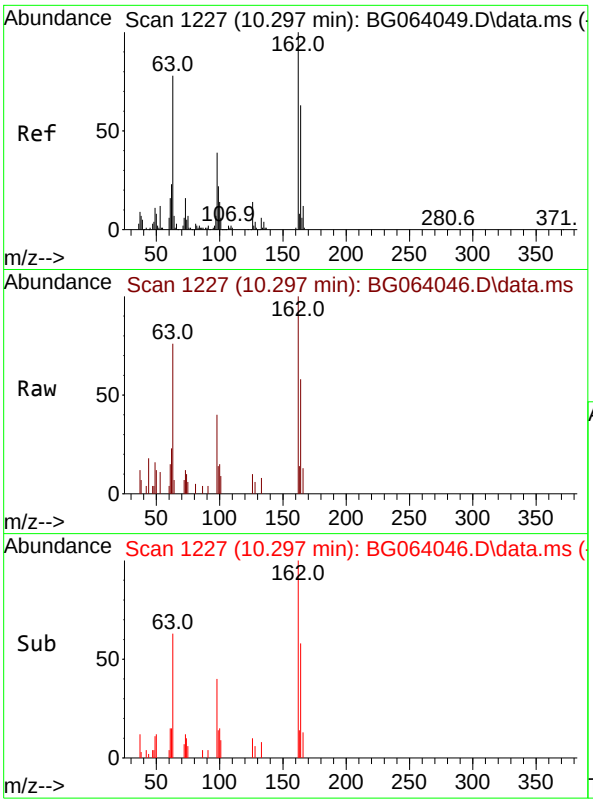


#28
bis(2-Chloroethoxy)methane
Concen: 4.832 ng
RT: 10.062 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 93 Resp: 15067

Ion	Ratio	Lower	Upper
93	100		
95	28.6	25.0	37.4
123	11.1	7.6	11.4

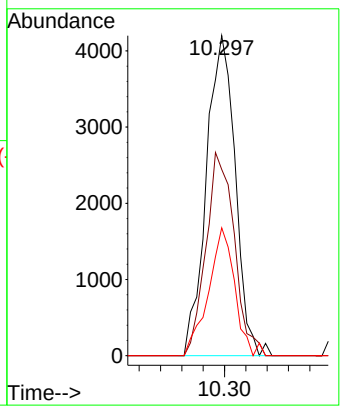




#29
2,4-Dichlorophenol
Concen: 4.056 ng
RT: 10.297 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:162 Resp: 789

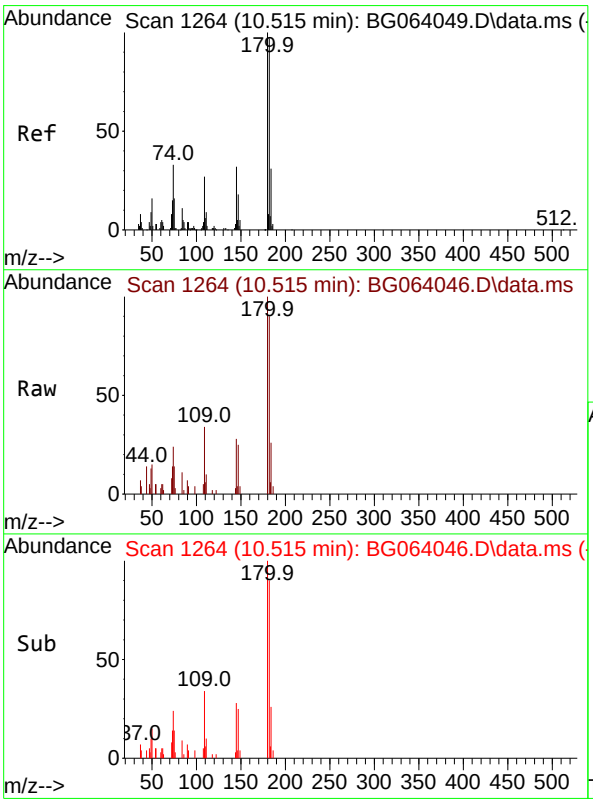
Ion	Ratio	Lower	Upper
162	100		
164	58.2	42.8	82.8
98	40.0	19.1	59.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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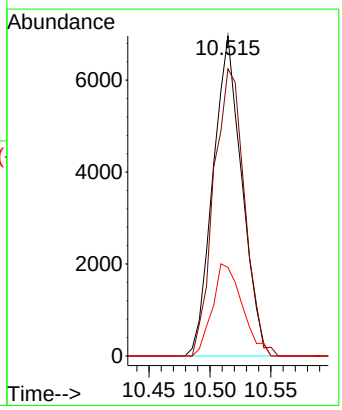
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

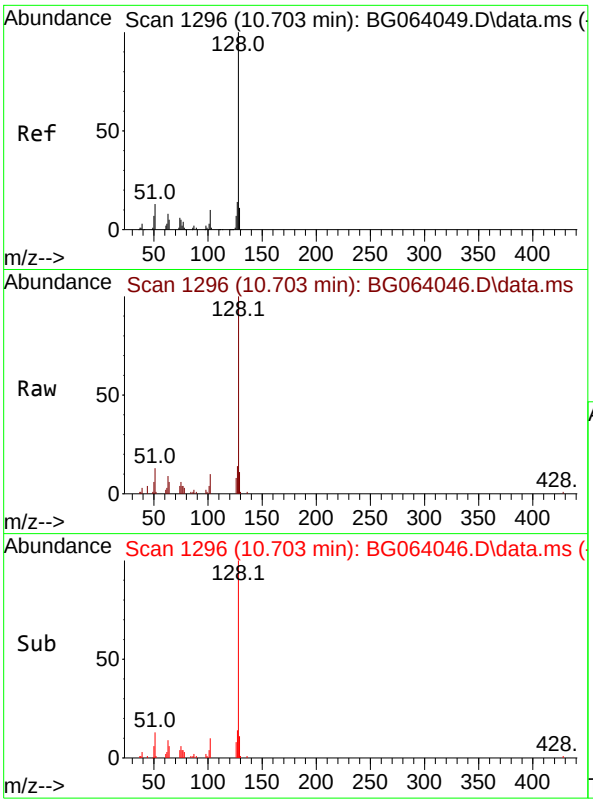


#30
1,2,4-Trichlorobenzene
Concen: 4.884 ng
RT: 10.515 min Scan# 1264
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:180 Resp: 11480

Ion	Ratio	Lower	Upper
180	100		
182	89.7	77.3	115.9
145	27.7	25.2	37.8

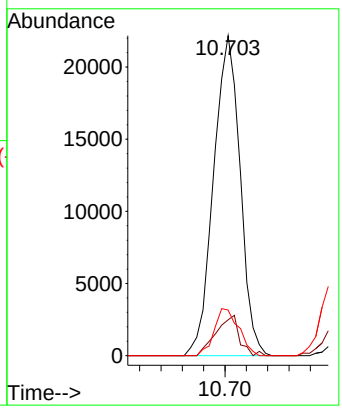




#31
Naphthalene
Concen: 4.999 ng
RT: 10.703 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:128 Resp: 3828

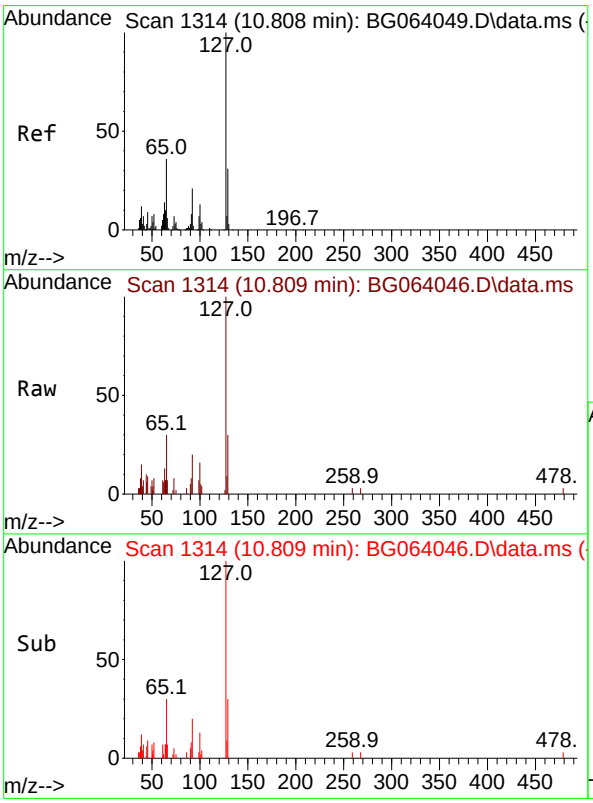
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.4	12.6
127	14.3	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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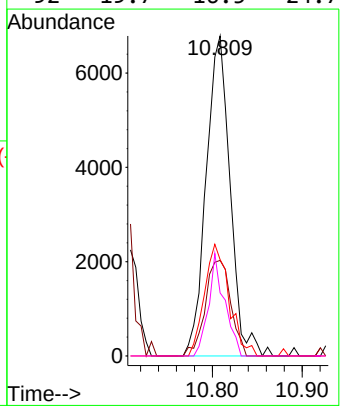
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

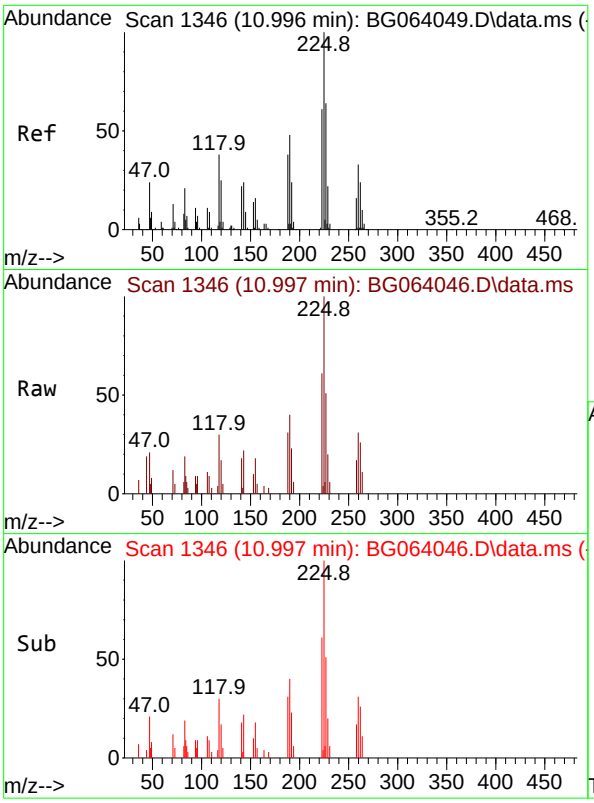


#33
4-Chloroaniline
Concen: 4.499 ng
RT: 10.809 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:127 Resp: 12591

Ion	Ratio	Lower	Upper
127	100		
129	29.8	25.0	37.4
65	30.1	28.5	42.7
92	19.7	16.5	24.7

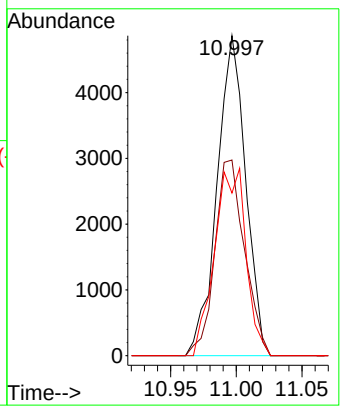




#34
Hexachlorobutadiene
Concen: 4.786 ng
RT: 10.997 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:225 Resp: 737

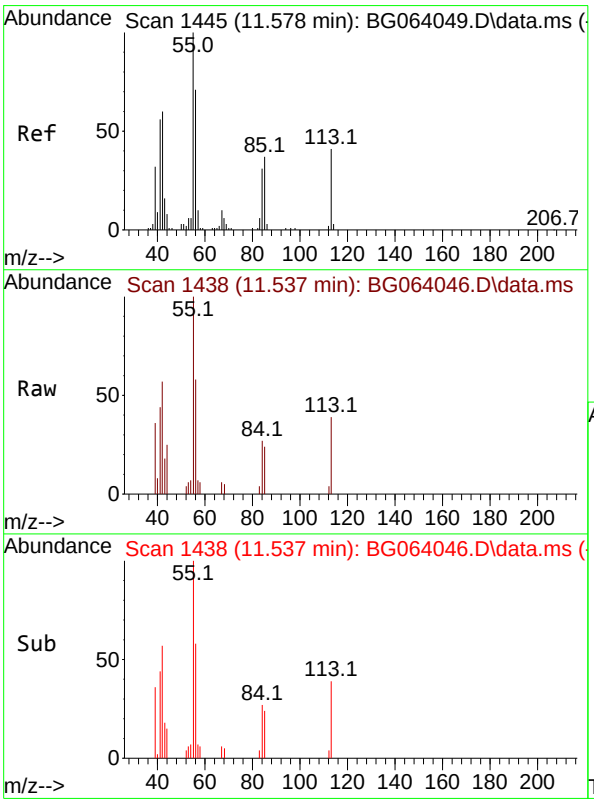
Ion	Ratio	Lower	Upper
225	100		
223	61.2	48.5	72.7
227	50.8	51.0	76.6#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

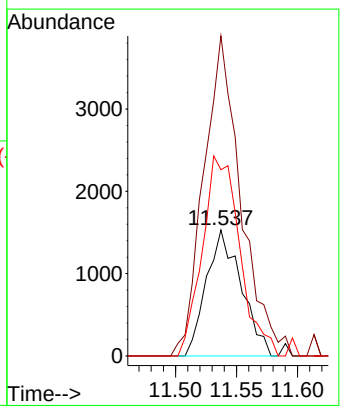
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

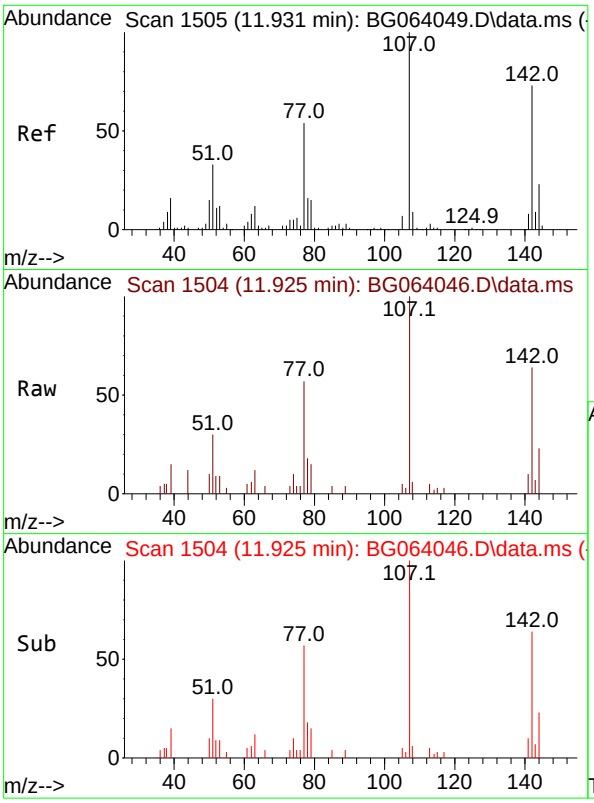


#35
Caprolactam
Concen: 4.090 ng
RT: 11.537 min Scan# 1438
Delta R.T. -0.041 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:113 Resp: 3052

Ion	Ratio	Lower	Upper
113	100		
55	254.1	225.2	265.2
56	147.8	153.4	193.4#

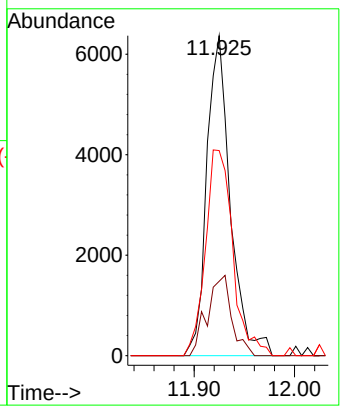




#36
4-Chloro-3-methylphenol
Concen: 4.078 ng
RT: 11.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:107 Resp: 1040

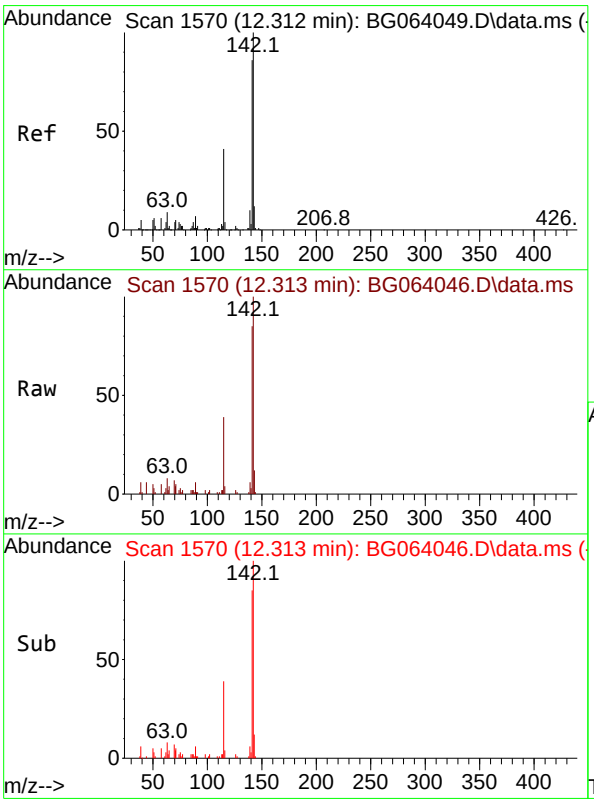
Ion	Ratio	Lower	Upper
107	100		
144	23.2	18.6	28.0
142	64.1	58.0	87.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

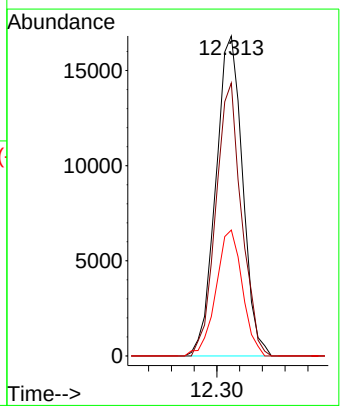
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

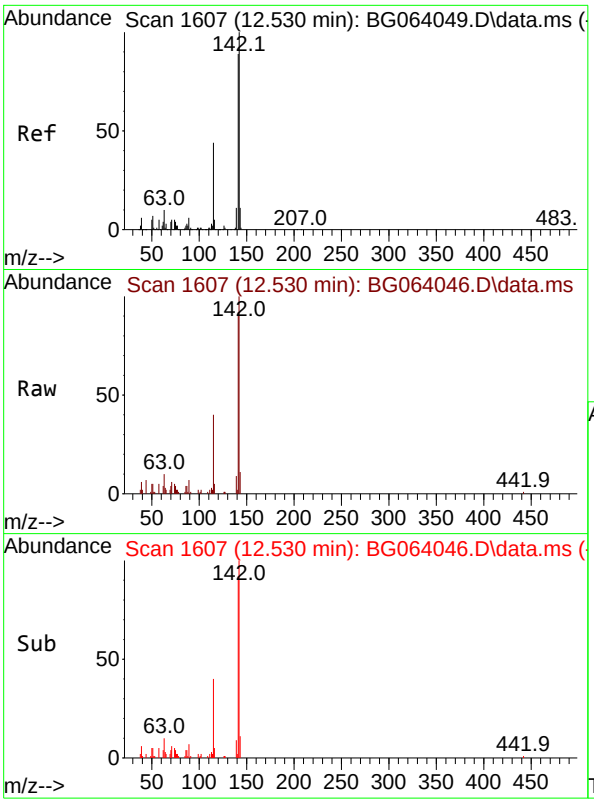


#37
2-Methylnaphthalene
Concen: 5.093 ng
RT: 12.313 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:142 Resp: 27533

Ion	Ratio	Lower	Upper
142	100		
141	85.3	68.6	103.0
115	39.4	32.8	49.2

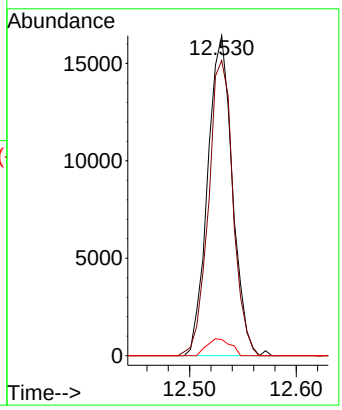




#38
1-Methylnaphthalene
Concen: 4.995 ng
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:142 Resp: 2645

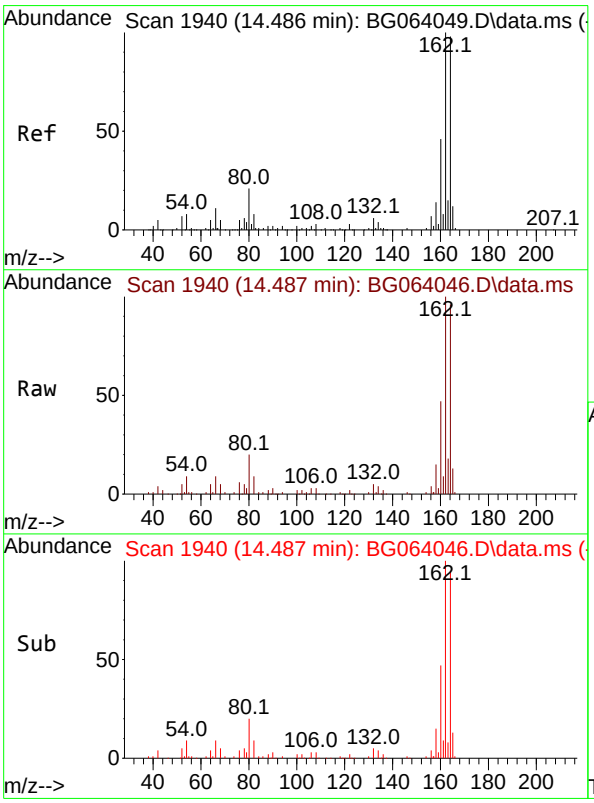
Ion	Ratio	Lower	Upper
142	100		
141	92.2	71.2	106.8
116	5.0	3.6	5.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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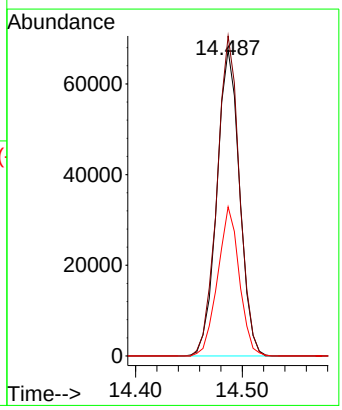
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

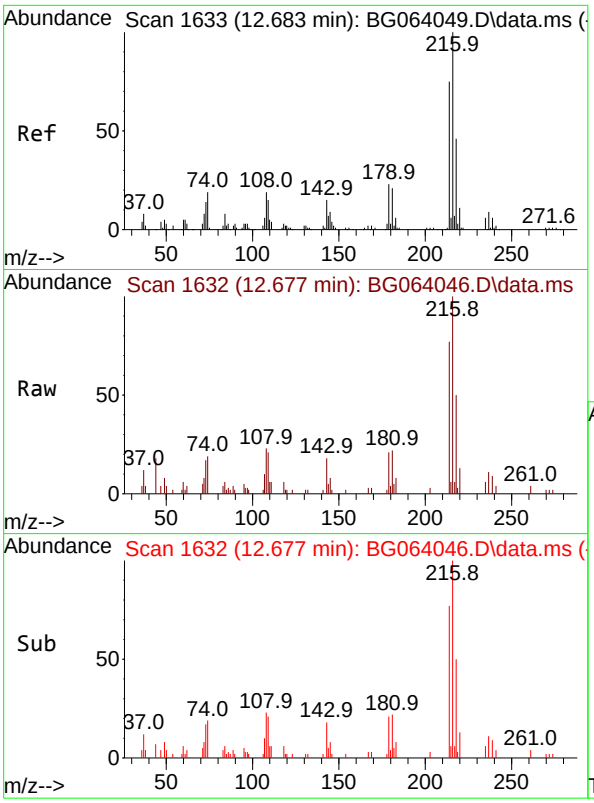


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.487 min Scan# 1940
Delta R.T. 0.001 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:164 Resp: 99722

Ion	Ratio	Lower	Upper
164	100		
162	104.5	81.4	122.0
160	48.7	37.0	55.6

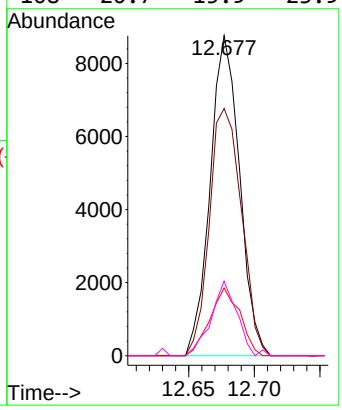




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.789 ng
RT: 12.677 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:216 Resp: 1363

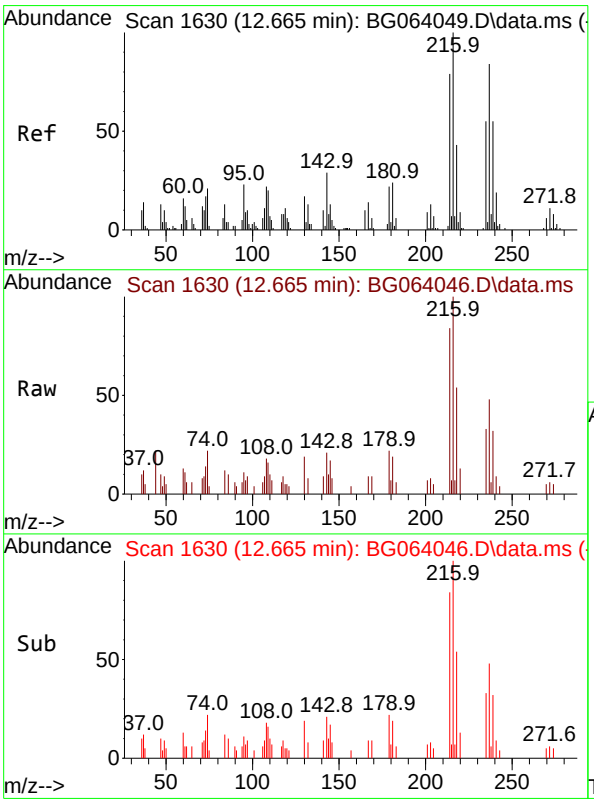
Ion	Ratio	Lower	Upper
216	100		
214	84.2	61.7	92.5
179	21.6	17.9	26.9
108	20.7	15.9	23.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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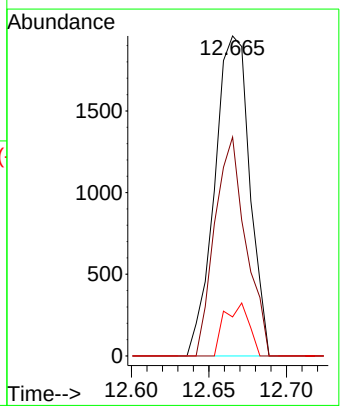
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

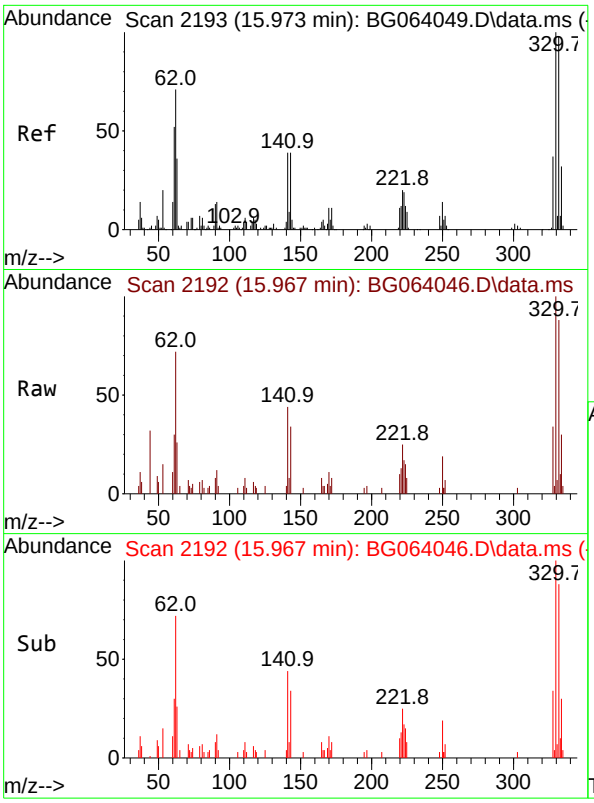


#41
Hexachlorocyclopentadiene
Concen: 3.841 ng
RT: 12.665 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:237 Resp: 3078

Ion	Ratio	Lower	Upper
237	100		
235	68.4	46.0	86.0
272	12.2	0.0	32.8

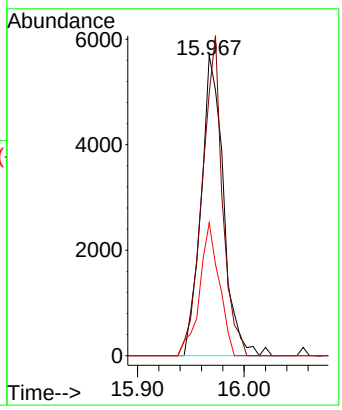




#42
2,4,6-Tribromophenol
Concen: 7.487 ng
RT: 15.967 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:330 Resp: 829

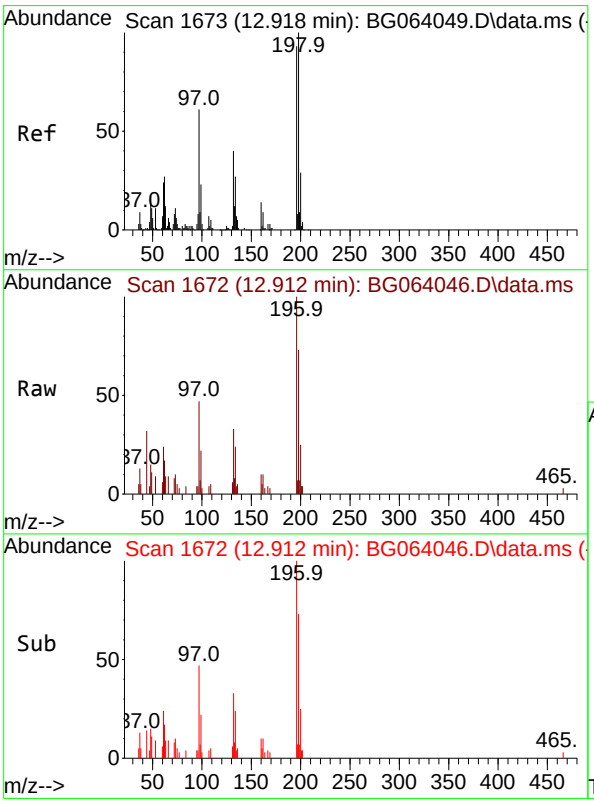
Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.7	115.1
141	38.7	29.7	44.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

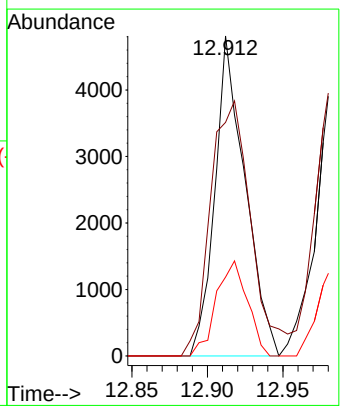
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

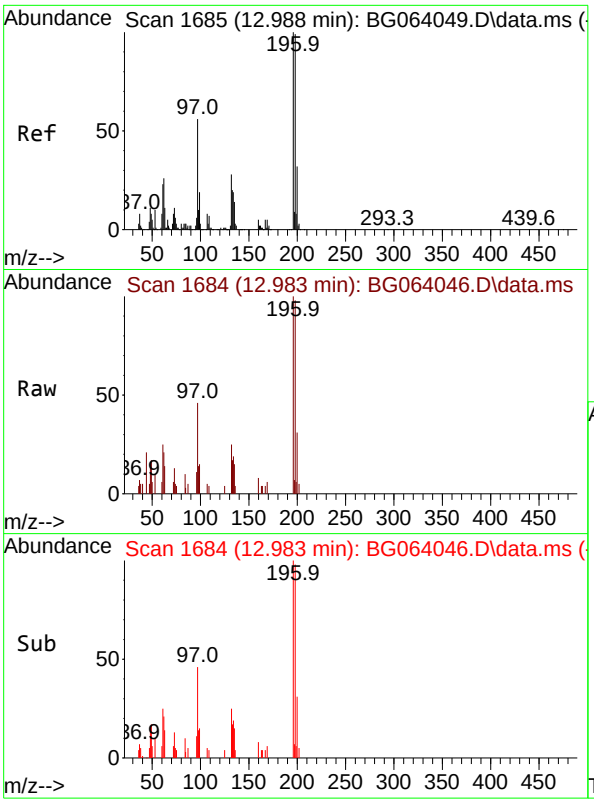


#43
2,4,6-Trichlorophenol
Concen: 3.983 ng m
RT: 12.912 min Scan# 1672
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:196 Resp: 6684

Ion	Ratio	Lower	Upper
196	100		
198	73.0	85.6	128.4#
200	24.6	24.6	37.0

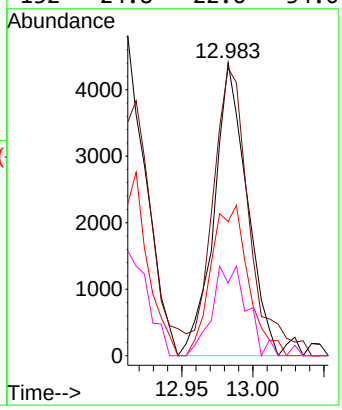




#44
2,4,5-Trichlorophenol
Concen: 3.804 ng
RT: 12.983 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:196 Resp: 709

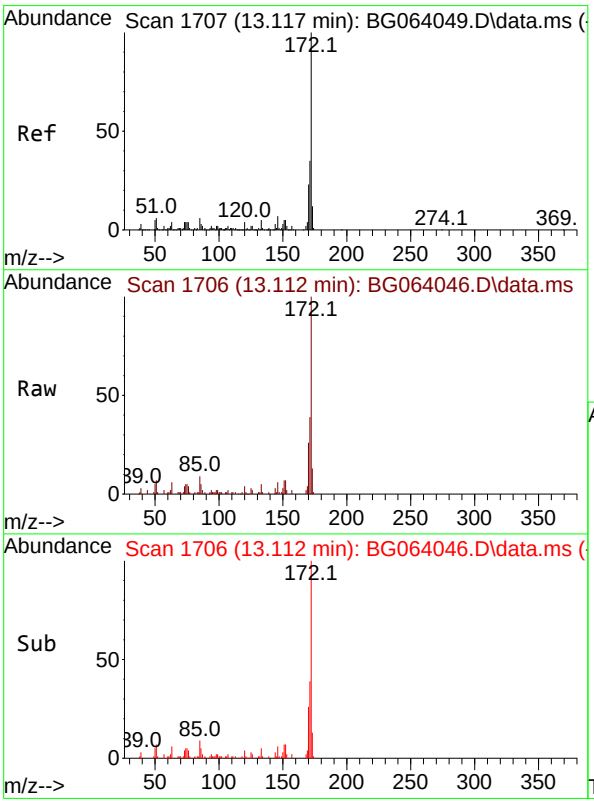
Ion	Ratio	Lower	Upper
196	100		
198	98.2	79.5	119.3
97	45.7	45.2	67.8
132	24.8	22.6	34.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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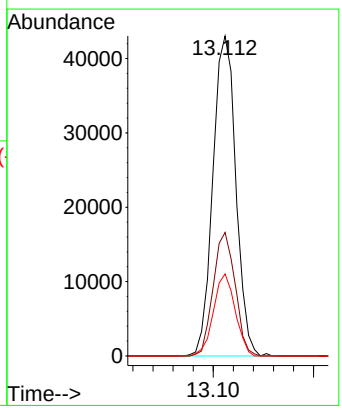
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

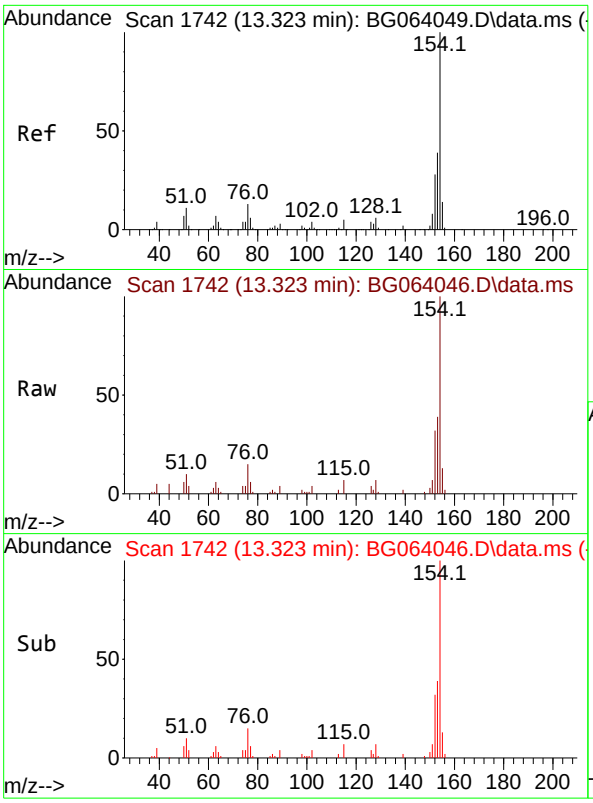


#45
2-Fluorobiphenyl
Concen: 10.386 ng
RT: 13.112 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:172 Resp: 68235

Ion	Ratio	Lower	Upper
172	100		
171	38.6	28.0	42.0
170	25.7	18.7	28.1

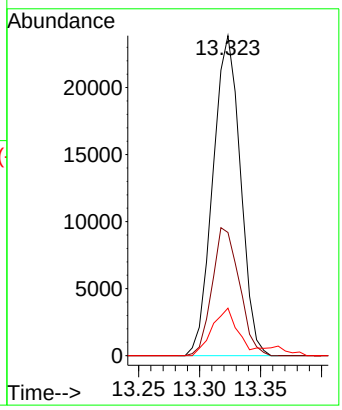




#46
1,1'-Biphenyl
Concen: 4.984 ng
RT: 13.323 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:154 Resp: 3755

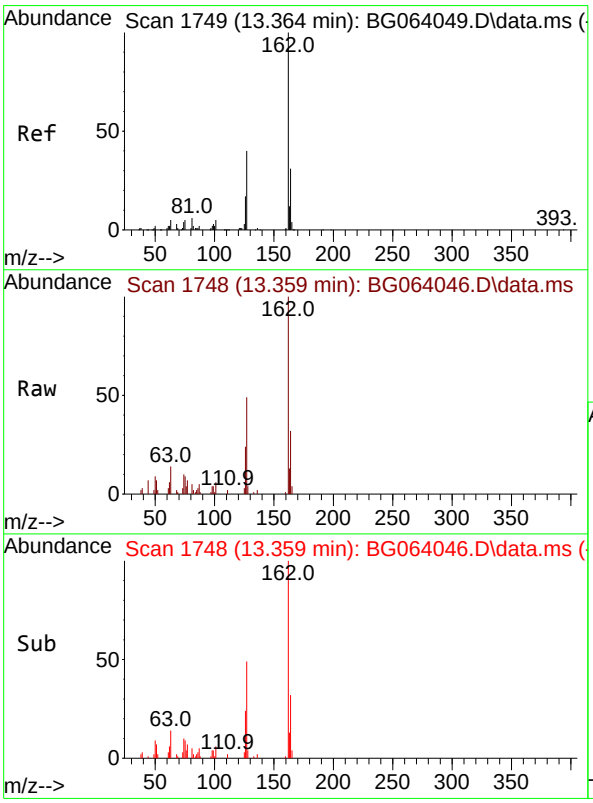
Ion	Ratio	Lower	Upper
154	100		
153	38.5	19.5	59.5
76	14.8	0.0	33.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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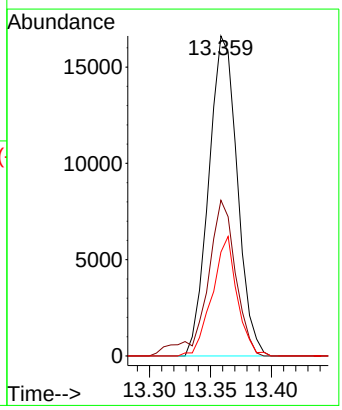
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

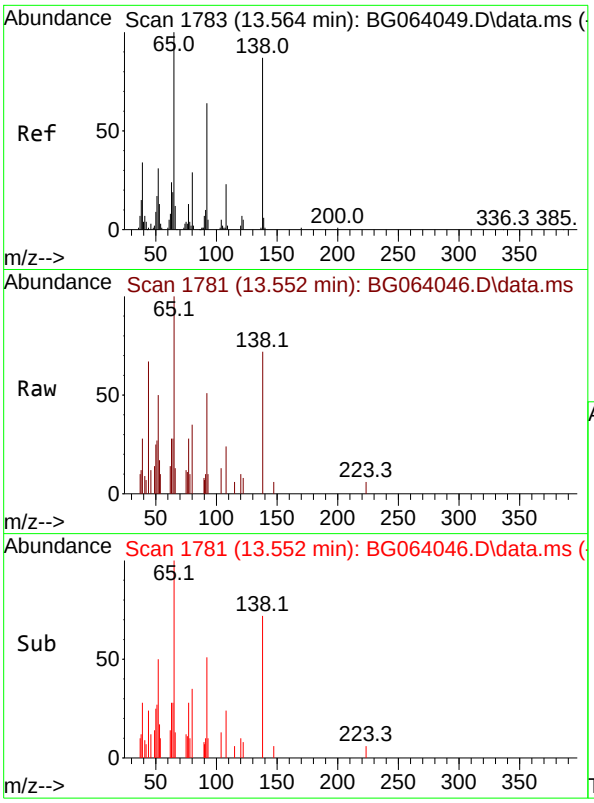


#47
2-Chloronaphthalene
Concen: 4.928 ng
RT: 13.359 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:162 Resp: 27076

Ion	Ratio	Lower	Upper
162	100		
127	48.7	35.0	52.4
164	32.4	25.0	37.6

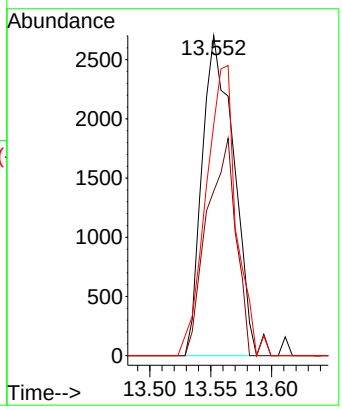




#48
2-Nitroaniline
Concen: 6.075 ng
RT: 13.552 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 65 Resp: 490

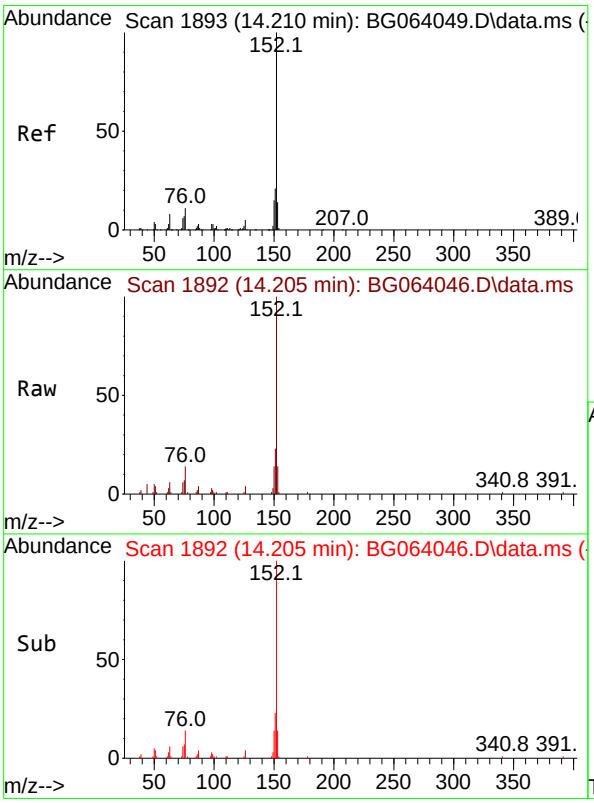
Ion	Ratio	Lower	Upper
65	100		
92	51.4	51.2	76.8
138	72.2	69.4	104.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

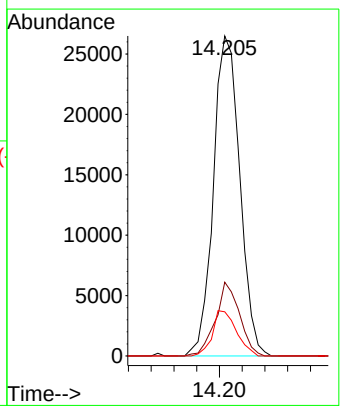
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

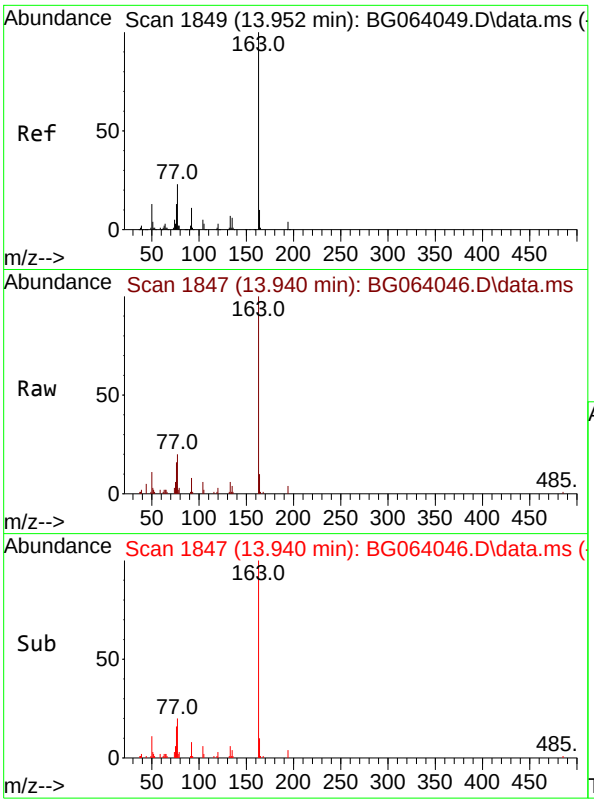


#49
Acenaphthylene
Concen: 4.917 ng
RT: 14.205 min Scan# 1892
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:152 Resp: 42736

Ion	Ratio	Lower	Upper
152	100		
151	23.1	16.4	24.6
153	13.8	10.9	16.3





#50
Dimethylphthalate
Concen: 4.849 ng
RT: 13.940 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

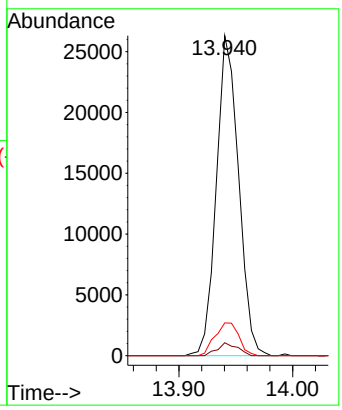
Tgt Ion:163 Resp: 3569

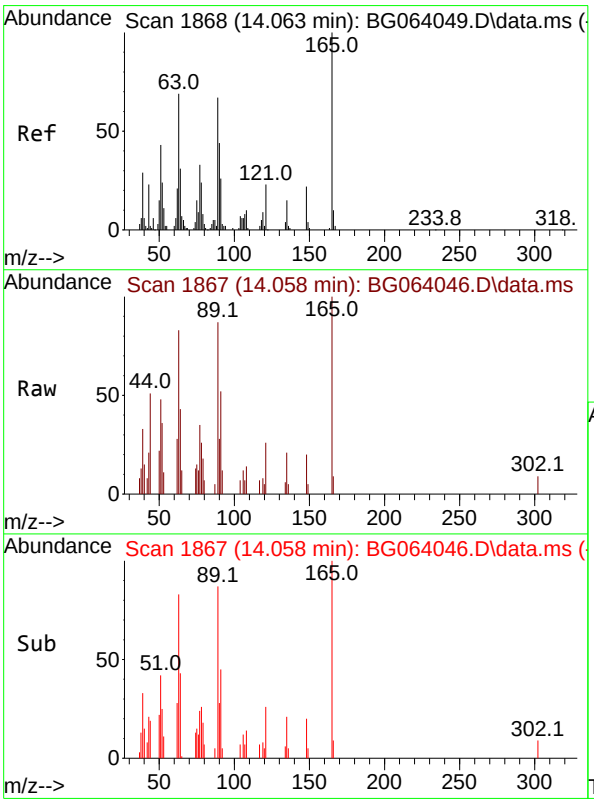
Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.8	4.2
164	10.2	8.2	12.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

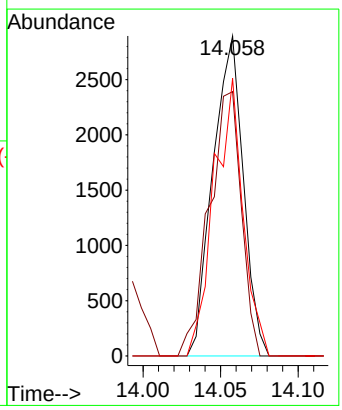


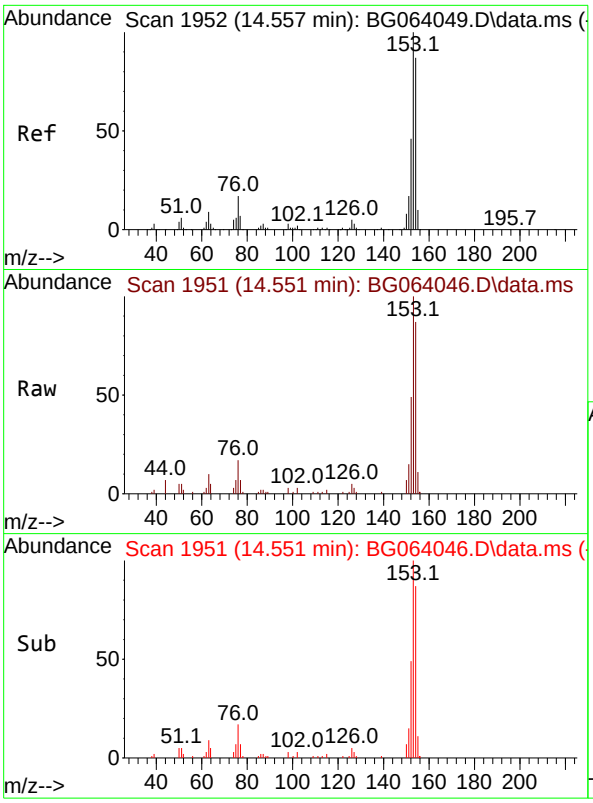


#51
2,6-Dinitrotoluene
Concen: 5.812 ng
RT: 14.058 min Scan# 1867
Delta R.T. -0.005 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:165 Resp: 3942

Ion	Ratio	Lower	Upper
165	100		
63	82.6	56.7	85.1
89	86.8	53.7	80.5#

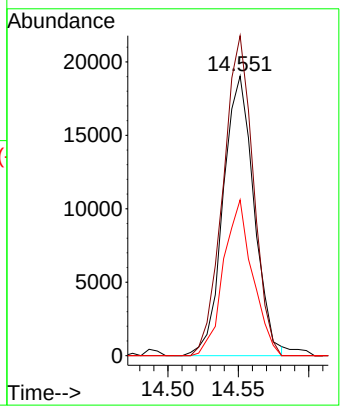




#52
Acenaphthene
Concen: 4.969 ng m
RT: 14.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:154 Resp: 2904

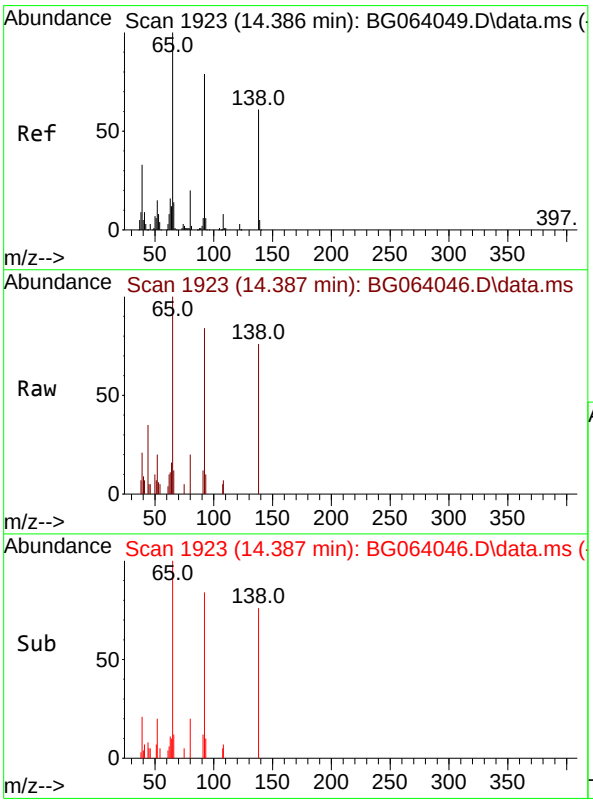
Ion	Ratio	Lower	Upper
154	100		
153	114.4	91.6	137.4
152	55.7	42.5	63.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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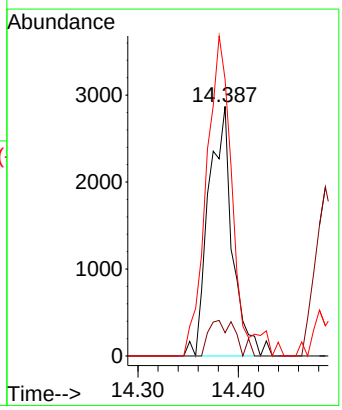
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

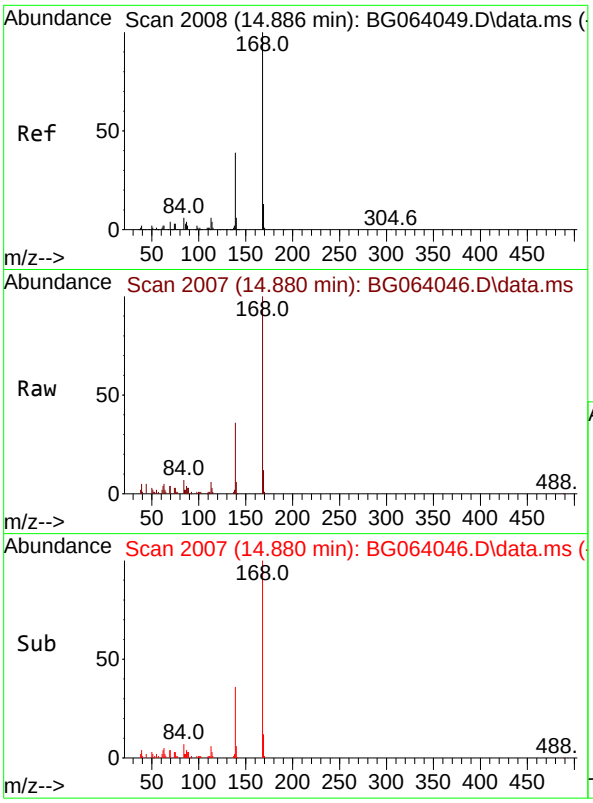


#53
3-Nitroaniline
Concen: 3.329 ng
RT: 14.387 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:138 Resp: 4736

Ion	Ratio	Lower	Upper
138	100		
108	9.3	10.1	15.1#
92	110.9	104.1	156.1

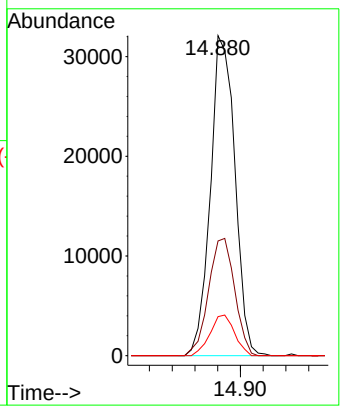




#55
Dibenzofuran
Concen: 5.080 ng
RT: 14.880 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:168 Resp: 4800

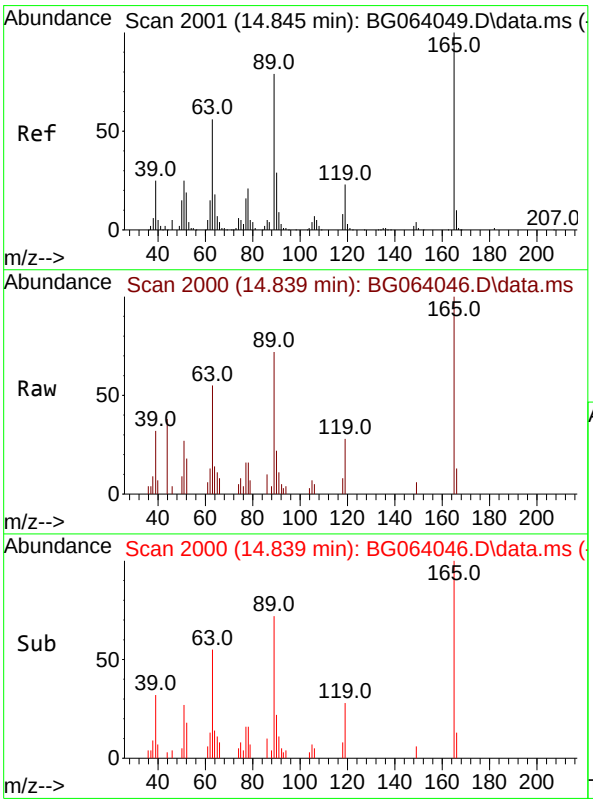
Ion	Ratio	Lower	Upper
168	100		
139	35.8	31.1	46.7
169	12.2	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

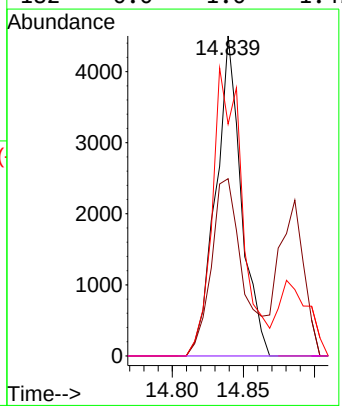
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

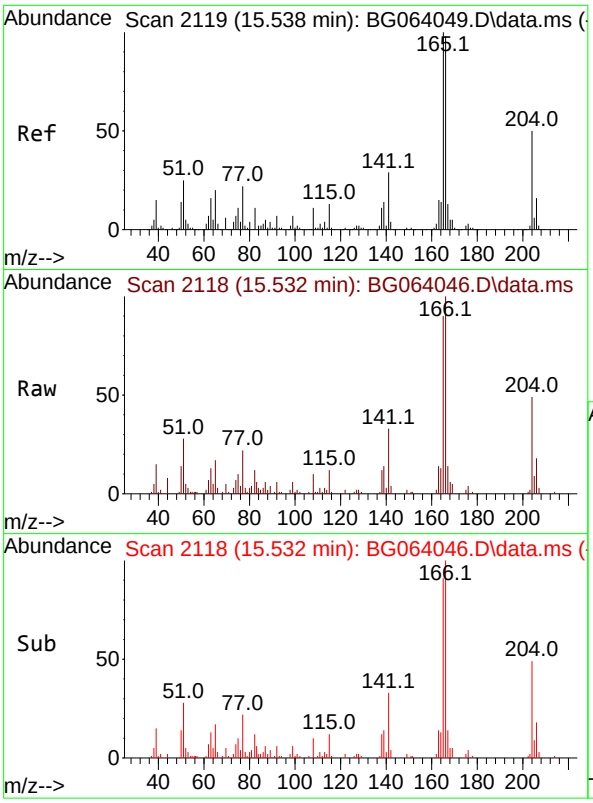


#57
2,4-Dinitrotoluene
Concen: 6.165 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:165 Resp: 5618

Ion	Ratio	Lower	Upper
165	100		
63	55.4	45.0	67.6
89	72.5	63.1	94.7
182	0.0	1.0	1.4#

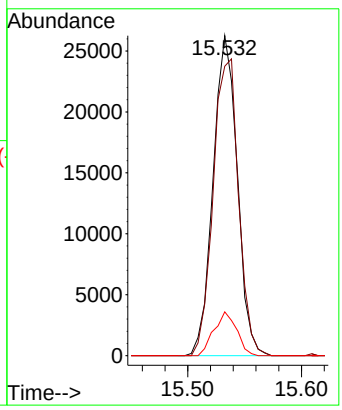




#58
Fluorene
Concen: 5.269 ng
RT: 15.532 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:166 Resp: 3877

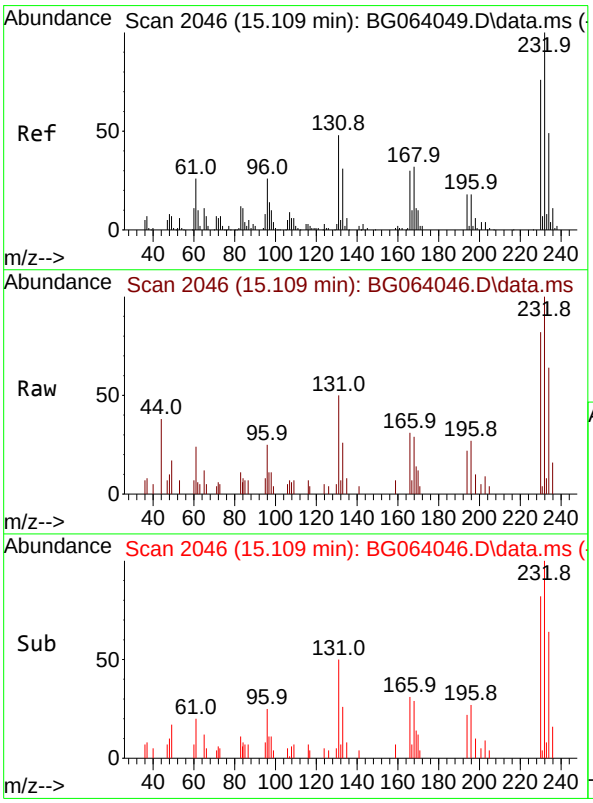
Ion	Ratio	Lower	Upper
166	100		
165	90.4	81.8	122.8
167	13.7	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

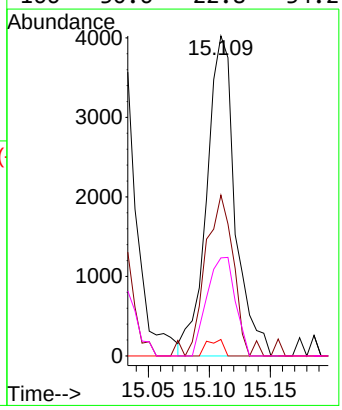
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

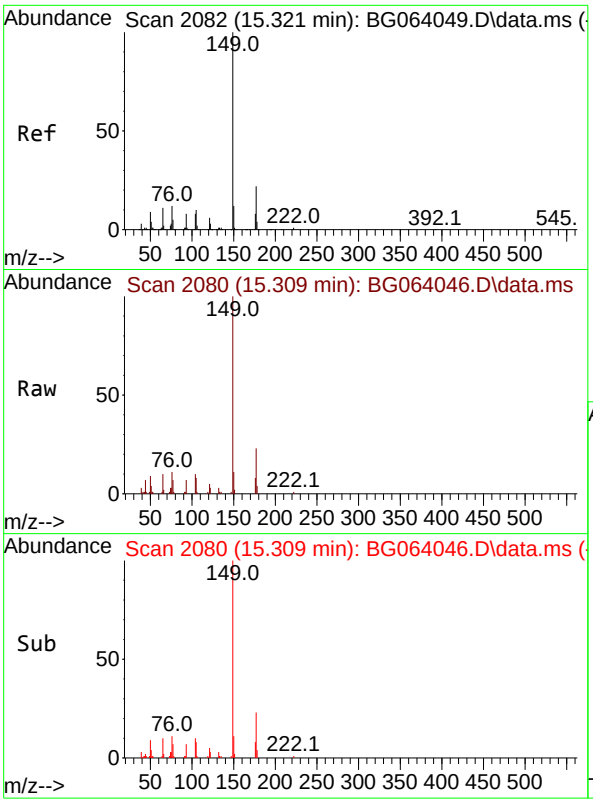


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.597 ng
RT: 15.109 min Scan# 2046
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:232 Resp: 6538

Ion	Ratio	Lower	Upper
232	100		
131	50.2	36.3	54.5
130	3.0	1.9	2.9#
166	30.6	22.8	34.2

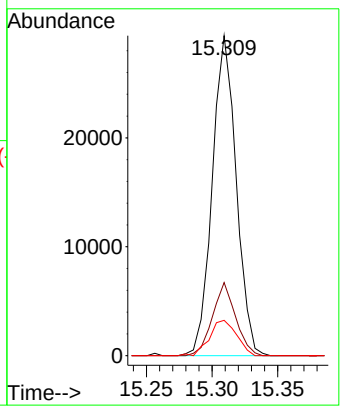




#60
Diethylphthalate
Concen: 4.666 ng
RT: 15.309 min Scan# 2
Delta R.T. -0.011 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:149 Resp: 3728

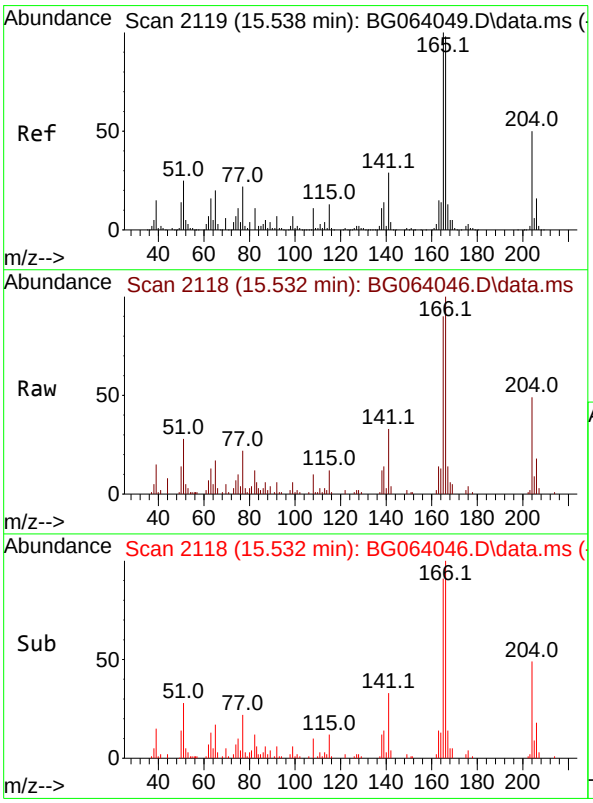
Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.4	26.2
150	11.0	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

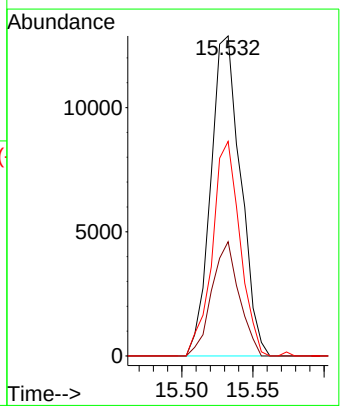
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

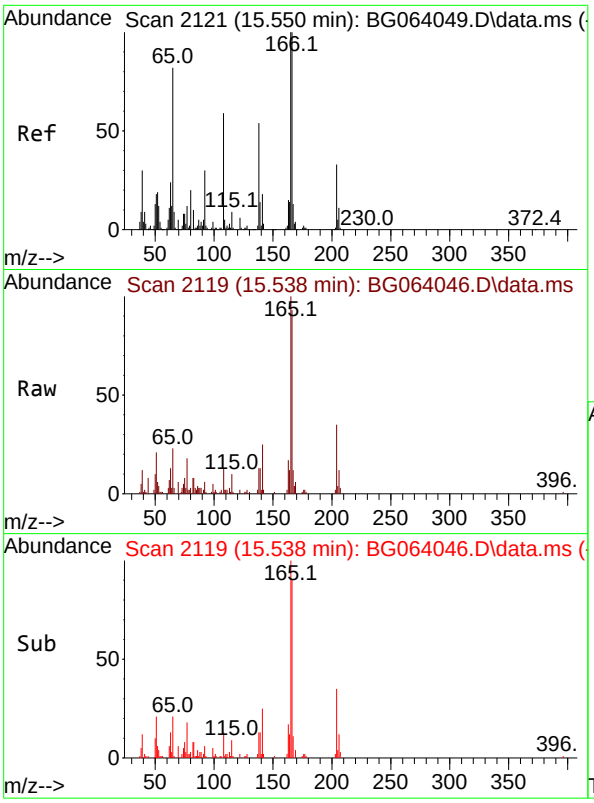


#61
4-Chlorophenyl-phenylether
Concen: 5.142 ng
RT: 15.532 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:204 Resp: 18807

Ion	Ratio	Lower	Upper
204	100		
206	35.7	25.5	38.3
141	67.1	45.4	68.0

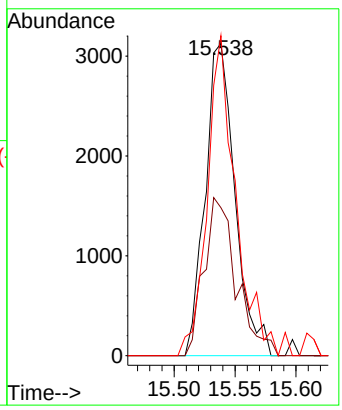




#62
4-Nitroaniline
Concen: 3.460 ng
RT: 15.538 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:138 Resp: 5314

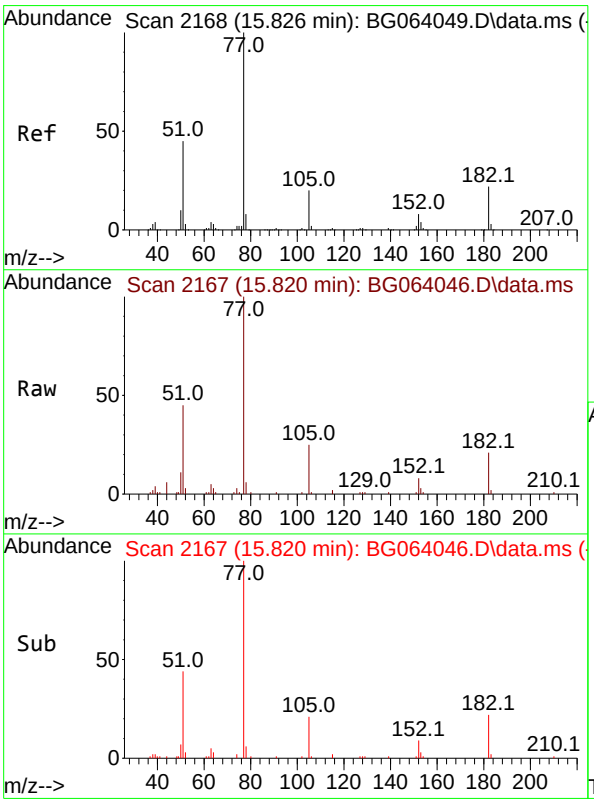
Ion	Ratio	Lower	Upper
138	100		
92	47.4	36.1	76.1
108	102.5	87.9	127.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

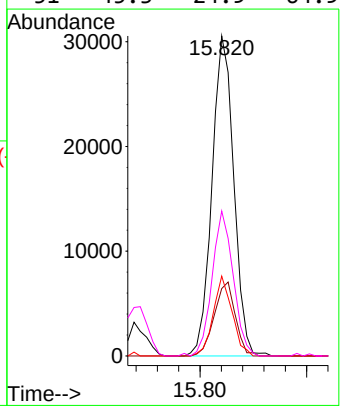
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

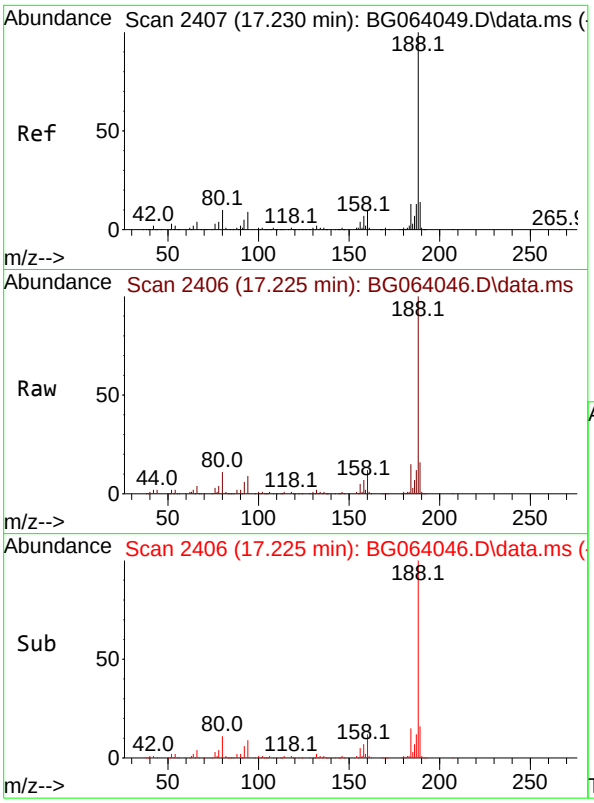


#63
Azobenzene
Concen: 5.070 ng
RT: 15.820 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 77 Resp: 43236

Ion	Ratio	Lower	Upper
77	100		
182	21.1	2.4	42.4
105	25.0	0.0	40.0
51	45.3	24.9	64.9

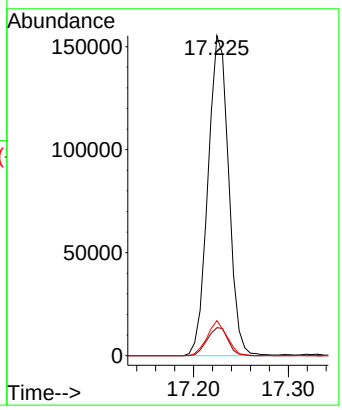




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:188 Resp: 23486

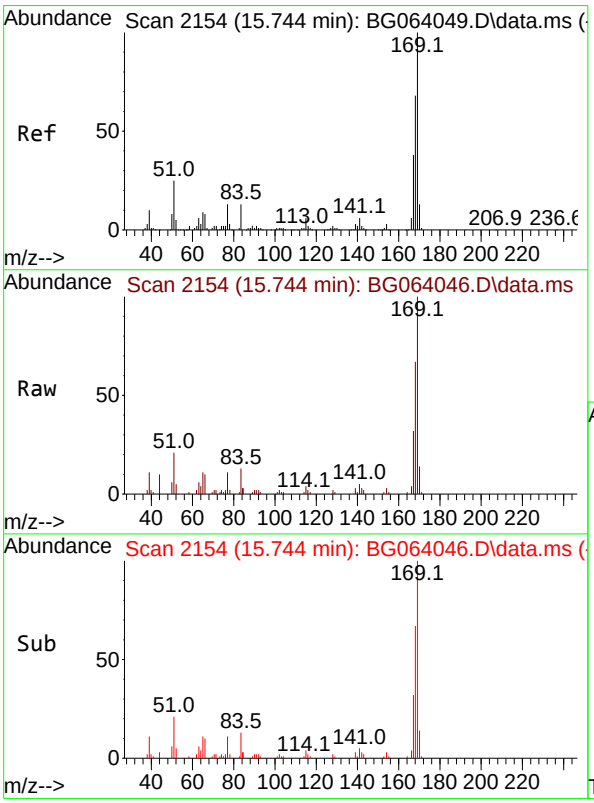
Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	10.9	8.1	12.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

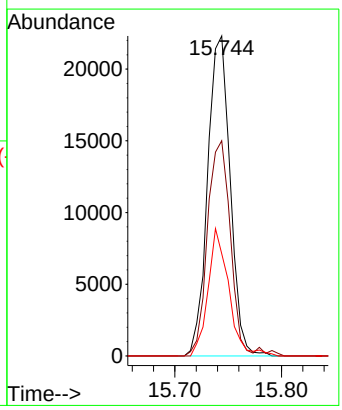
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

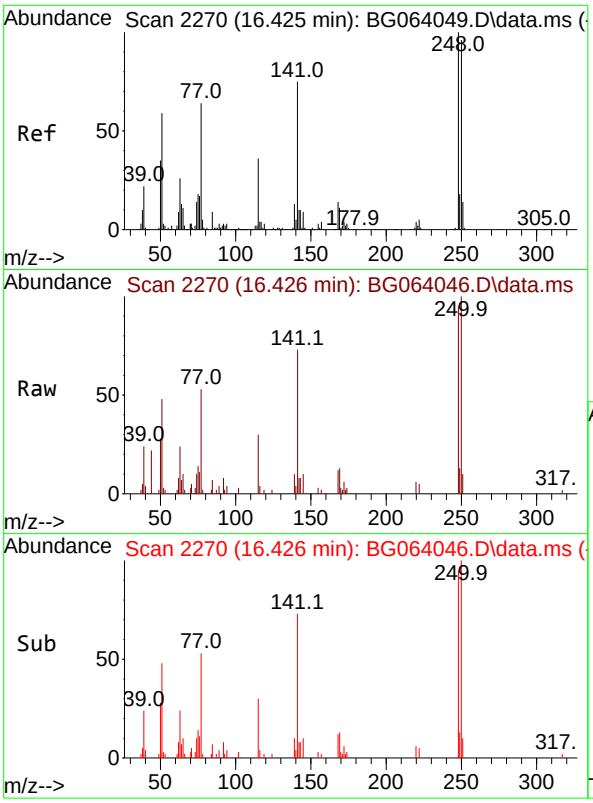


#66
n-Nitrosodiphenylamine
Concen: 4.927 ng
RT: 15.744 min Scan# 2154
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:169 Resp: 32754

Ion	Ratio	Lower	Upper
169	100		
168	67.3	54.1	81.1
167	32.0	30.3	45.5

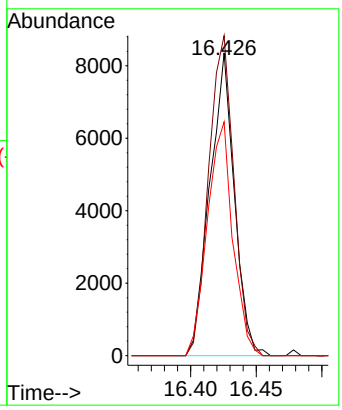




#67
4-Bromophenyl-phenylether
Concen: 4.531 ng
RT: 16.426 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:248 Resp: 1089

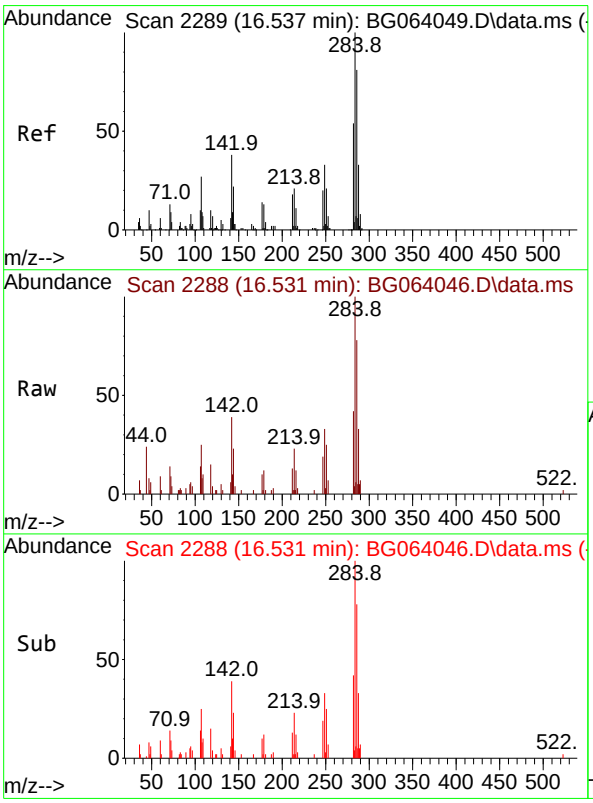
Ion	Ratio	Lower	Upper
248	100		
250	105.6	77.1	115.7
141	77.2	59.8	89.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

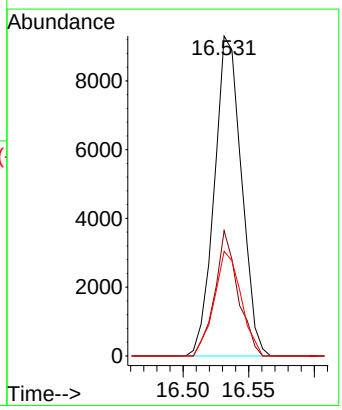
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

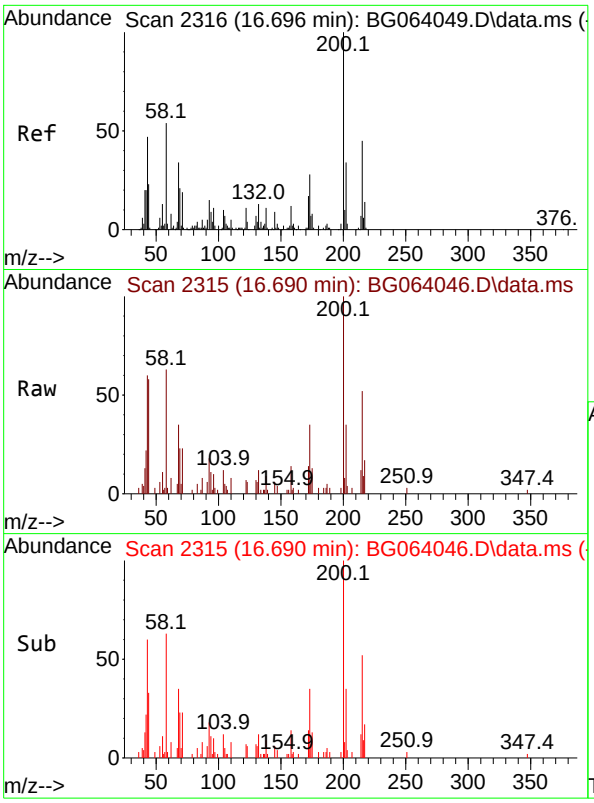


#68
Hexachlorobenzene
Concen: 4.958 ng
RT: 16.531 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:284 Resp: 13351

Ion	Ratio	Lower	Upper
284	100		
142	39.1	30.6	45.8
249	32.7	26.6	39.8

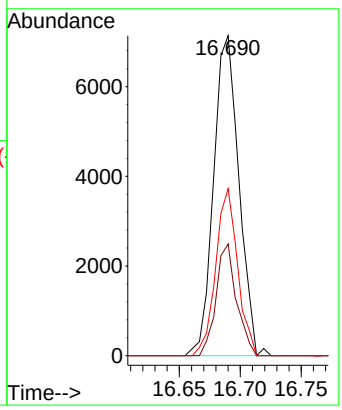




#69
Atrazine
Concen: 5.264 ng
RT: 16.690 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:200 Resp: 1029

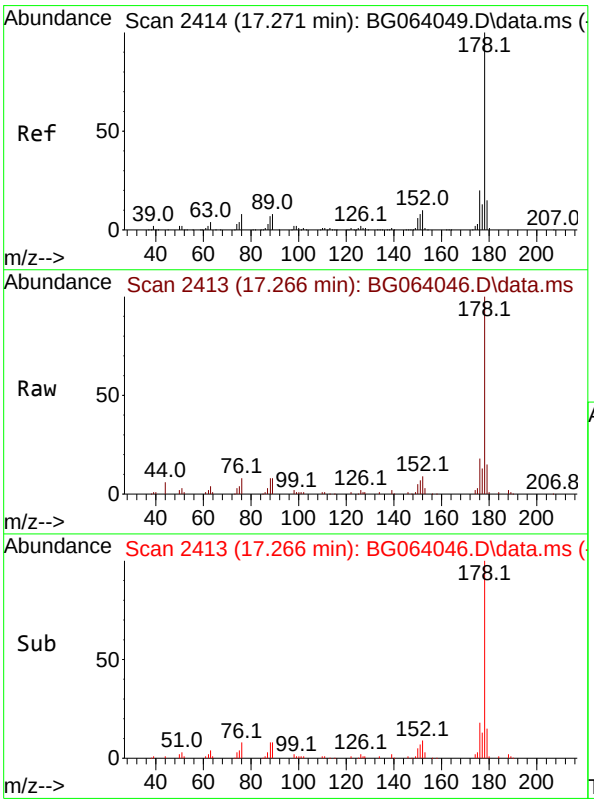
Ion	Ratio	Lower	Upper
200	100		
173	34.9	8.2	48.2
215	52.2	25.5	65.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

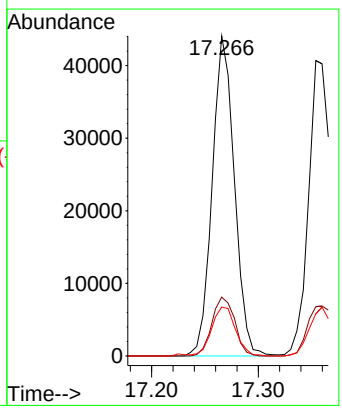
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

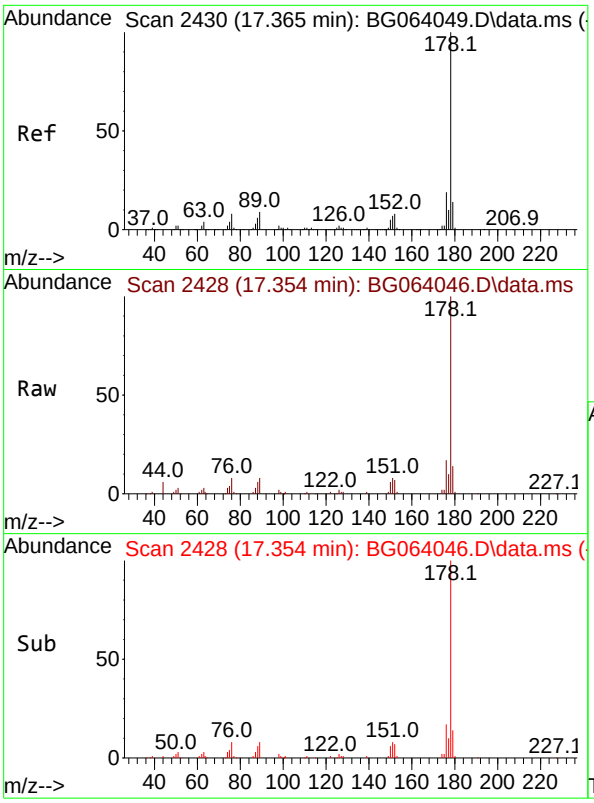


#71
Phenanthrene
Concen: 5.079 ng
RT: 17.266 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:178 Resp: 63629

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.9	23.9
179	15.3	12.2	18.2

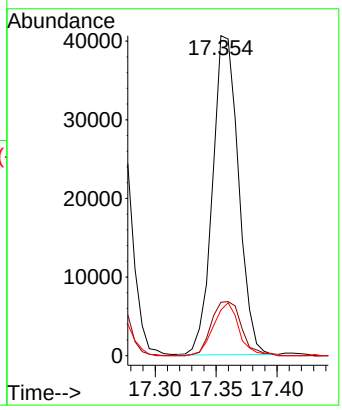




#72
Anthracene
Concen: 4.825 ng
RT: 17.354 min Scan# 24
Delta R.T. -0.011 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:178 Resp: 6010

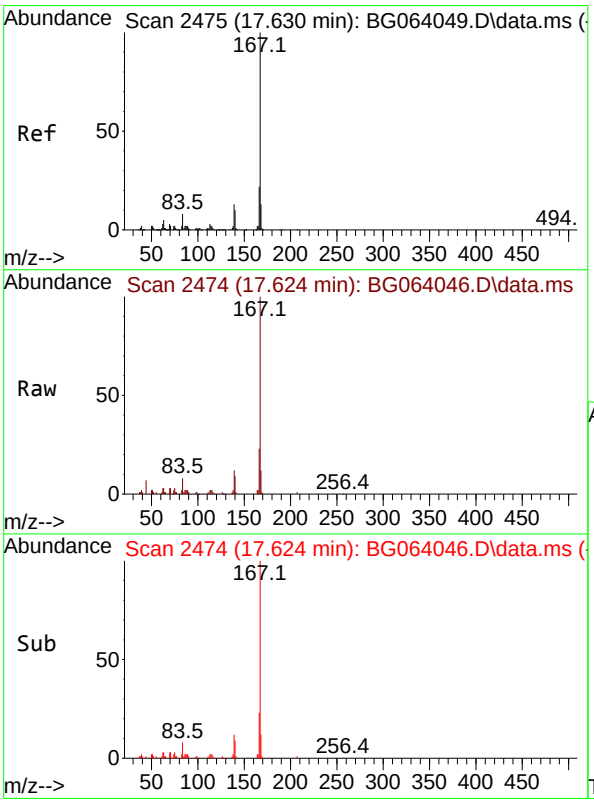
Ion	Ratio	Lower	Upper
178	100		
176	16.7	14.8	22.2
179	14.2	11.5	17.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

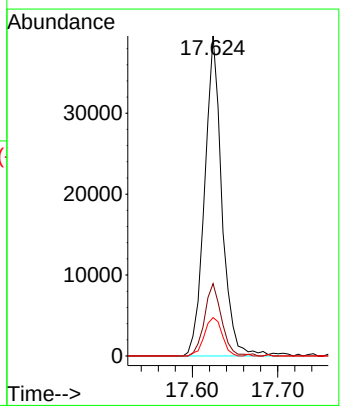
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

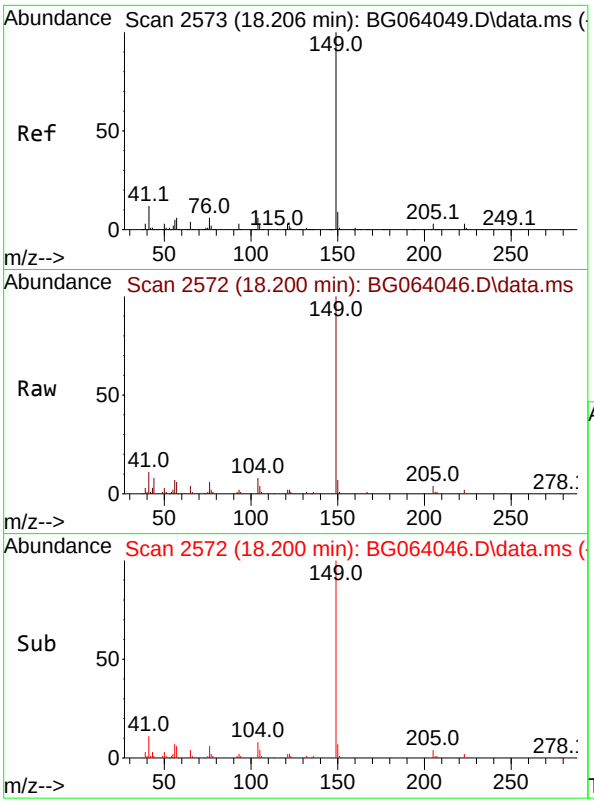


#73
Carbazole
Concen: 4.792 ng
RT: 17.624 min Scan# 2474
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:167 Resp: 55726

Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.0	27.0
139	12.0	10.6	15.8

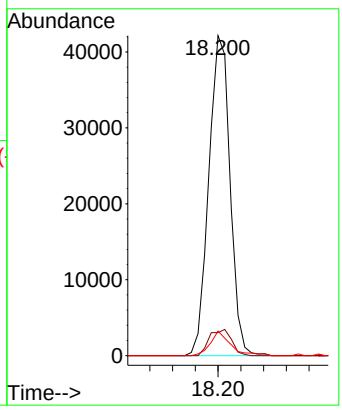




#74
Di-n-butylphthalate
Concen: 3.996 ng
RT: 18.200 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:149 Resp: 5470

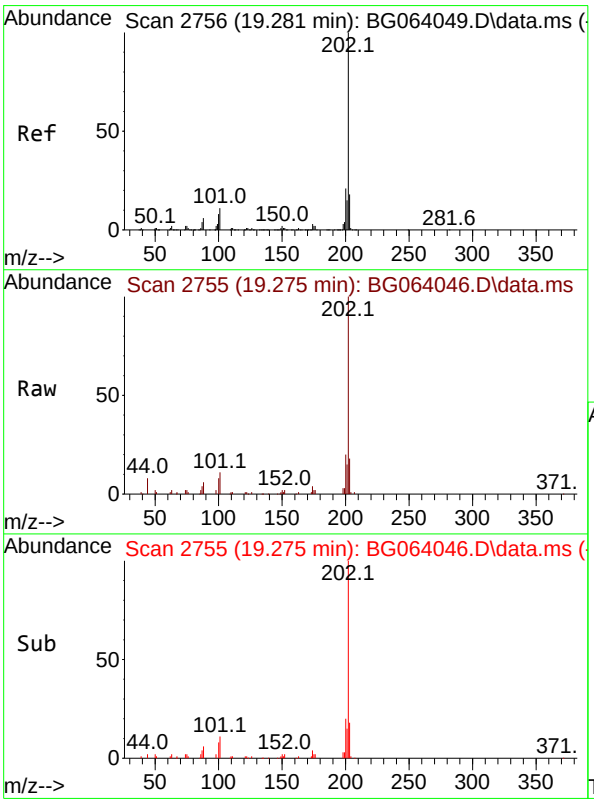
Ion	Ratio	Lower	Upper
149	100		
150	7.2	7.4	11.0#
104	7.7	5.0	7.6#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

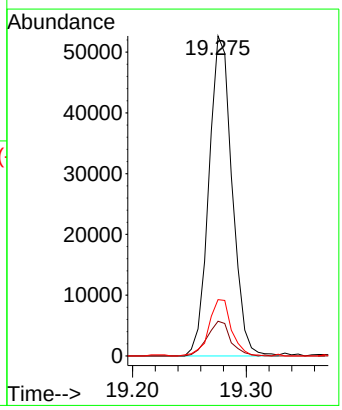
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

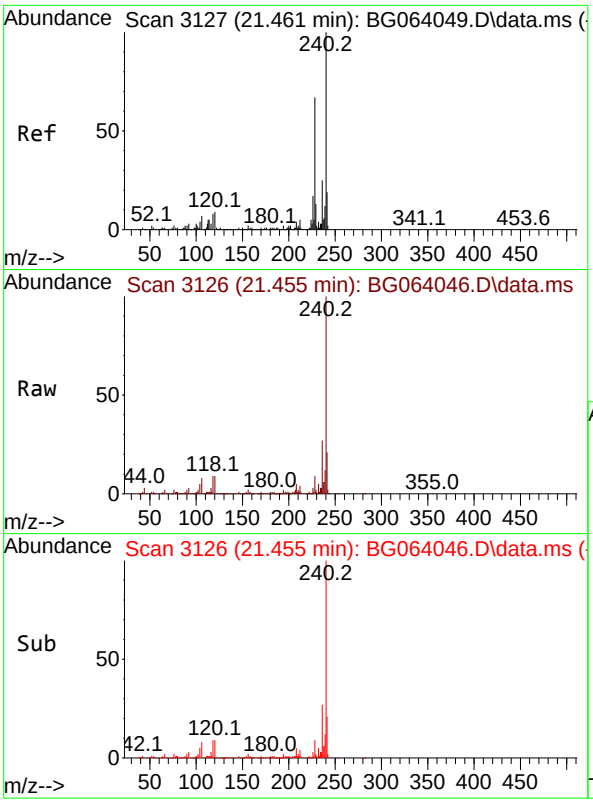


#75
Fluoranthene
Concen: 4.946 ng
RT: 19.275 min Scan# 2755
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:202 Resp: 74694

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.5
203	17.6	0.0	38.3

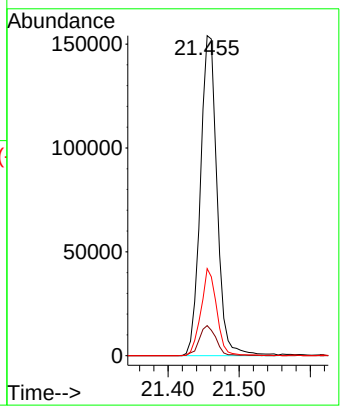




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.455 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:240 Resp: 25157

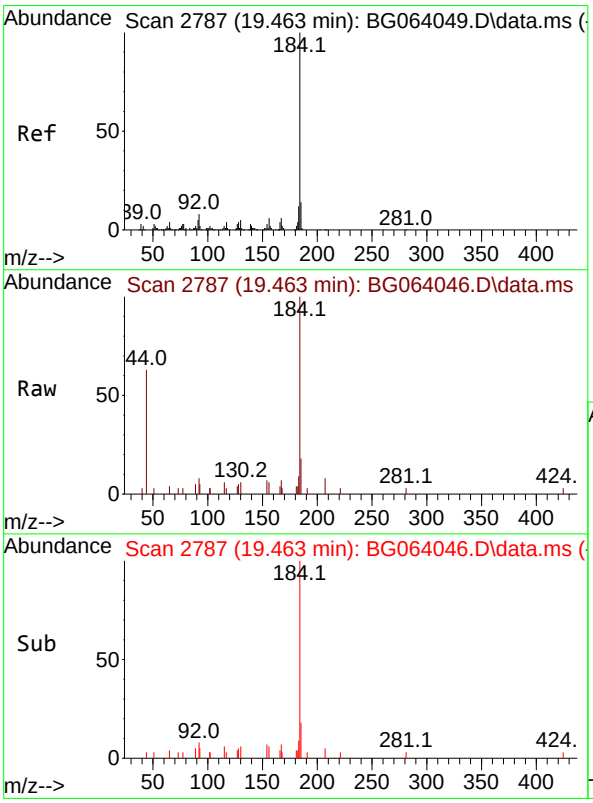
Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.2	10.8
236	27.2	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

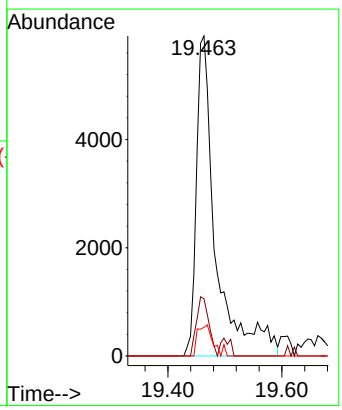
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

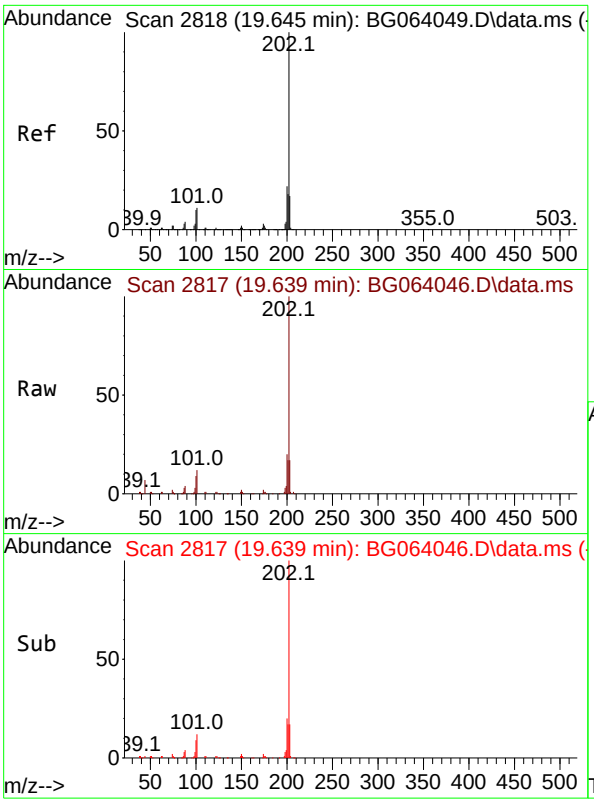


#77
Benzidine
Concen: 3.941 ng m
RT: 19.463 min Scan# 2787
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:184 Resp: 13919

Ion	Ratio	Lower	Upper
184	100		
185	17.9	11.3	16.9#
183	9.0	9.5	14.3#

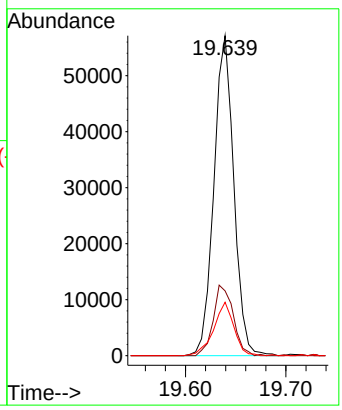




#78
Pyrene
Concen: 4.853 ng
RT: 19.639 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:202 Resp: 7870

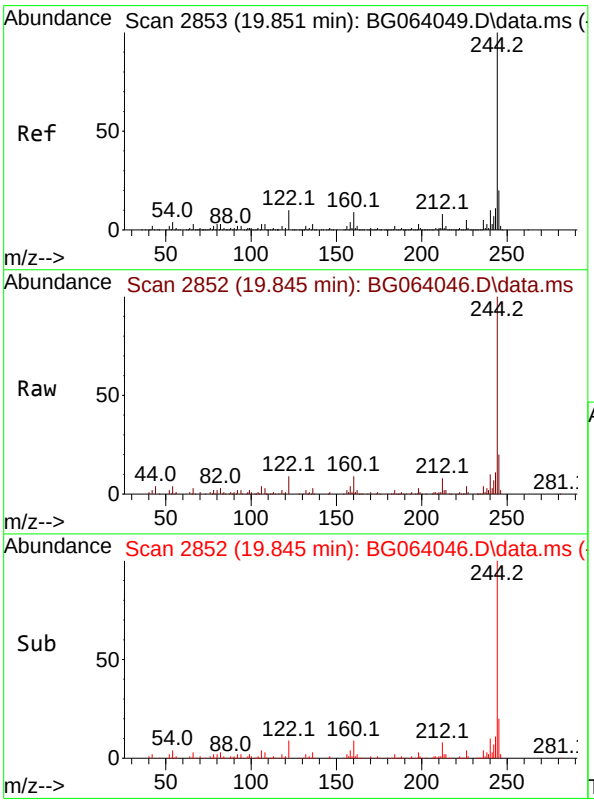
Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.3	25.9
203	16.7	13.6	20.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

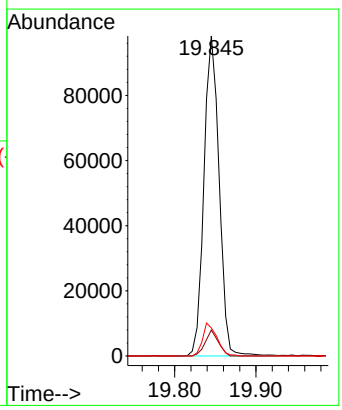
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

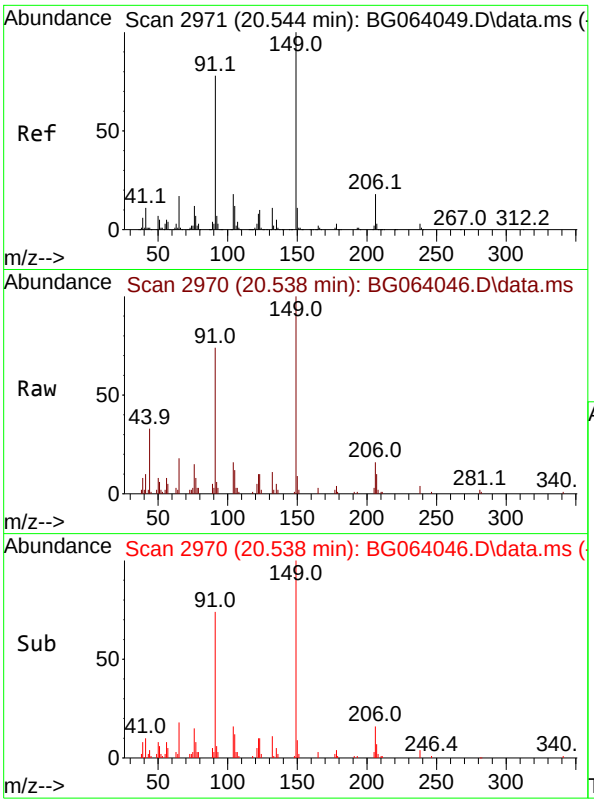


#79
Terphenyl-d14
Concen: 10.226 ng
RT: 19.845 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:244 Resp: 127223

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	8.8	8.0	12.0

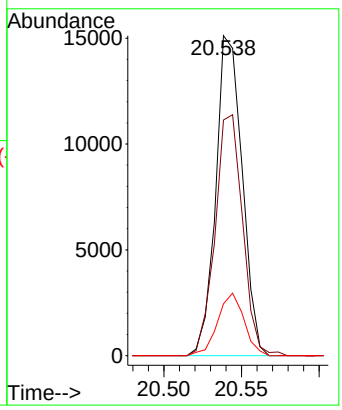




#80
Butylbenzylphthalate
Concen: 6.356 ng
RT: 20.538 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:149 Resp: 1789

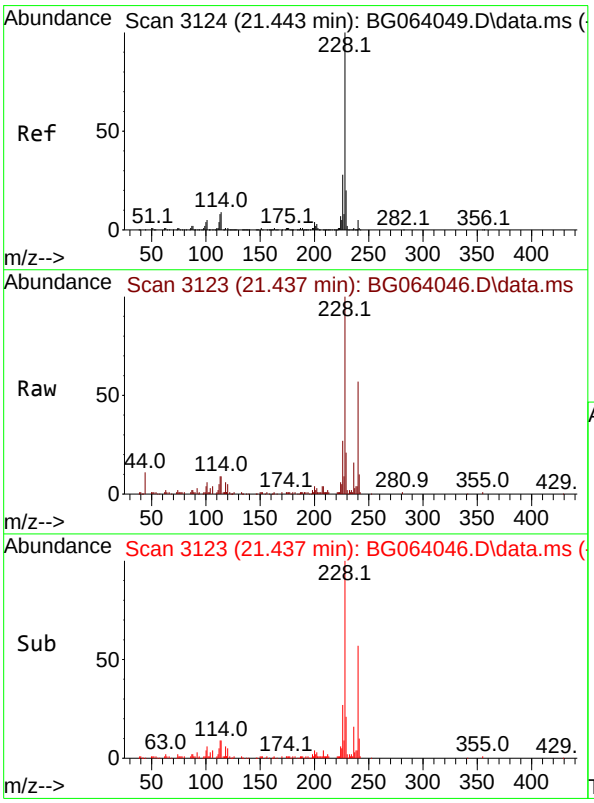
Ion	Ratio	Lower	Upper
149	100		
91	73.7	62.0	93.0
206	16.2	14.6	21.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

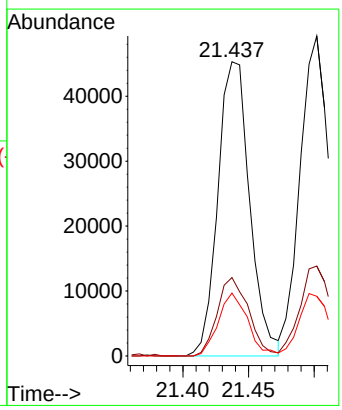
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

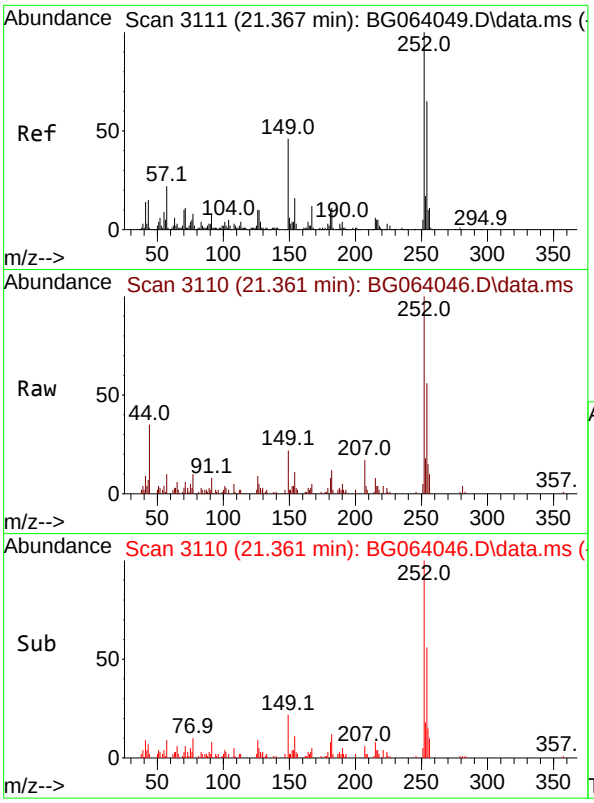


#81
Benzo(a)anthracene
Concen: 4.751 ng
RT: 21.437 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:228 Resp: 76566

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.2	33.2
229	21.4	16.4	24.6

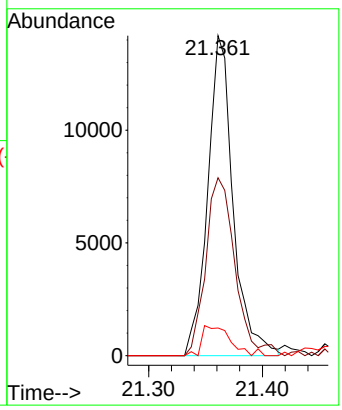




#82
3,3'-Dichlorobenzidine
Concen: 4.226 ng
RT: 21.361 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:252 Resp: 2203

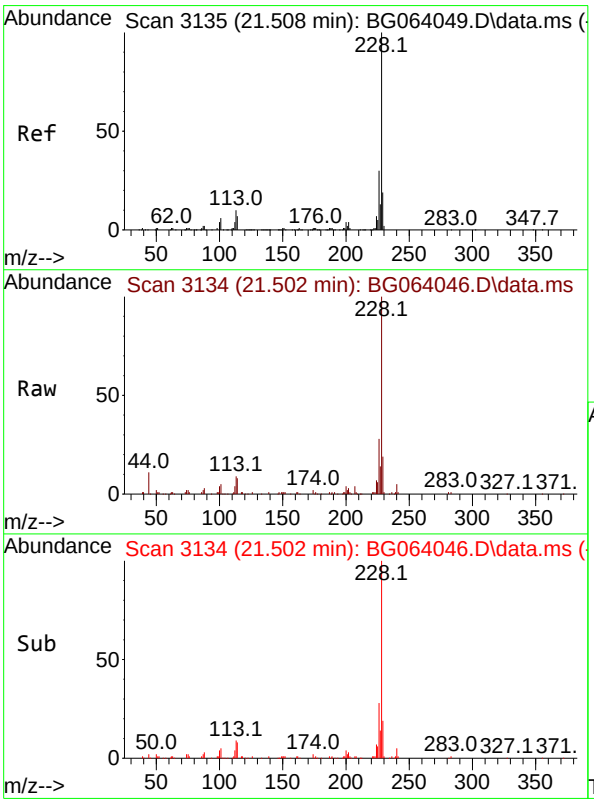
Ion	Ratio	Lower	Upper
252	100		
254	55.6	52.1	78.1
126	8.6	7.8	11.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

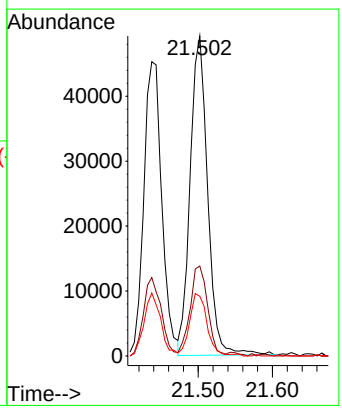
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

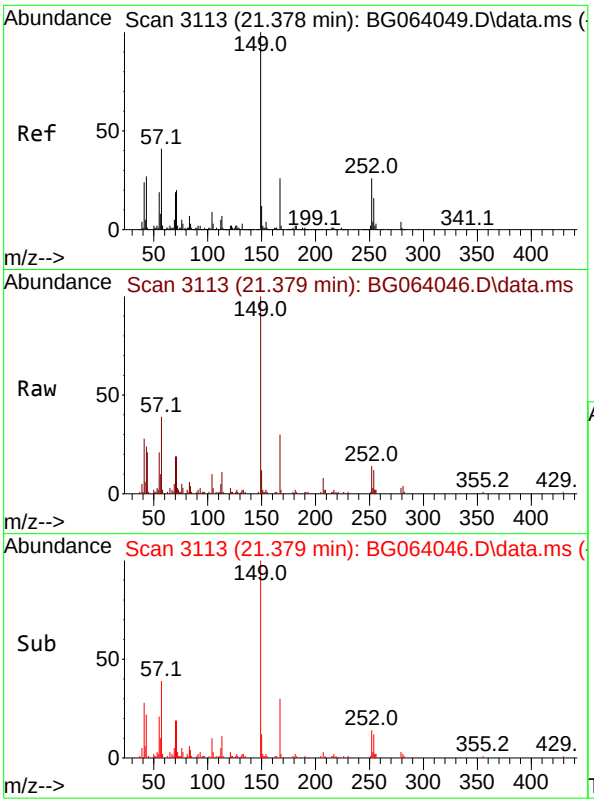


#83
Chrysene
Concen: 5.014 ng
RT: 21.502 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:228 Resp: 80580

Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.9	35.9
229	18.7	15.3	22.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.634 ng
RT: 21.379 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

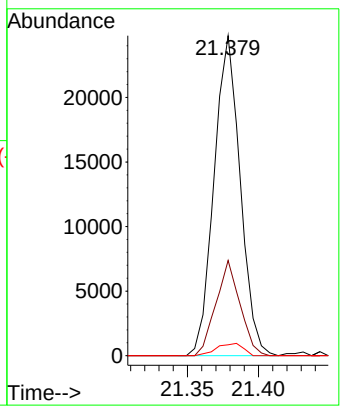
Tgt Ion:149 Resp: 3167

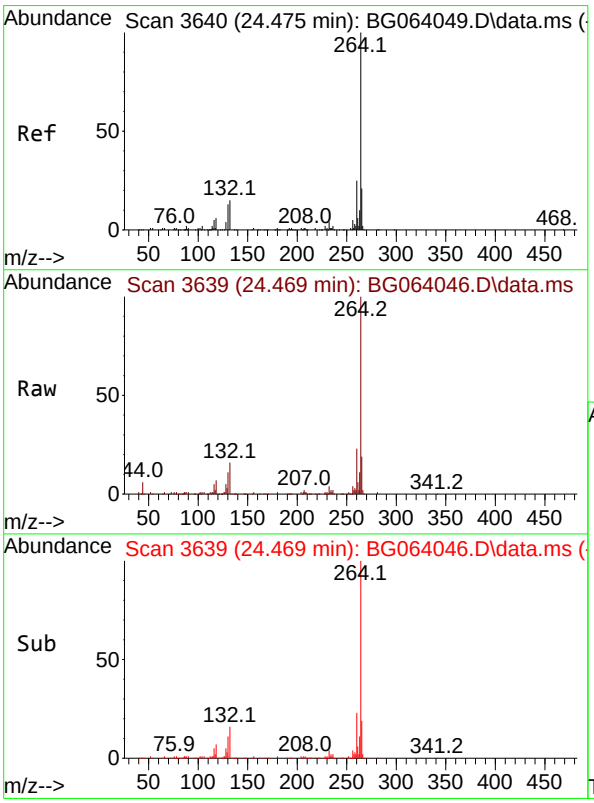
Ion	Ratio	Lower	Upper
149	100		
167	29.7	21.0	31.6
279	3.4	2.8	4.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

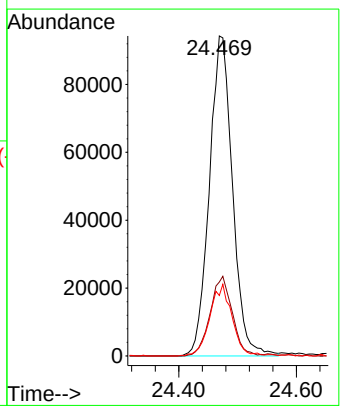


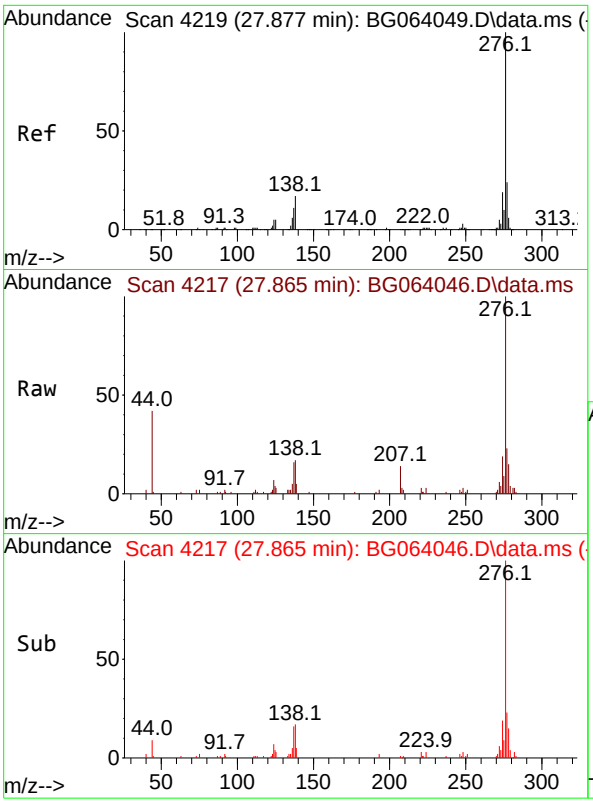


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.469 min Scan# 3639
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:264 Resp: 257404

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.6	29.4
265	18.9	16.6	25.0

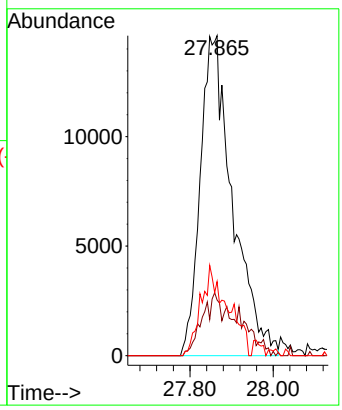




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.569 ng
RT: 27.865 min Scan# 4
Delta R.T. -0.011 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:276 Resp: 7868

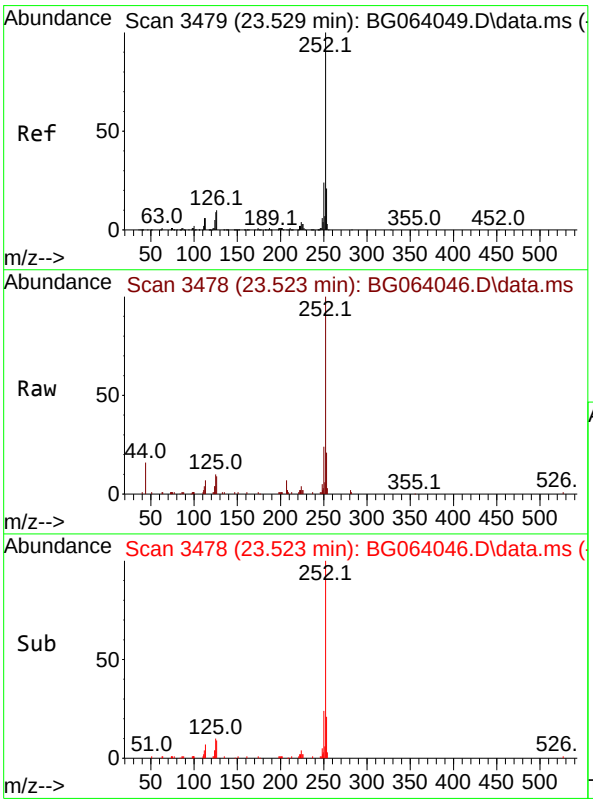
Ion	Ratio	Lower	Upper
276	100		
138	11.1	12.1	18.1#
277	23.4	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

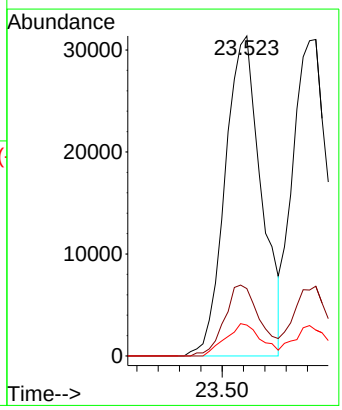
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

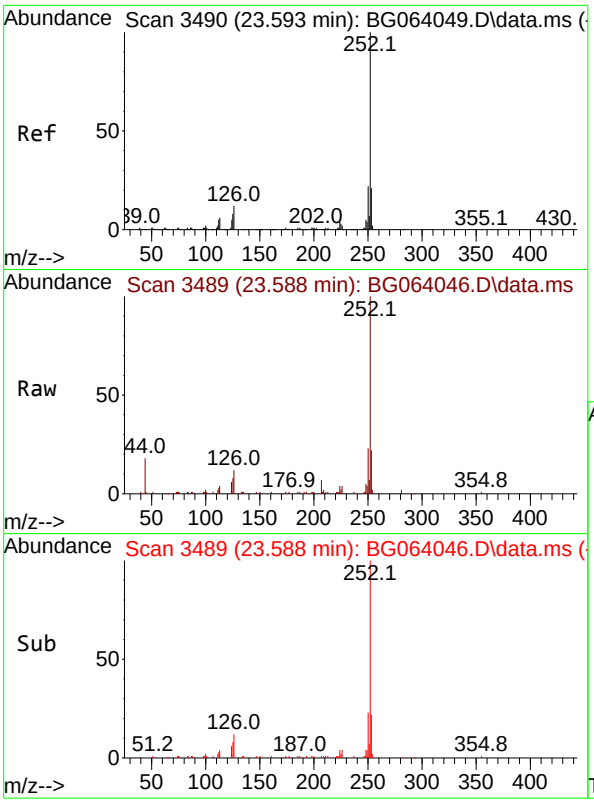


#88
Benzo(b)fluoranthene
Concen: 4.757 ng
RT: 23.523 min Scan# 3478
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:252 Resp: 74031

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.0	25.4
125	9.7	7.4	11.2





#89
Benzo(k)fluoranthene
Concen: 4.582 ng
RT: 23.588 min Scan# 34
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

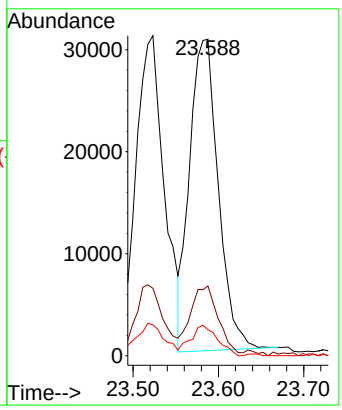
Tgt Ion:252 Resp: 7152

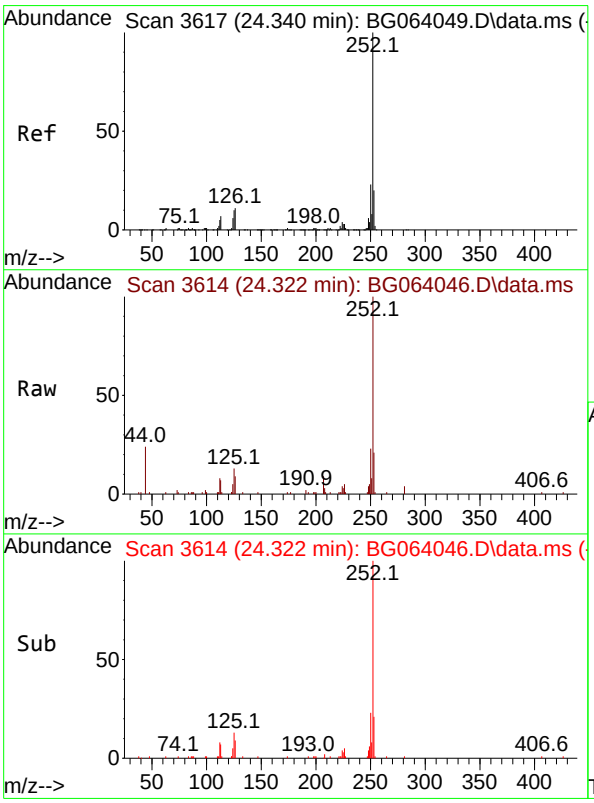
Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.8	25.2
125	8.2	6.9	10.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

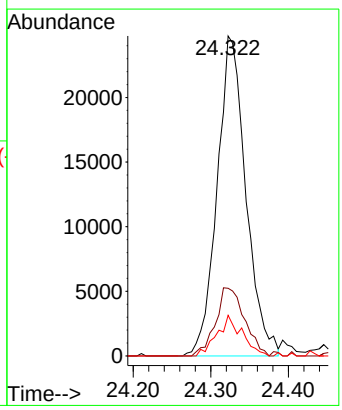


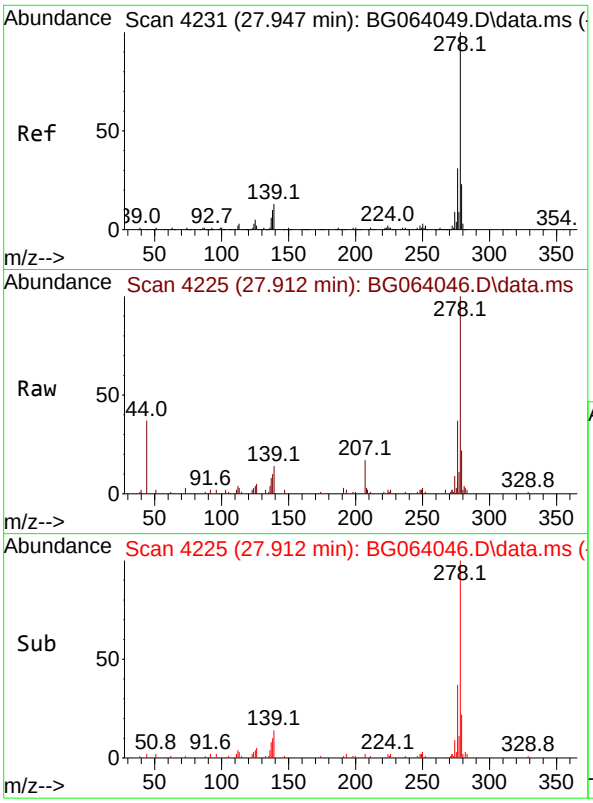


#90
Benzo(a)pyrene
Concen: 4.610 ng
RT: 24.322 min Scan# 3614
Delta R.T. -0.017 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:252 Resp: 63881

Ion	Ratio	Lower	Upper
252	100		
253	21.2	16.2	24.2
125	12.7	7.8	11.6#

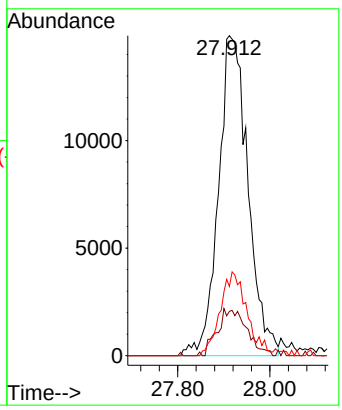




#91
Dibenzo(a,h)anthracene
Concen: 4.638 ng
RT: 27.912 min Scan# 4
Delta R.T. -0.035 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:278 Resp: 6622

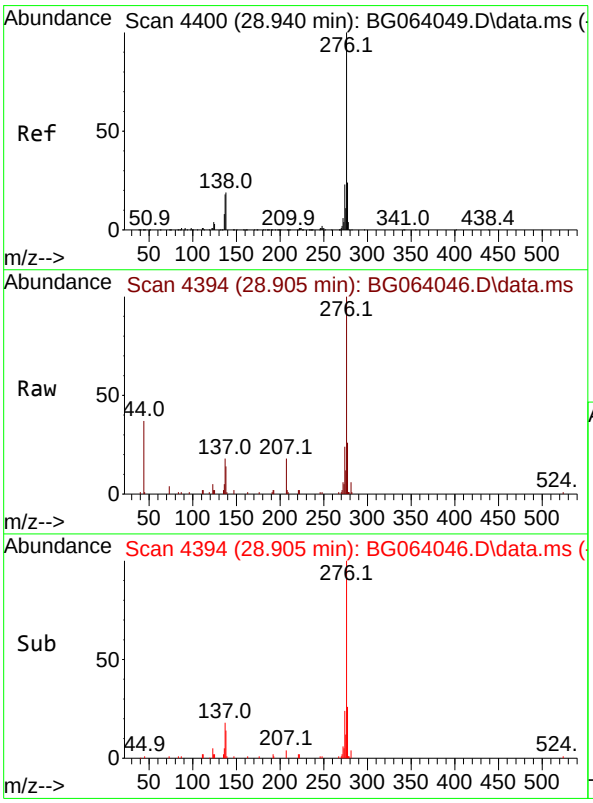
Ion	Ratio	Lower	Upper
278	100		
139	13.9	10.2	15.2
279	21.7	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

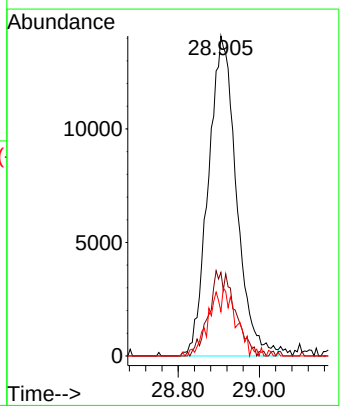
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025



#92
Benzo(g,h,i)perylene
Concen: 4.607 ng
RT: 28.905 min Scan# 4394
Delta R.T. -0.035 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:276 Resp: 67535

Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.5	29.3
138	13.8	15.4	23.0#



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064047.D
Acq On : 5 Mar 2025 10:22
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:21:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.867	152	31108	20.000	ng		0.00
21) Naphthalene-d8	10.652	136	139041	20.000	ng		0.00
39) Acenaphthene-d10	14.489	164	93753	20.000	ng		0.00
64) Phenanthrene-d10	17.227	188	216134	20.000	ng		0.00
76) Chrysene-d12	21.457	240	243131	20.000	ng		0.00
86) Perylene-d12	24.471	264	255316	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.446	112	38583	19.366	ng		0.00
7) Phenol-d6	7.027	99	50726	18.716	ng		0.00
23) Nitrobenzene-d5	9.013	82	41723	16.583	ng		0.00
42) 2,4,6-Tribromophenol	15.969	330	17898	17.174	ng		0.00
45) 2-Fluorobiphenyl	13.114	172	122799	19.881	ng		0.00
79) Terphenyl-d14	19.847	244	248866	20.697	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.378	88	9415	10.428	ng		97
3) Pyridine	3.760	79	22471	10.233	ng		93
4) n-Nitrosodimethylamine	3.678	42	15180	9.676	ng	#	99
6) Aniline	7.191	93	25976	9.767	ng		98
8) 2-Chlorophenol	7.432	128	20803	9.722	ng		95
9) Benzaldehyde	7.003	77	17458m	11.020	ng		
10) Phenol	7.050	94	26326	9.487	ng		98
11) bis(2-Chloroethyl)ether	7.285	93	22457	10.323	ng		96
12) 1,3-Dichlorobenzene	7.755	146	23941	10.189	ng		90
13) 1,4-Dichlorobenzene	7.896	146	24047	9.985	ng		93
14) 1,2-Dichlorobenzene	8.214	146	22764	9.802	ng		91
15) Benzyl Alcohol	8.096	79	19422	9.274	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.390	45	47034	9.615	ng		97
17) 2-Methylphenol	8.296	107	17355	9.424	ng		94
18) Hexachloroethane	8.948	117	8075	9.583	ng		90
19) n-Nitroso-di-n-propyla...	8.660	70	17996	9.461	ng	#	95
20) 3+4-Methylphenols	8.625	107	23611	9.313	ng		93
22) Acetophenone	8.678	105	36468	9.566	ng	#	91
24) Nitrobenzene	9.054	77	22242	8.554	ng	#	96
25) Isophorone	9.577	82	46752	9.284	ng		97
26) 2-Nitrophenol	9.765	139	5521	9.891	ng	#	79
27) 2,4-Dimethylphenol	9.823	122	13030	8.631	ng		90
28) bis(2-Chloroethoxy)met...	10.064	93	28970	9.488	ng		98
29) 2,4-Dichlorophenol	10.293	162	16635	8.726	ng		96
30) 1,2,4-Trichlorobenzene	10.517	180	22045	9.579	ng		96
31) Naphthalene	10.699	128	72491	9.669	ng		98
32) Benzoic acid	9.912	122	5442m	11.884	ng		
33) 4-Chloroaniline	10.805	127	25282	9.226	ng	#	92
34) Hexachlorobutadiene	10.993	225	14828	9.830	ng		99
35) Caprolactam	11.539	113	6357	8.702	ng	#	91
36) 4-Chloro-3-methylphenol	11.921	107	22970	9.192	ng		97
37) 2-Methylnaphthalene	12.309	142	50557	9.552	ng		100
38) 1-Methylnaphthalene	12.526	142	50620	9.762	ng	#	92
40) 1,2,4,5-Tetrachloroben...	12.679	216	27386	10.232	ng		98
41) Hexachlorocyclopentadiene	12.667	237	6015	7.985	ng		90
43) 2,4,6-Trichlorophenol	12.914	196	13713	8.693	ng		95

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064047.D
Acq On : 5 Mar 2025 10:22
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:21:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.979	196	15468	8.825	ng		95
46) 1,1'-Biphenyl	13.319	154	70250	9.918	ng		94
47) 2-Chloronaphthalene	13.360	162	50394	9.755	ng		98
48) 2-Nitroaniline	13.560	65	10834	9.850	ng		90
49) Acenaphthylene	14.207	152	78614	9.621	ng		96
50) Dimethylphthalate	13.942	163	65659	9.487	ng	#	95
51) 2,6-Dinitrotoluene	14.054	165	9373	9.566	ng		90
52) Acenaphthene	14.547	154	53833m	9.797	ng		
53) 3-Nitroaniline	14.383	138	10697	7.997	ng		98
54) 2,4-Dinitrophenol	14.583	184	3090	12.640	ng	#	74
55) Dibenzofuran	14.882	168	88163	9.924	ng		97
56) 4-Nitrophenol	14.682	139	7683	6.849	ng	#	88
57) 2,4-Dinitrotoluene	14.835	165	11947	9.344	ng	#	95
58) Fluorene	15.528	166	67954	9.821	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.111	232	15282	8.943	ng		99
60) Diethylphthalate	15.311	149	70346	9.363	ng		96
61) 4-Chlorophenyl-phenyle...	15.534	204	34862	10.139	ng		95
62) 4-Nitroaniline	15.540	138	12324	8.534	ng		89
63) Azobenzene	15.822	77	77127	9.620	ng		98
65) 4,6-Dinitro-2-methylph...	15.605	198	5373	12.953	ng		97
66) n-Nitrosodiphenylamine	15.740	169	59511	9.727	ng		99
67) 4-Bromophenyl-phenylether	16.422	248	21085	9.525	ng		97
68) Hexachlorobenzene	16.539	284	24406	9.848	ng	#	89
69) Atrazine	16.686	200	20585	11.436	ng		92
70) Pentachlorophenol	16.874	266	11318	7.355	ng	#	87
71) Phenanthrene	17.268	178	111754	9.694	ng		97
72) Anthracene	17.356	178	112451	9.810	ng		99
73) Carbazole	17.626	167	106750	9.974	ng		98
74) Di-n-butylphthalate	18.202	149	118366	9.396	ng		97
75) Fluoranthene	19.277	202	142097	10.224	ng		98
77) Benzidine	19.465	184	48648m	14.253	ng		
78) Pyrene	19.641	202	156414	9.980	ng		99
80) Butylbenzylphthalate	20.546	149	40179	9.952	ng	#	88
81) Benzo(a)anthracene	21.439	228	154113	9.895	ng		97
82) 3,3'-Dichlorobenzidine	21.363	252	48080	9.539	ng	#	93
83) Chrysene	21.504	228	149887	9.649	ng		98
84) Bis(2-ethylhexyl)phtha...	21.380	149	70780	8.403	ng		95
85) Di-n-octyl phthalate	22.526	149	108389	7.461	ng		97
87) Indeno(1,2,3-cd)pyrene	27.855	276	157212	9.203	ng	#	75
88) Benzo(b)fluoranthene	23.519	252	146238	9.475	ng		98
89) Benzo(k)fluoranthene	23.584	252	151826	9.805	ng		97
90) Benzo(a)pyrene	24.330	252	130528	9.496	ng		96
91) Dibenzo(a,h)anthracene	27.914	278	132272	9.340	ng	#	97
92) Benzo(g,h,i)perylene	28.907	276	139536	9.596	ng		97

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

ICAL Form

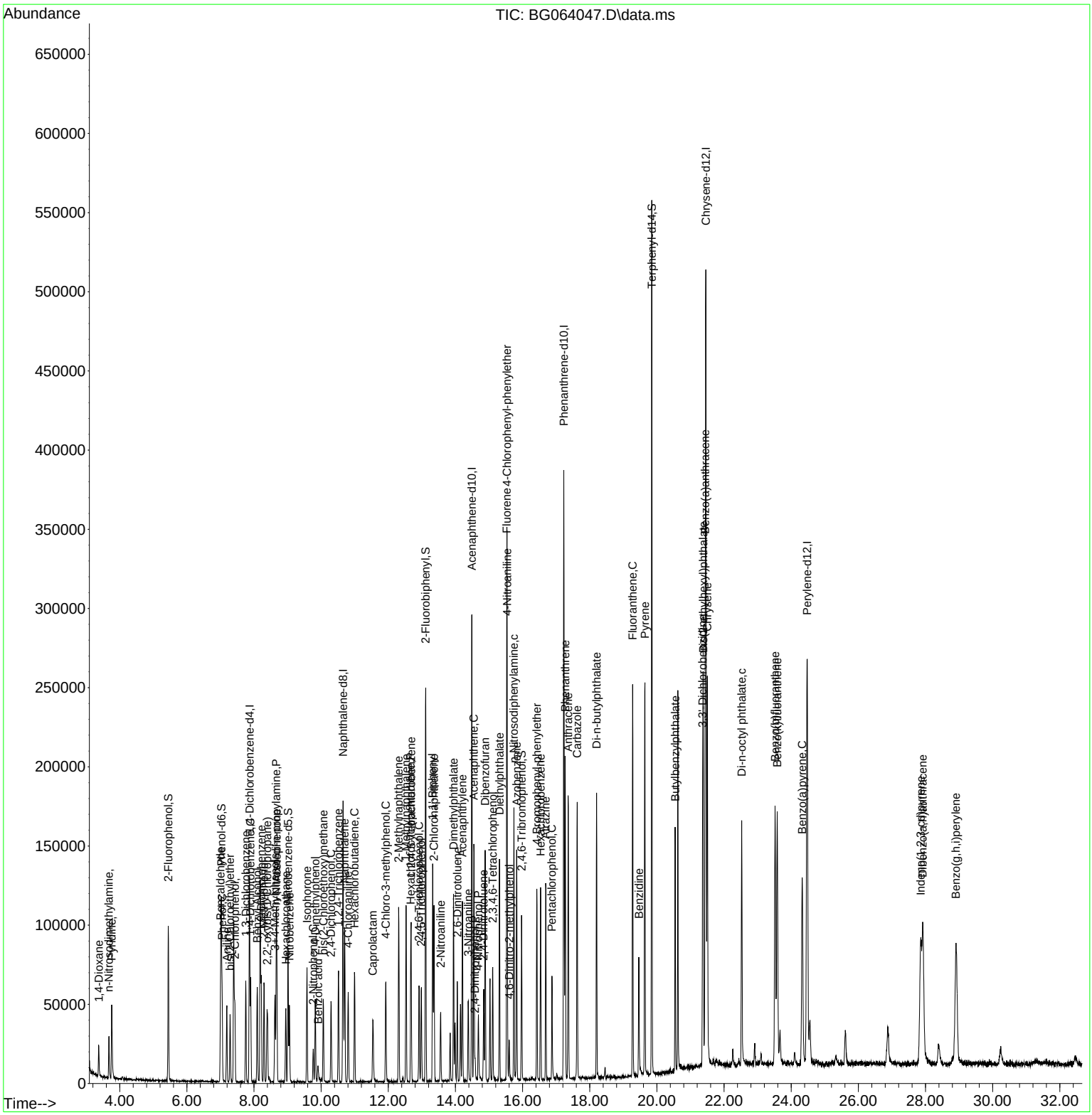
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Data File : BG064047.D
Acq On : 5 Mar 2025 10:22
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

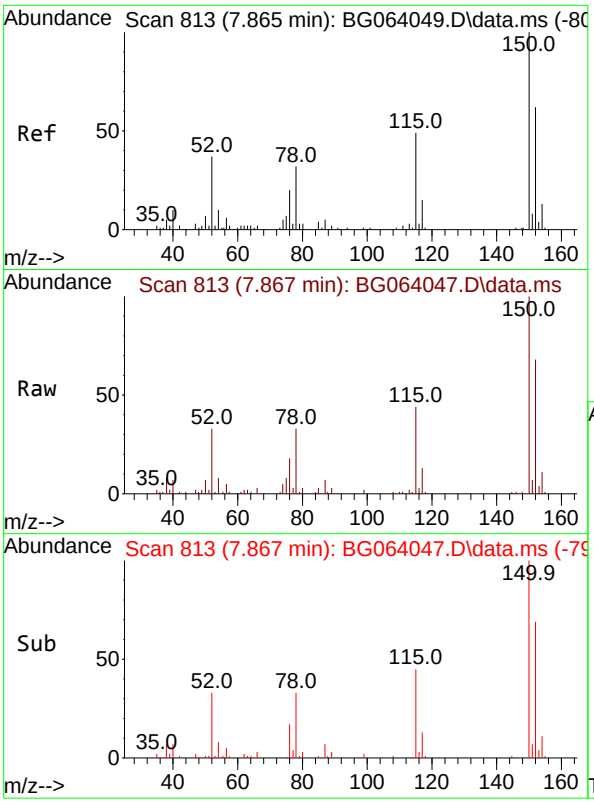
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

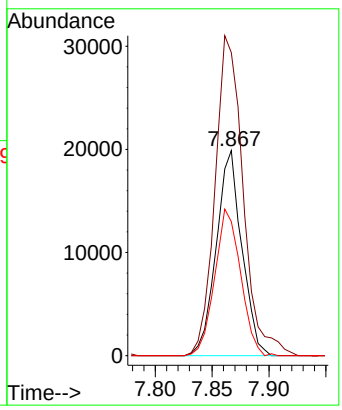




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.867 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:152 Resp: 3110

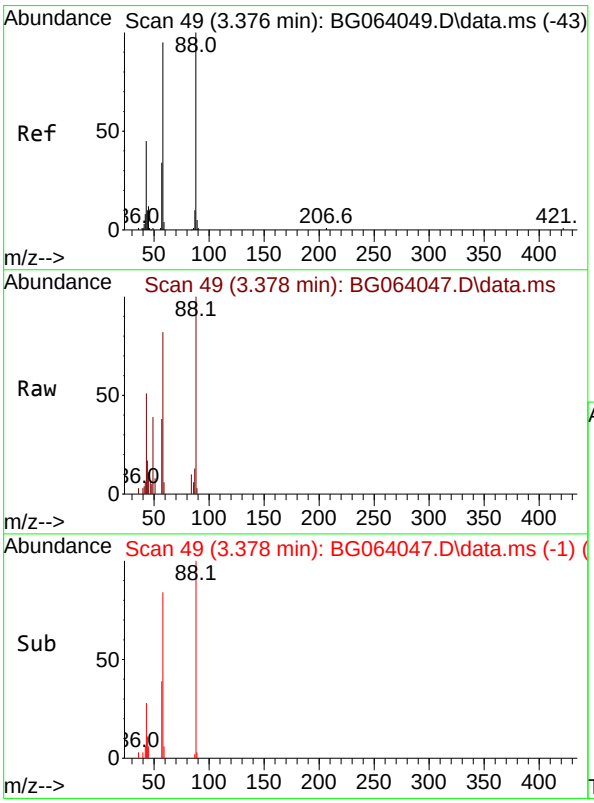
Ion	Ratio	Lower	Upper
152	100		
150	147.8	129.2	193.8
115	65.4	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

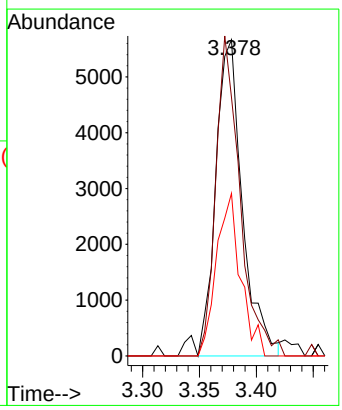
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

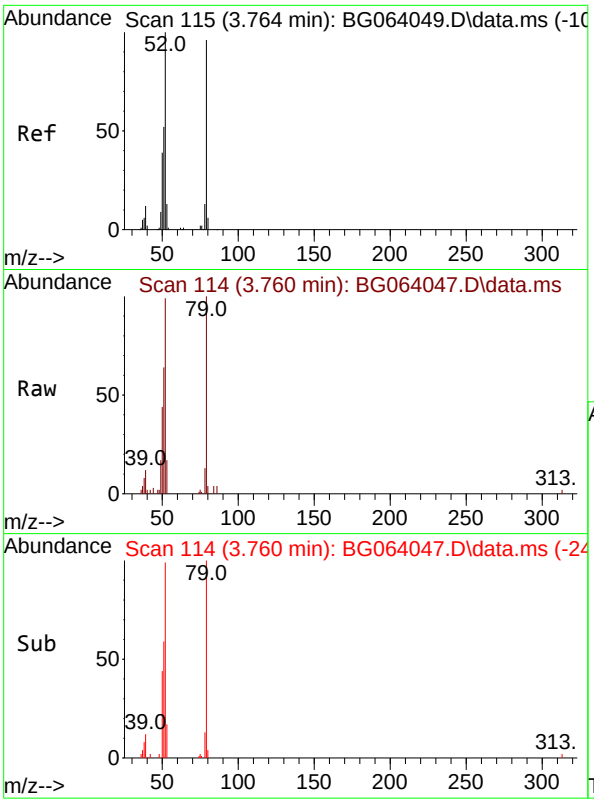


#2
1,4-Dioxane
Concen: 10.428 ng
RT: 3.378 min Scan# 49
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 88 Resp: 9415

Ion	Ratio	Lower	Upper
88	100		
58	89.7	74.6	111.8
43	45.8	35.5	53.3

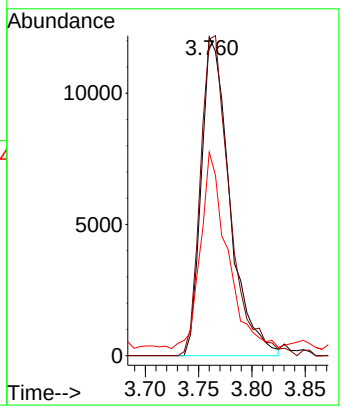




#3
Pyridine
Concen: 10.233 ng
RT: 3.760 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 79 Resp: 2247

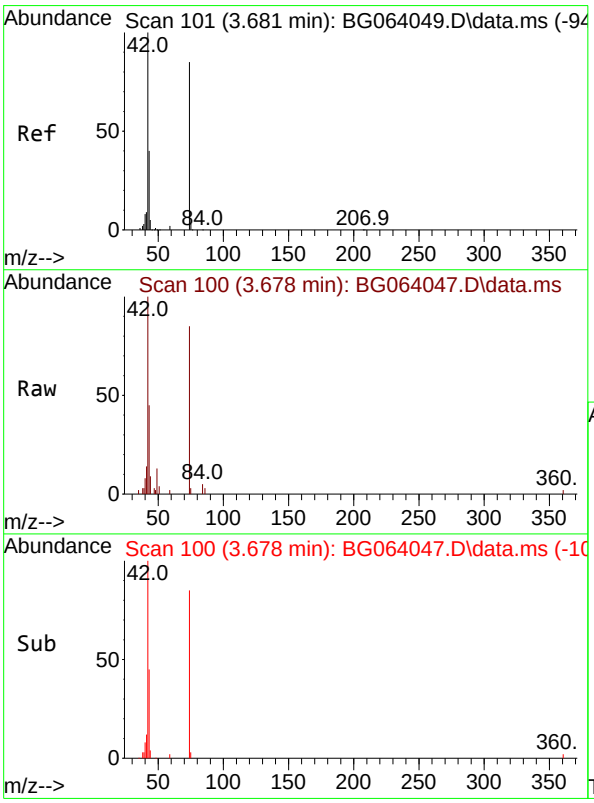
Ion	Ratio	Lower	Upper
79	100		
52	99.2	83.0	124.6
51	63.8	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

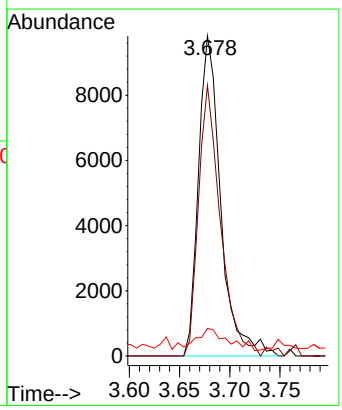
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

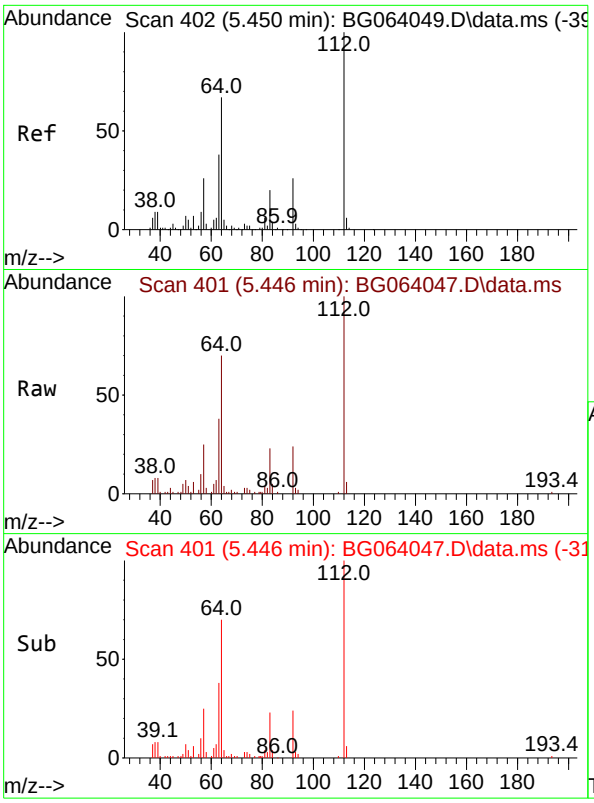


#4
n-Nitrosodimethylamine
Concen: 9.676 ng
RT: 3.678 min Scan# 100
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 42 Resp: 15180

Ion	Ratio	Lower	Upper
42	100		
74	84.6	68.0	102.0
44	8.6	4.9	7.3#

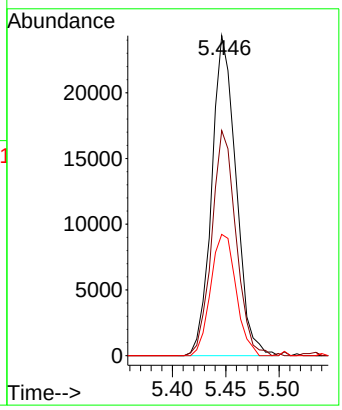




#5
2-Fluorophenol
Concen: 19.366 ng
RT: 5.446 min Scan# 4(
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:112 Resp: 3858

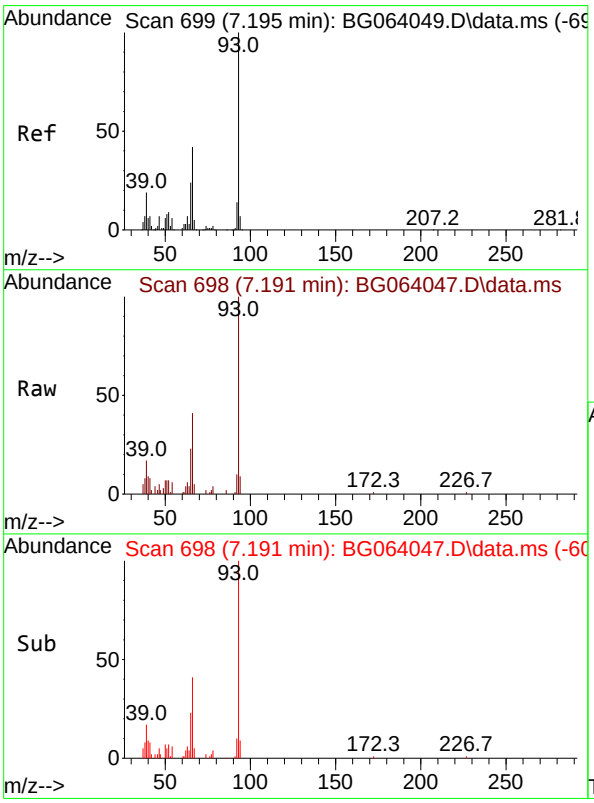
Ion	Ratio	Lower	Upper
112	100		
64	70.4	53.7	80.5
63	37.9	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

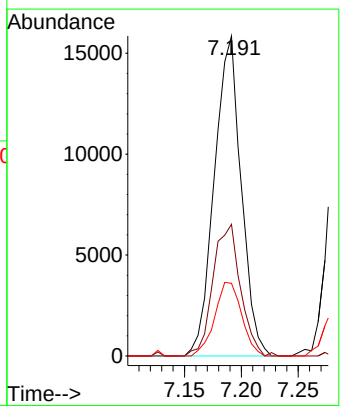
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

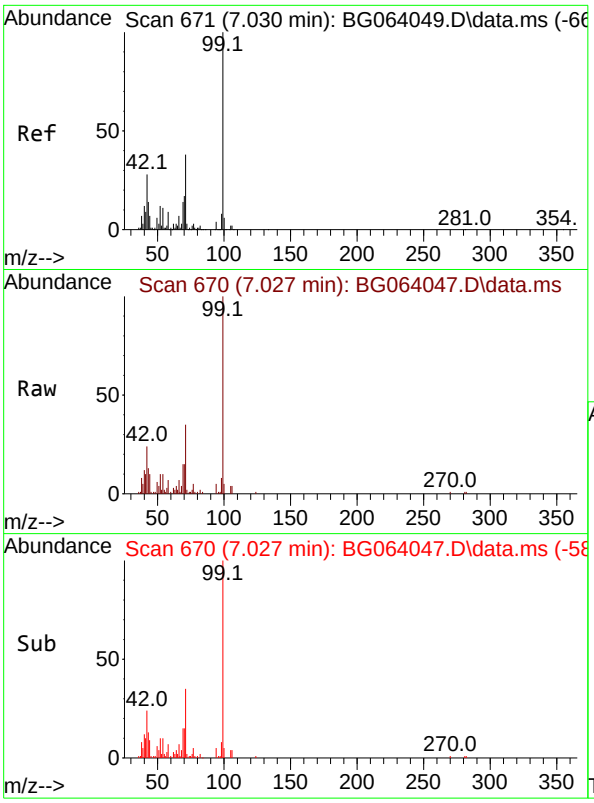


#6
Aniline
Concen: 9.767 ng
RT: 7.191 min Scan# 698
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 93 Resp: 25976

Ion	Ratio	Lower	Upper
93	100		
66	41.2	33.7	50.5
65	22.7	19.1	28.7

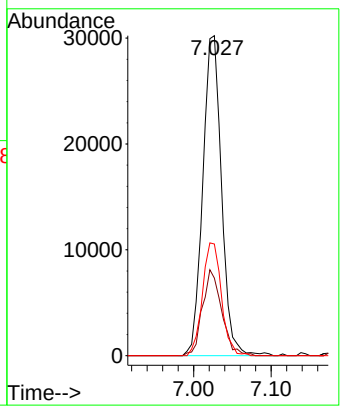




#7
Phenol-d6
Concen: 18.716 ng
RT: 7.027 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 99 Resp: 5072

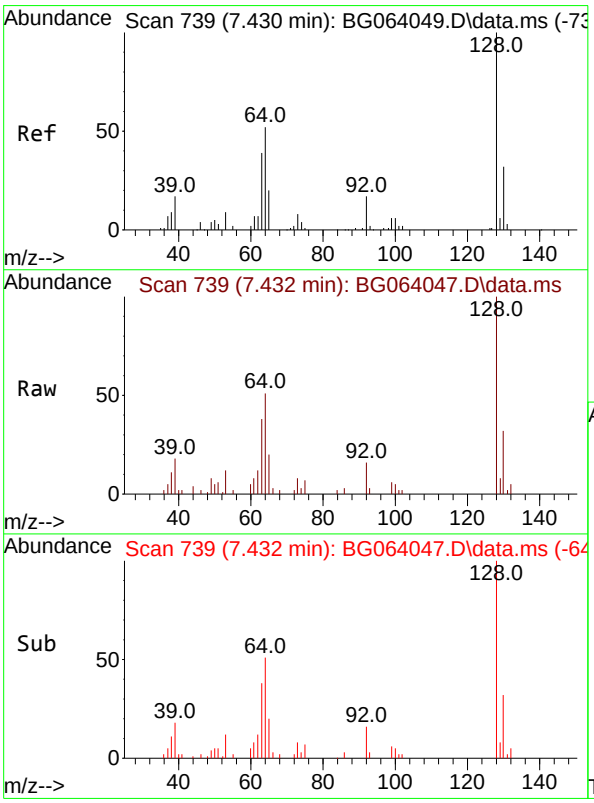
Ion	Ratio	Lower	Upper
99	100		
42	24.2	22.7	34.1
71	34.9	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

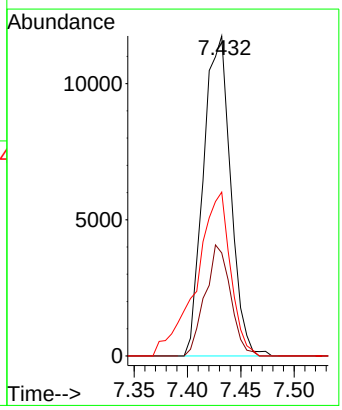
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

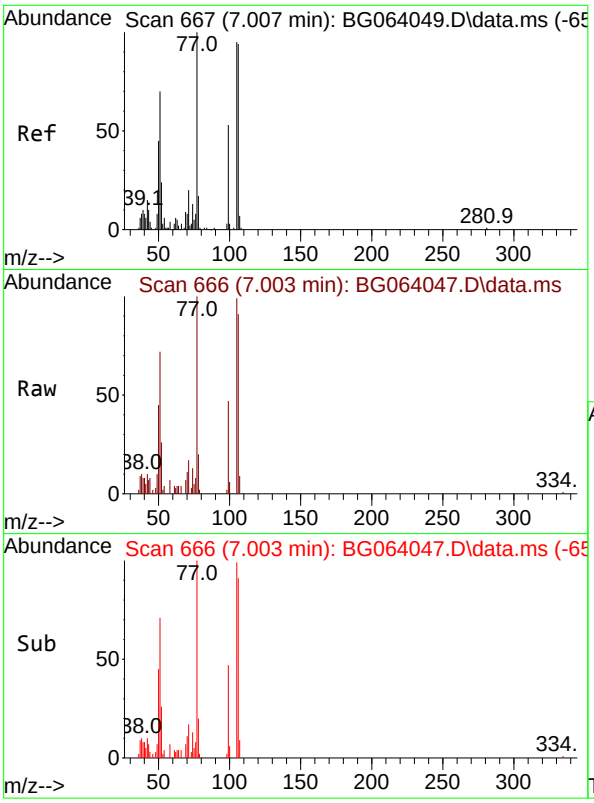


#8
2-Chlorophenol
Concen: 9.722 ng
RT: 7.432 min Scan# 739
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:128 Resp: 20803

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.3	52.3
64	51.2	37.0	77.0

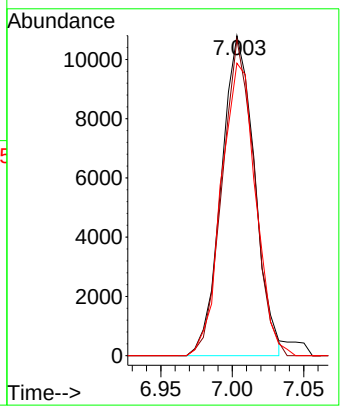




#9
Benzaldehyde
Concen: 11.020 ng m
RT: 7.003 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 77 Resp: 1745

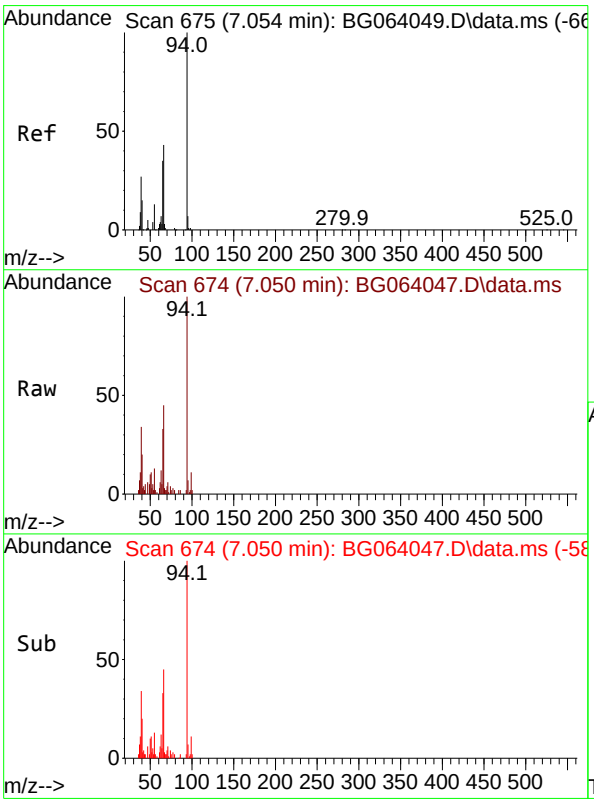
Ion	Ratio	Lower	Upper
77	100		
105	98.8	75.5	115.5
106	91.4	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

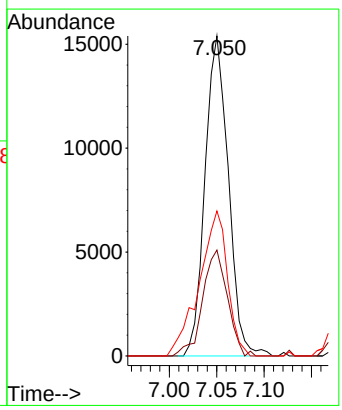
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

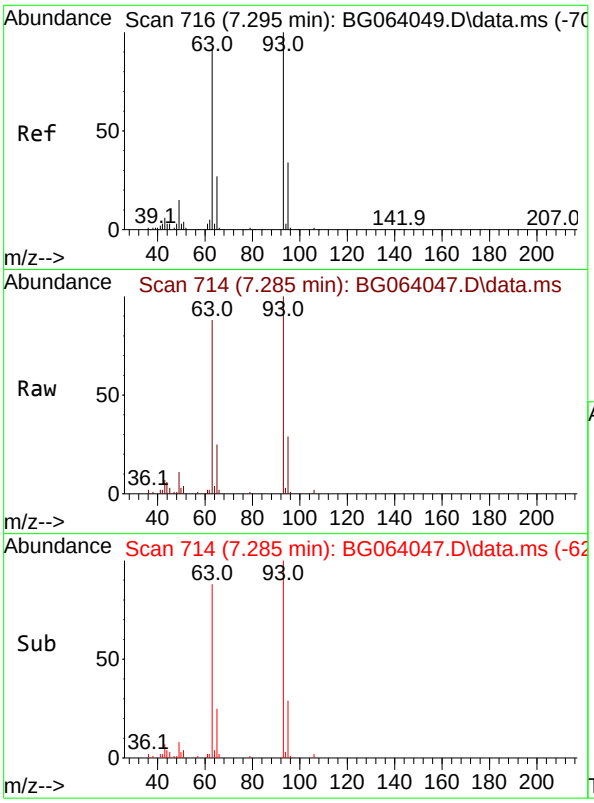


#10
Phenol
Concen: 9.487 ng
RT: 7.050 min Scan# 674
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 94 Resp: 26326

Ion	Ratio	Lower	Upper
94	100		
65	33.1	15.2	55.2
66	45.3	25.1	65.1

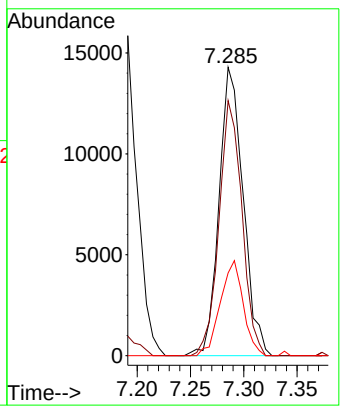




#11
bis(2-Chloroethyl)ether
Concen: 10.323 ng
RT: 7.285 min Scan# 7
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 93 Resp: 2245

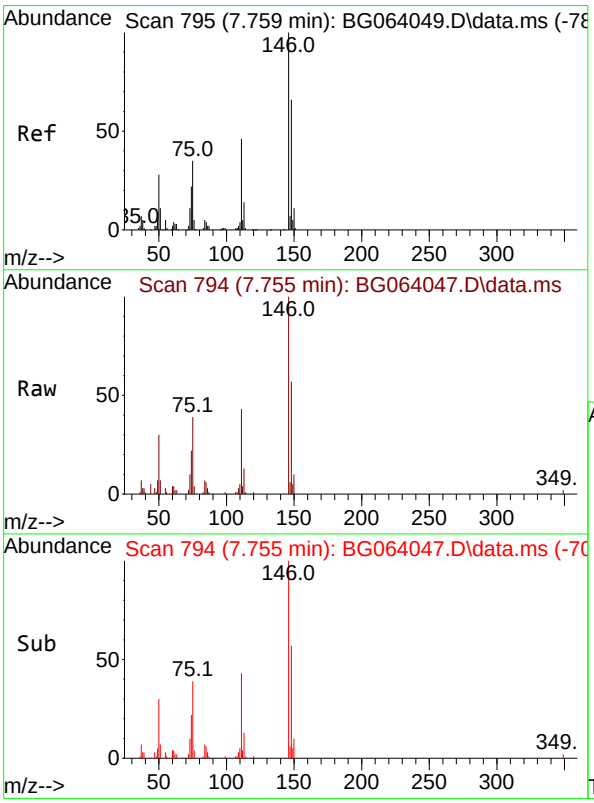
Ion	Ratio	Lower	Upper
93	100		
63	88.5	70.0	110.0
95	28.7	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

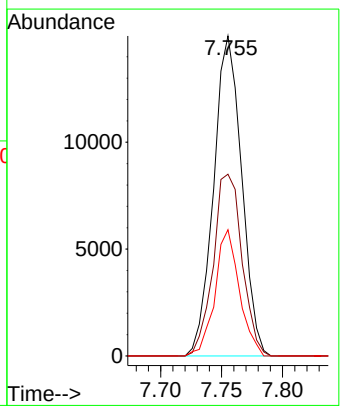
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

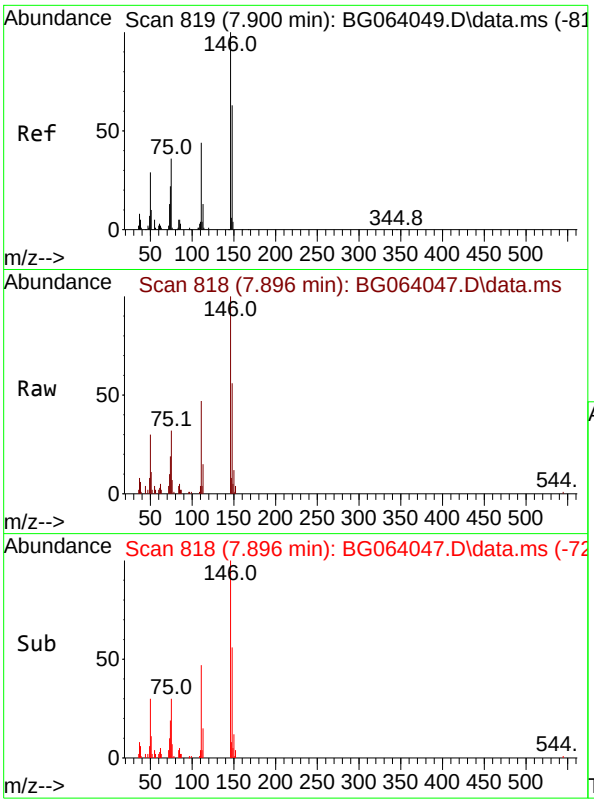


#12
1,3-Dichlorobenzene
Concen: 10.189 ng
RT: 7.755 min Scan# 794
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:146 Resp: 23941

Ion	Ratio	Lower	Upper
146	100		
148	56.8	52.6	78.8
75	39.5	28.1	42.1

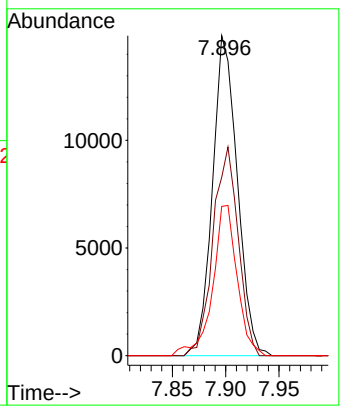




#13
1,4-Dichlorobenzene
Concen: 9.985 ng
RT: 7.896 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:146 Resp: 2404

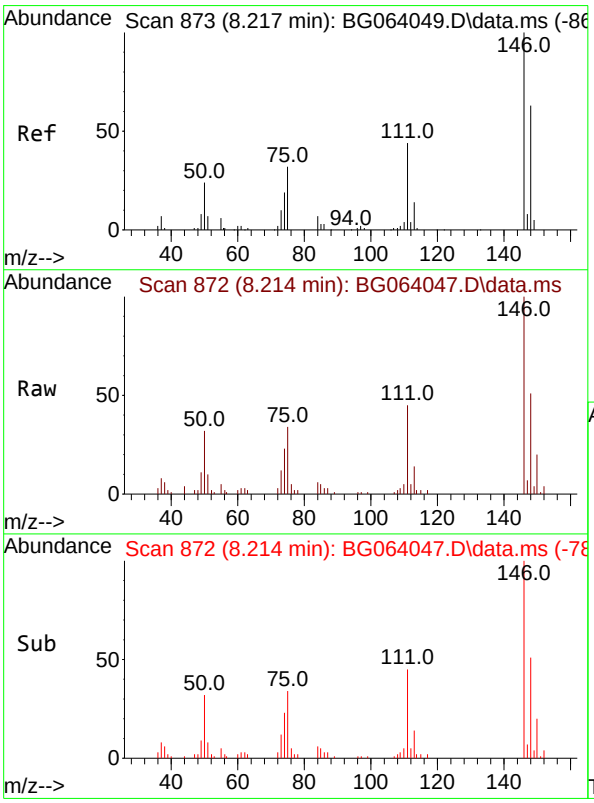
Ion	Ratio	Lower	Upper
146	100		
148	55.7	50.6	75.8
111	46.7	35.1	52.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

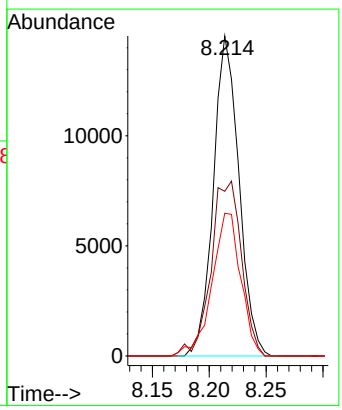
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

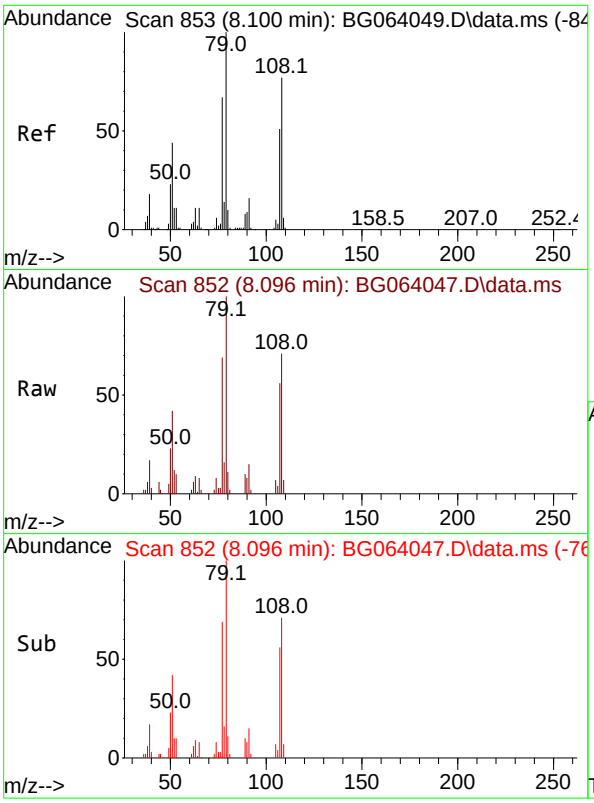


#14
1,2-Dichlorobenzene
Concen: 9.802 ng
RT: 8.214 min Scan# 872
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:146 Resp: 22764

Ion	Ratio	Lower	Upper
146	100		
148	51.4	50.2	75.2
111	44.6	36.4	54.6

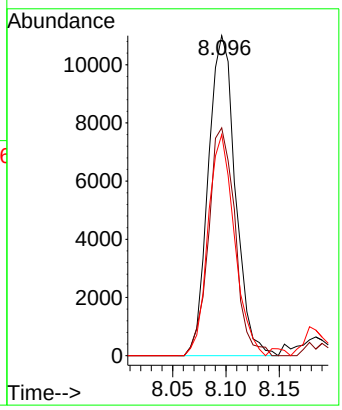




#15
Benzyl Alcohol
Concen: 9.274 ng
RT: 8.096 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 79 Resp: 1942

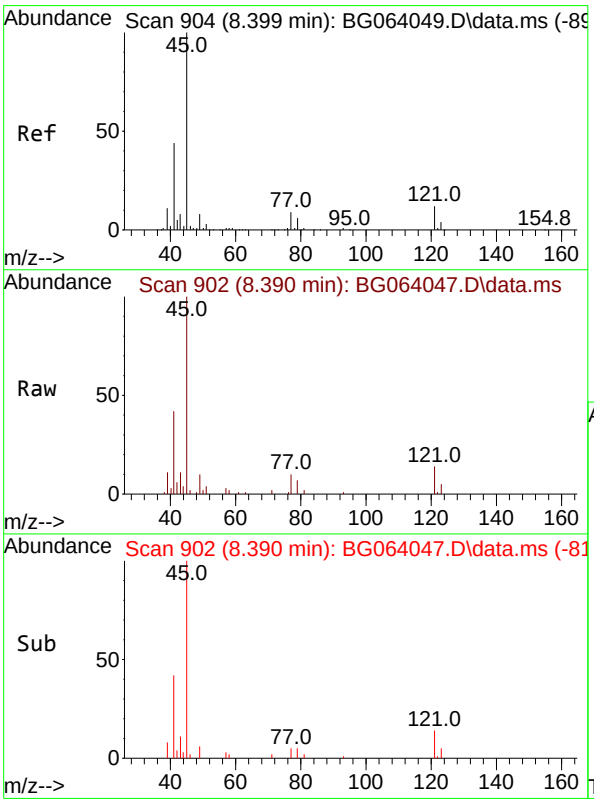
Ion	Ratio	Lower	Upper
79	100		
108	71.2	61.7	92.5
77	69.0	53.9	80.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

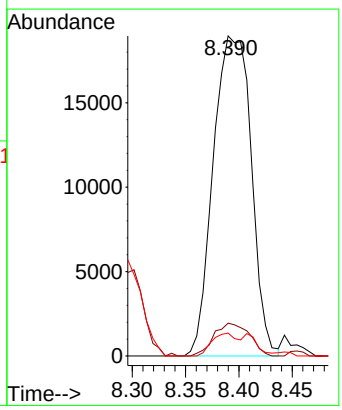
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

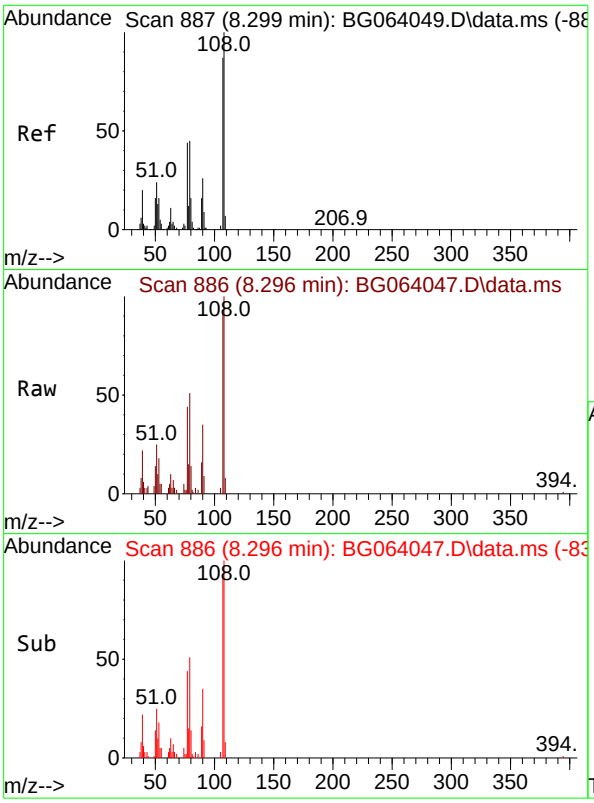


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.615 ng
RT: 8.390 min Scan# 902
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 45 Resp: 47034

Ion	Ratio	Lower	Upper
45	100		
77	10.3	0.0	29.0
79	7.1	0.0	26.6

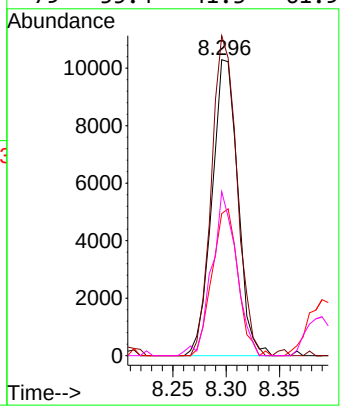




#17
2-Methylphenol
Concen: 9.424 ng
RT: 8.296 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:107 Resp: 1735

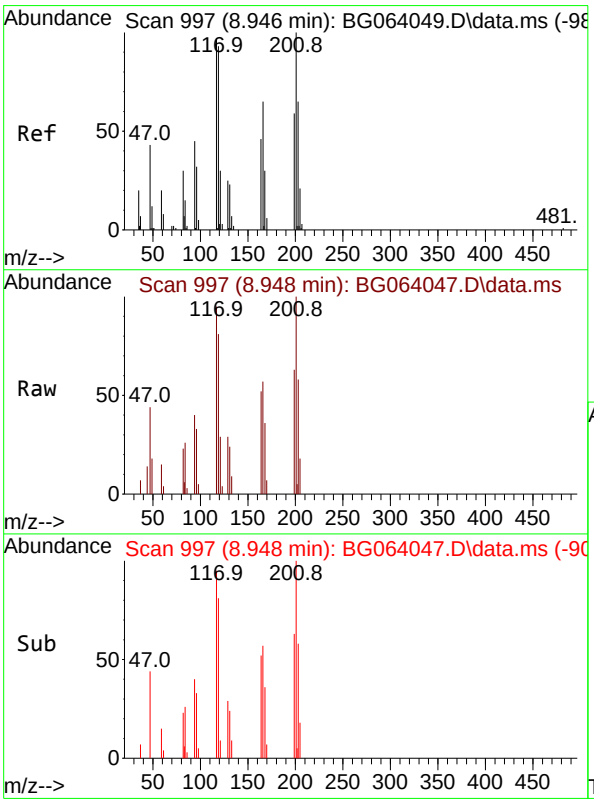
Ion	Ratio	Lower	Upper
107	100		
108	108.1	92.5	138.7
77	48.0	40.5	60.7
79	55.4	41.3	61.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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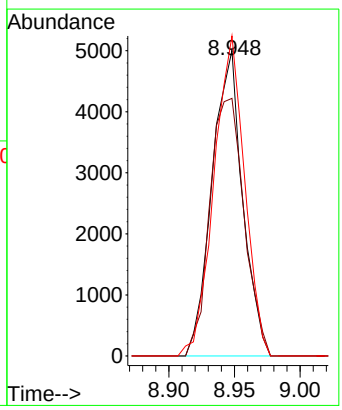
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

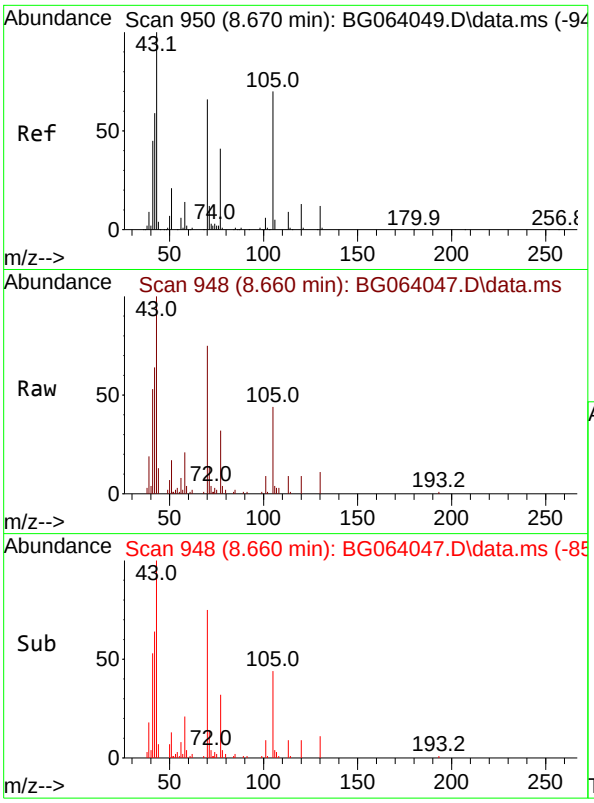


#18
Hexachloroethane
Concen: 9.583 ng
RT: 8.948 min Scan# 997
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:117 Resp: 8075

Ion	Ratio	Lower	Upper
117	100		
119	84.3	76.2	114.2
201	110.2	81.5	122.3

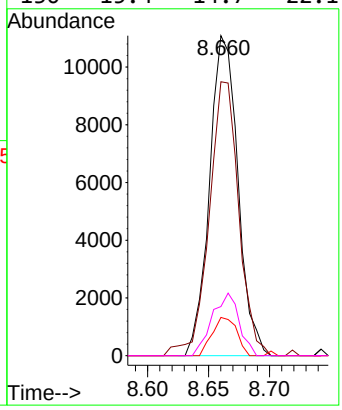




#19
n-Nitroso-di-n-propylamine
Concen: 9.461 ng
RT: 8.660 min Scan# 94
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 70 Resp: 1799

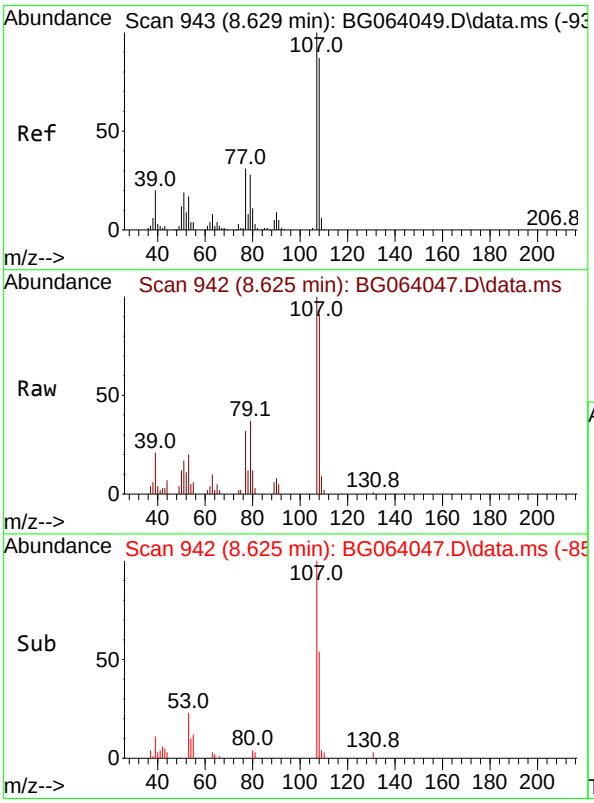
Ion	Ratio	Lower	Upper
70	100		
42	85.6	72.1	108.1
101	12.0	7.2	10.8
130	15.4	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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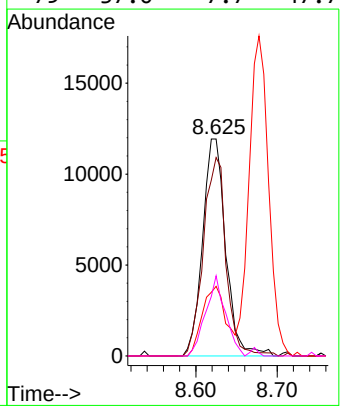
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

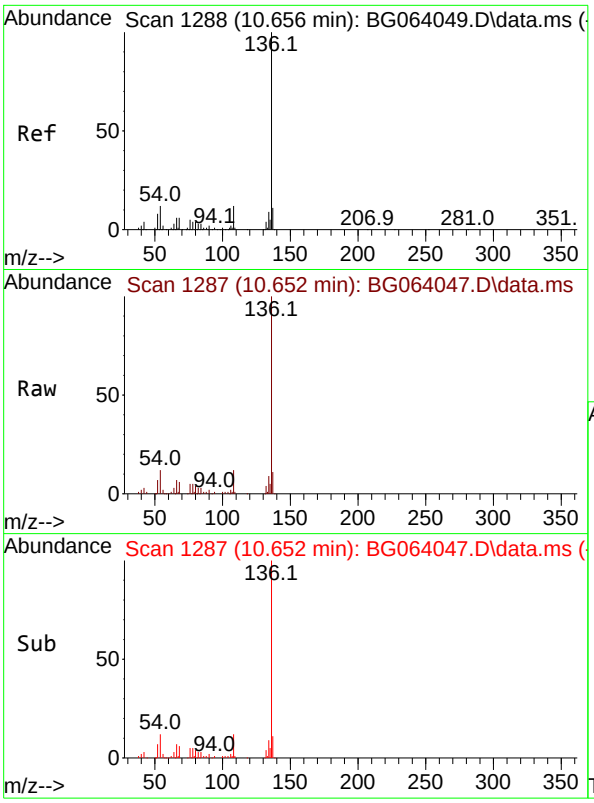


#20
3+4-Methylphenols
Concen: 9.313 ng
RT: 8.625 min Scan# 942
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:107 Resp: 23611

Ion	Ratio	Lower	Upper
107	100		
108	91.4	67.0	107.0
77	32.0	11.2	51.2
79	37.0	7.7	47.7

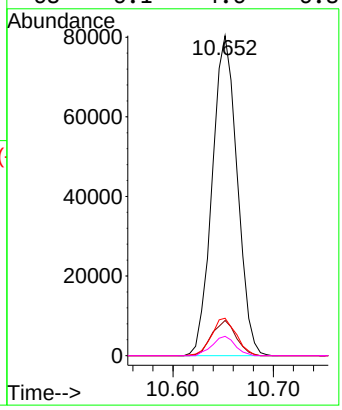




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:136 Resp: 13904

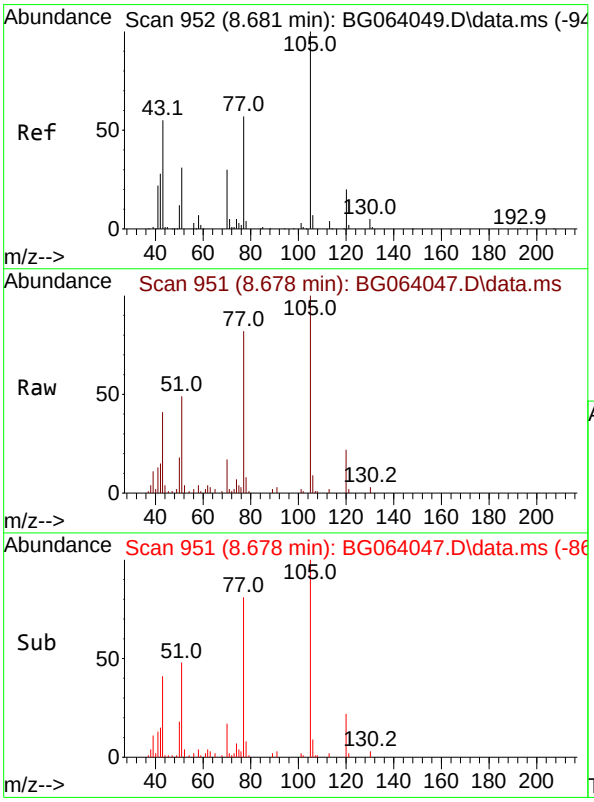
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	11.7	9.9	14.9
68	6.1	4.6	6.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

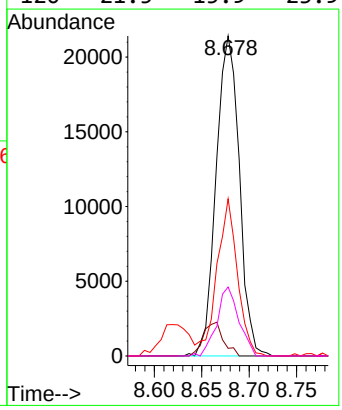
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

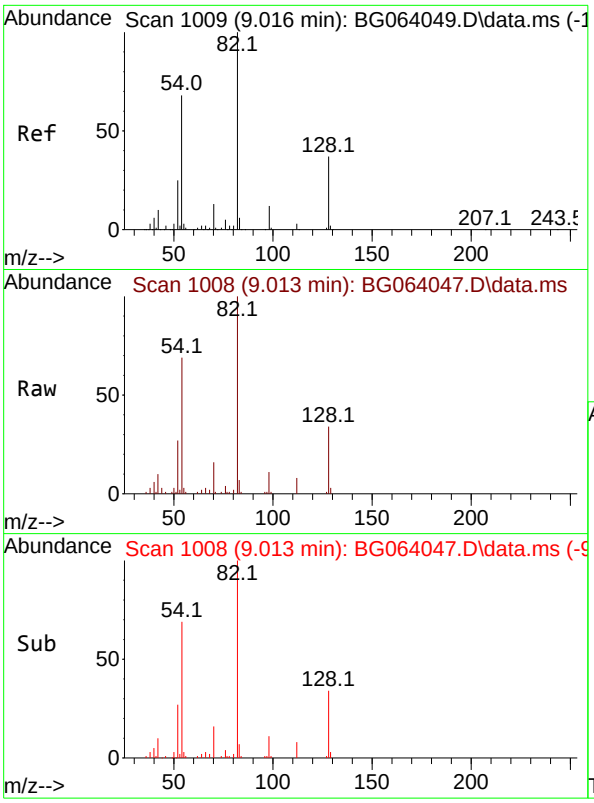


#22
Acetophenone
Concen: 9.566 ng
RT: 8.678 min Scan# 951
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:105 Resp: 36468

Ion	Ratio	Lower	Upper
105	100		
71	2.4	4.2	6.4#
51	49.1	33.3	49.9
120	21.5	15.9	23.9

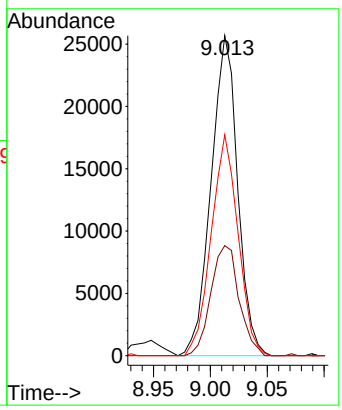




#23
Nitrobenzene-d5
Concen: 16.583 ng
RT: 9.013 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 82 Resp: 4172

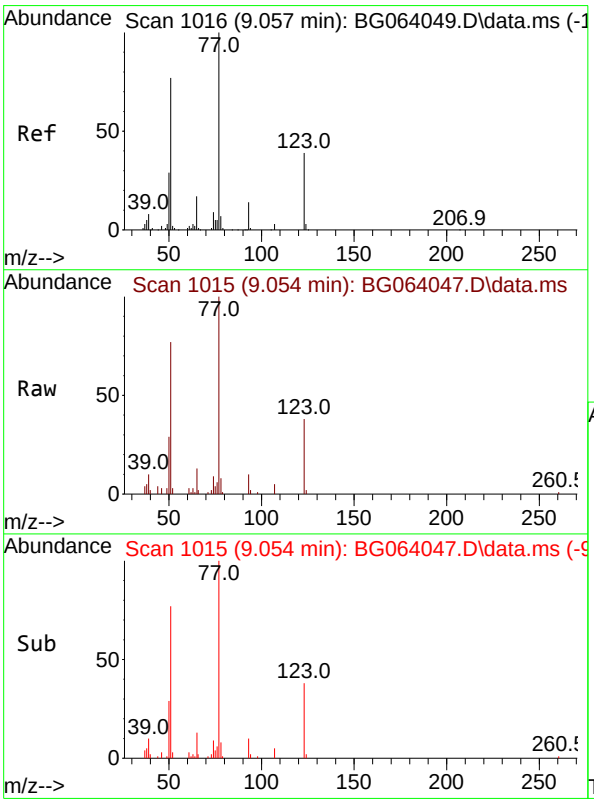
Ion	Ratio	Lower	Upper
82	100		
128	34.4	30.0	45.0
54	69.0	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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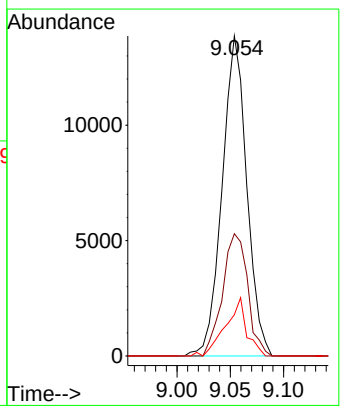
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

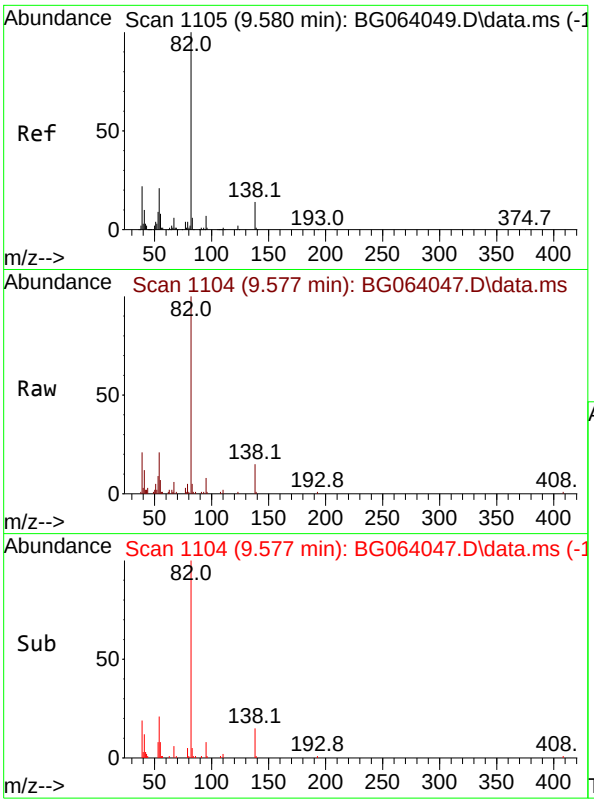


#24
Nitrobenzene
Concen: 8.554 ng
RT: 9.054 min Scan# 1015
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 77 Resp: 22242

Ion	Ratio	Lower	Upper
77	100		
123	38.2	31.4	47.2
65	12.9	13.4	20.0#

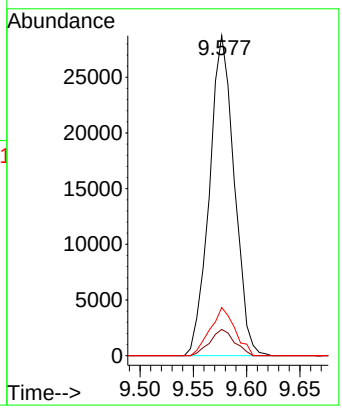




#25
Isophorone
Concen: 9.284 ng
RT: 9.577 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 82 Resp: 4675

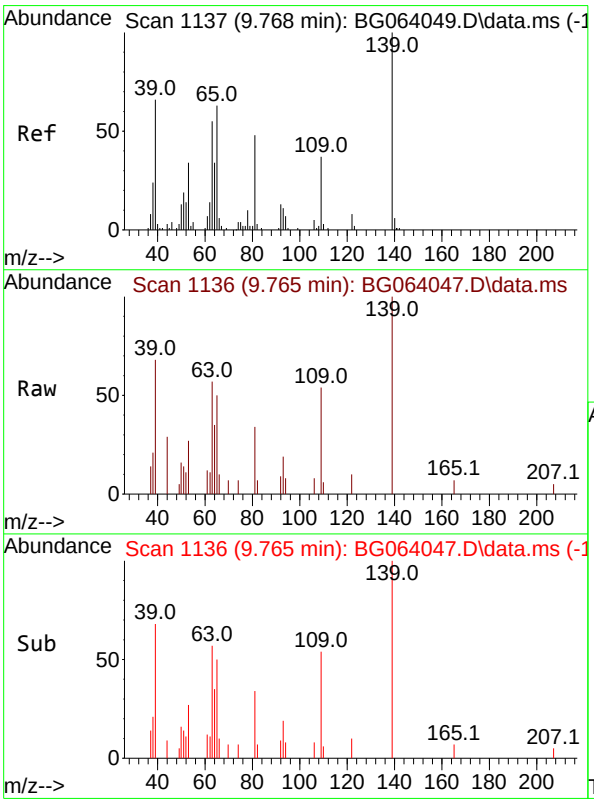
Ion	Ratio	Lower	Upper
82	100		
95	8.2	5.8	8.8
138	15.1	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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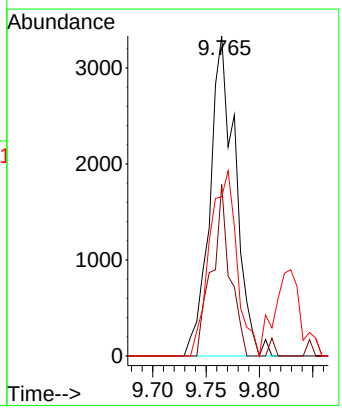
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

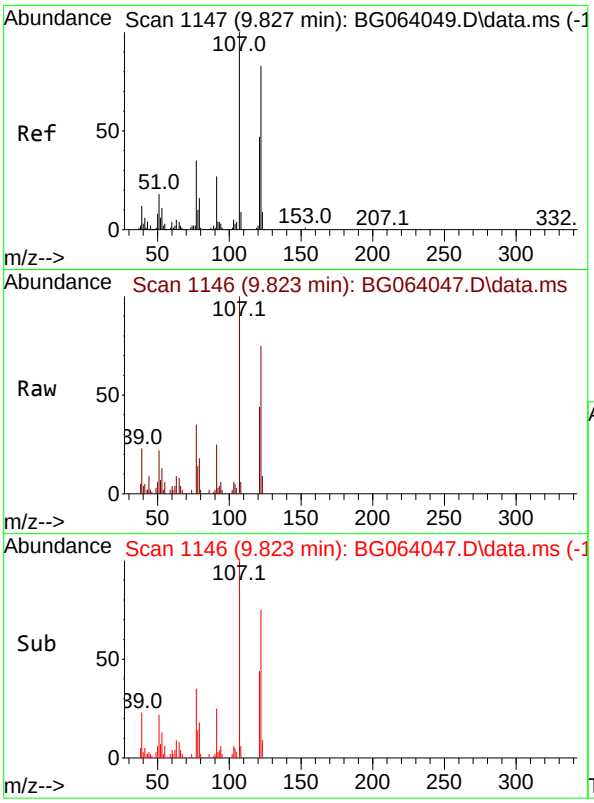


#26
2-Nitrophenol
Concen: 9.891 ng
RT: 9.765 min Scan# 1136
Delta R.T. -0.003 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:139 Resp: 5521

Ion	Ratio	Lower	Upper
139	100		
109	53.6	29.9	44.9#
65	49.7	50.6	76.0#

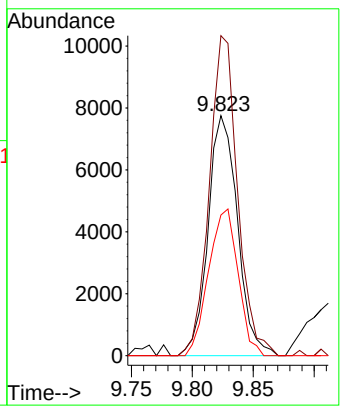




#27
2,4-Dimethylphenol
Concen: 8.631 ng
RT: 9.823 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:122 Resp: 1303

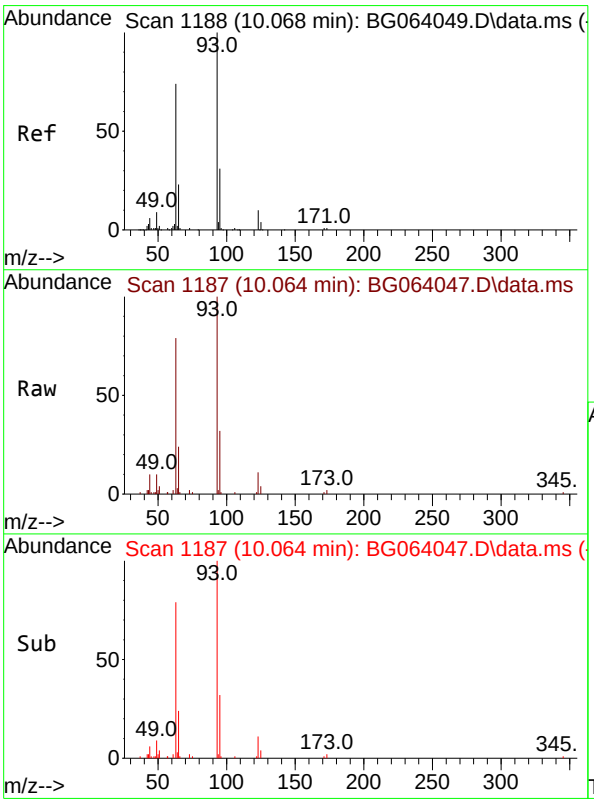
Ion	Ratio	Lower	Upper
122	100		
107	133.3	95.4	143.0
121	58.6	44.9	67.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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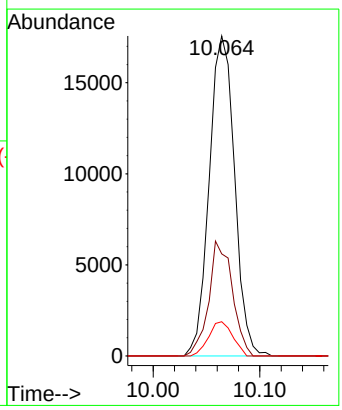
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

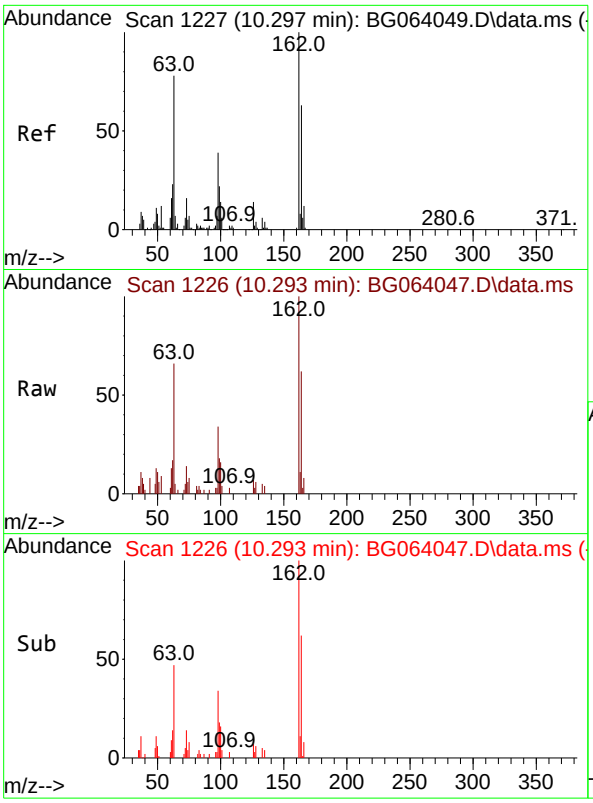


#28
bis(2-Chloroethoxy)methane
Concen: 9.488 ng
RT: 10.064 min Scan# 1187
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 93 Resp: 28970

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.0	37.4
123	10.7	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 8.726 ng
RT: 10.293 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

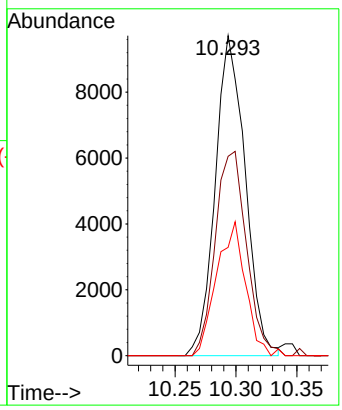
Tgt Ion:162 Resp: 1663

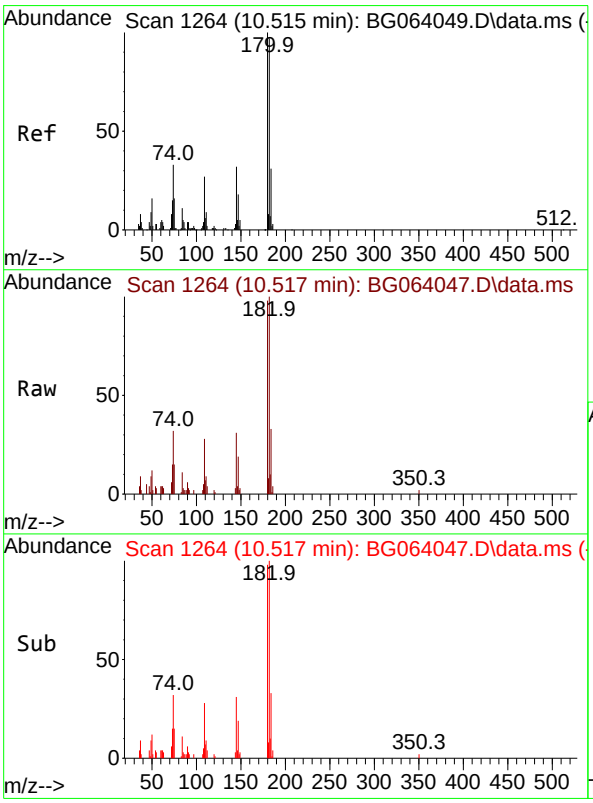
Ion	Ratio	Lower	Upper
162	100		
164	62.3	42.8	82.8
98	33.9	19.1	59.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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Reviewed By :Jagrut Upadhyay 03/06/2025
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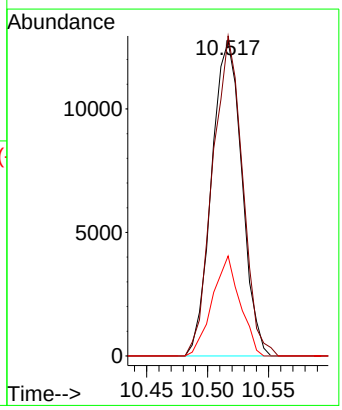


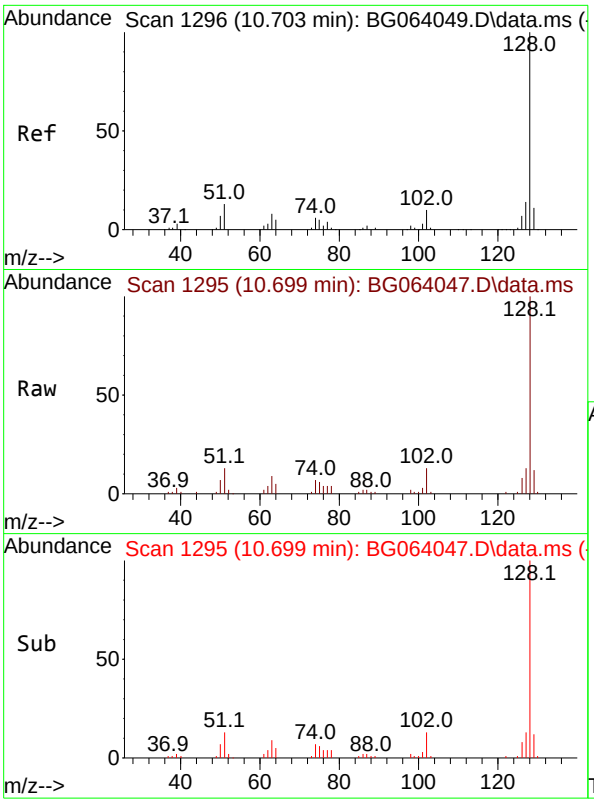


#30
1,2,4-Trichlorobenzene
Concen: 9.579 ng
RT: 10.517 min Scan# 1264
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:180 Resp: 22045

Ion	Ratio	Lower	Upper
180	100		
182	101.7	77.3	115.9
145	31.8	25.2	37.8

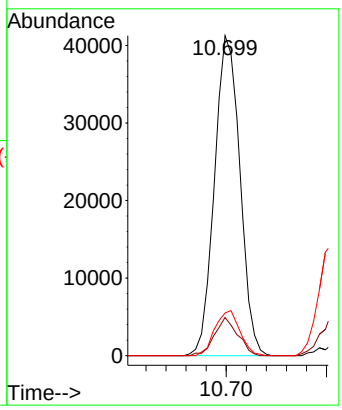




#31
Naphthalene
Concen: 9.669 ng
RT: 10.699 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:128 Resp: 7249

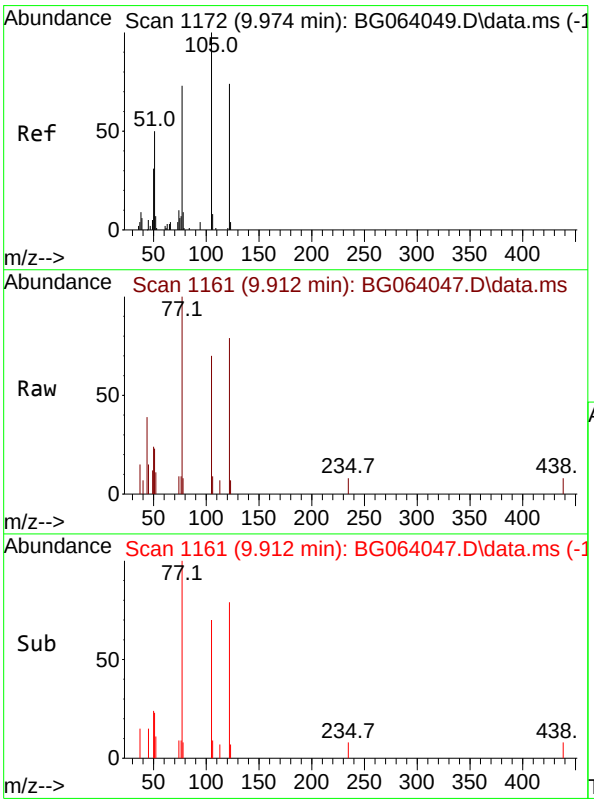
Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.4	12.6
127	13.4	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

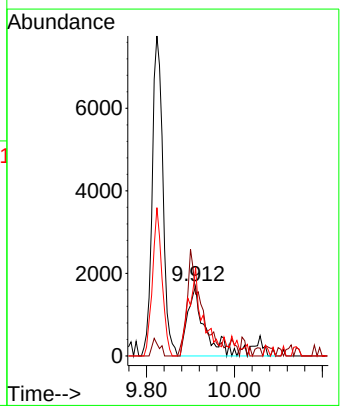
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

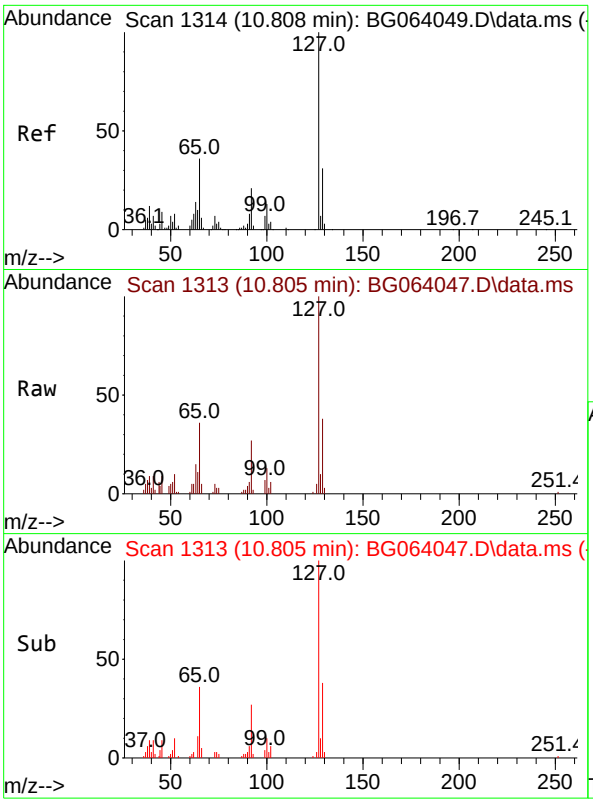


#32
Benzoic acid
Concen: 11.884 ng m
RT: 9.912 min Scan# 1161
Delta R.T. -0.062 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:122 Resp: 5442

Ion	Ratio	Lower	Upper
122	100		
105	88.5	115.0	155.0#
77	126.7	80.9	120.9#

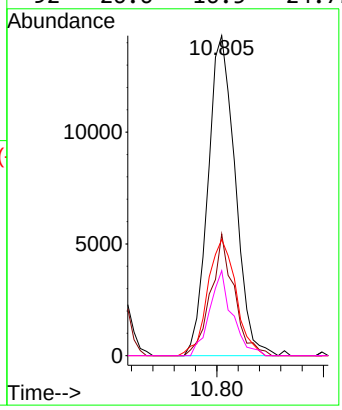




#33
4-Chloroaniline
Concen: 9.226 ng
RT: 10.805 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:127 Resp: 2528

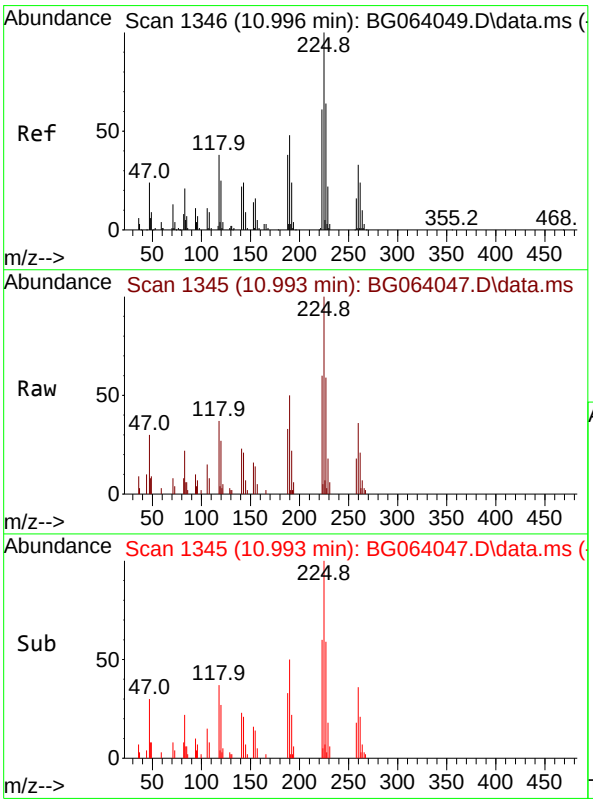
Ion	Ratio	Lower	Upper
127	100		
129	38.0	25.0	37.4#
65	36.3	28.5	42.7
92	26.6	16.5	24.7#



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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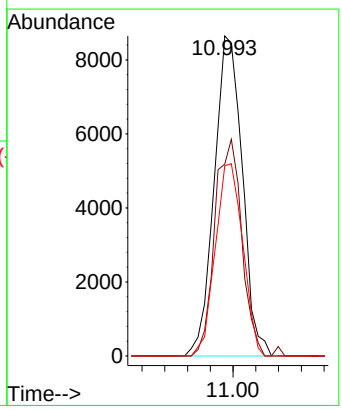
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

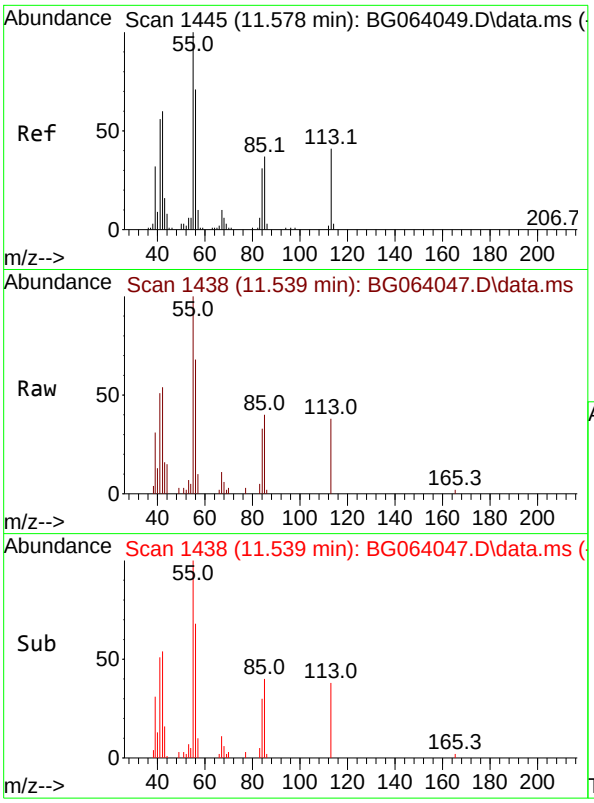


#34
Hexachlorobutadiene
Concen: 9.830 ng
RT: 10.993 min Scan# 1345
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:225 Resp: 14828

Ion	Ratio	Lower	Upper
225	100		
223	60.0	48.5	72.7
227	62.9	51.0	76.6

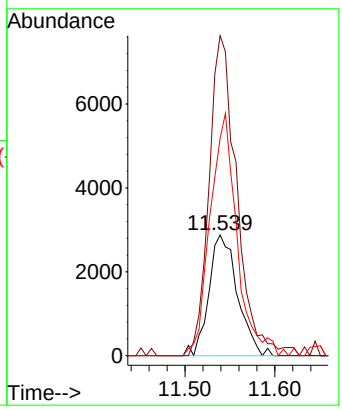




#35
Caprolactam
Concen: 8.702 ng
RT: 11.539 min Scan# 14
Delta R.T. -0.039 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:113 Resp: 635

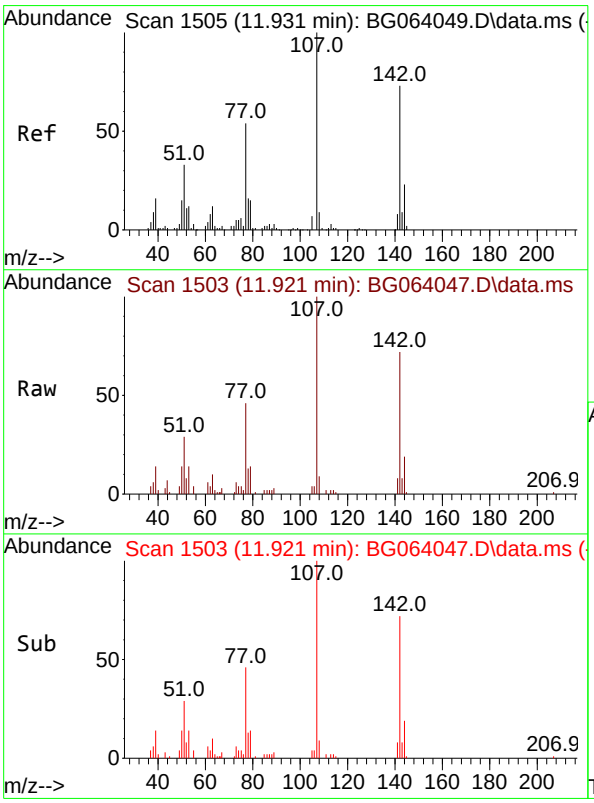
Ion	Ratio	Lower	Upper
113	100		
55	265.4	225.2	265.2
56	180.2	153.4	193.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

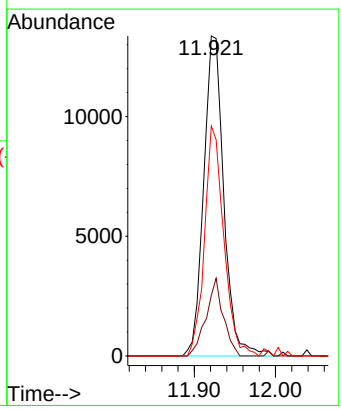
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

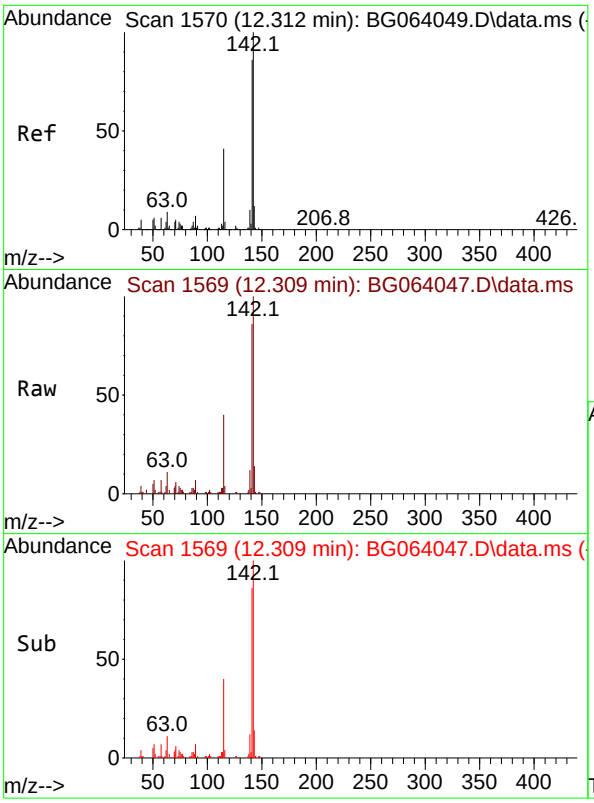


#36
4-Chloro-3-methylphenol
Concen: 9.192 ng
RT: 11.921 min Scan# 1503
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:107 Resp: 22970

Ion	Ratio	Lower	Upper
107	100		
144	19.0	18.6	28.0
142	71.8	58.0	87.0

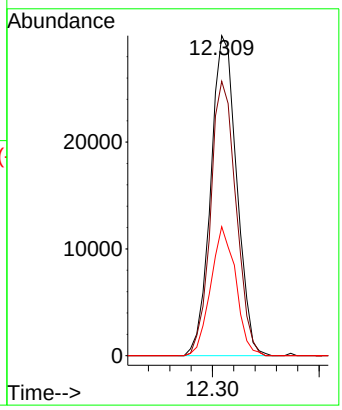




#37
2-Methylnaphthalene
Concen: 9.552 ng
RT: 12.309 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:142 Resp: 5055

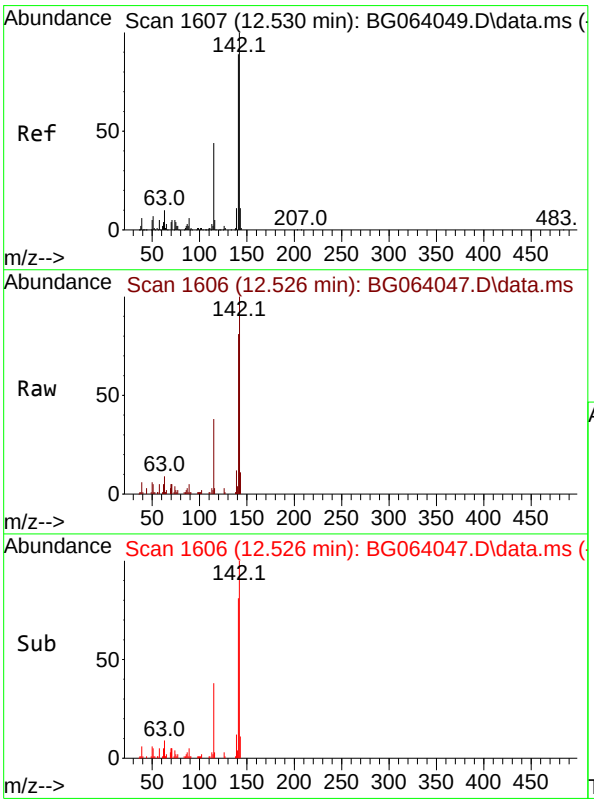
Ion	Ratio	Lower	Upper
142	100		
141	85.8	68.6	103.0
115	40.3	32.8	49.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

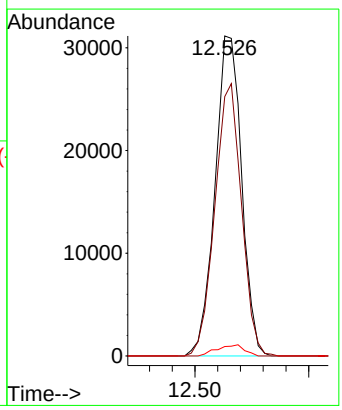
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

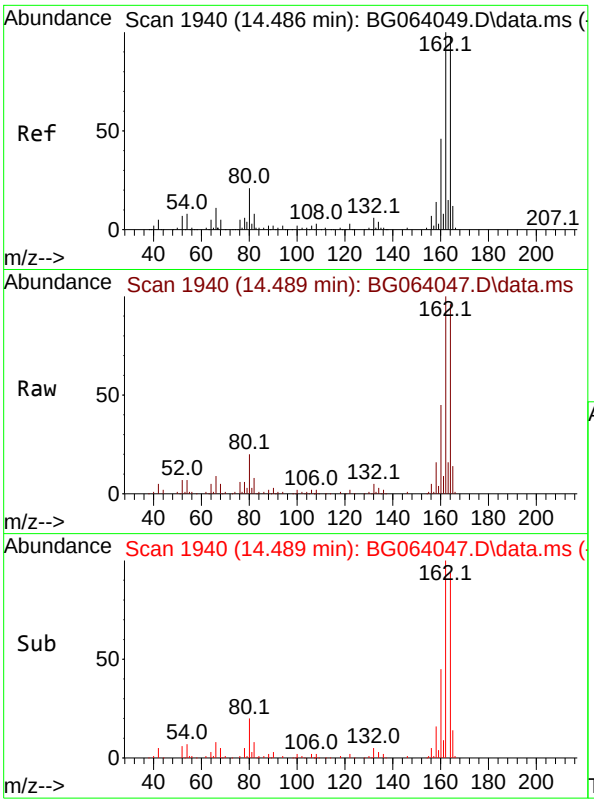


#38
1-Methylnaphthalene
Concen: 9.762 ng
RT: 12.526 min Scan# 1606
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:142 Resp: 50620

Ion	Ratio	Lower	Upper
142	100		
141	81.1	71.2	106.8
116	3.0	3.6	5.4#

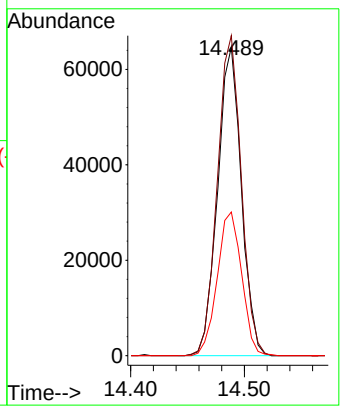




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.489 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:164 Resp: 9375

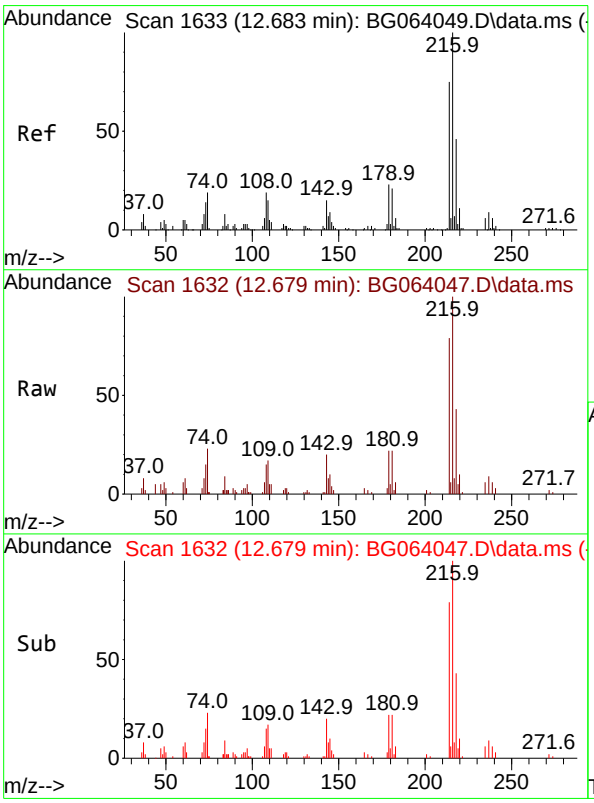
Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.4	122.0
160	46.5	37.0	55.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

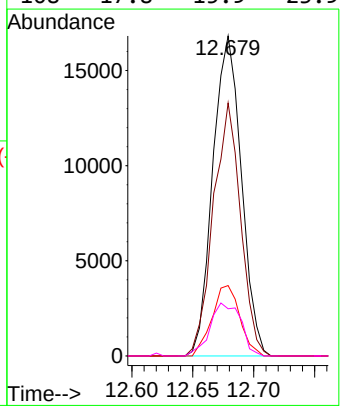
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

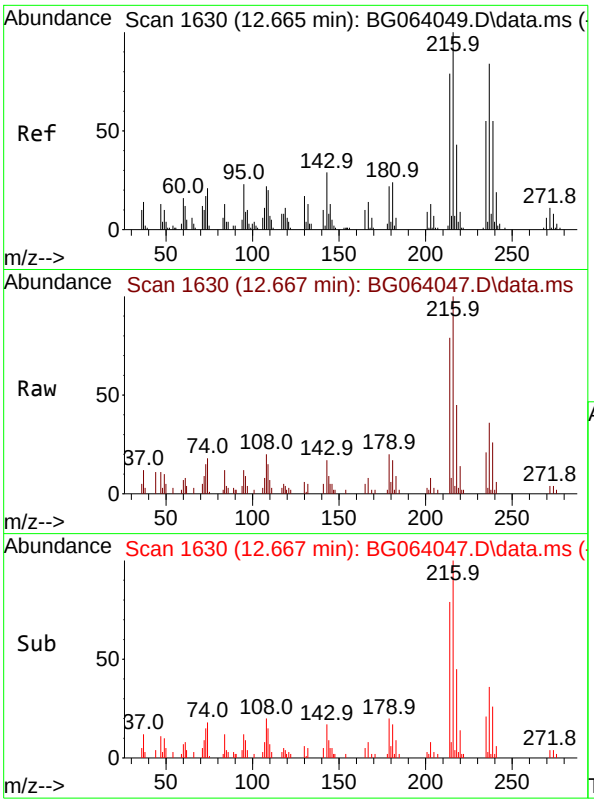


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.232 ng
RT: 12.679 min Scan# 1632
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:216 Resp: 27386

Ion	Ratio	Lower	Upper
216	100		
214	75.7	61.7	92.5
179	21.6	17.9	26.9
108	17.8	15.9	23.9

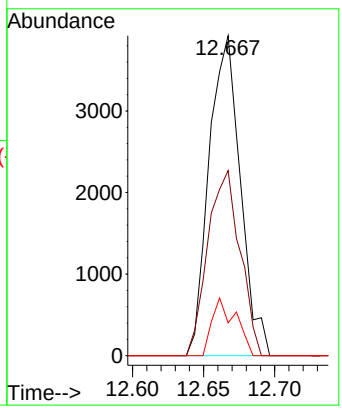




#41
Hexachlorocyclopentadiene
Concen: 7.985 ng
RT: 12.667 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:237 Resp: 601

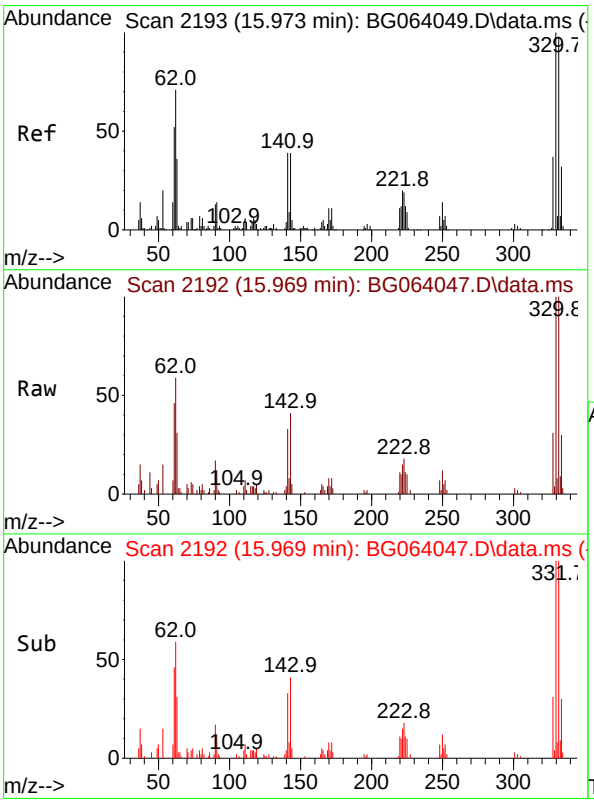
Ion	Ratio	Lower	Upper
237	100		
235	57.9	46.0	86.0
272	10.2	0.0	32.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

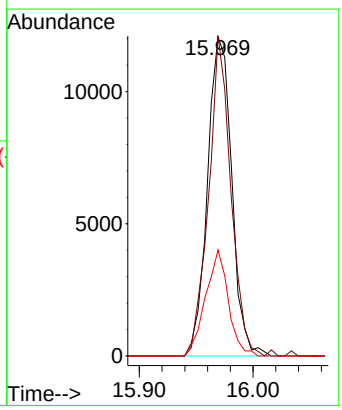
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

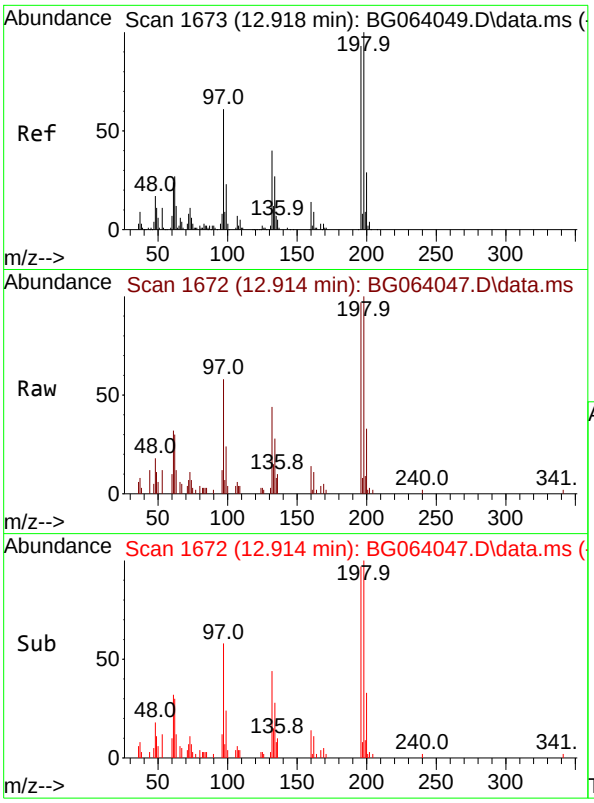


#42
2,4,6-Tribromophenol
Concen: 17.174 ng
RT: 15.969 min Scan# 2192
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:330 Resp: 17898

Ion	Ratio	Lower	Upper
330	100		
332	91.7	76.7	115.1
141	31.2	29.7	44.5

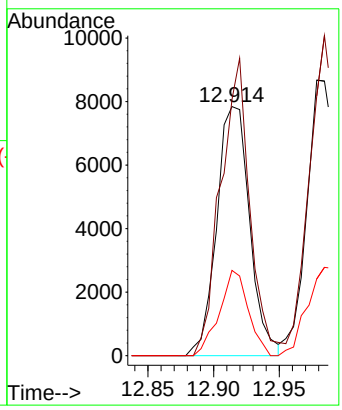




#43
2,4,6-Trichlorophenol
Concen: 8.693 ng
RT: 12.914 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:196 Resp: 1371

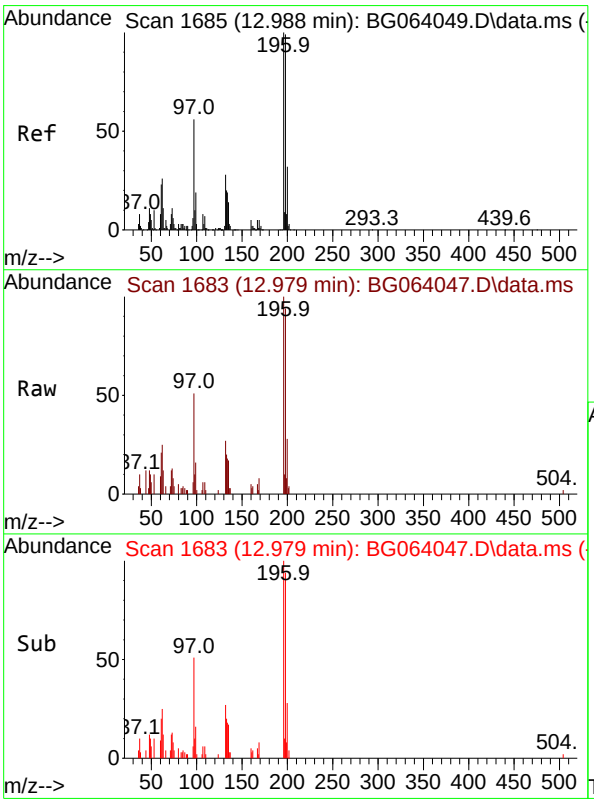
Ion	Ratio	Lower	Upper
196	100		
198	102.8	85.6	128.4
200	36.2	24.6	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

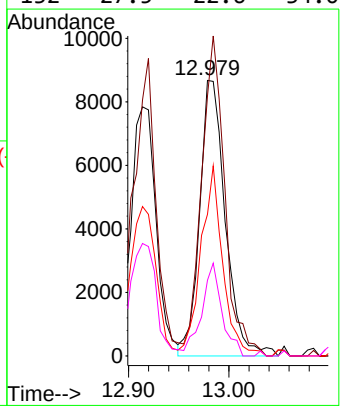
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

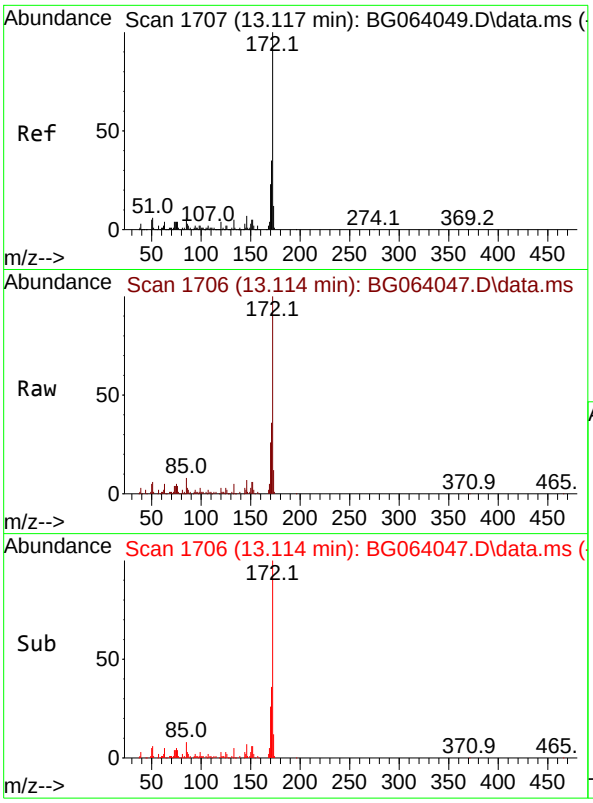


#44
2,4,5-Trichlorophenol
Concen: 8.825 ng
RT: 12.979 min Scan# 1683
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:196 Resp: 15468

Ion	Ratio	Lower	Upper
196	100		
198	94.3	79.5	119.3
97	51.4	45.2	67.8
132	27.5	22.6	34.0

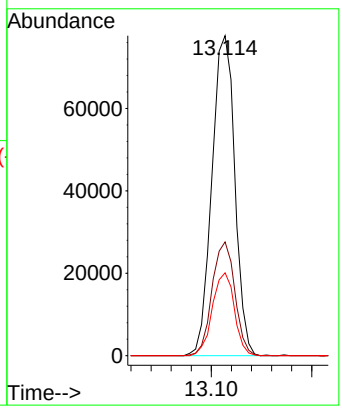




#45
2-Fluorobiphenyl
Concen: 19.881 ng
RT: 13.114 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:172 Resp: 12279

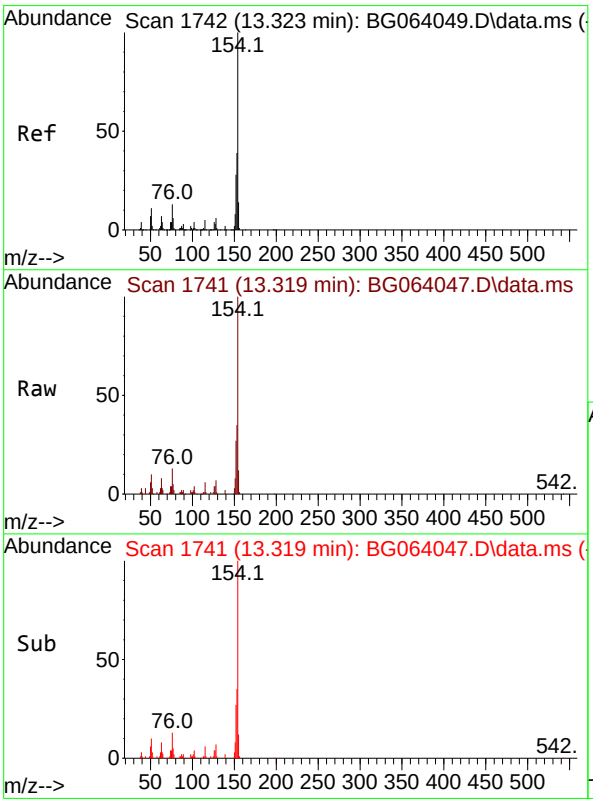
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.0	42.0
170	25.9	18.7	28.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

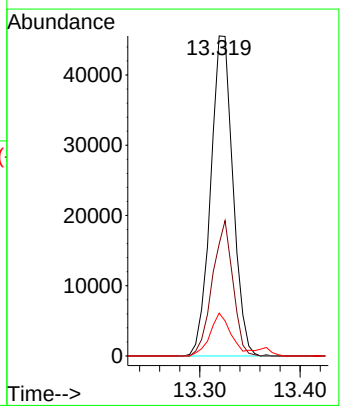
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

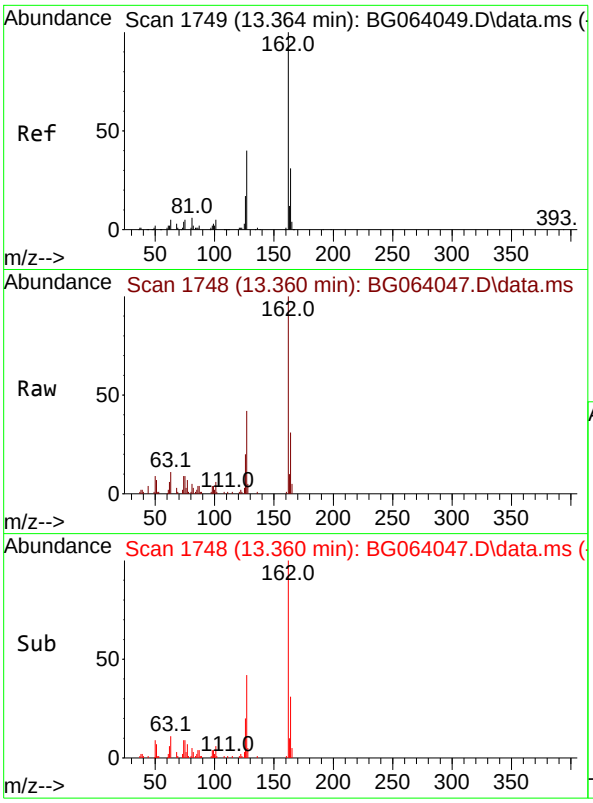


#46
1,1'-Biphenyl
Concen: 9.918 ng
RT: 13.319 min Scan# 1741
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:154 Resp: 70250

Ion	Ratio	Lower	Upper
154	100		
153	35.0	19.5	59.5
76	13.4	0.0	33.5

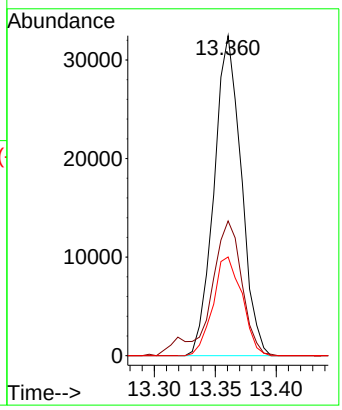




#47
2-Chloronaphthalene
Concen: 9.755 ng
RT: 13.360 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:162 Resp: 5039

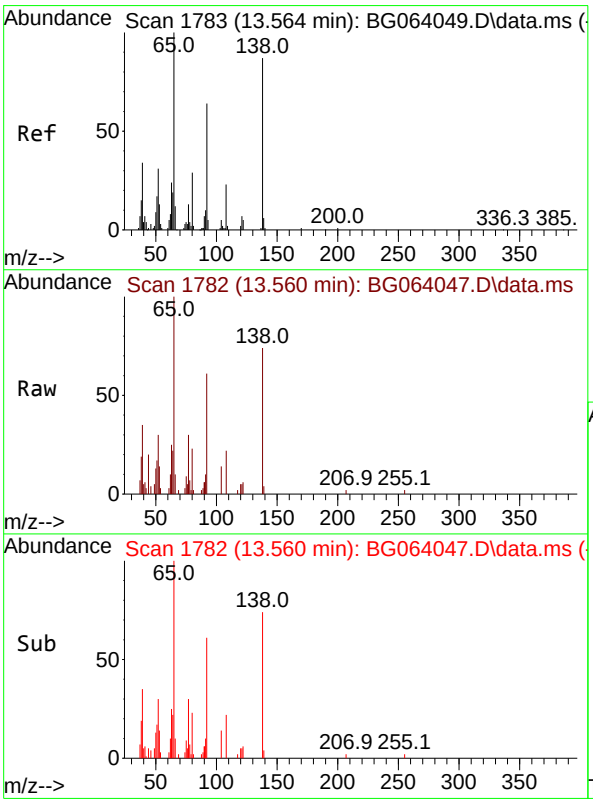
Ion	Ratio	Lower	Upper
162	100		
127	42.1	35.0	52.4
164	30.8	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

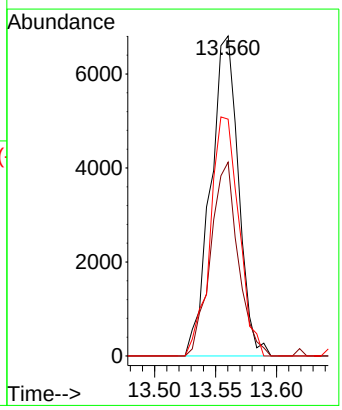
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

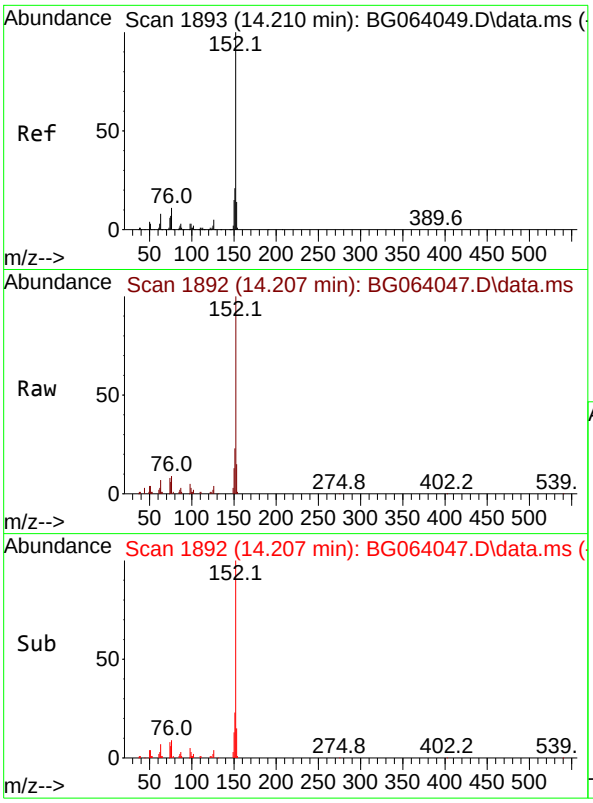


#48
2-Nitroaniline
Concen: 9.850 ng
RT: 13.560 min Scan# 1782
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 65 Resp: 10834

Ion	Ratio	Lower	Upper
65	100		
92	60.6	51.2	76.8
138	74.0	69.4	104.2

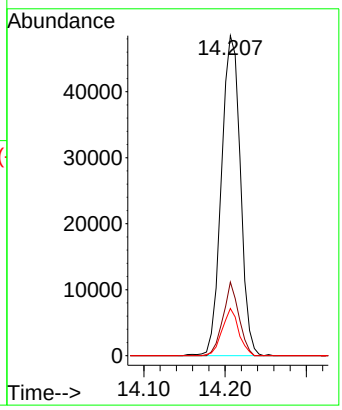




#49
Acenaphthylene
Concen: 9.621 ng
RT: 14.207 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:152 Resp: 7861

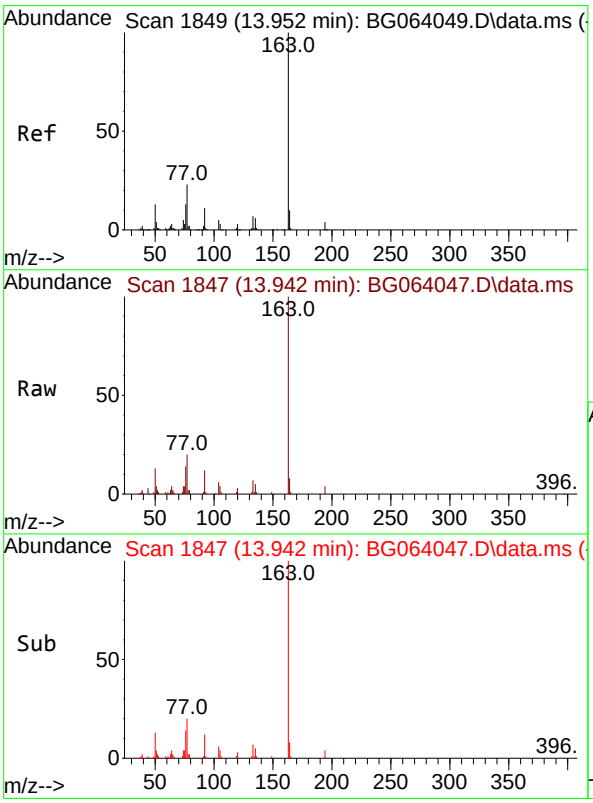
Ion	Ratio	Lower	Upper
152	100		
151	23.0	16.4	24.6
153	14.8	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

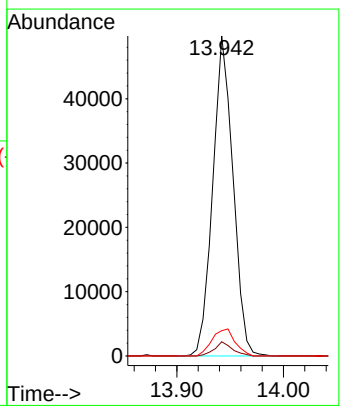
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

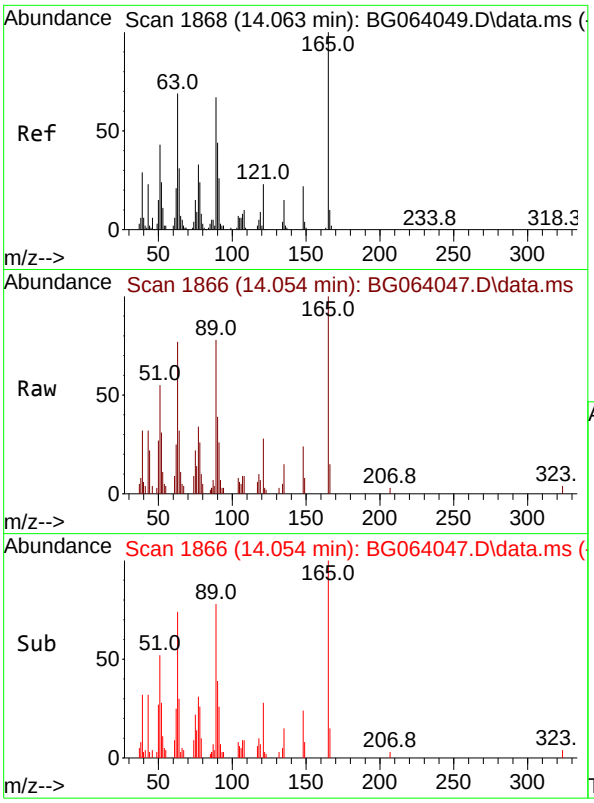


#50
Dimethylphthalate
Concen: 9.487 ng
RT: 13.942 min Scan# 1847
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:163 Resp: 65659

Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.8	4.2#
164	7.9	8.2	12.2#

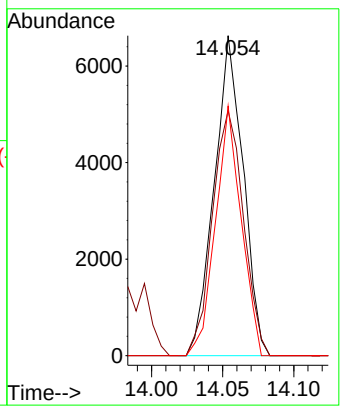




#51
2,6-Dinitrotoluene
Concen: 9.566 ng
RT: 14.054 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:165 Resp: 937

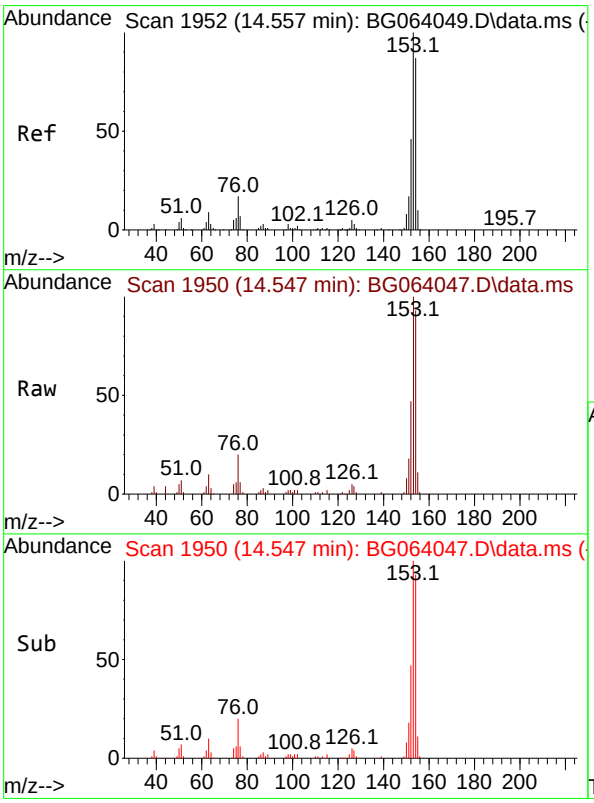
Ion	Ratio	Lower	Upper
165	100		
63	76.6	56.7	85.1
89	78.0	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

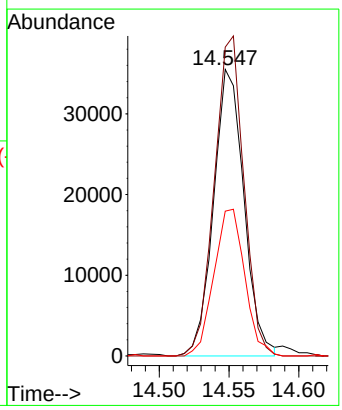
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

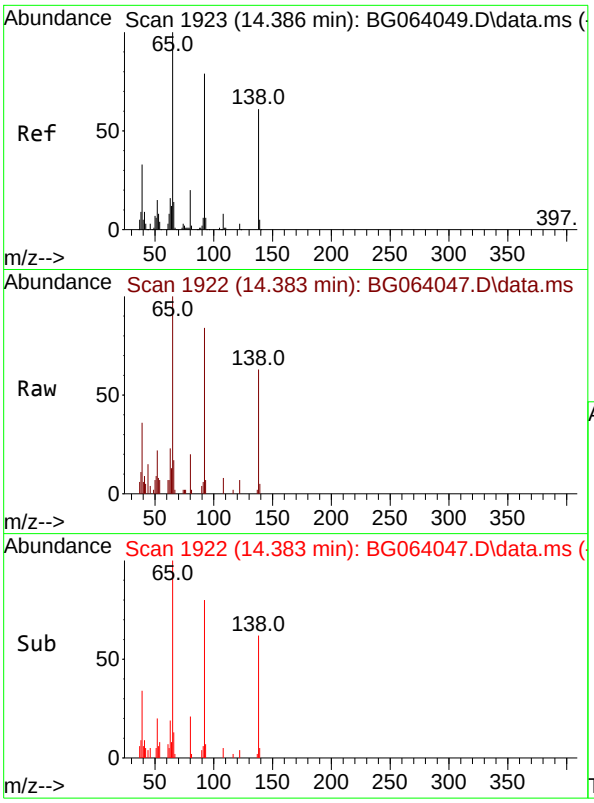


#52
Acenaphthene
Concen: 9.797 ng m
RT: 14.547 min Scan# 1950
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:154 Resp: 53833

Ion	Ratio	Lower	Upper
154	100		
153	107.8	91.6	137.4
152	50.6	42.5	63.7





#53
3-Nitroaniline
Concen: 7.997 ng
RT: 14.383 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

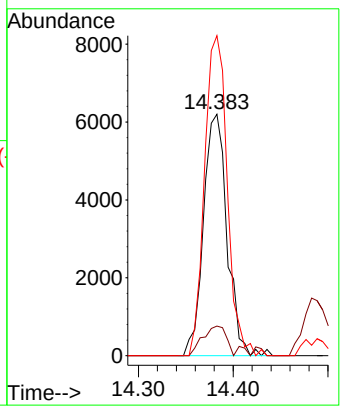
Tgt Ion:138 Resp: 1069

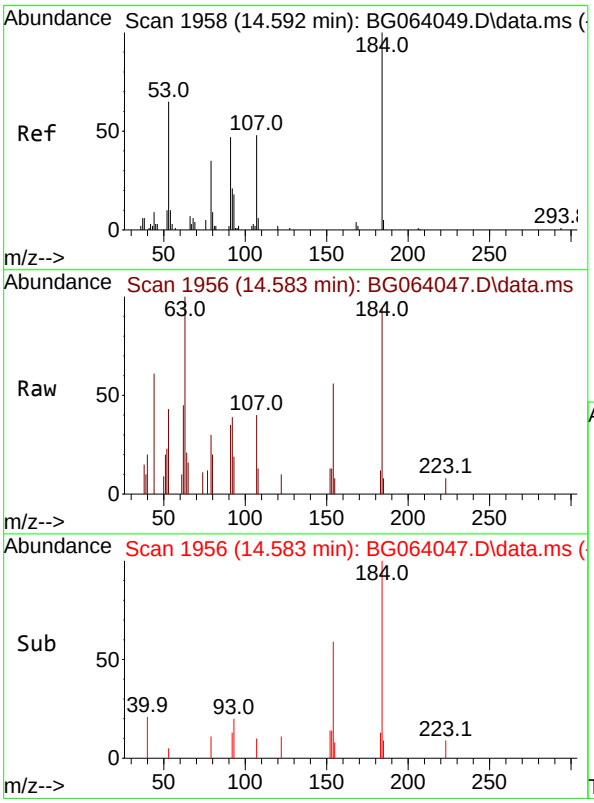
Ion	Ratio	Lower	Upper
138	100		
108	12.3	10.1	15.1
92	132.5	104.1	156.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

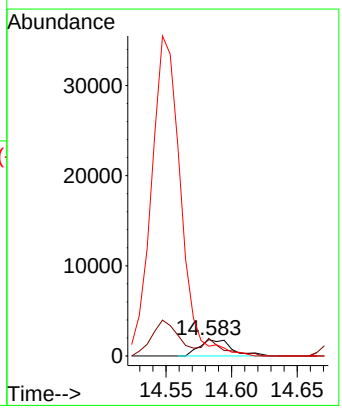


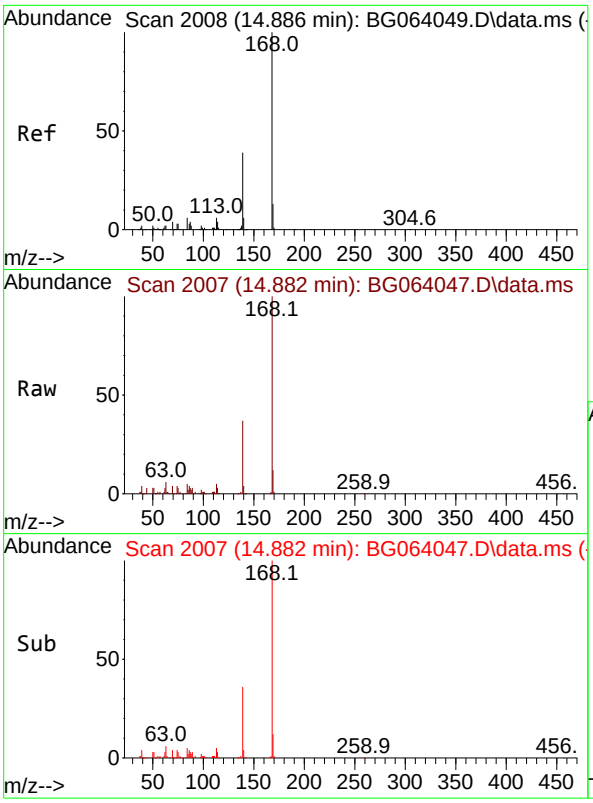


#54
2,4-Dinitrophenol
Concen: 12.640 ng
RT: 14.583 min Scan# 1956
Delta R.T. -0.009 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:184 Resp: 3090

Ion	Ratio	Lower	Upper
184	100		
63	106.9	57.5	86.3#
154	59.5	52.3	78.5

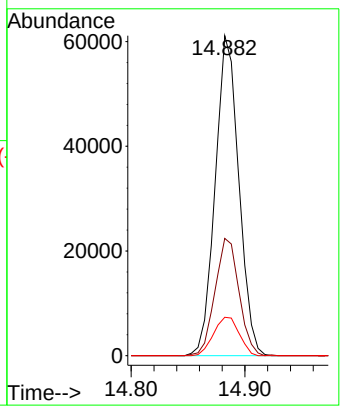




#55
Dibenzofuran
Concen: 9.924 ng
RT: 14.882 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:168 Resp: 8816

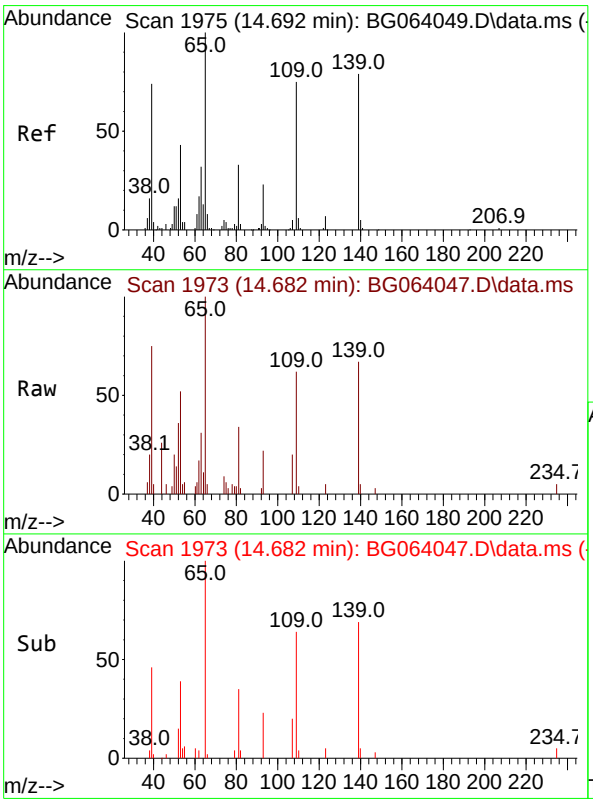
Ion	Ratio	Lower	Upper
168	100		
139	36.7	31.1	46.7
169	12.0	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

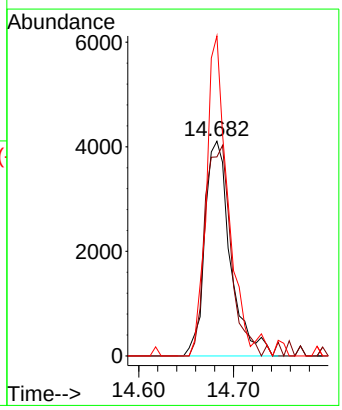
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

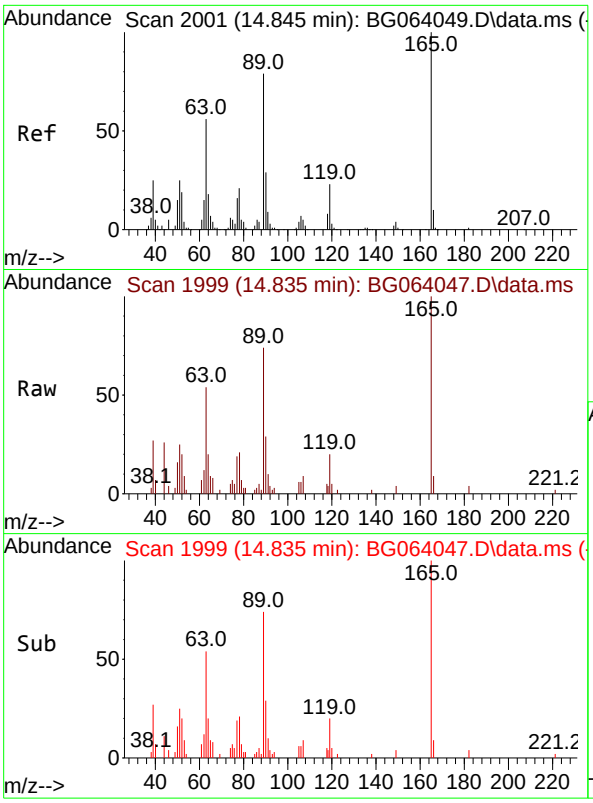


#56
4-Nitrophenol
Concen: 6.849 ng
RT: 14.682 min Scan# 1973
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:139 Resp: 7683

Ion	Ratio	Lower	Upper
139	100		
109	92.7	74.9	114.9
65	149.0	106.8	146.8#

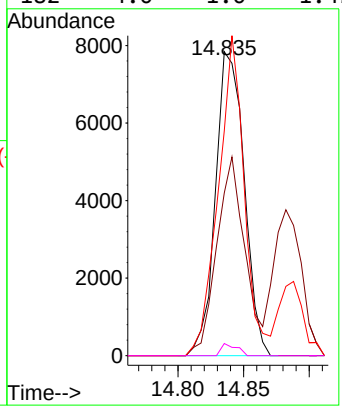




#57
2,4-Dinitrotoluene
Concen: 9.344 ng
RT: 14.835 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:165 Resp: 1194

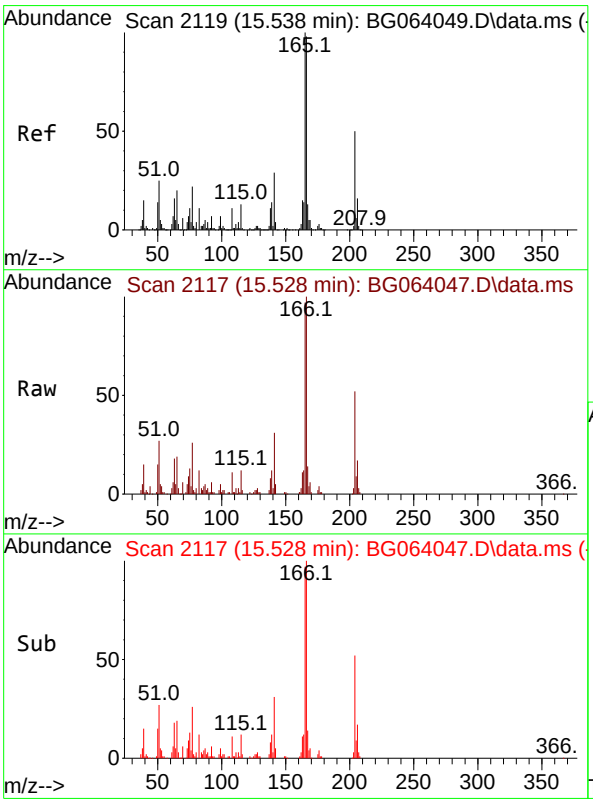
Ion	Ratio	Lower	Upper
165	100		
63	53.5	45.0	67.6
89	74.0	63.1	94.7
182	4.0	1.0	1.4#



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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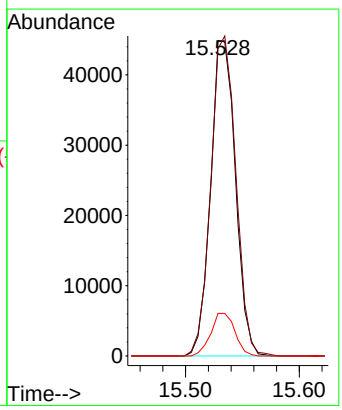
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

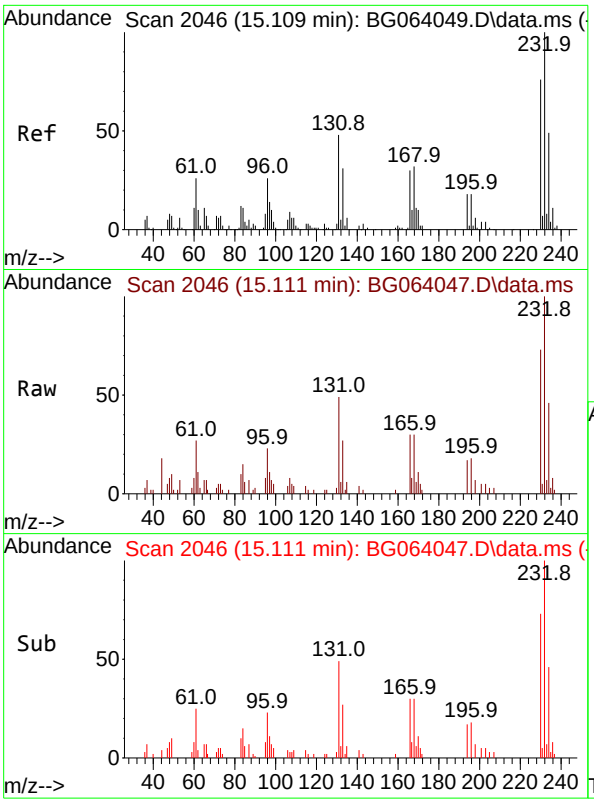


#58
Fluorene
Concen: 9.821 ng
RT: 15.528 min Scan# 2117
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:166 Resp: 67954

Ion	Ratio	Lower	Upper
166	100		
165	97.4	81.8	122.8
167	13.5	10.8	16.2

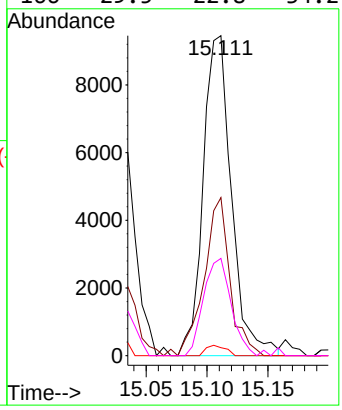




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.943 ng
RT: 15.111 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:232 Resp: 1528

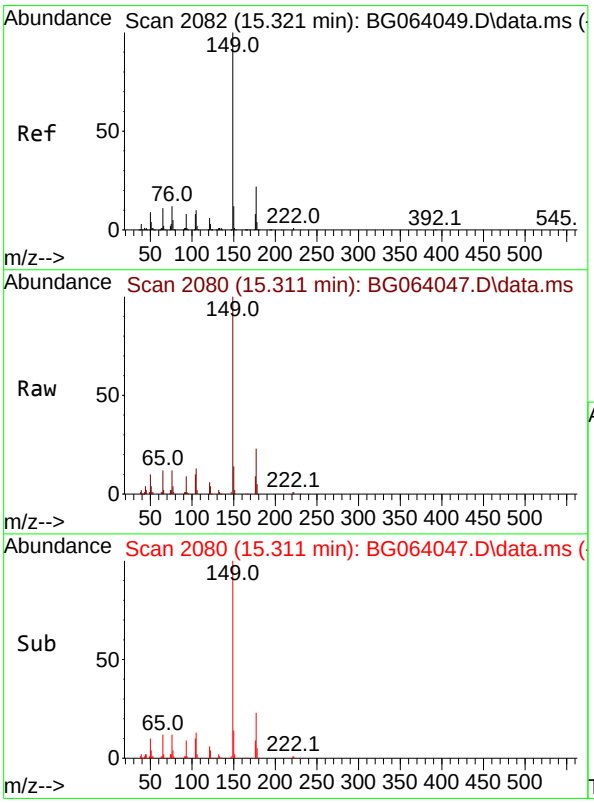
Ion	Ratio	Lower	Upper
232	100		
131	45.2	36.3	54.5
130	2.2	1.9	2.9
166	29.5	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

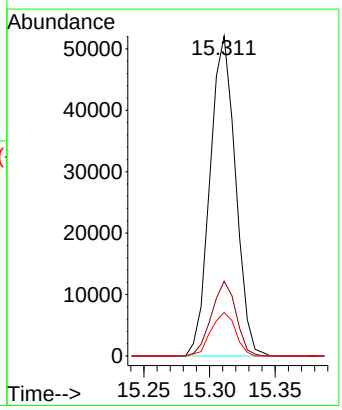
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

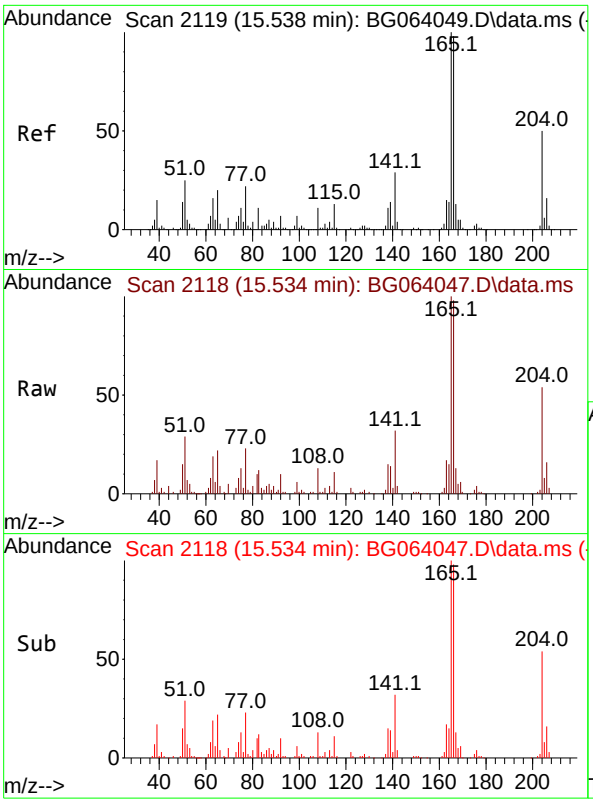


#60
Diethylphthalate
Concen: 9.363 ng
RT: 15.311 min Scan# 2080
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:149 Resp: 70346

Ion	Ratio	Lower	Upper
149	100		
177	23.4	17.4	26.2
150	13.6	9.4	14.2

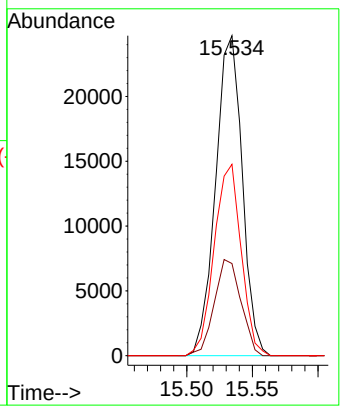




#61
4-Chlorophenyl-phenylether
Concen: 10.139 ng
RT: 15.534 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:204 Resp: 3486

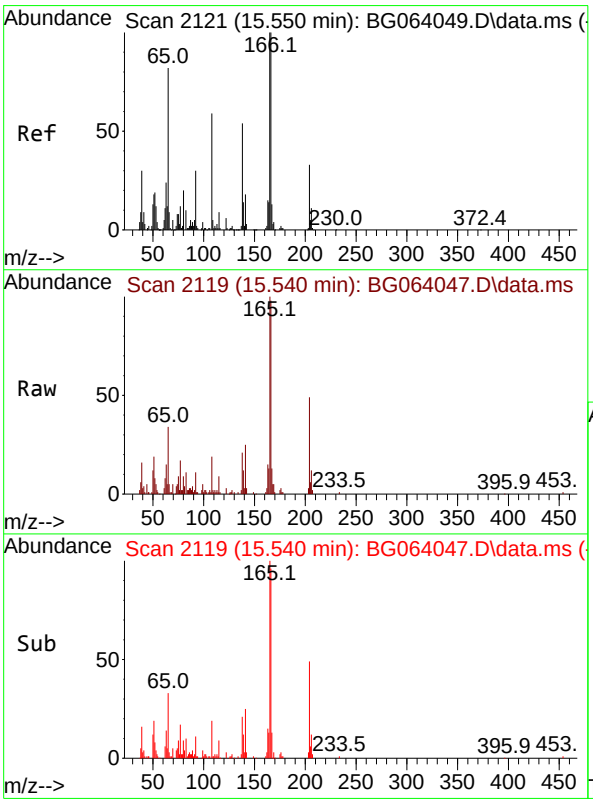
Ion	Ratio	Lower	Upper
204	100		
206	28.8	25.5	38.3
141	59.8	45.4	68.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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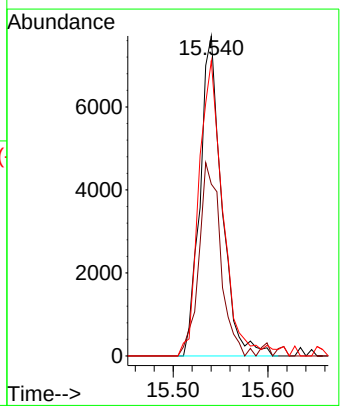
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

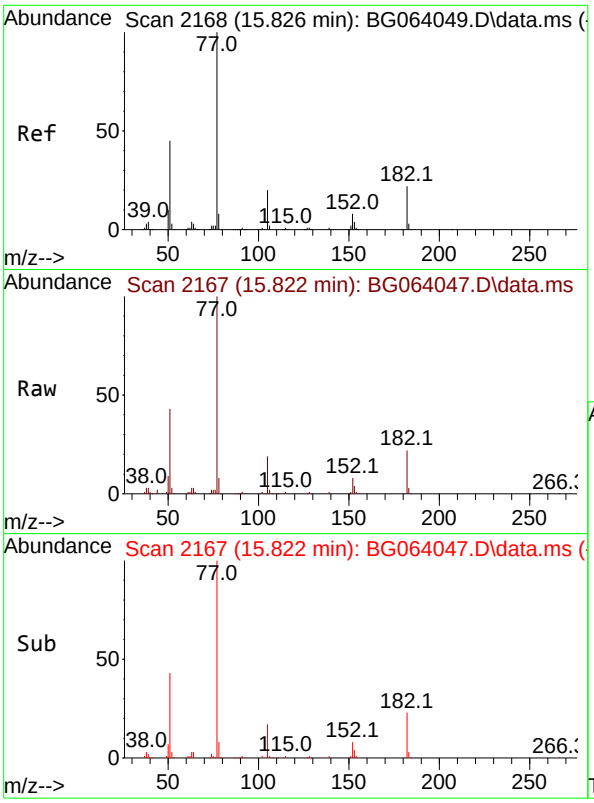


#62
4-Nitroaniline
Concen: 8.534 ng
RT: 15.540 min Scan# 2119
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:138 Resp: 12324

Ion	Ratio	Lower	Upper
138	100		
92	53.7	36.1	76.1
108	92.2	87.9	127.9

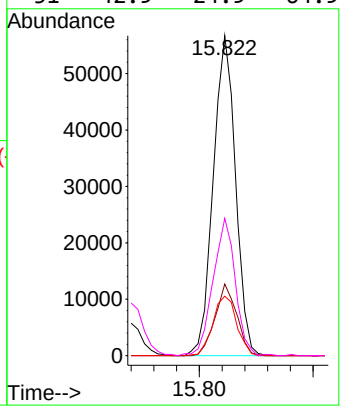




#63
Azobenzene
Concen: 9.620 ng
RT: 15.822 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 77 Resp: 7712

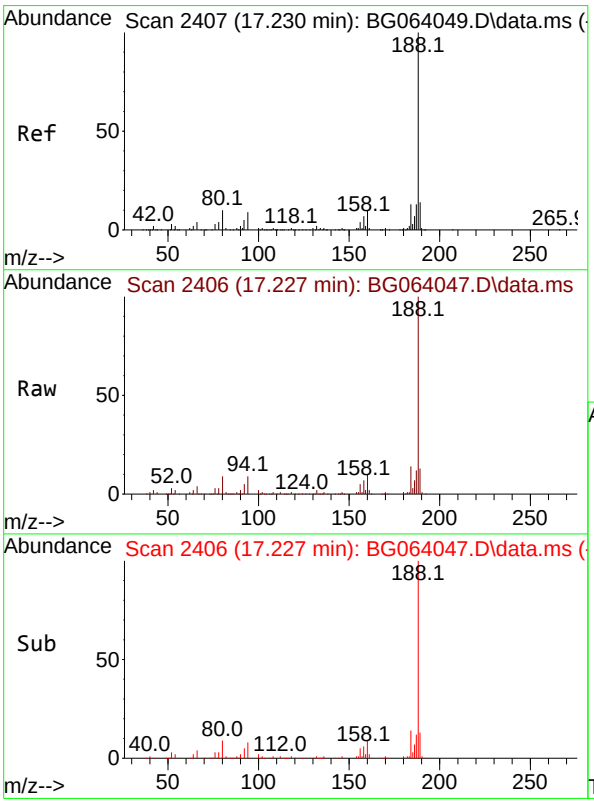
Ion	Ratio	Lower	Upper
77	100		
182	22.4	2.4	42.4
105	18.6	0.0	40.0
51	42.9	24.9	64.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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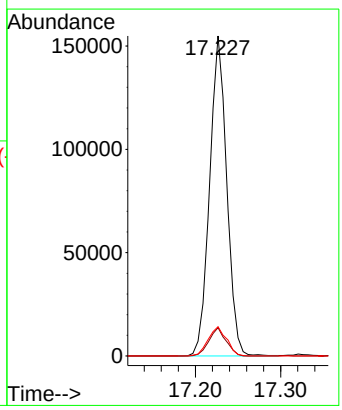
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

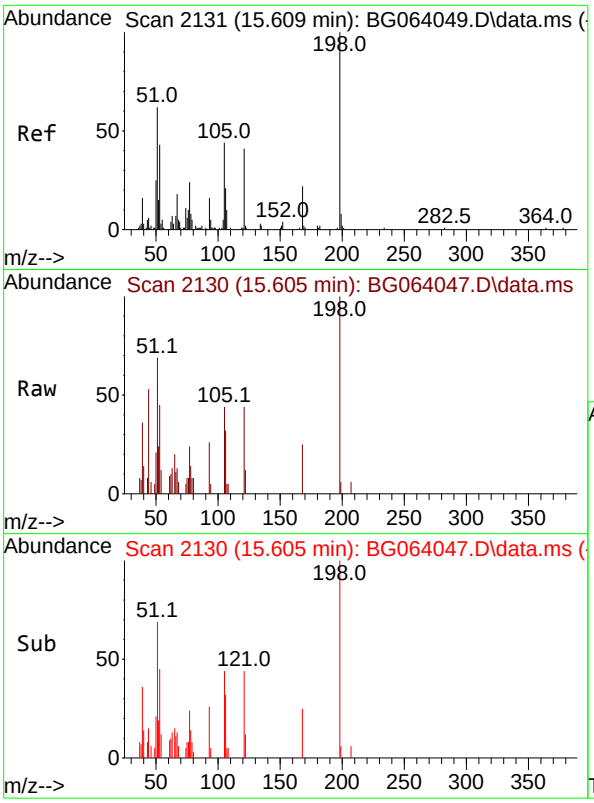


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:188 Resp: 216134

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.9	10.3
80	9.2	8.1	12.1

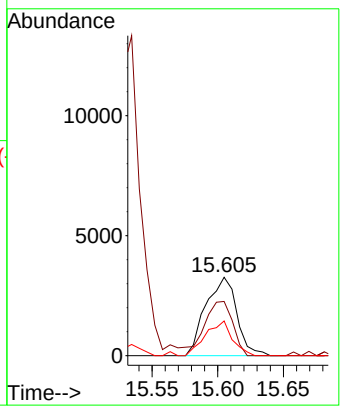




#65
4,6-Dinitro-2-methylphenol
Concen: 12.953 ng
RT: 15.605 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:198 Resp: 537

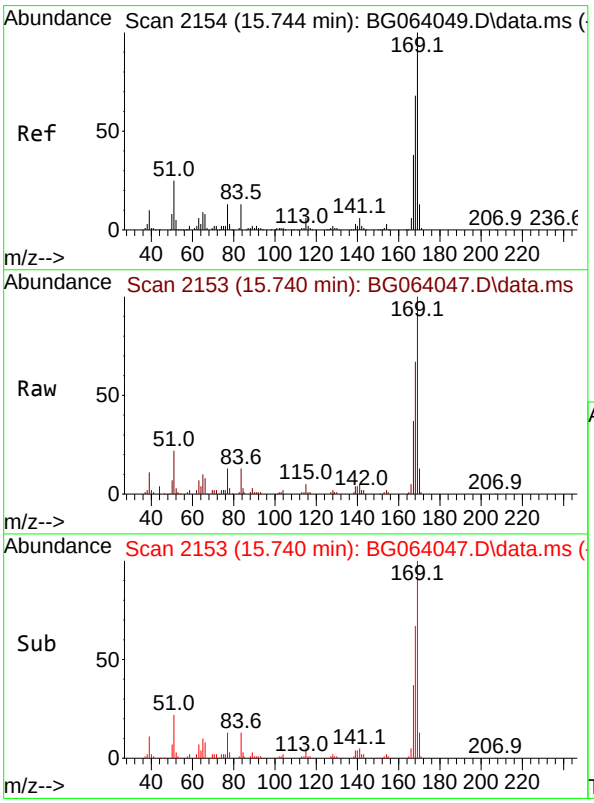
Ion	Ratio	Lower	Upper
198	100		
51	69.2	45.6	85.6
105	44.3	25.3	65.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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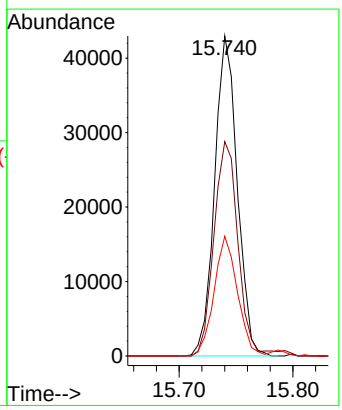
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

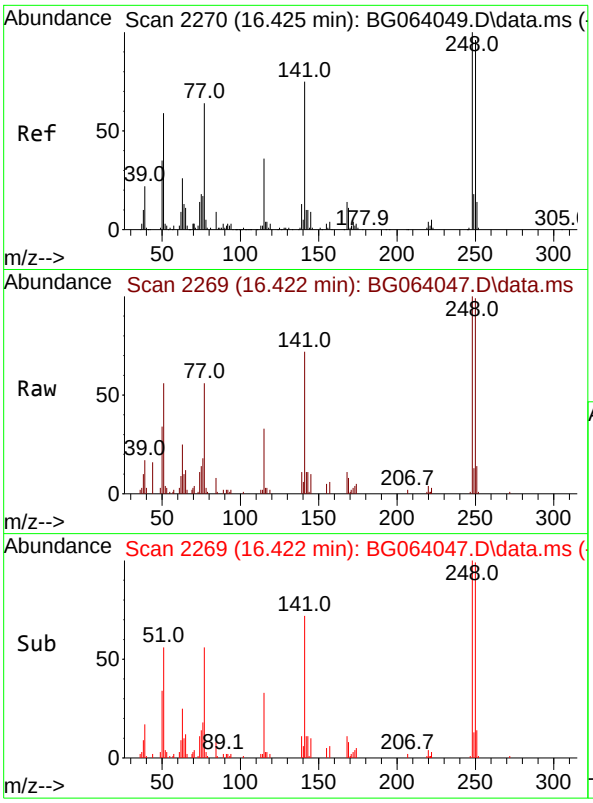


#66
n-Nitrosodiphenylamine
Concen: 9.727 ng
RT: 15.740 min Scan# 2153
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:169 Resp: 59511

Ion	Ratio	Lower	Upper
169	100		
168	67.0	54.1	81.1
167	37.4	30.3	45.5





#67
4-Bromophenyl-phenylether
Concen: 9.525 ng
RT: 16.422 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

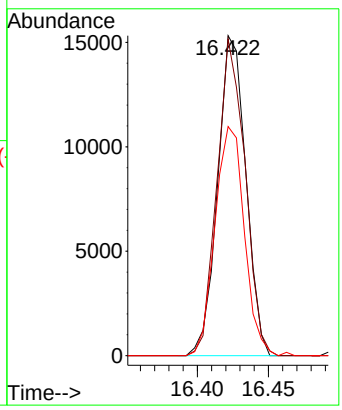
Tgt Ion:248 Resp: 2108

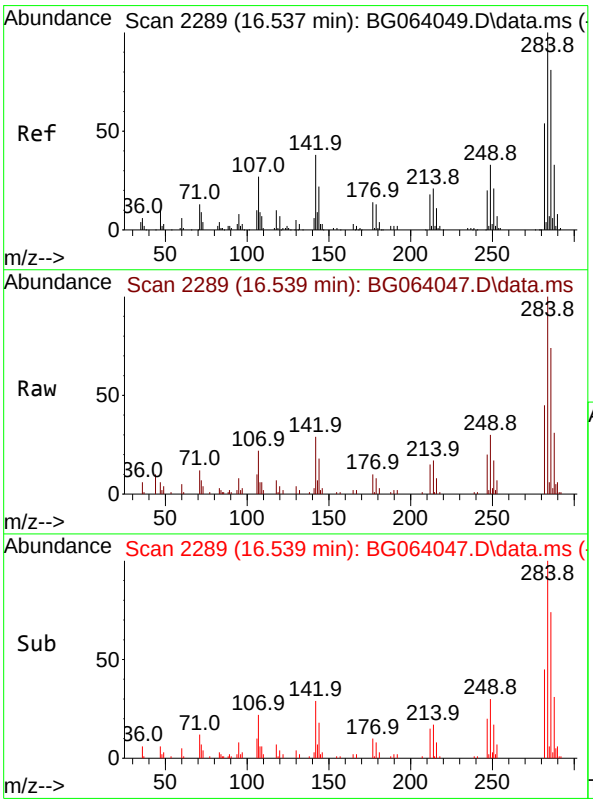
Ion	Ratio	Lower	Upper
248	100		
250	98.9	77.1	115.7
141	71.6	59.8	89.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

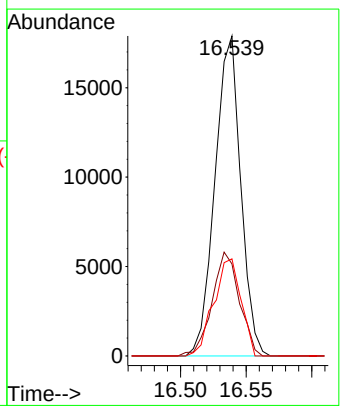


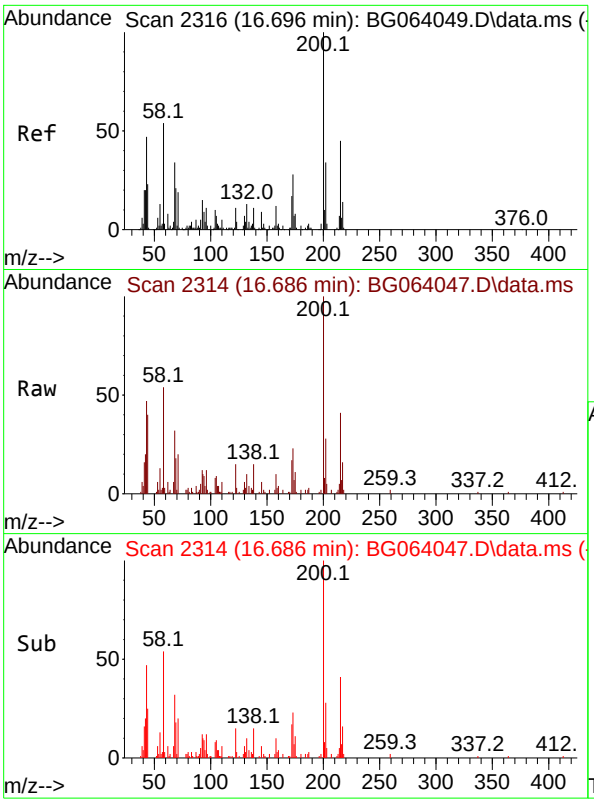


#68
Hexachlorobenzene
Concen: 9.848 ng
RT: 16.539 min Scan# 2289
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:284 Resp: 24406

Ion	Ratio	Lower	Upper
284	100		
142	28.7	30.6	45.8#
249	30.3	26.6	39.8

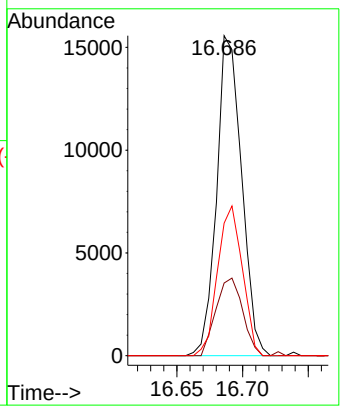




#69
Atrazine
Concen: 11.436 ng
RT: 16.686 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:200 Resp: 2058

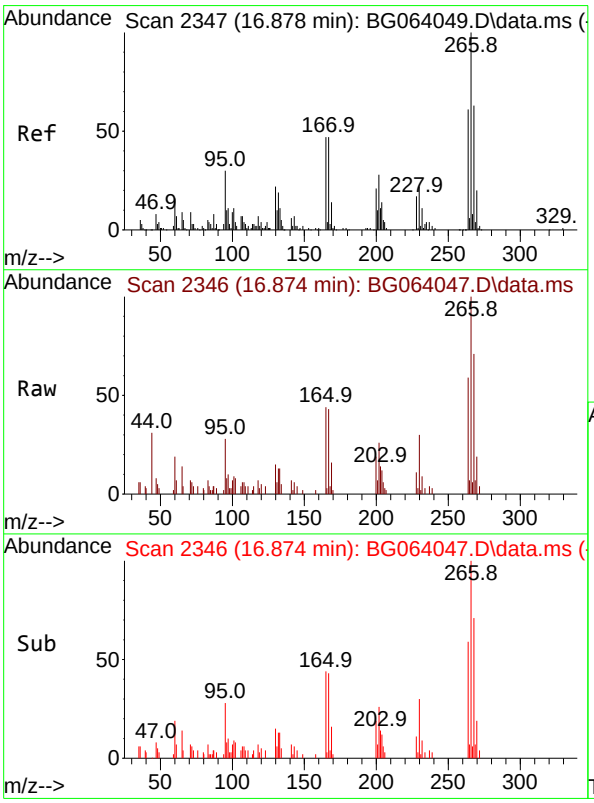
Ion	Ratio	Lower	Upper
200	100		
173	22.7	8.2	48.2
215	41.4	25.5	65.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

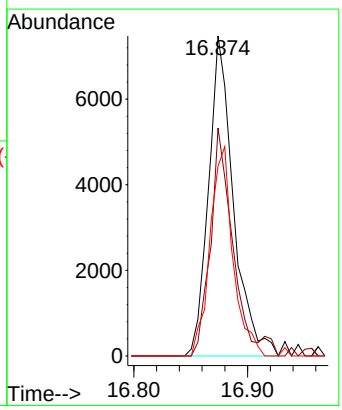
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

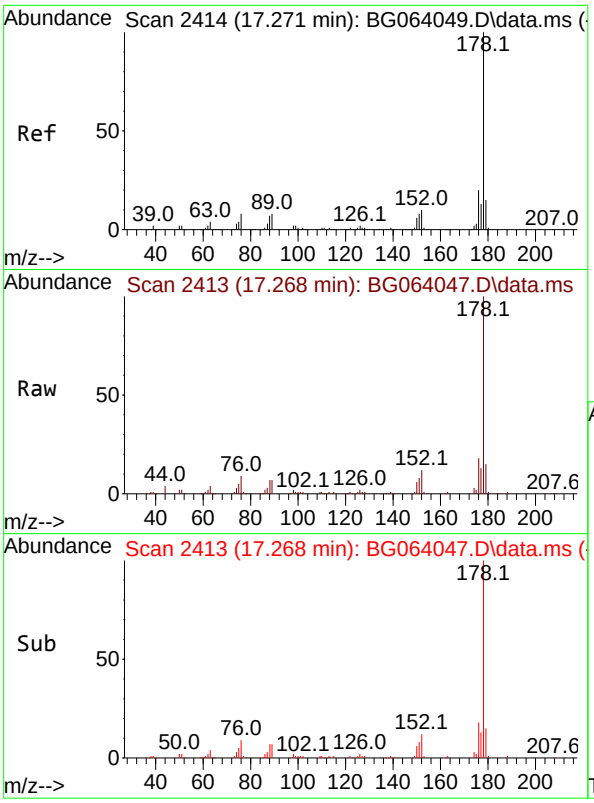


#70
Pentachlorophenol
Concen: 7.355 ng
RT: 16.874 min Scan# 2346
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:266 Resp: 11318

Ion	Ratio	Lower	Upper
266	100		
268	77.8	50.2	75.4#
264	66.2	48.9	73.3

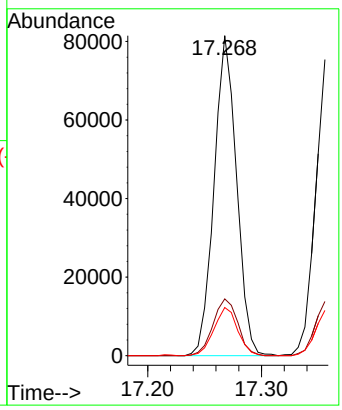




#71
Phenanthrene
Concen: 9.694 ng
RT: 17.268 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:178 Resp: 11175

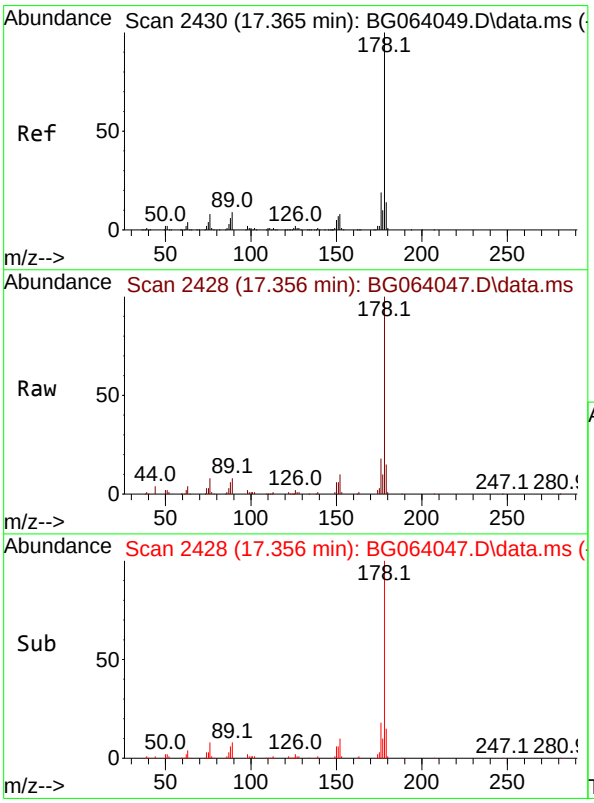
Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.9	23.9
179	15.0	12.2	18.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

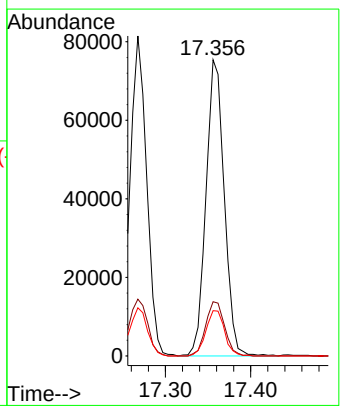
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

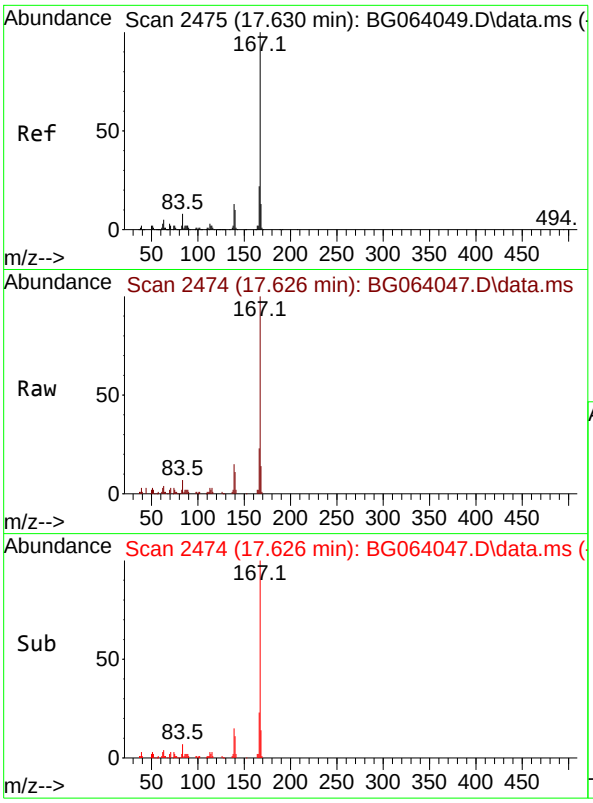


#72
Anthracene
Concen: 9.810 ng
RT: 17.356 min Scan# 2428
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:178 Resp: 112451

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.3	11.5	17.3

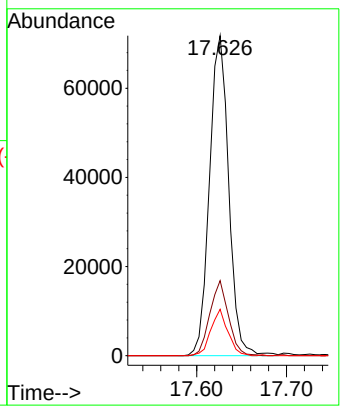




#73
Carbazole
Concen: 9.974 ng
RT: 17.626 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:167 Resp: 10675

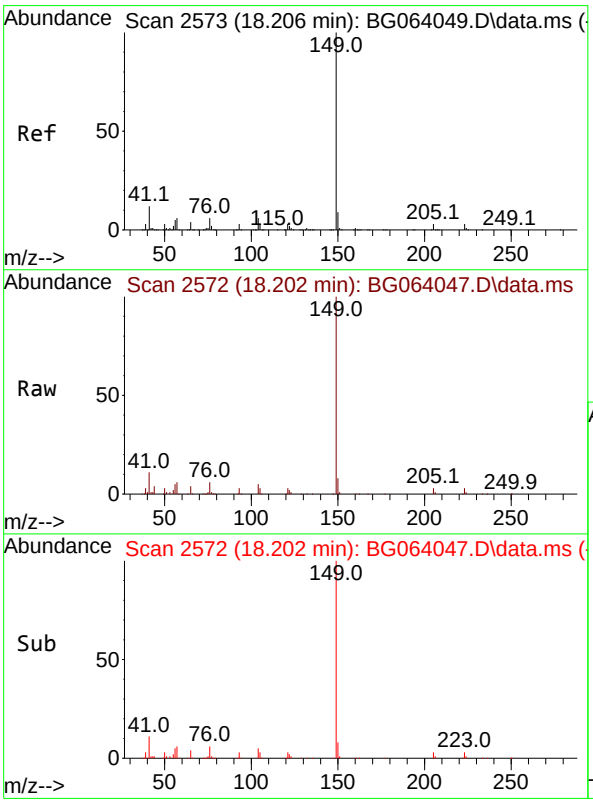
Ion	Ratio	Lower	Upper
167	100		
166	23.5	18.0	27.0
139	14.5	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

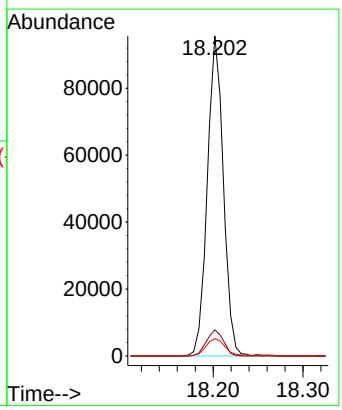
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

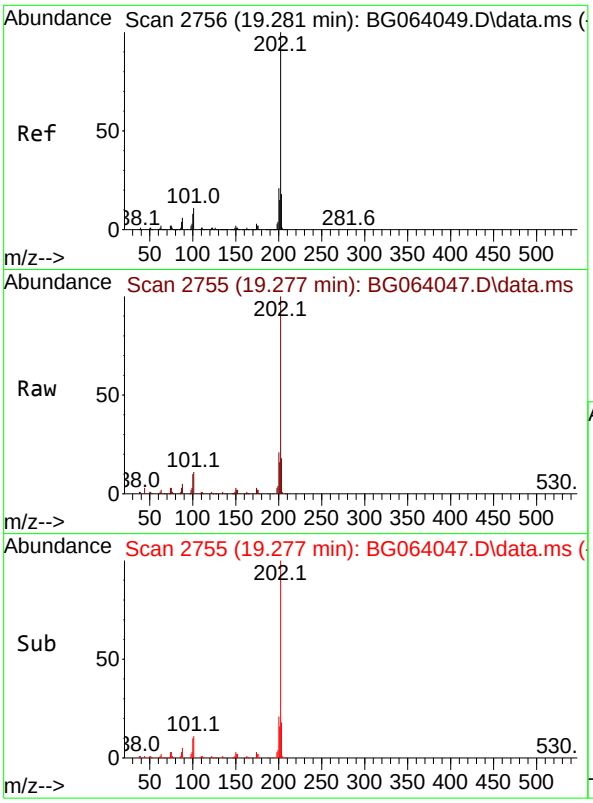


#74
Di-n-butylphthalate
Concen: 9.396 ng
RT: 18.202 min Scan# 2572
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:149 Resp: 118366

Ion	Ratio	Lower	Upper
149	100		
150	8.2	7.4	11.0
104	5.5	5.0	7.6

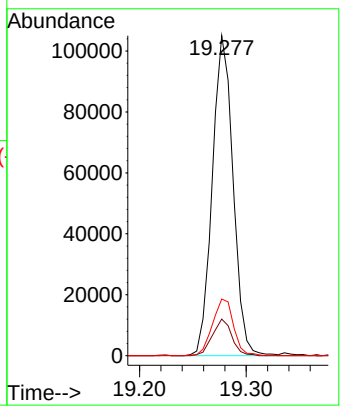




#75
Fluoranthene
Concen: 10.224 ng
RT: 19.277 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:202 Resp: 14209

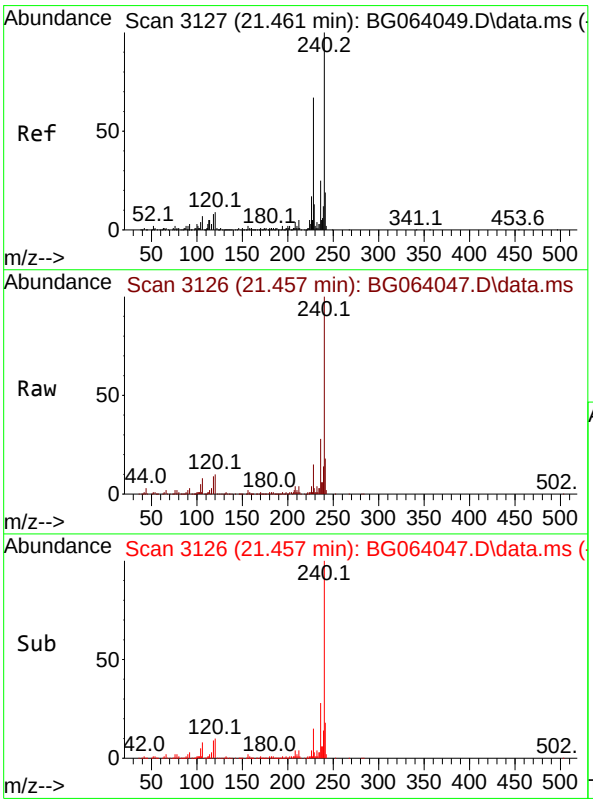
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	30.5
203	17.7	0.0	38.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

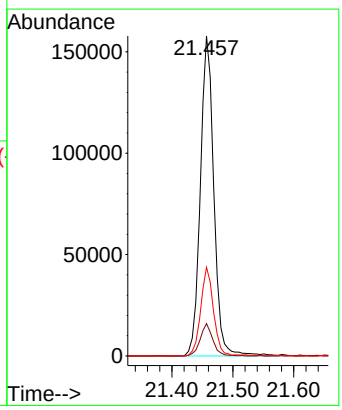
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

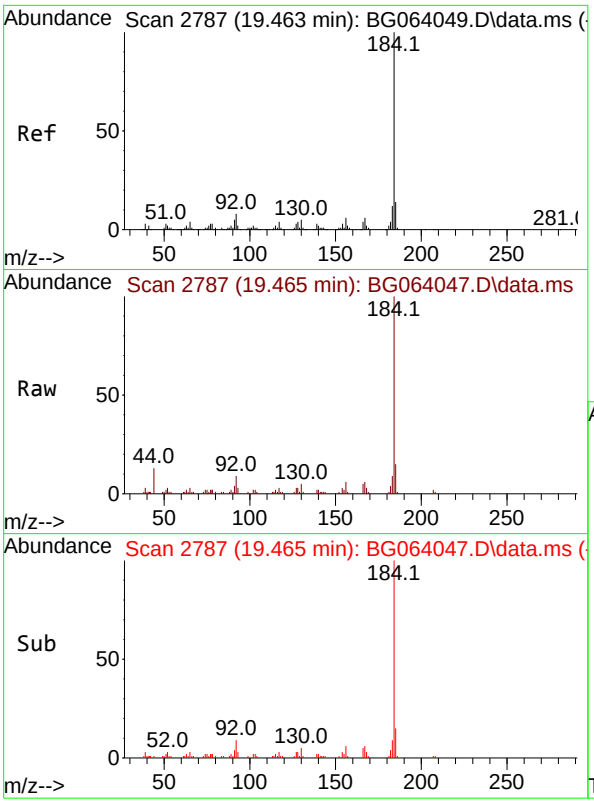


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3126
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:240 Resp: 243131

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.2	10.8
236	27.7	20.2	30.2

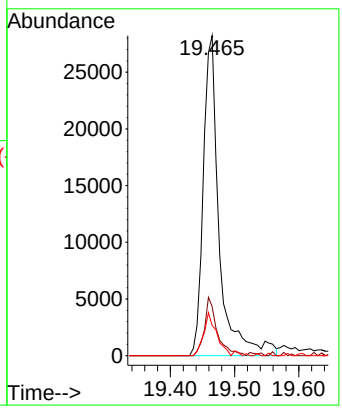




#77
Benzidine
Concen: 14.253 ng m
RT: 19.465 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:184 Resp: 4864

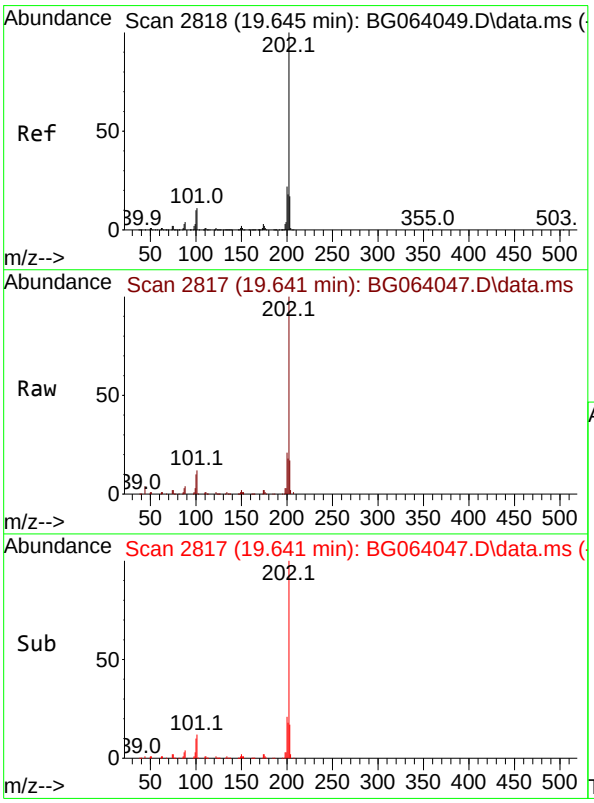
Ion	Ratio	Lower	Upper
184	100		
185	15.4	11.3	16.9
183	9.5	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

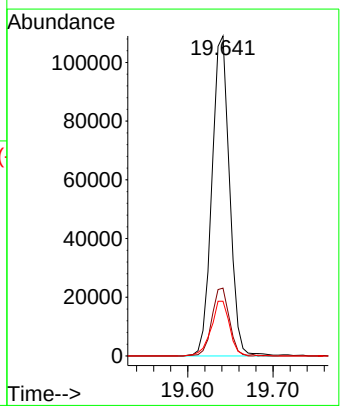
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

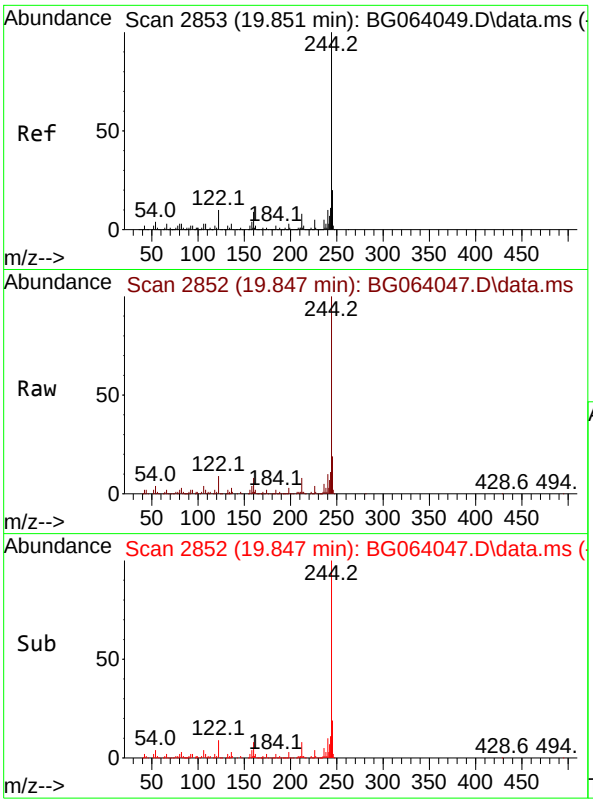


#78
Pyrene
Concen: 9.980 ng
RT: 19.641 min Scan# 2817
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:202 Resp: 156414

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.3	25.9
203	17.1	13.6	20.4





#79
Terphenyl-d14
Concen: 20.697 ng
RT: 19.847 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

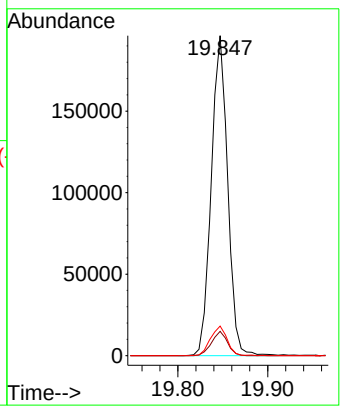
Tgt Ion:244 Resp: 24886

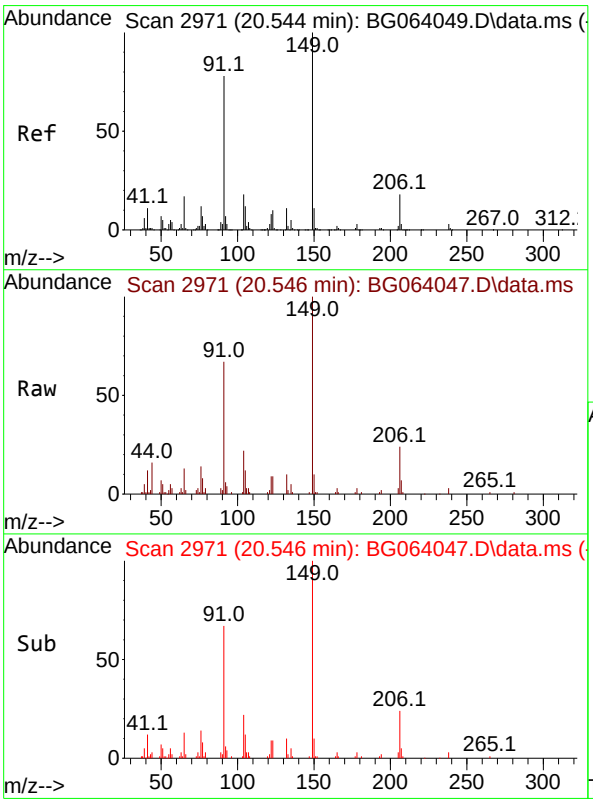
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.4
122	9.2	8.0	12.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

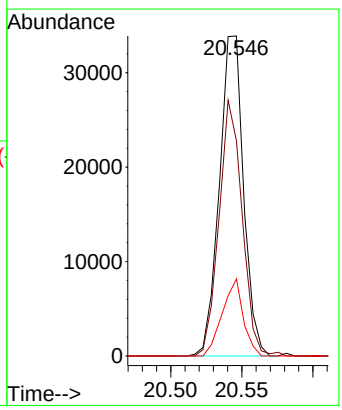


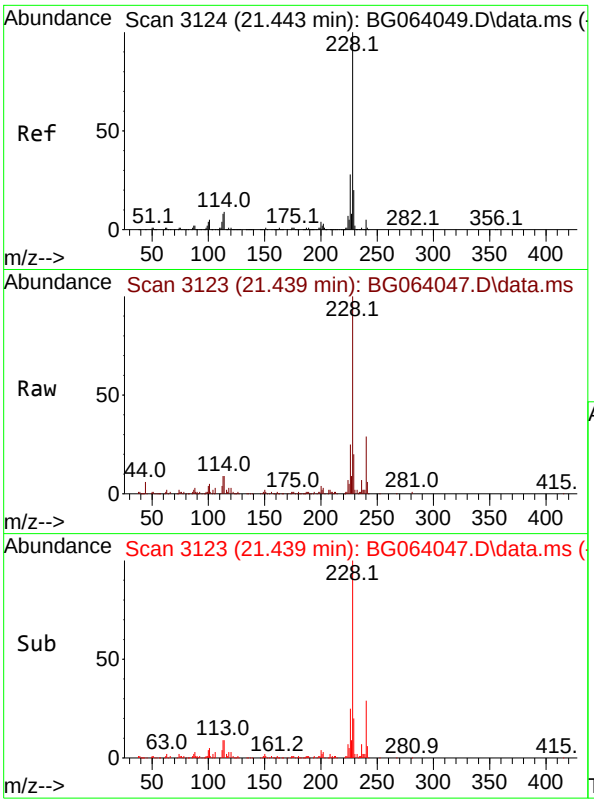


#80
Butylbenzylphthalate
Concen: 9.952 ng
RT: 20.546 min Scan# 2971
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:149 Resp: 40179

Ion	Ratio	Lower	Upper
149	100		
91	67.2	62.0	93.0
206	24.1	14.6	21.8#





#81
Benzo(a)anthracene
Concen: 9.895 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

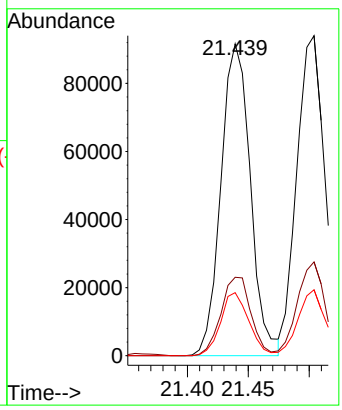
Tgt Ion:228 Resp: 15411

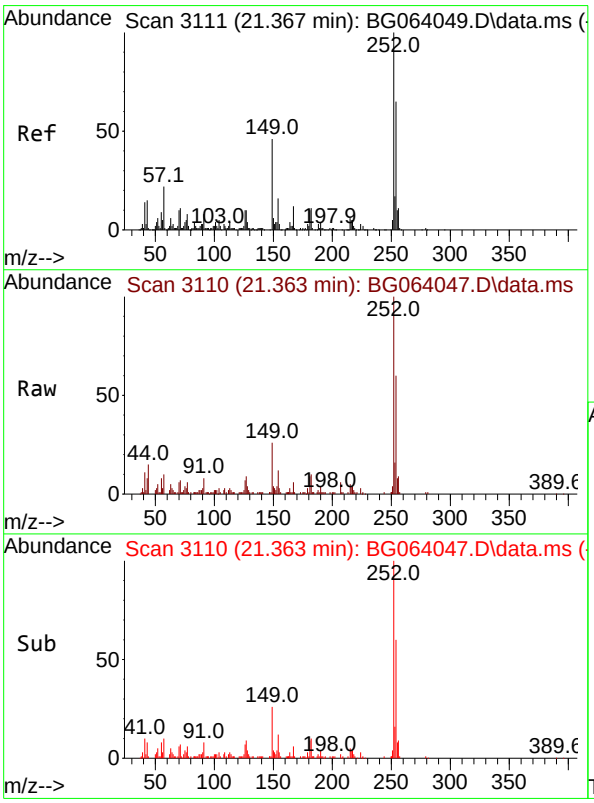
Ion	Ratio	Lower	Upper
228	100		
226	25.1	22.2	33.2
229	20.2	16.4	24.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

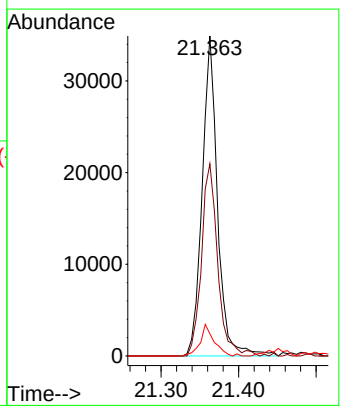


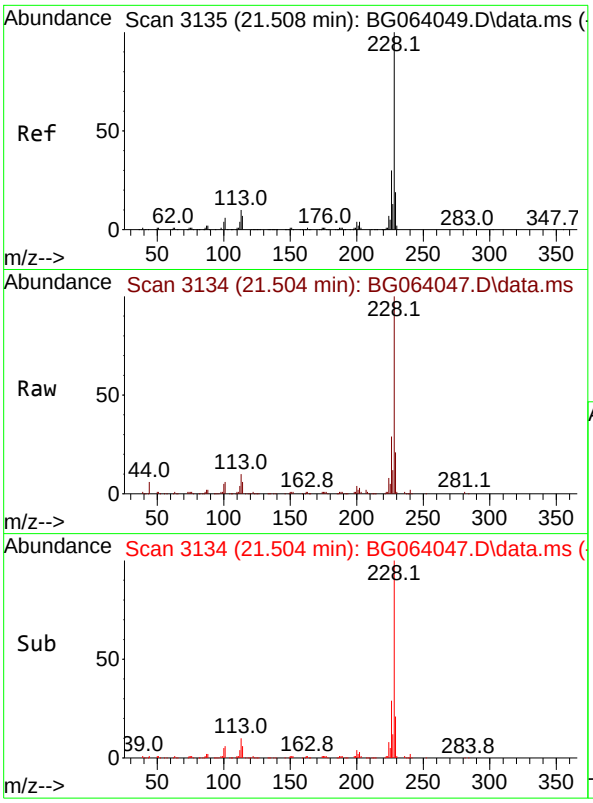


#82
3,3'-Dichlorobenzidine
Concen: 9.539 ng
RT: 21.363 min Scan# 3110
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:252 Resp: 48080

Ion	Ratio	Lower	Upper
252	100		
254	60.1	52.1	78.1
126	7.0	7.8	11.8#

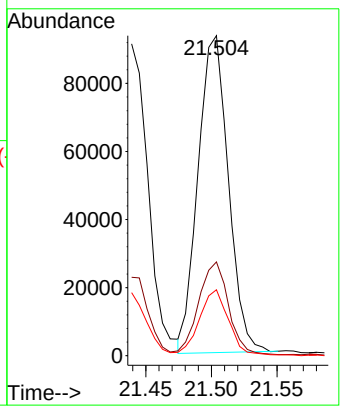




#83
Chrysene
Concen: 9.649 ng
RT: 21.504 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:228 Resp: 14988

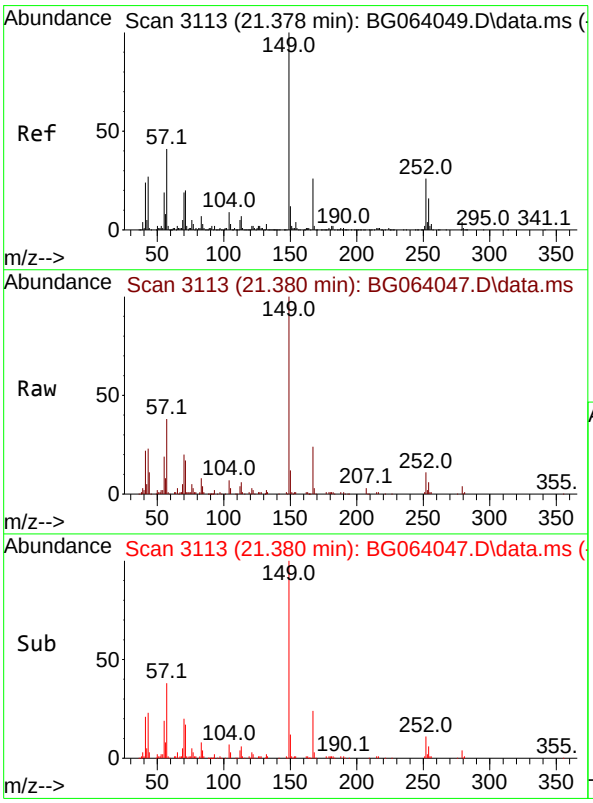
Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.9	35.9
229	20.6	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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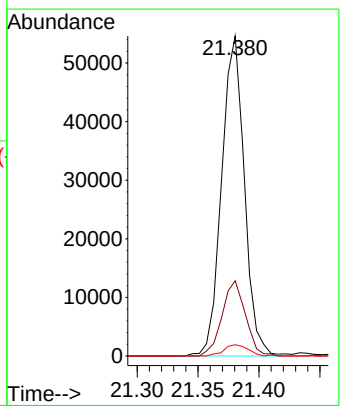
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

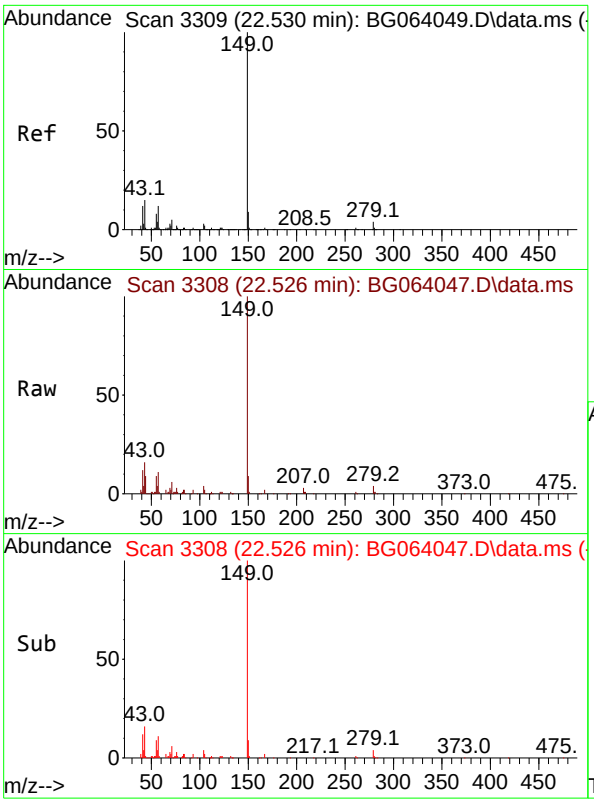


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.403 ng
RT: 21.380 min Scan# 3113
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:149 Resp: 70780

Ion	Ratio	Lower	Upper
149	100		
167	23.5	21.0	31.6
279	3.5	2.8	4.2

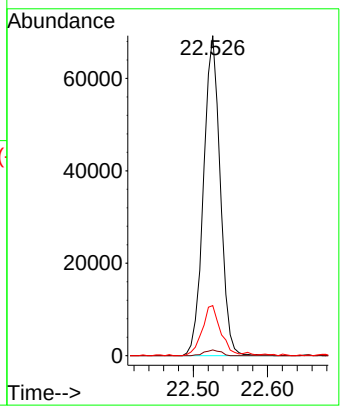




#85
Di-n-octyl phthalate
Concen: 7.461 ng
RT: 22.526 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:149 Resp: 10838

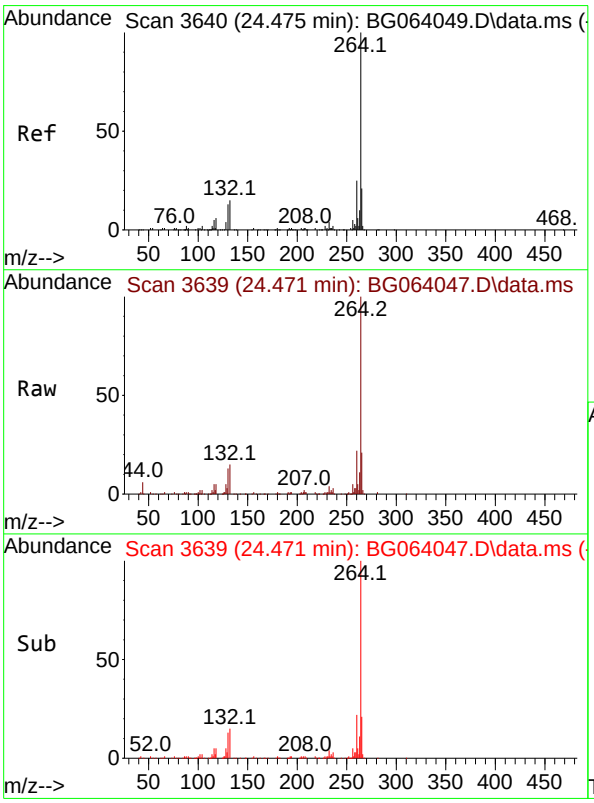
Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.2	1.8
43	17.2	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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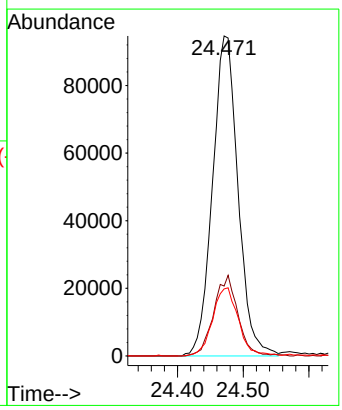
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

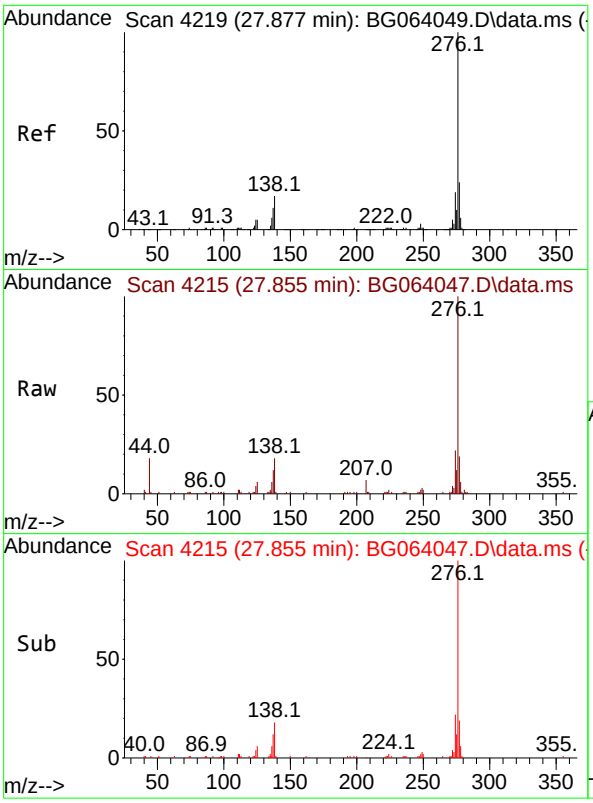


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.471 min Scan# 3639
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:264 Resp: 255316

Ion	Ratio	Lower	Upper
264	100		
260	21.8	19.6	29.4
265	21.0	16.6	25.0

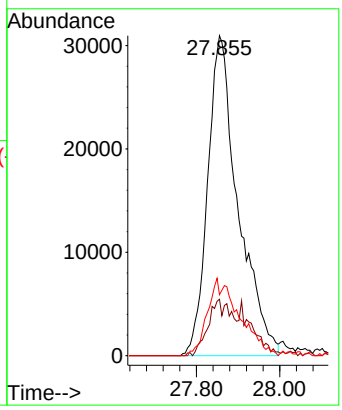




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.203 ng
RT: 27.855 min Scan# 4
Delta R.T. -0.021 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:276 Resp: 15721

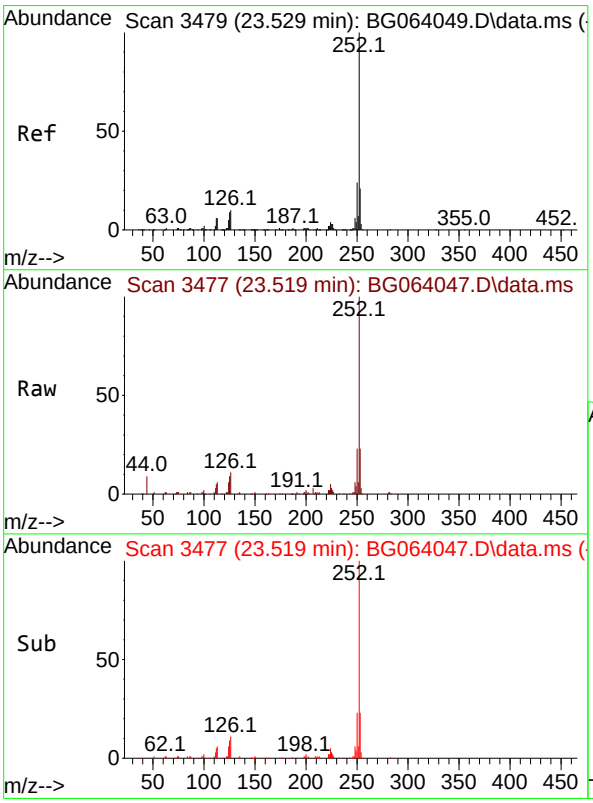
Ion	Ratio	Lower	Upper
276	100		
138	8.2	12.1	18.1#
277	10.0	20.0	30.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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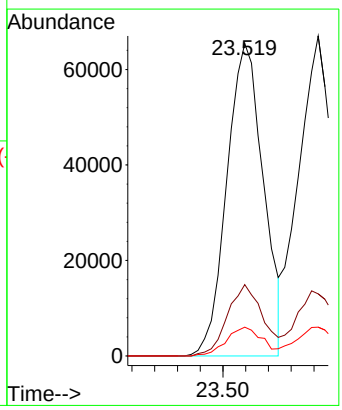
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

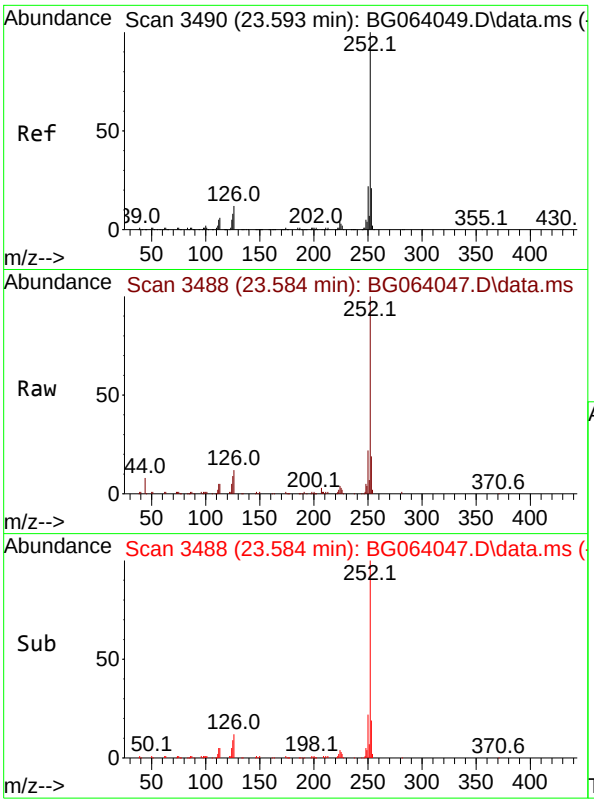


#88
Benzo(b)fluoranthene
Concen: 9.475 ng
RT: 23.519 min Scan# 3477
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:252 Resp: 146238

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.4
125	9.2	7.4	11.2

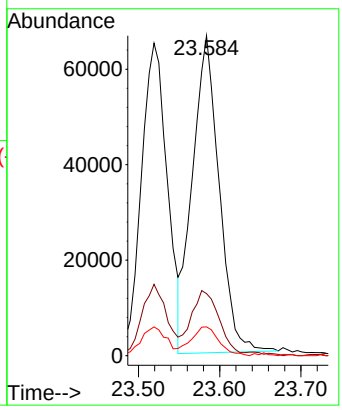




#89
Benzo(k)fluoranthene
Concen: 9.805 ng
RT: 23.584 min Scan# 34
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:252 Resp: 15182

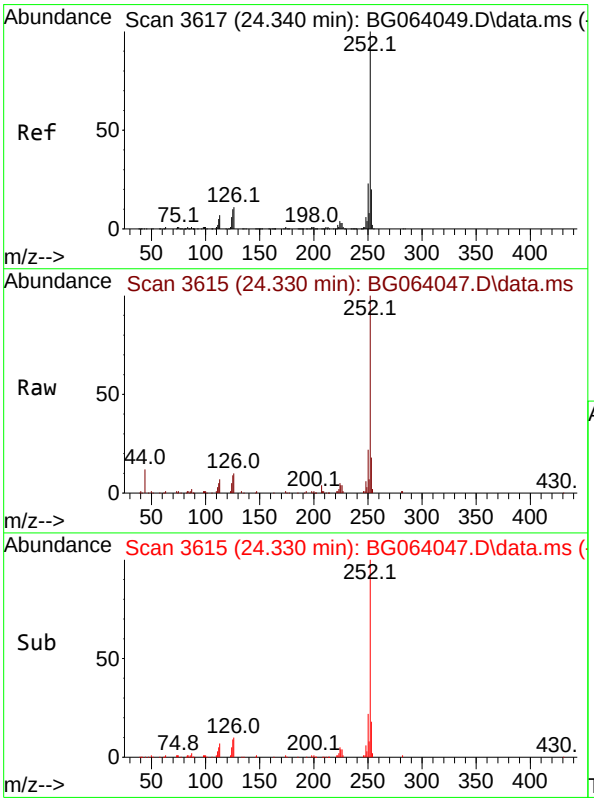
Ion	Ratio	Lower	Upper
252	100		
253	19.4	16.8	25.2
125	9.0	6.9	10.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

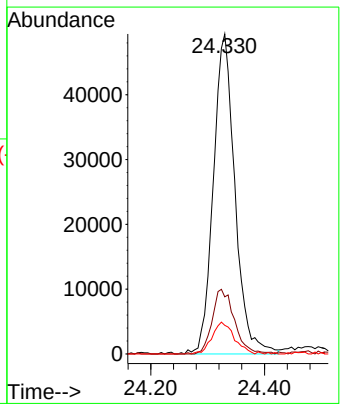
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

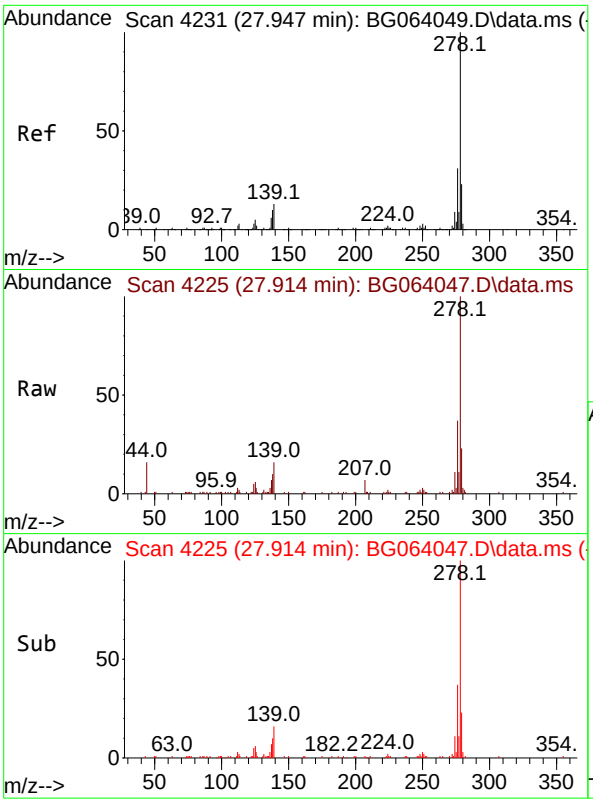


#90
Benzo(a)pyrene
Concen: 9.496 ng
RT: 24.330 min Scan# 3615
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:252 Resp: 130528

Ion	Ratio	Lower	Upper
252	100		
253	17.8	16.2	24.2
125	9.0	7.8	11.6

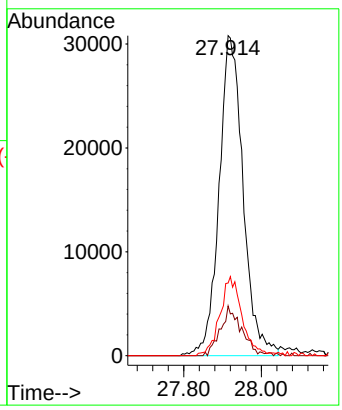




#91
Dibenzo(a,h)anthracene
Concen: 9.340 ng
RT: 27.914 min Scan# 4
Delta R.T. -0.033 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:278 Resp: 13227

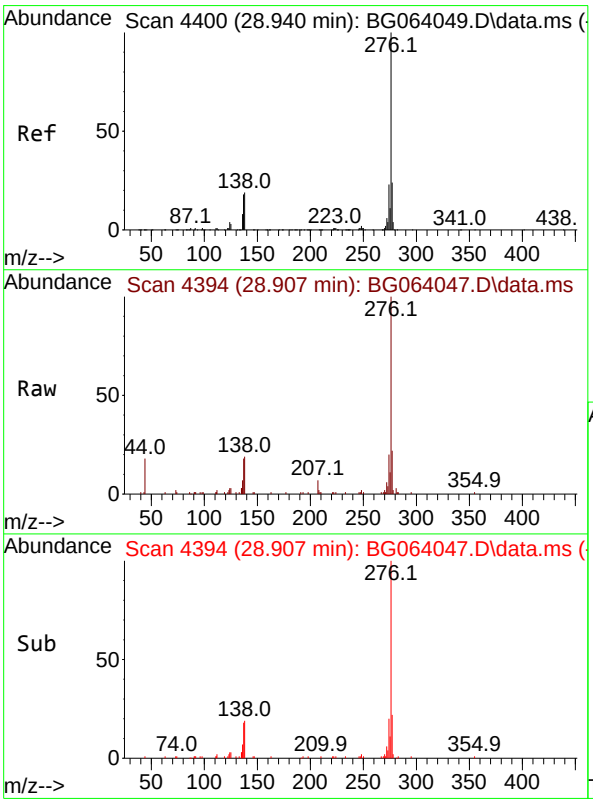
Ion	Ratio	Lower	Upper
278	100		
139	15.6	10.2	15.2
279	22.7	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

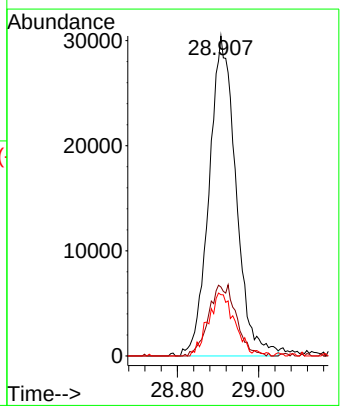
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025



#92
Benzo(g,h,i)perylene
Concen: 9.596 ng
RT: 28.907 min Scan# 4394
Delta R.T. -0.033 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:276 Resp: 139536

Ion	Ratio	Lower	Upper
276	100		
277	21.6	19.5	29.3
138	19.1	15.4	23.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064048.D
Acq On : 5 Mar 2025 11:03
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.867	152	32618	20.000	ng		0.00
21) Naphthalene-d8	10.652	136	145081	20.000	ng		0.00
39) Acenaphthene-d10	14.489	164	102335	20.000	ng		0.00
64) Phenanthrene-d10	17.227	188	239469	20.000	ng		0.00
76) Chrysene-d12	21.463	240	245725	20.000	ng		0.00
86) Perylene-d12	24.471	264	254102	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.446	112	86747	41.526	ng		0.00
7) Phenol-d6	7.027	99	117028	41.181	ng		0.00
23) Nitrobenzene-d5	9.013	82	104347	39.746	ng		0.00
42) 2,4,6-Tribromophenol	15.969	330	46324	40.723	ng		0.00
45) 2-Fluorobiphenyl	13.114	172	278220	41.267	ng		0.00
79) Terphenyl-d14	19.847	244	521784	42.936	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.372	88	20346	21.491	ng		94
3) Pyridine	3.760	79	47376	20.577	ng		90
4) n-Nitrosodimethylamine	3.678	42	33180	20.170	ng	#	98
6) Aniline	7.191	93	59532	21.349	ng		98
8) 2-Chlorophenol	7.432	128	46053	20.527	ng		91
9) Benzaldehyde	7.003	77	36954m	22.246	ng		
10) Phenol	7.050	94	59566	20.473	ng		96
11) bis(2-Chloroethyl)ether	7.291	93	46439	20.359	ng		96
12) 1,3-Dichlorobenzene	7.755	146	48956	19.871	ng		98
13) 1,4-Dichlorobenzene	7.902	146	52419	20.757	ng		97
14) 1,2-Dichlorobenzene	8.214	146	50317	20.663	ng		98
15) Benzyl Alcohol	8.096	79	43802	19.946	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.390	45	104660	20.405	ng		98
17) 2-Methylphenol	8.302	107	38395	19.883	ng	#	90
18) Hexachloroethane	8.948	117	16959	19.194	ng		99
19) n-Nitroso-di-n-propyla...	8.666	70	41803	20.960	ng		94
20) 3+4-Methylphenols	8.625	107	53440	20.102	ng		93
22) Acetophenone	8.678	105	84092	21.140	ng		94
24) Nitrobenzene	9.060	77	56511	20.828	ng	#	97
25) Isophorone	9.577	82	107881	20.530	ng		98
26) 2-Nitrophenol	9.765	139	13886	18.663	ng		96
27) 2,4-Dimethylphenol	9.824	122	32013	20.322	ng		95
28) bis(2-Chloroethoxy)met...	10.064	93	67945	21.327	ng		97
29) 2,4-Dichlorophenol	10.294	162	40728	20.475	ng		96
30) 1,2,4-Trichlorobenzene	10.517	180	49701	20.698	ng		96
31) Naphthalene	10.705	128	161582	20.654	ng		100
32) Benzoic acid	9.929	122	20223m	20.131	ng		
33) 4-Chloroaniline	10.805	127	59095	20.668	ng		98
34) Hexachlorobutadiene	10.999	225	32675	20.760	ng		96
35) Caprolactam	11.557	113	16251	21.319	ng		97
36) 4-Chloro-3-methylphenol	11.927	107	55024	21.103	ng		94
37) 2-Methylnaphthalene	12.309	142	114303	20.696	ng		94
38) 1-Methylnaphthalene	12.532	142	111828	20.668	ng		95
40) 1,2,4,5-Tetrachloroben...	12.679	216	60556	20.727	ng		98
41) Hexachlorocyclopentadiene	12.667	237	16470	20.029	ng		90
43) 2,4,6-Trichlorophenol	12.914	196	34893	20.264	ng		93

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064048.D
Acq On : 5 Mar 2025 11:03
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.985	196	38995	20.381	ng		95
46) 1,1'-Biphenyl	13.325	154	160835	20.803	ng		97
47) 2-Chloronaphthalene	13.361	162	112611	19.971	ng		99
48) 2-Nitroaniline	13.560	65	28373	18.684	ng		98
49) Acenaphthylene	14.207	152	183469	20.571	ng		99
50) Dimethylphthalate	13.948	163	159500	21.114	ng		100
51) 2,6-Dinitrotoluene	14.054	165	26787	19.614	ng		92
52) Acenaphthene	14.553	154	125939m	20.997	ng		
53) 3-Nitroaniline	14.383	138	30517	20.902	ng		88
54) 2,4-Dinitrophenol	14.594	184	8560	19.958	ng	#	74
55) Dibenzofuran	14.888	168	202235	20.856	ng		96
56) 4-Nitrophenol	14.683	139	20425	16.681	ng		87
57) 2,4-Dinitrotoluene	14.841	165	35172	19.015	ng	#	97
58) Fluorene	15.534	166	157795	20.894	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.111	232	39748	21.310	ng		99
60) Diethylphthalate	15.311	149	174872	21.324	ng		98
61) 4-Chlorophenyl-phenyle...	15.534	204	80605	21.477	ng		95
62) 4-Nitroaniline	15.540	138	32000	20.301	ng		88
63) Azobenzene	15.822	77	182618	20.868	ng		98
65) 4,6-Dinitro-2-methylph...	15.599	198	14079	19.469	ng		95
66) n-Nitrosodiphenylamine	15.740	169	139451	20.573	ng		100
67) 4-Bromophenyl-phenylether	16.422	248	50868	20.740	ng		99
68) Hexachlorobenzene	16.539	284	56538	20.591	ng		95
69) Atrazine	16.692	200	42810	21.465	ng		97
70) Pentachlorophenol	16.874	266	30561	17.926	ng	#	88
71) Phenanthrene	17.268	178	265841	20.813	ng		99
72) Anthracene	17.362	178	264350	20.814	ng		99
73) Carbazole	17.626	167	244169	20.591	ng		100
74) Di-n-butylphthalate	18.202	149	290500	20.812	ng		100
75) Fluoranthene	19.277	202	319913	20.776	ng		98
77) Benzidine	19.459	184	58504	16.960	ng		99
78) Pyrene	19.641	202	331849	20.950	ng		99
80) Butylbenzylphthalate	20.546	149	99429	19.098	ng		98
81) Benzo(a)anthracene	21.439	228	321777	20.443	ng		98
82) 3,3'-Dichlorobenzidine	21.363	252	109121	21.421	ng		98
83) Chrysene	21.504	228	321379	20.471	ng		98
84) Bis(2-ethylhexyl)phtha...	21.381	149	168286	19.769	ng		98
85) Di-n-octyl phthalate	22.526	149	272257	18.542	ng		99
87) Indeno(1,2,3-cd)pyrene	27.867	276	357779	21.044	ng		98
88) Benzo(b)fluoranthene	23.525	252	322554	20.998	ng		98
89) Benzo(k)fluoranthene	23.590	252	325538	21.124	ng		99
90) Benzo(a)pyrene	24.330	252	285622	20.878	ng		97
91) Dibenzo(a,h)anthracene	27.932	278	292558	20.756	ng		99
92) Benzo(g,h,i)perylene	28.931	276	307072	21.219	ng		97

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

ICAL Form

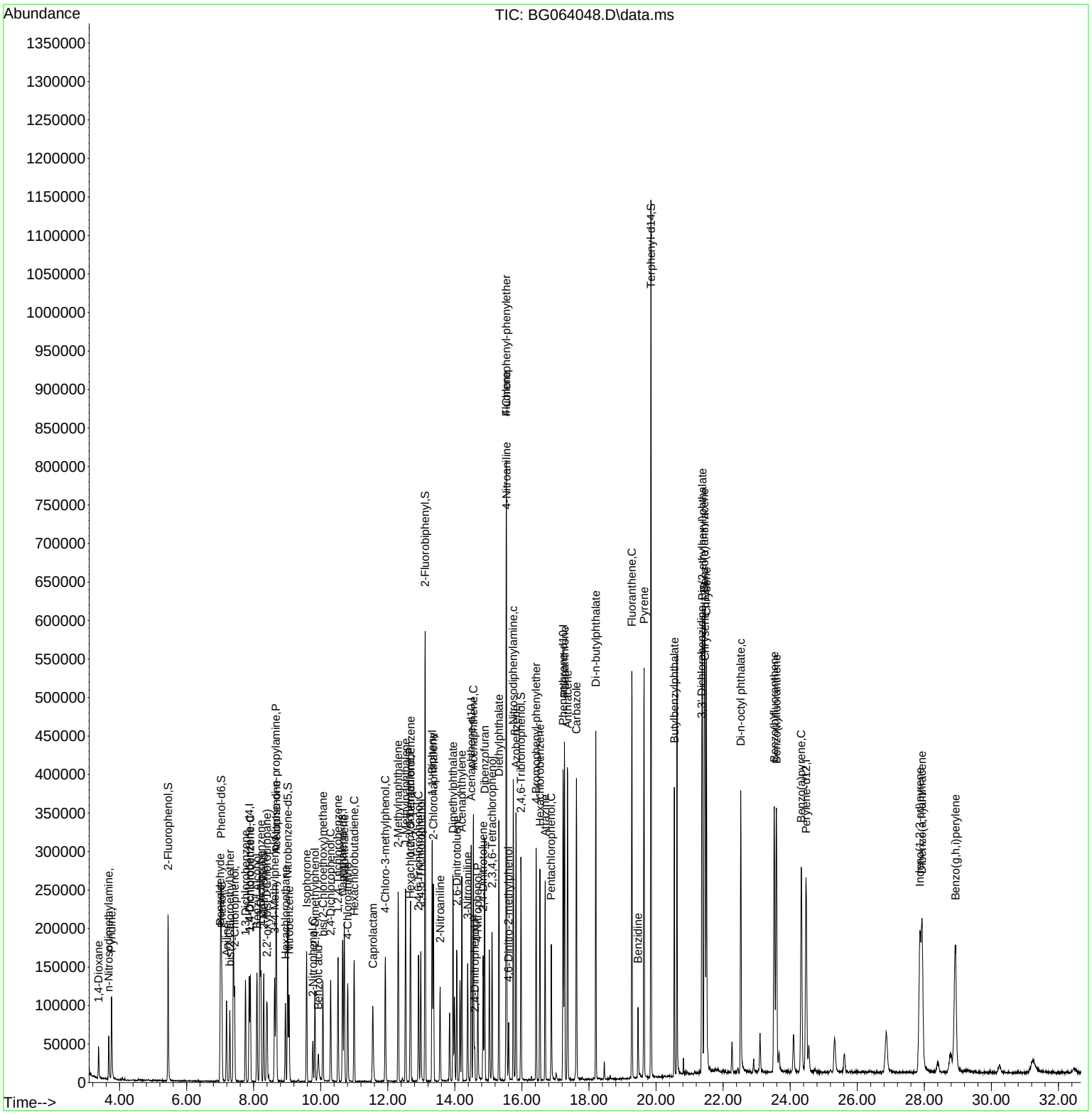
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064048.D
Acq On : 5 Mar 2025 11:03
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

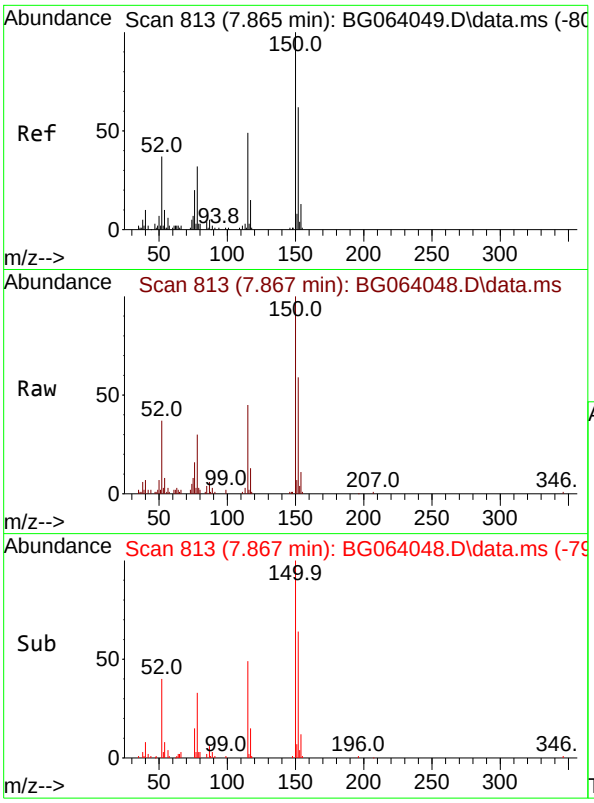
Quant Time: Mar 05 15:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

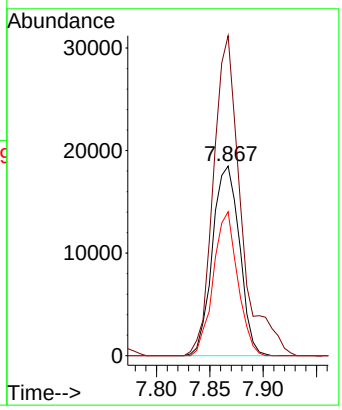




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.867 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:152 Resp: 3261

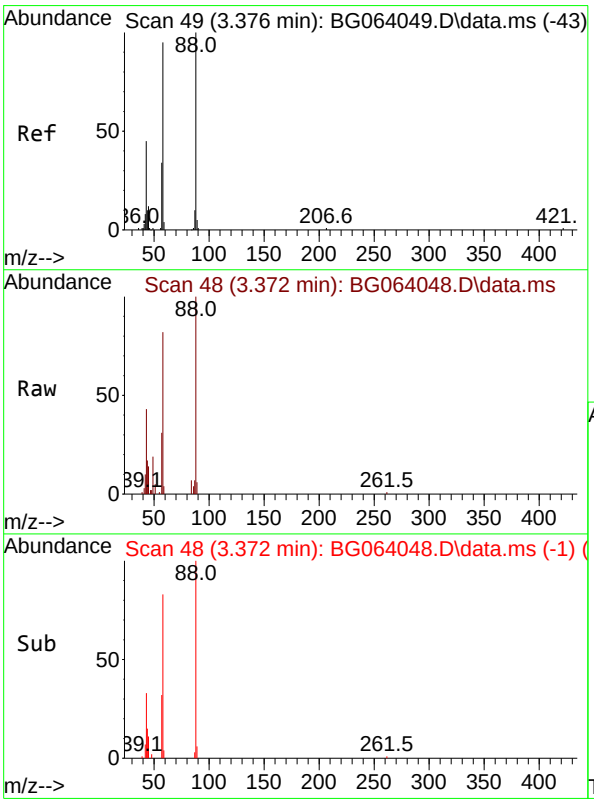
Ion	Ratio	Lower	Upper
152	100		
150	168.8	129.2	193.8
115	76.0	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

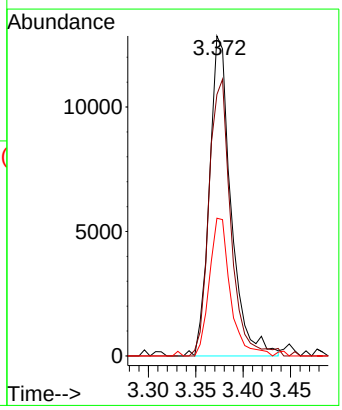
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

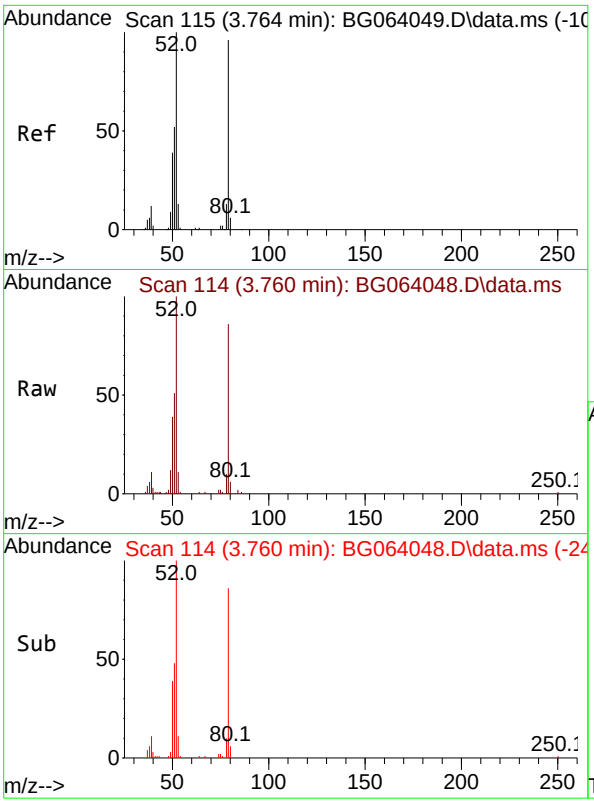


#2
1,4-Dioxane
Concen: 21.491 ng
RT: 3.372 min Scan# 48
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 88 Resp: 20346

Ion	Ratio	Lower	Upper
88	100		
58	87.3	74.6	111.8
43	41.6	35.5	53.3

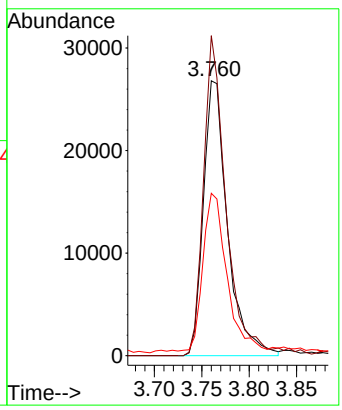




#3
Pyridine
Concen: 20.577 ng
RT: 3.760 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 79 Resp: 4737

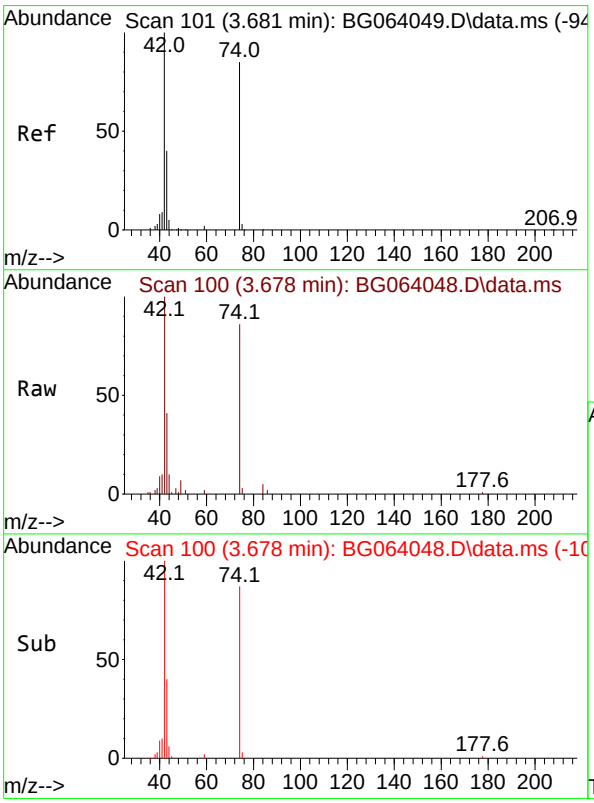
Ion	Ratio	Lower	Upper
79	100		
52	116.4	83.0	124.6
51	59.1	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

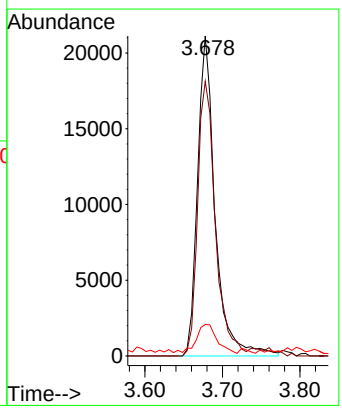
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

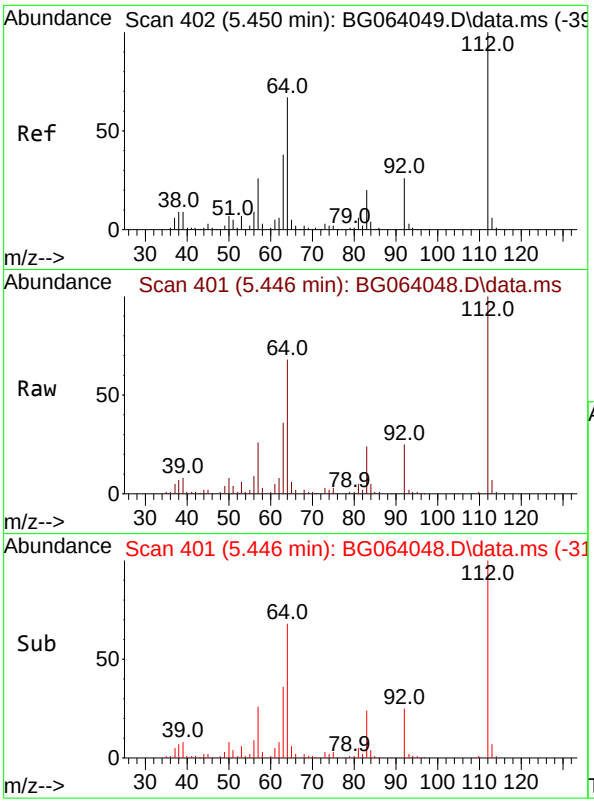


#4
n-Nitrosodimethylamine
Concen: 20.170 ng
RT: 3.678 min Scan# 100
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 42 Resp: 33180

Ion	Ratio	Lower	Upper
42	100		
74	85.8	68.0	102.0
44	9.9	4.9	7.3#

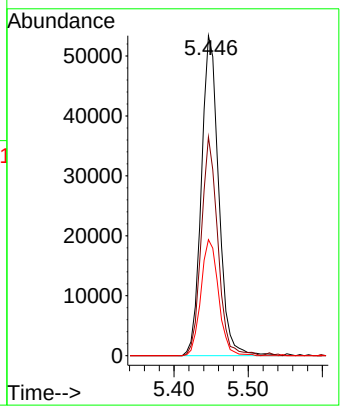




#5
2-Fluorophenol
Concen: 41.526 ng
RT: 5.446 min Scan# 4(
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:112 Resp: 8674

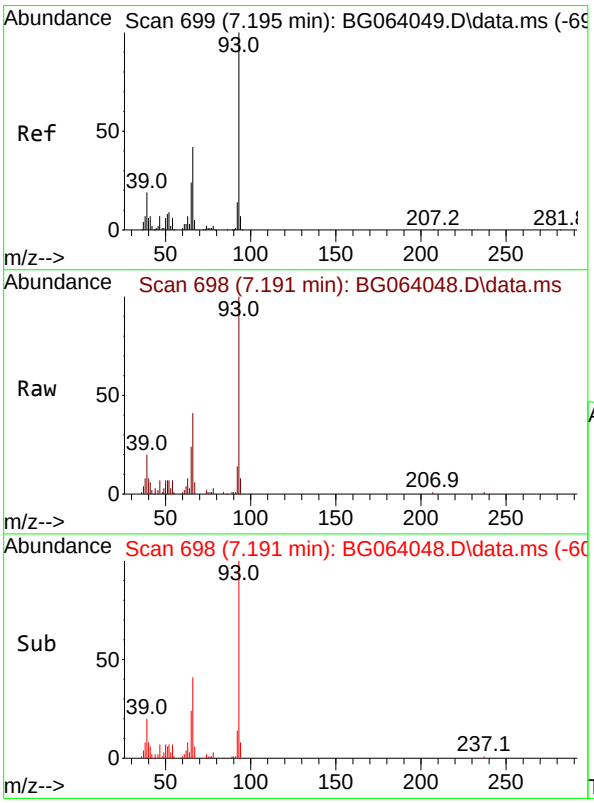
Ion	Ratio	Lower	Upper
112	100		
64	68.3	53.7	80.5
63	36.3	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

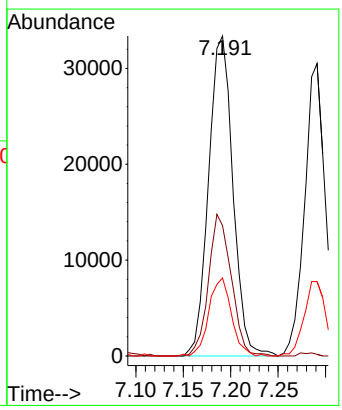
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

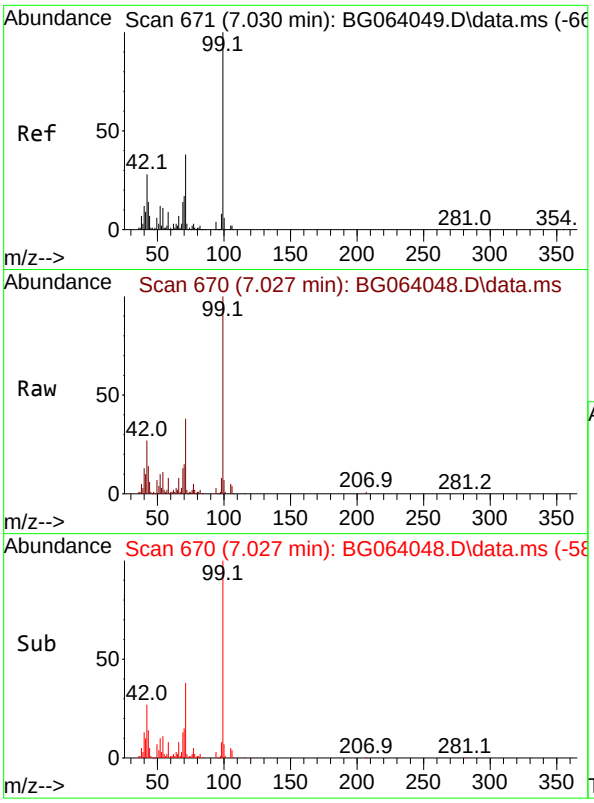


#6
Aniline
Concen: 21.349 ng
RT: 7.191 min Scan# 698
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 93 Resp: 59532

Ion	Ratio	Lower	Upper
93	100		
66	40.7	33.7	50.5
65	24.4	19.1	28.7

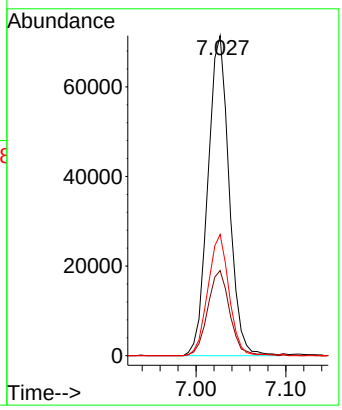




#7
Phenol-d6
Concen: 41.181 ng
RT: 7.027 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 99 Resp: 11702

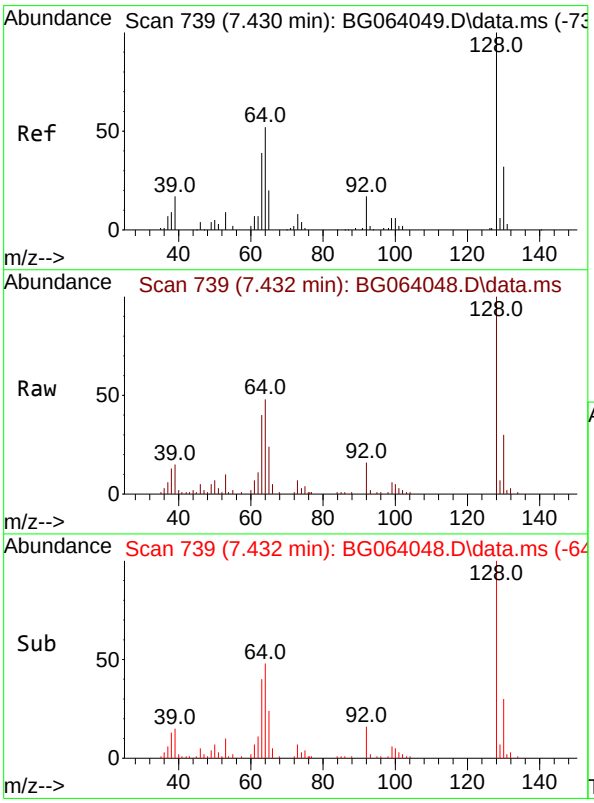
Ion	Ratio	Lower	Upper
99	100		
42	26.6	22.7	34.1
71	37.9	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

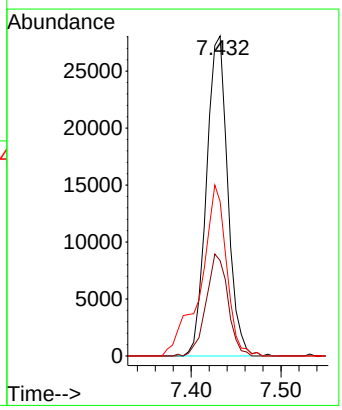
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

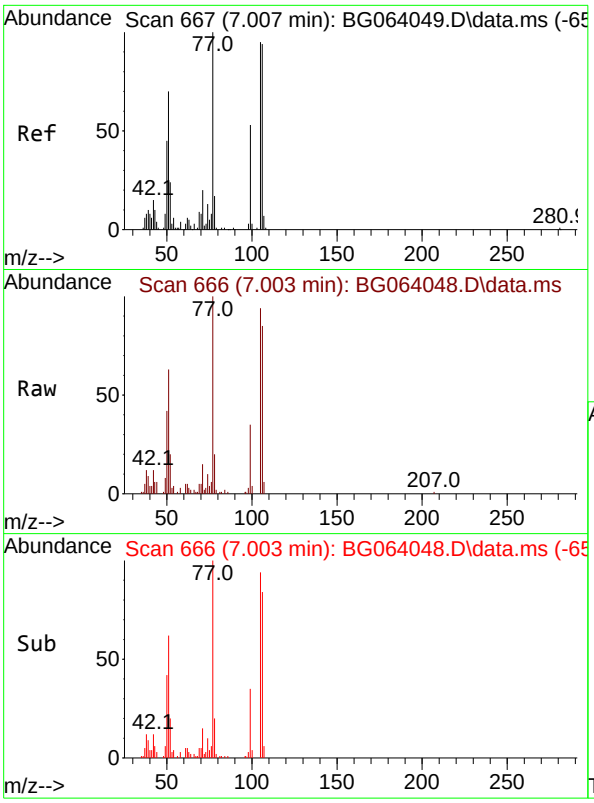


#8
2-Chlorophenol
Concen: 20.527 ng
RT: 7.432 min Scan# 739
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:128 Resp: 46053

Ion	Ratio	Lower	Upper
128	100		
130	29.8	12.3	52.3
64	48.3	37.0	77.0

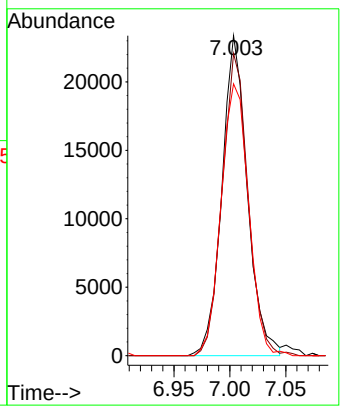




#9
Benzaldehyde
Concen: 22.246 ng m
RT: 7.003 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 77 Resp: 3695

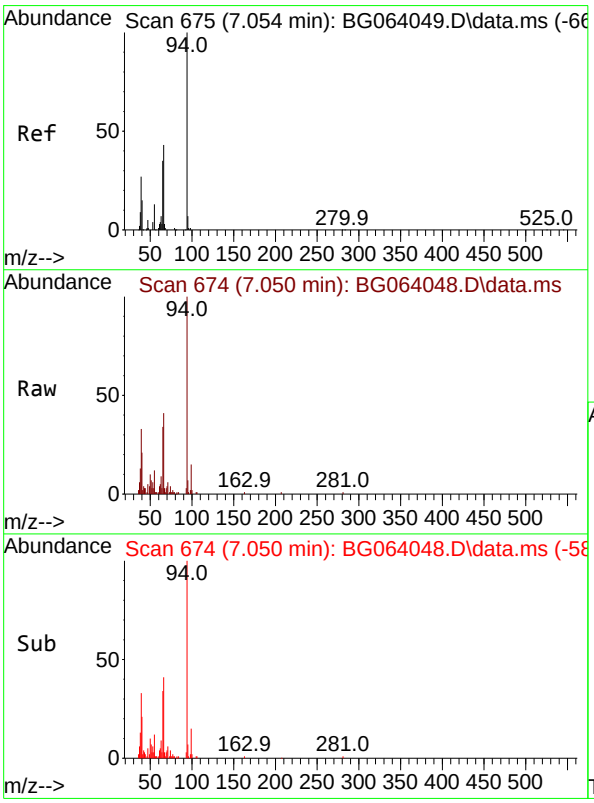
Ion	Ratio	Lower	Upper
77	100		
105	94.5	75.5	115.5
106	84.9	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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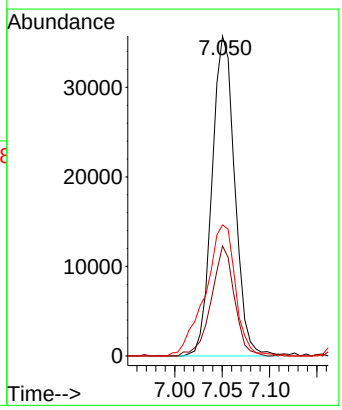
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

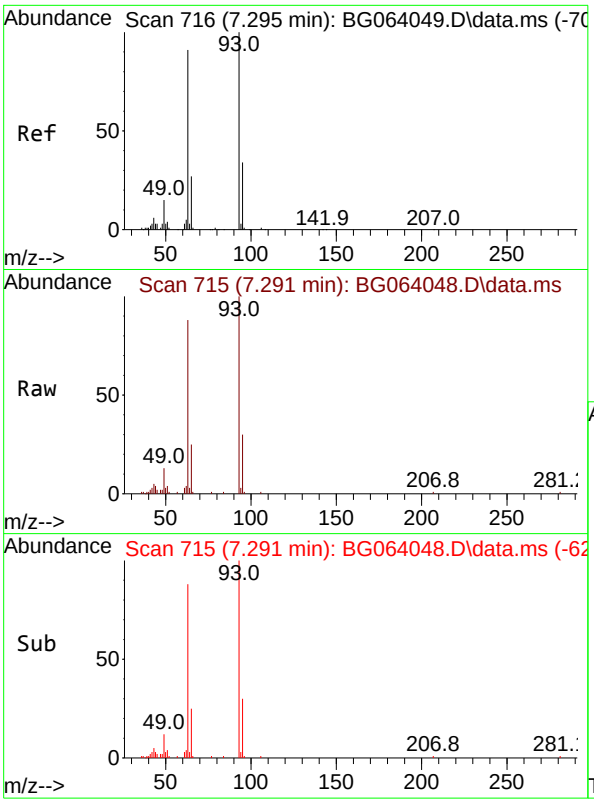


#10
Phenol
Concen: 20.473 ng
RT: 7.050 min Scan# 674
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 94 Resp: 59566

Ion	Ratio	Lower	Upper
94	100		
65	34.3	15.2	55.2
66	41.0	25.1	65.1

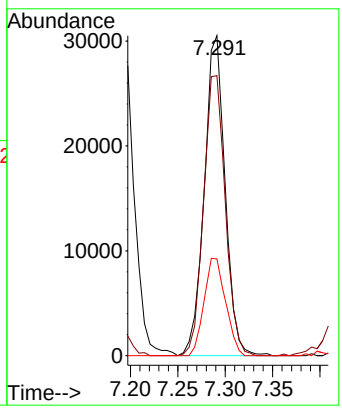




#11
bis(2-Chloroethyl)ether
Concen: 20.359 ng
RT: 7.291 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 93 Resp: 4643

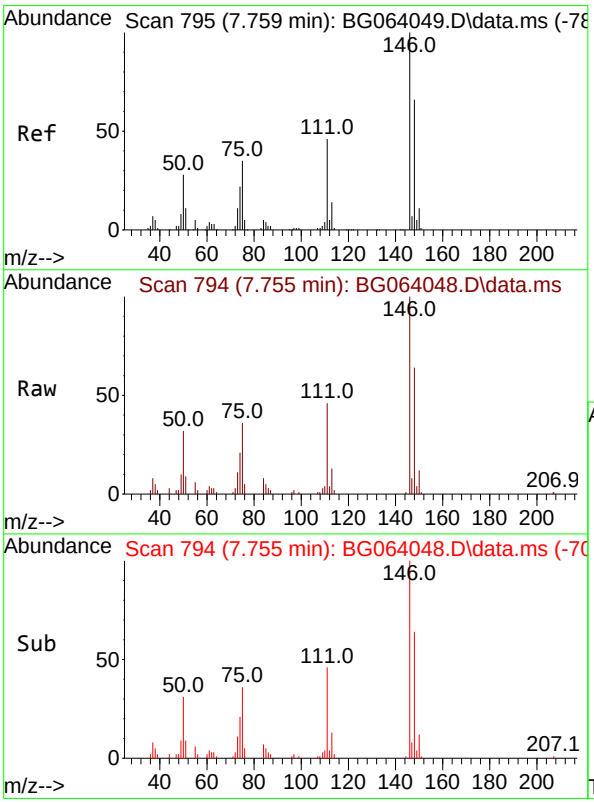
Ion	Ratio	Lower	Upper
93	100		
63	87.5	70.0	110.0
95	30.2	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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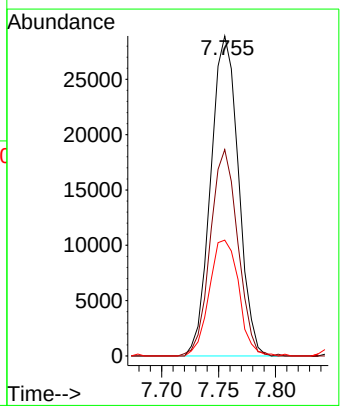
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

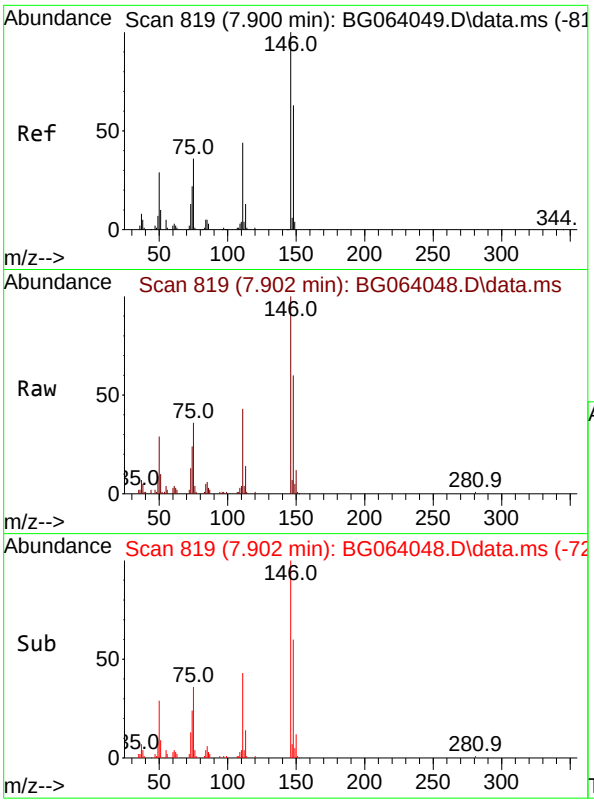


#12
1,3-Dichlorobenzene
Concen: 19.871 ng
RT: 7.755 min Scan# 794
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:146 Resp: 48956

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.6	78.8
75	36.2	28.1	42.1





#13
1,4-Dichlorobenzene
Concen: 20.757 ng
RT: 7.902 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

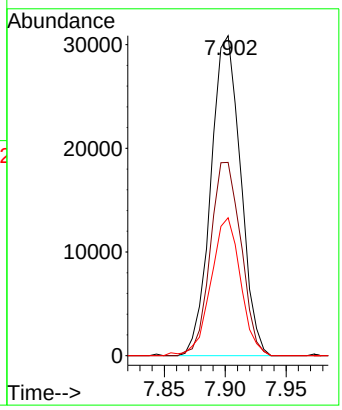
Tgt Ion:146 Resp: 5241

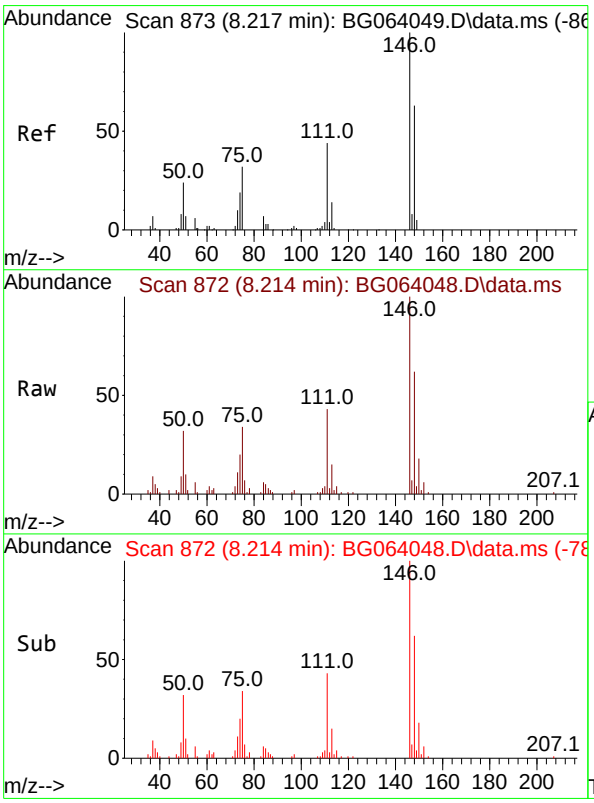
Ion	Ratio	Lower	Upper
146	100		
148	60.4	50.6	75.8
111	43.1	35.1	52.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

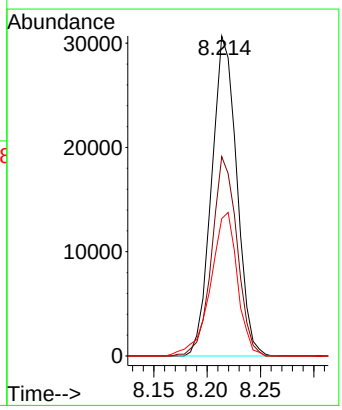


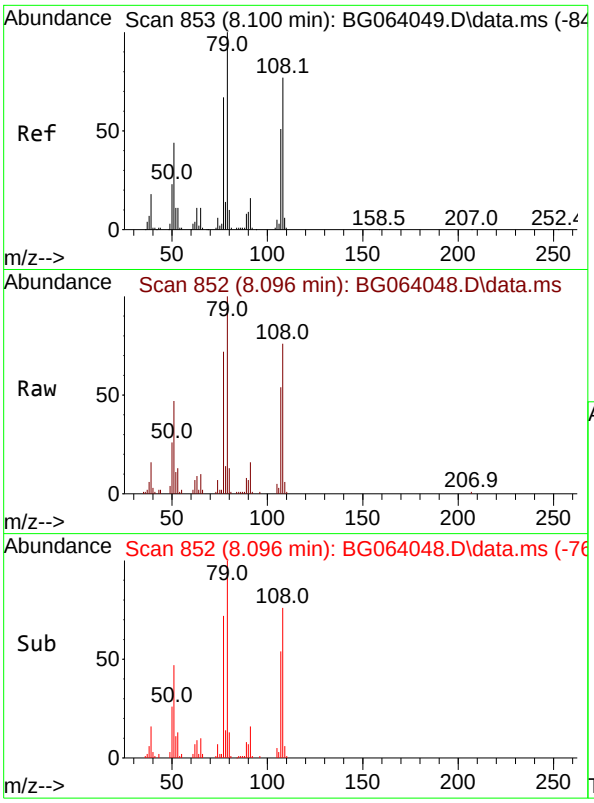


#14
1,2-Dichlorobenzene
Concen: 20.663 ng
RT: 8.214 min Scan# 872
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:146 Resp: 50317

Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.2	75.2
111	42.9	36.4	54.6

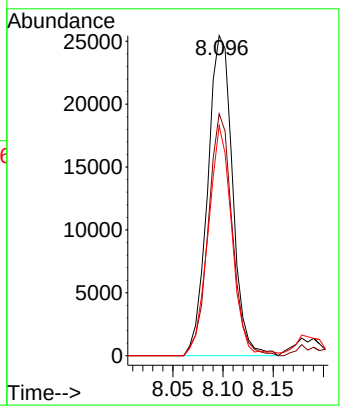




#15
Benzyl Alcohol
Concen: 19.946 ng
RT: 8.096 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 79 Resp: 4380

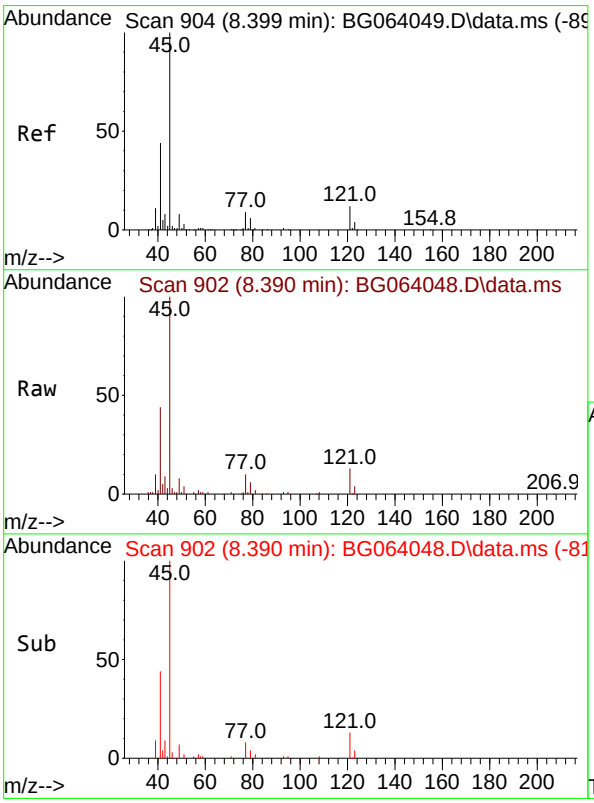
Ion	Ratio	Lower	Upper
79	100		
108	75.6	61.7	92.5
77	71.9	53.9	80.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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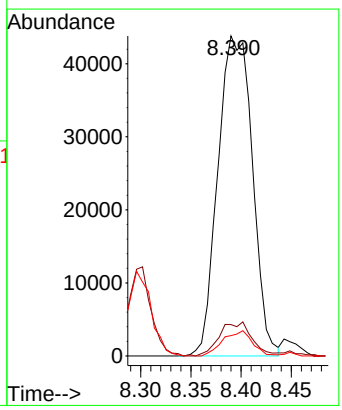
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

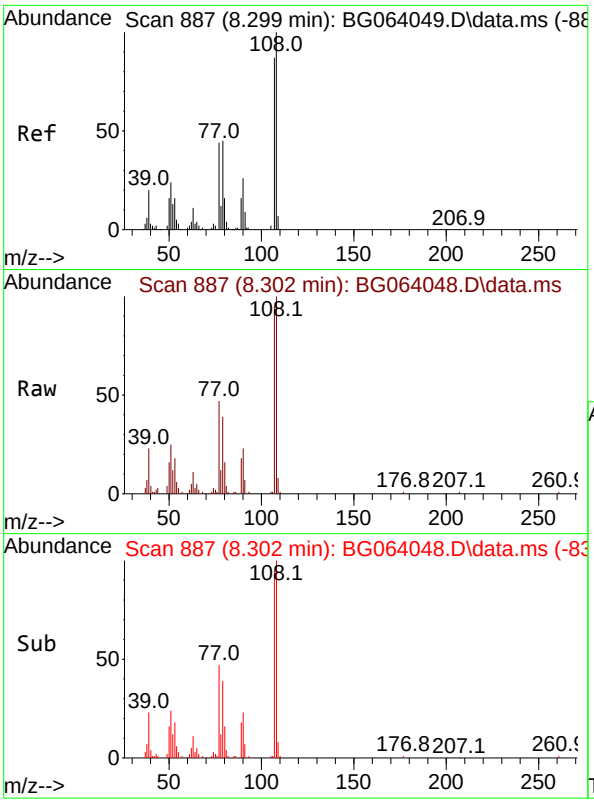


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.405 ng
RT: 8.390 min Scan# 902
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 45 Resp: 104660

Ion	Ratio	Lower	Upper
45	100		
77	9.8	0.0	29.0
79	6.3	0.0	26.6

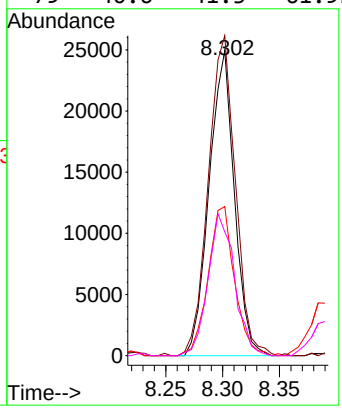




#17
2-Methylphenol
Concen: 19.883 ng
RT: 8.302 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:107 Resp: 3839

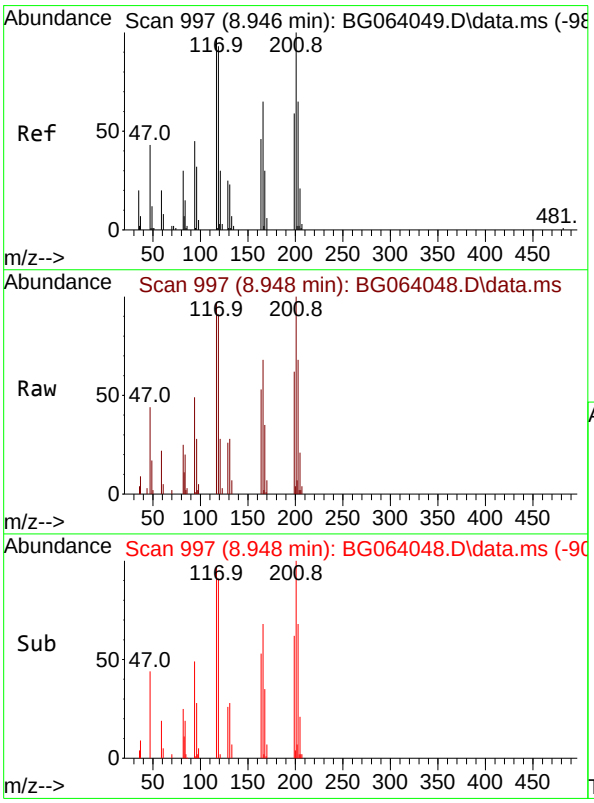
Ion	Ratio	Lower	Upper
107	100		
108	104.8	92.5	138.7
77	48.9	40.5	60.7
79	40.6	41.3	61.9#



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

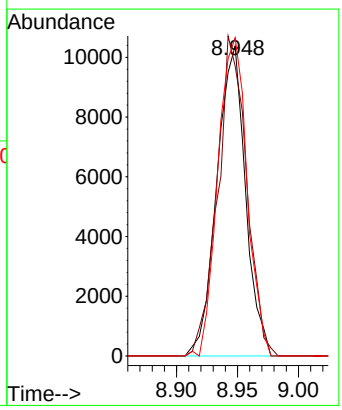
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

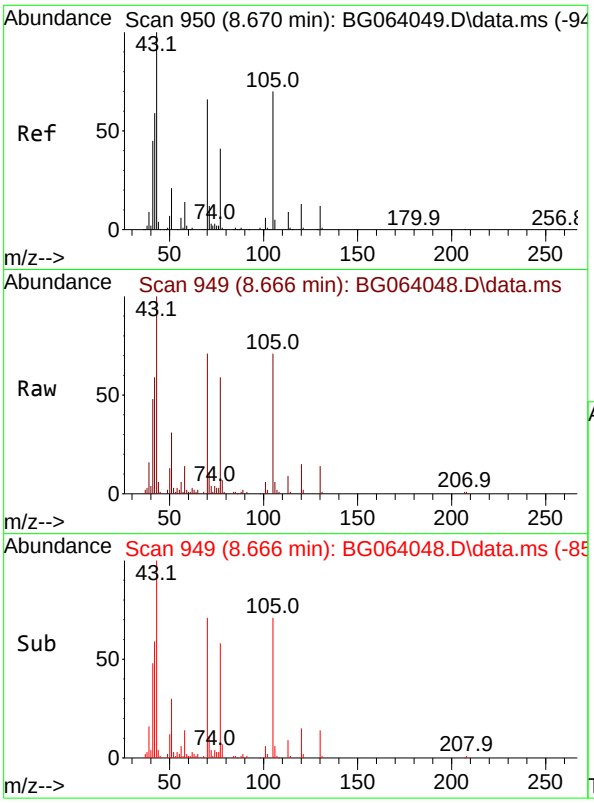


#18
Hexachloroethane
Concen: 19.194 ng
RT: 8.948 min Scan# 997
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:117 Resp: 16959

Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.2	114.2
201	102.7	81.5	122.3

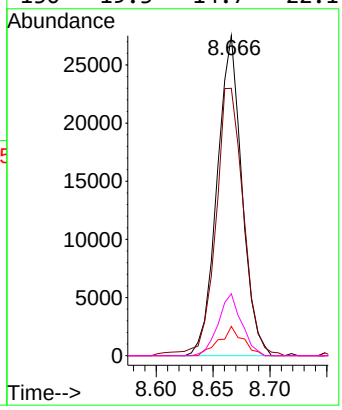




#19
n-Nitroso-di-n-propylamine
Concen: 20.960 ng
RT: 8.666 min Scan# 94
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 70 Resp: 4180

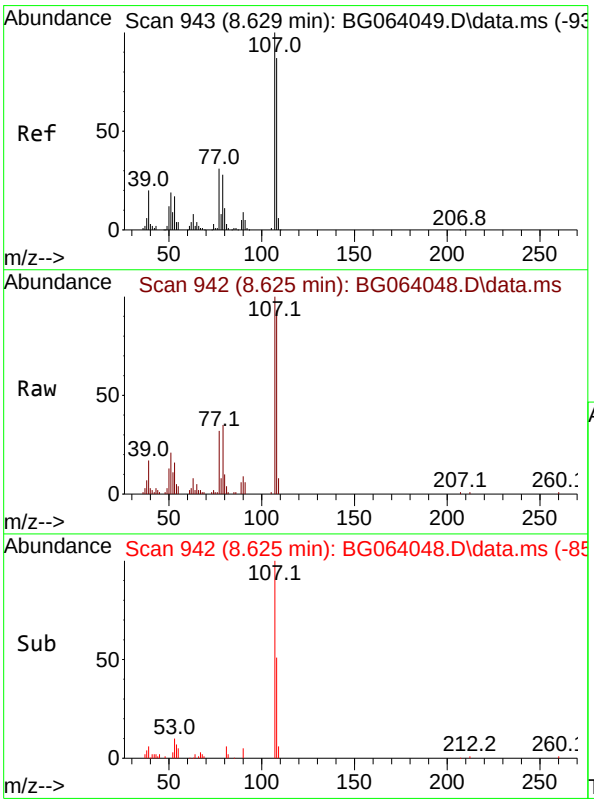
Ion	Ratio	Lower	Upper
70	100		
42	83.5	72.1	108.1
101	9.2	7.2	10.8
130	19.3	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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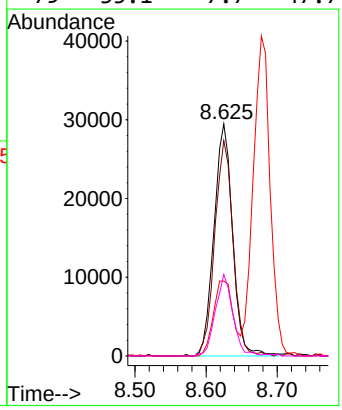
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

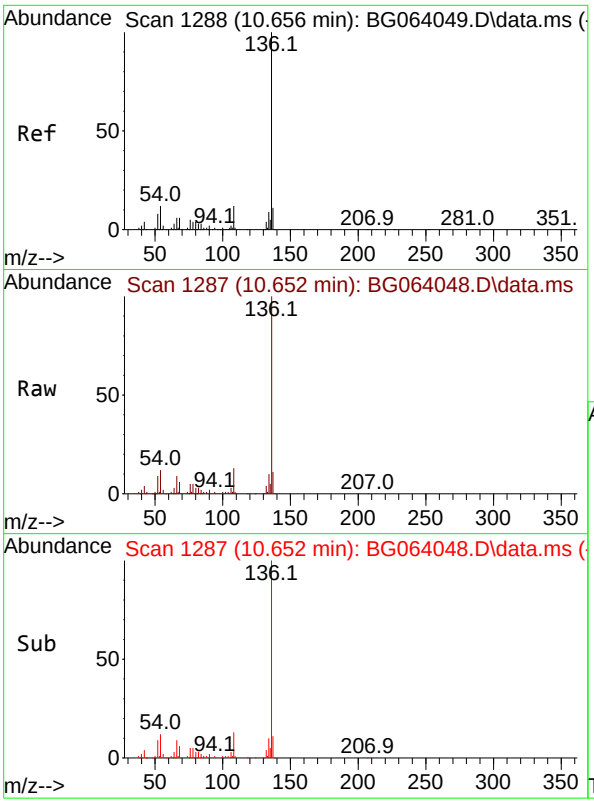


#20
3+4-Methylphenols
Concen: 20.102 ng
RT: 8.625 min Scan# 942
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:107 Resp: 53440

Ion	Ratio	Lower	Upper
107	100		
108	92.8	67.0	107.0
77	32.3	11.2	51.2
79	35.1	7.7	47.7

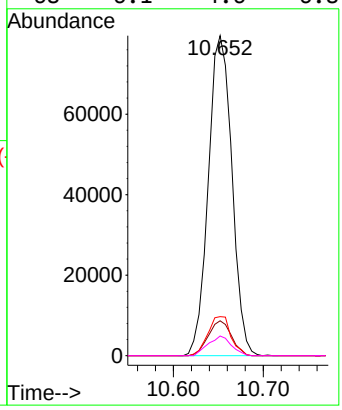




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:136 Resp: 14508

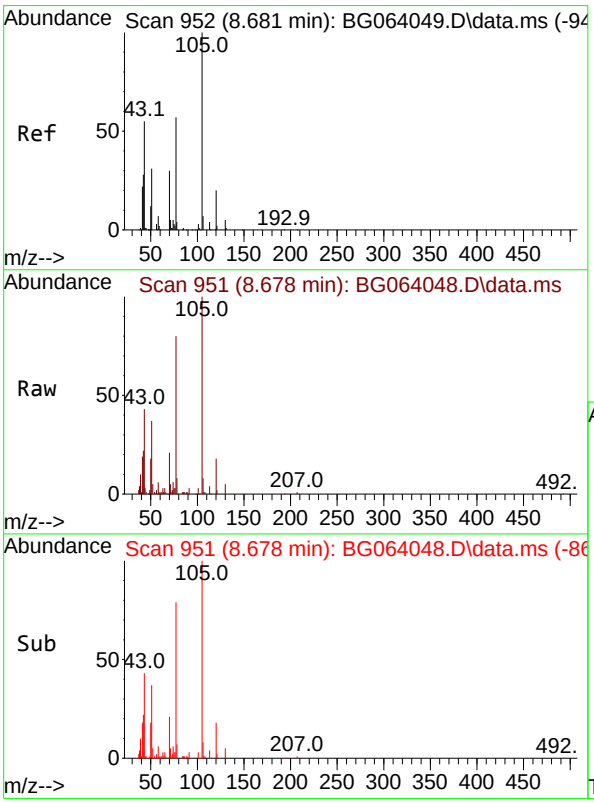
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	12.2	9.9	14.9
68	6.1	4.6	6.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

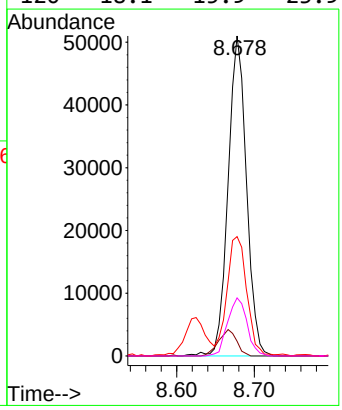
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

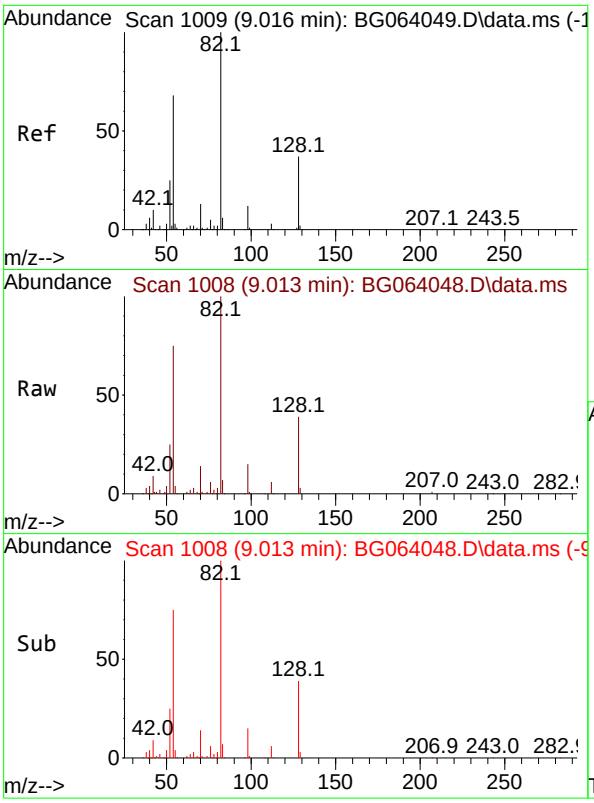


#22
Acetophenone
Concen: 21.140 ng
RT: 8.678 min Scan# 951
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:105 Resp: 84092

Ion	Ratio	Lower	Upper
105	100		
71	4.6	4.2	6.4
51	37.3	33.3	49.9
120	18.1	15.9	23.9

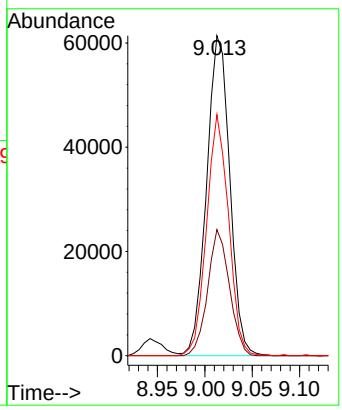




#23
Nitrobenzene-d5
Concen: 39.746 ng
RT: 9.013 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 82 Resp: 10434

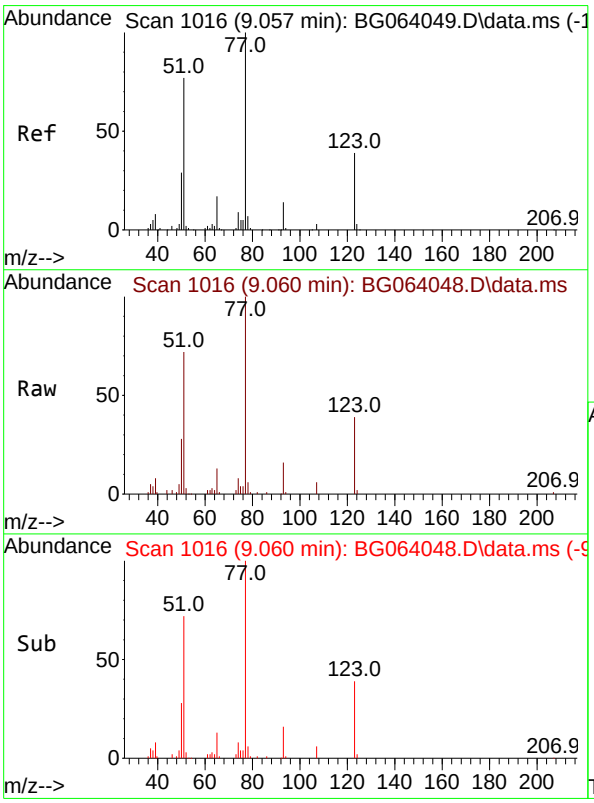
Ion	Ratio	Lower	Upper
82	100		
128	39.4	30.0	45.0
54	75.3	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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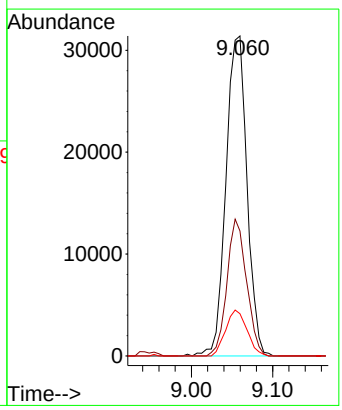
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

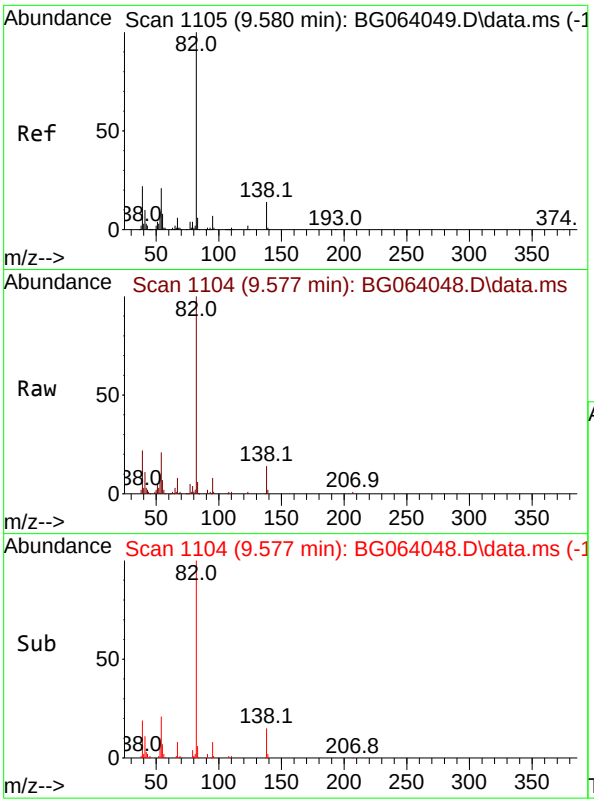


#24
Nitrobenzene
Concen: 20.828 ng
RT: 9.060 min Scan# 1016
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 77 Resp: 56511

Ion	Ratio	Lower	Upper
77	100		
123	39.1	31.4	47.2
65	13.2	13.4	20.0#

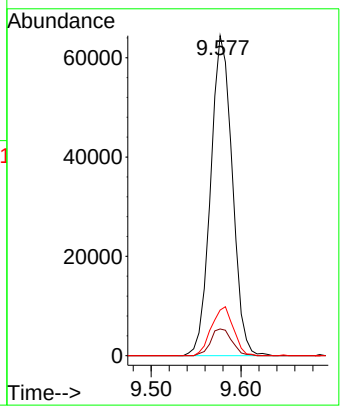




#25
Isophorone
Concen: 20.530 ng
RT: 9.577 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 82 Resp: 10788

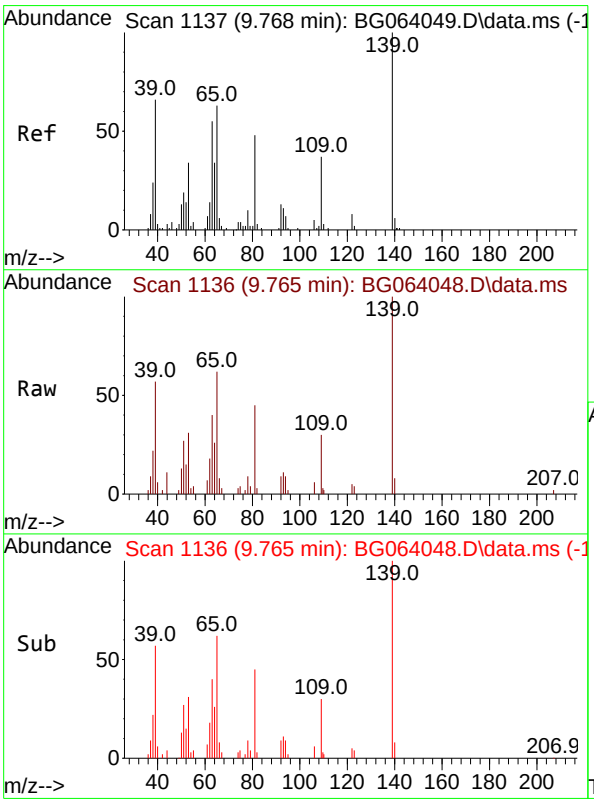
Ion	Ratio	Lower	Upper
82	100		
95	8.3	5.8	8.8
138	14.3	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

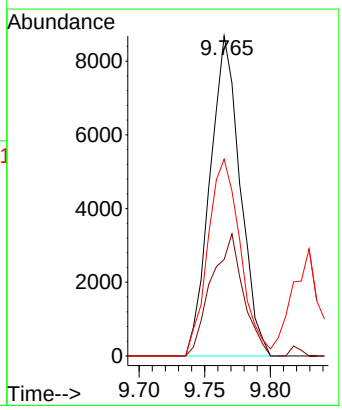
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

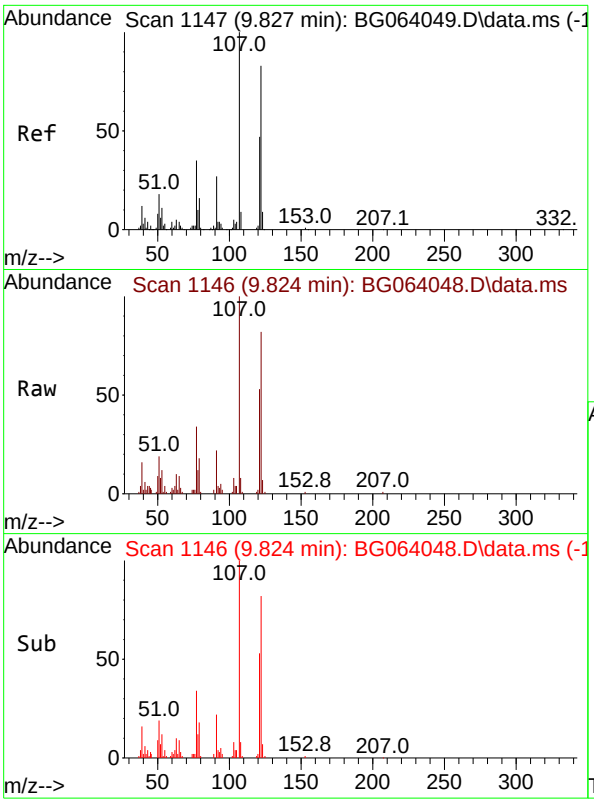


#26
2-Nitrophenol
Concen: 18.663 ng
RT: 9.765 min Scan# 1136
Delta R.T. -0.003 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:139 Resp: 13886

Ion	Ratio	Lower	Upper
139	100		
109	33.1	29.9	44.9
65	61.5	50.6	76.0

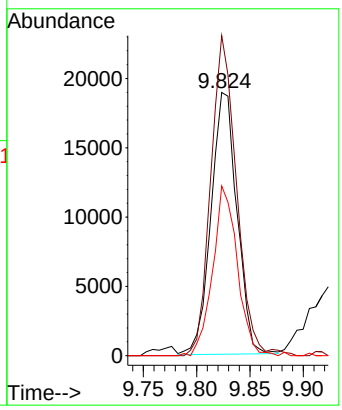




#27
2,4-Dimethylphenol
Concen: 20.322 ng
RT: 9.824 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:122 Resp: 3201

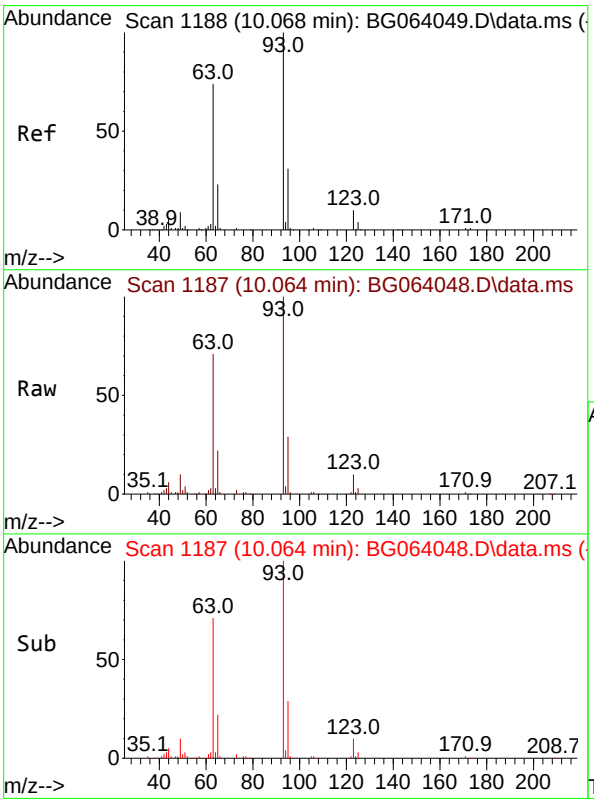
Ion	Ratio	Lower	Upper
122	100		
107	121.6	95.4	143.0
121	64.5	44.9	67.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

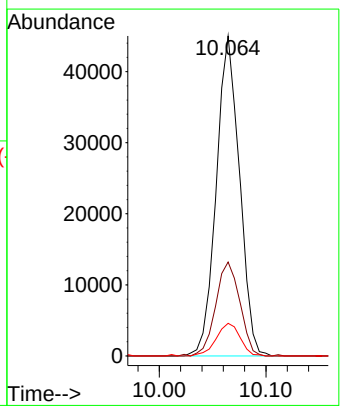
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

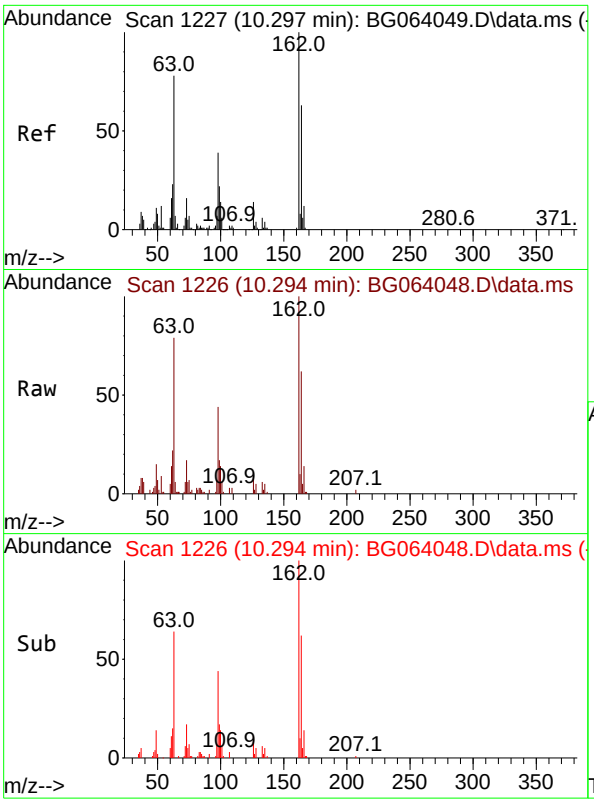


#28
bis(2-Chloroethoxy)methane
Concen: 21.327 ng
RT: 10.064 min Scan# 1187
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 93 Resp: 67945

Ion	Ratio	Lower	Upper
93	100		
95	29.3	25.0	37.4
123	10.2	7.6	11.4

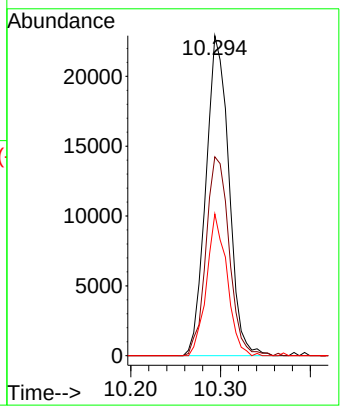




#29
2,4-Dichlorophenol
Concen: 20.475 ng
RT: 10.294 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:162 Resp: 4072

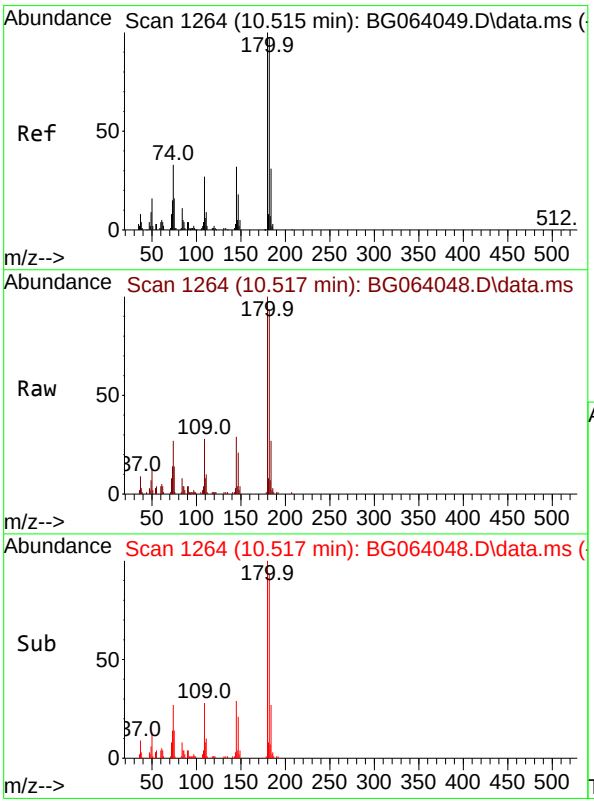
Ion	Ratio	Lower	Upper
162	100		
164	62.2	42.8	82.8
98	44.3	19.1	59.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

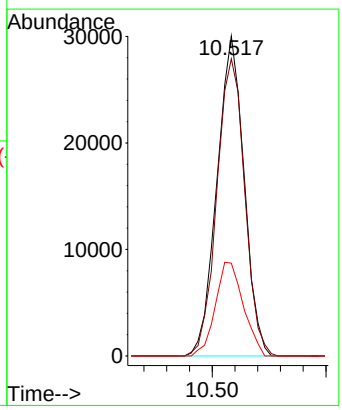
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

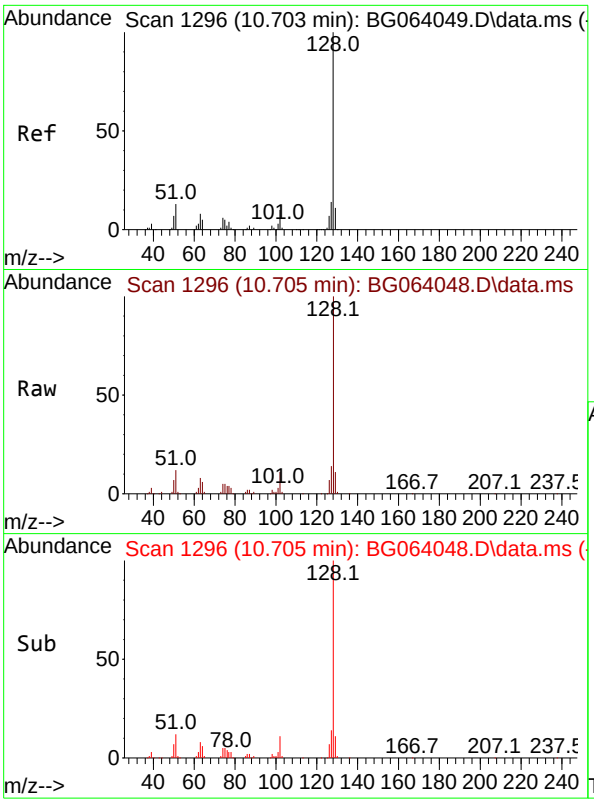


#30
1,2,4-Trichlorobenzene
Concen: 20.698 ng
RT: 10.517 min Scan# 1264
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:180 Resp: 49701

Ion	Ratio	Lower	Upper
180	100		
182	92.8	77.3	115.9
145	29.0	25.2	37.8

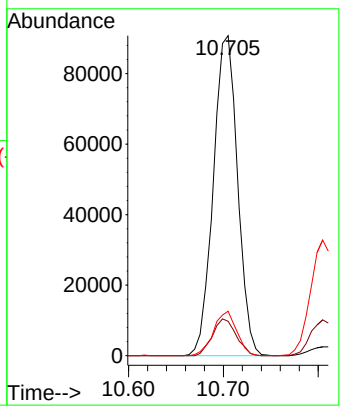




#31
Naphthalene
Concen: 20.654 ng
RT: 10.705 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:128 Resp: 16158

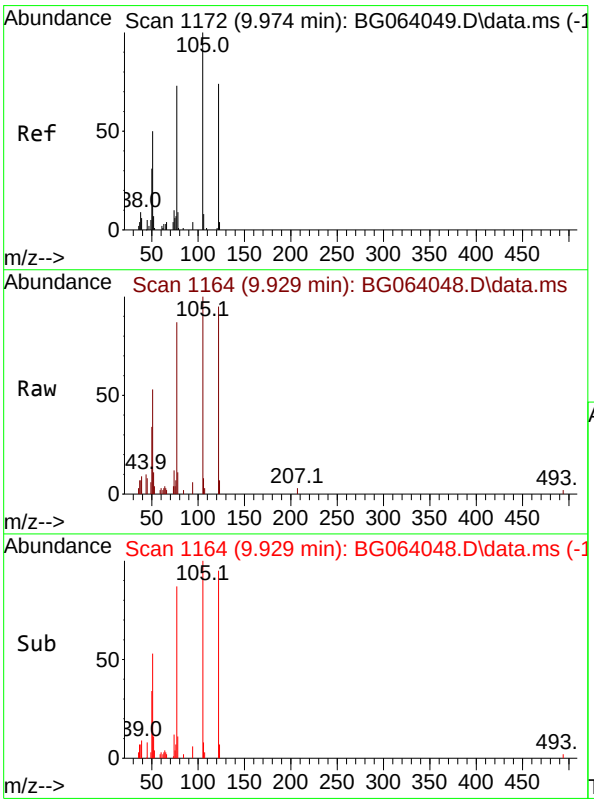
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.4	12.6
127	13.9	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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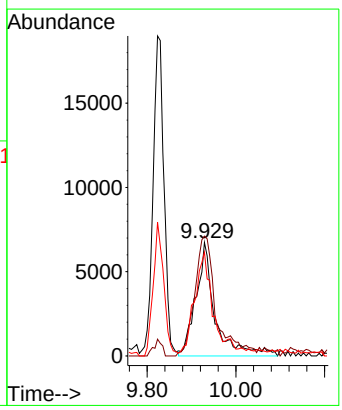
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

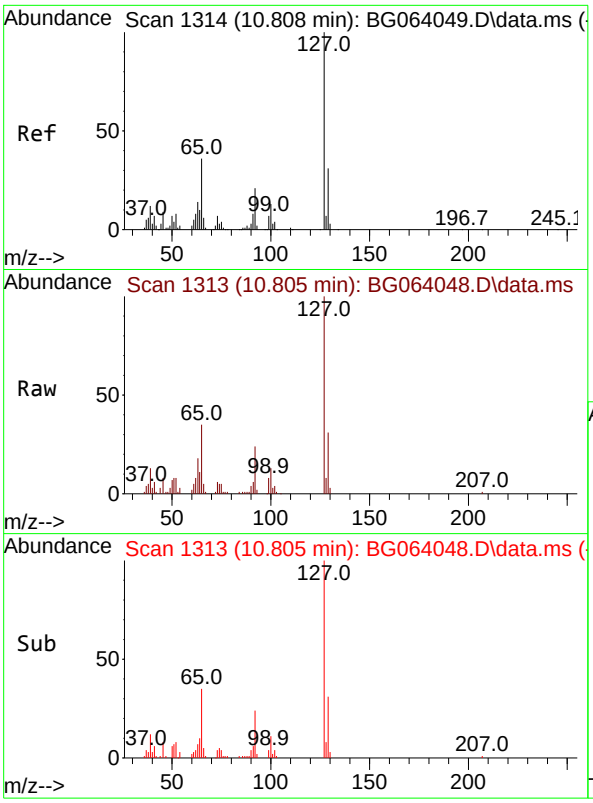


#32
Benzoic acid
Concen: 20.131 ng m
RT: 9.929 min Scan# 1164
Delta R.T. -0.045 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:122 Resp: 20223

Ion	Ratio	Lower	Upper
122	100		
105	105.6	115.0	155.0#
77	91.5	80.9	120.9

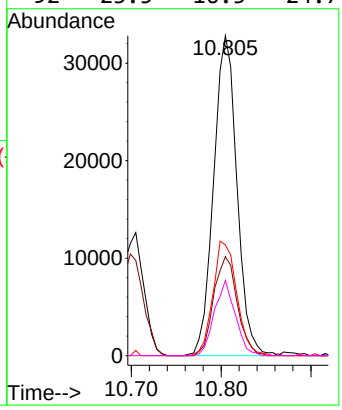




#33
4-Chloroaniline
Concen: 20.668 ng
RT: 10.805 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:127 Resp: 5909

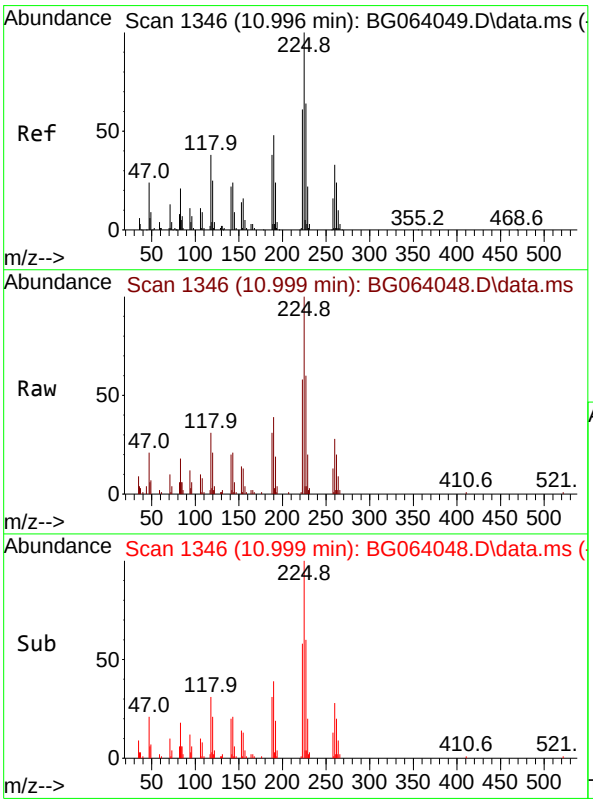
Ion	Ratio	Lower	Upper
127	100		
129	30.9	25.0	37.4
65	34.6	28.5	42.7
92	23.5	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

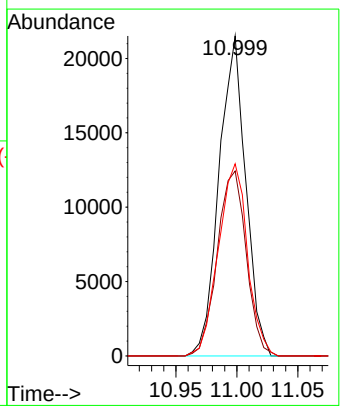
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

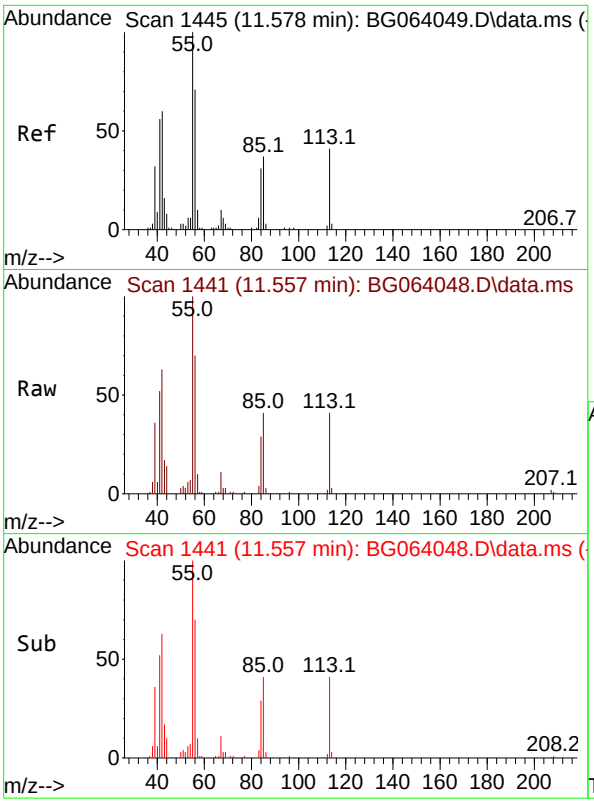


#34
Hexachlorobutadiene
Concen: 20.760 ng
RT: 10.999 min Scan# 1346
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:225 Resp: 32675

Ion	Ratio	Lower	Upper
225	100		
223	57.8	48.5	72.7
227	60.1	51.0	76.6

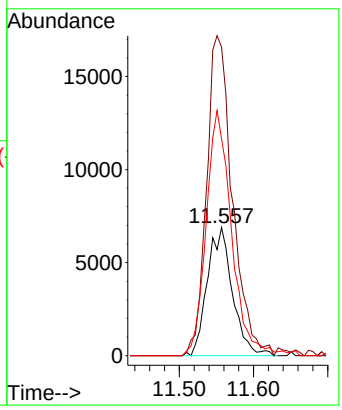




#35
Caprolactam
Concen: 21.319 ng
RT: 11.557 min Scan# 14
Delta R.T. -0.021 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:113 Resp: 1625

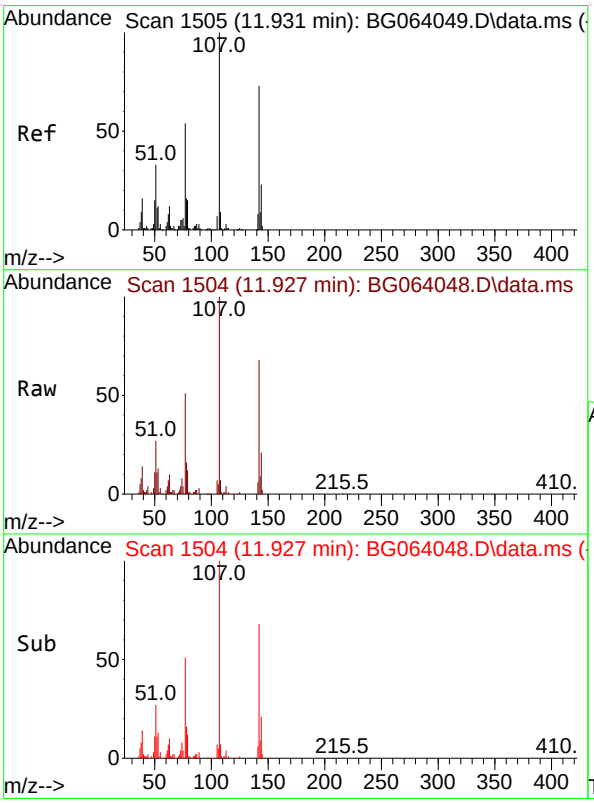
Ion	Ratio	Lower	Upper
113	100		
55	241.0	225.2	265.2
56	169.2	153.4	193.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

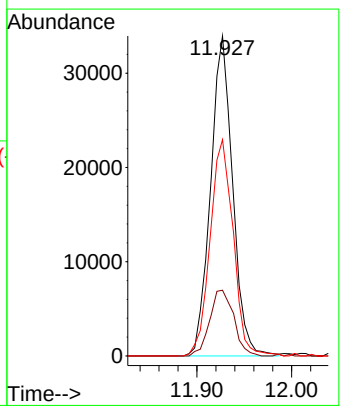
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

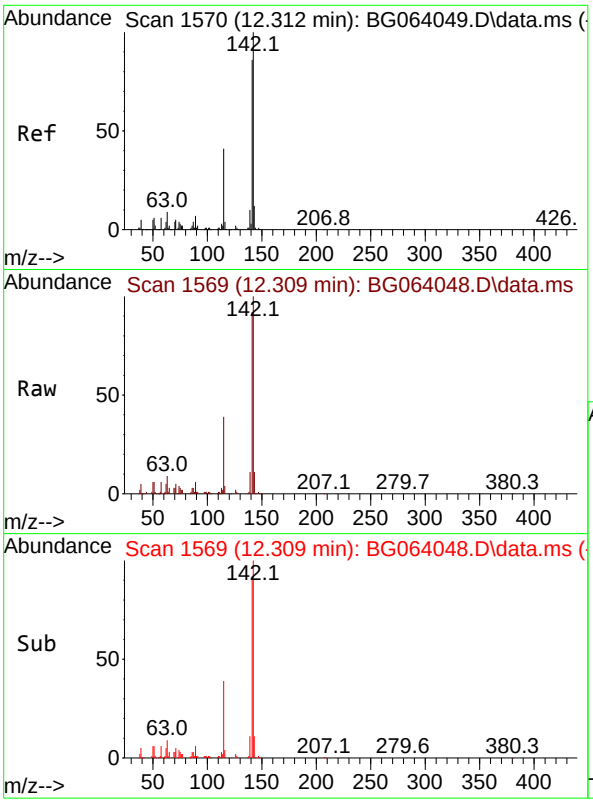


#36
4-Chloro-3-methylphenol
Concen: 21.103 ng
RT: 11.927 min Scan# 1504
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:107 Resp: 55024

Ion	Ratio	Lower	Upper
107	100		
144	20.5	18.6	28.0
142	67.6	58.0	87.0

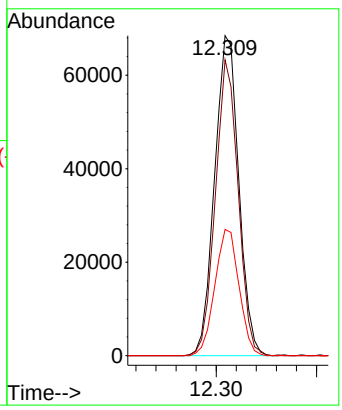




#37
2-Methylnaphthalene
Concen: 20.696 ng
RT: 12.309 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:142 Resp: 11430

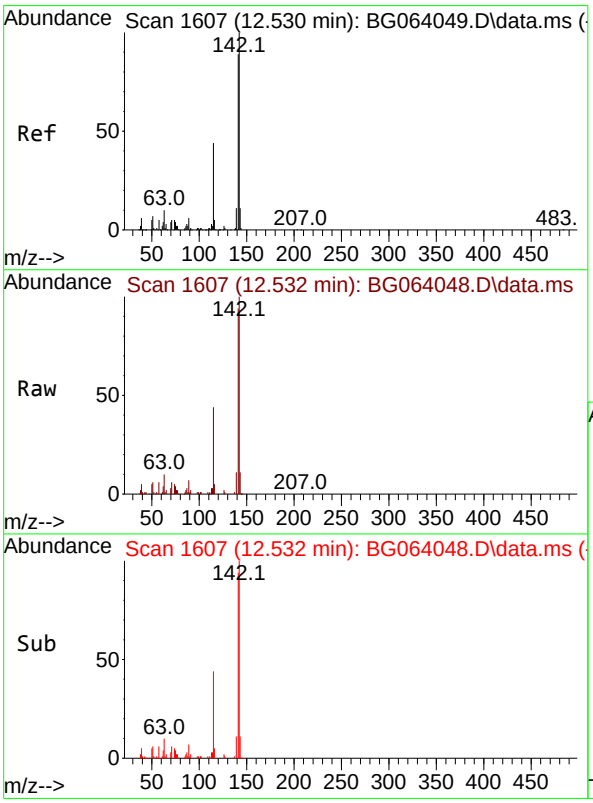
Ion	Ratio	Lower	Upper
142	100		
141	92.5	68.6	103.0
115	39.4	32.8	49.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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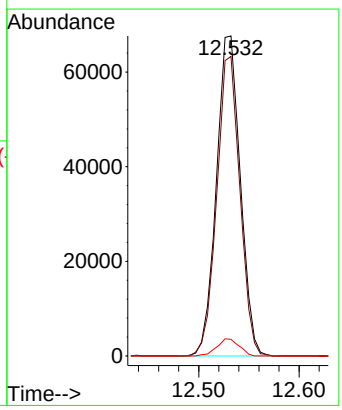
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

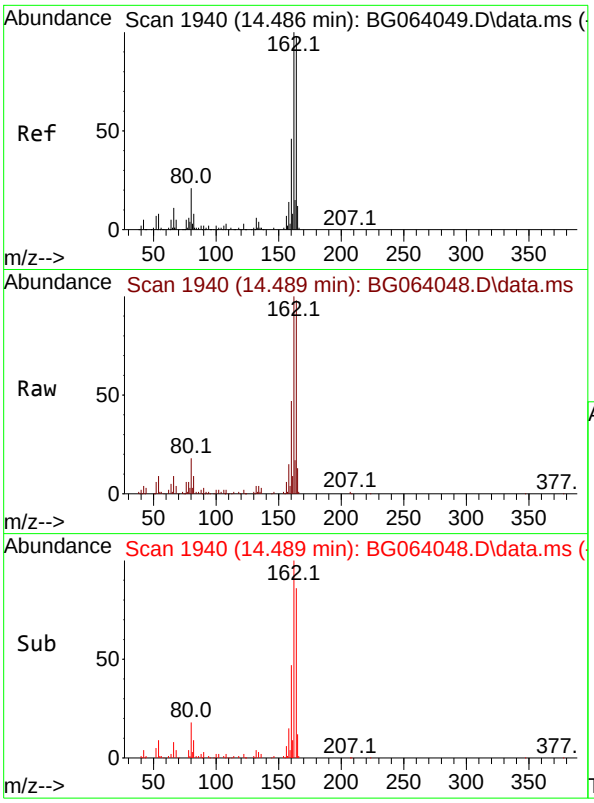


#38
1-Methylnaphthalene
Concen: 20.668 ng
RT: 12.532 min Scan# 1607
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:142 Resp: 111828

Ion	Ratio	Lower	Upper
142	100		
141	93.6	71.2	106.8
116	5.2	3.6	5.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.489 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

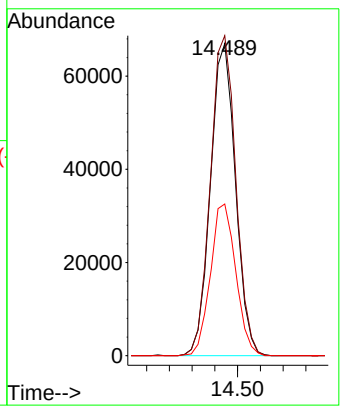
Tgt Ion:164 Resp: 10233

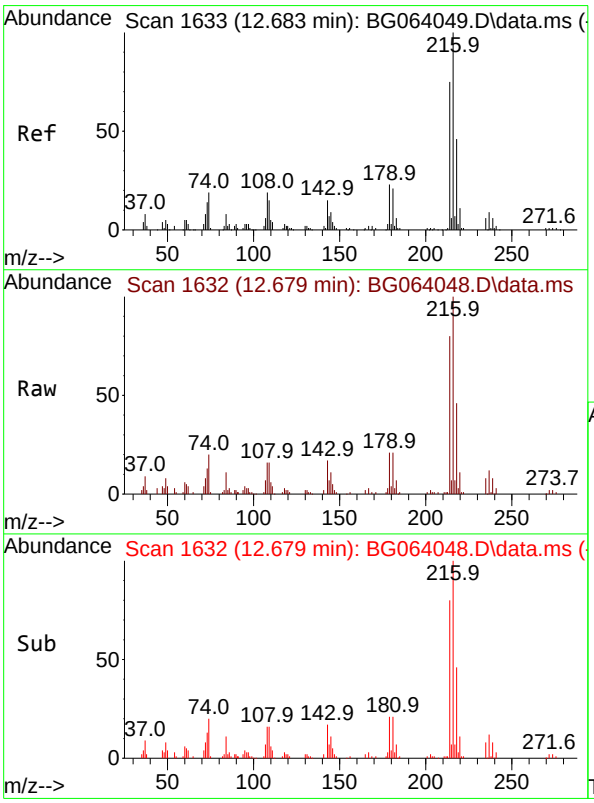
Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.4	122.0
160	48.6	37.0	55.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

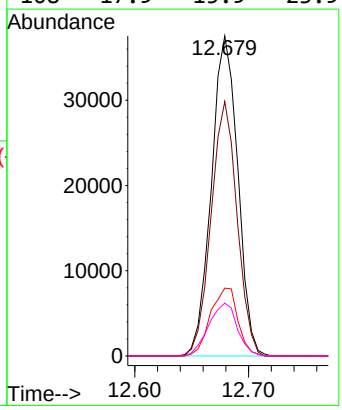


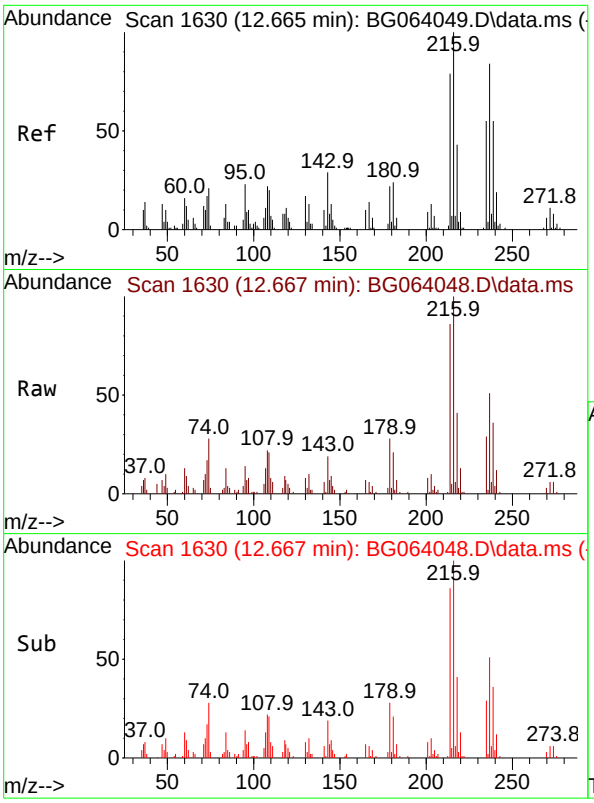


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.727 ng
RT: 12.679 min Scan# 1632
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:216 Resp: 60556

Ion	Ratio	Lower	Upper
216	100		
214	78.2	61.7	92.5
179	22.0	17.9	26.9
108	17.9	15.9	23.9





#41
Hexachlorocyclopentadiene
Concen: 20.029 ng
RT: 12.667 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

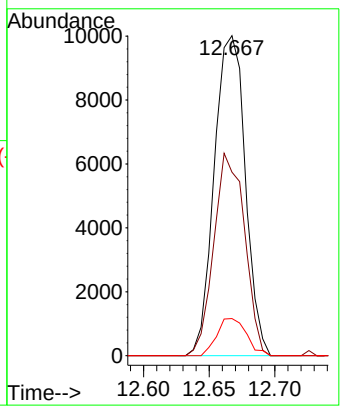
Instrument :
BNA_G
ClientSampleId :
SSTDICC020

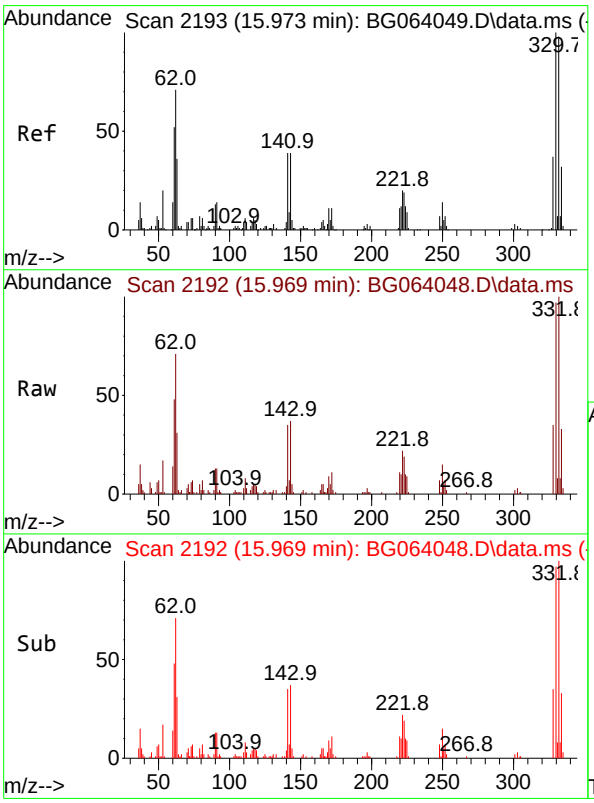
Tgt Ion:237 Resp: 1647

Ion	Ratio	Lower	Upper
237	100		
235	57.4	46.0	86.0
272	11.6	0.0	32.8

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

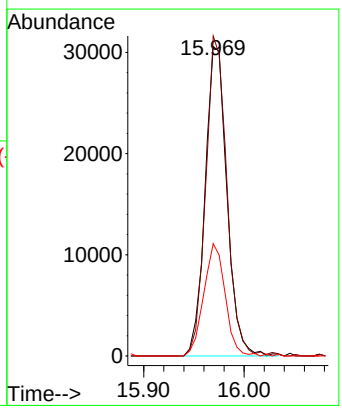


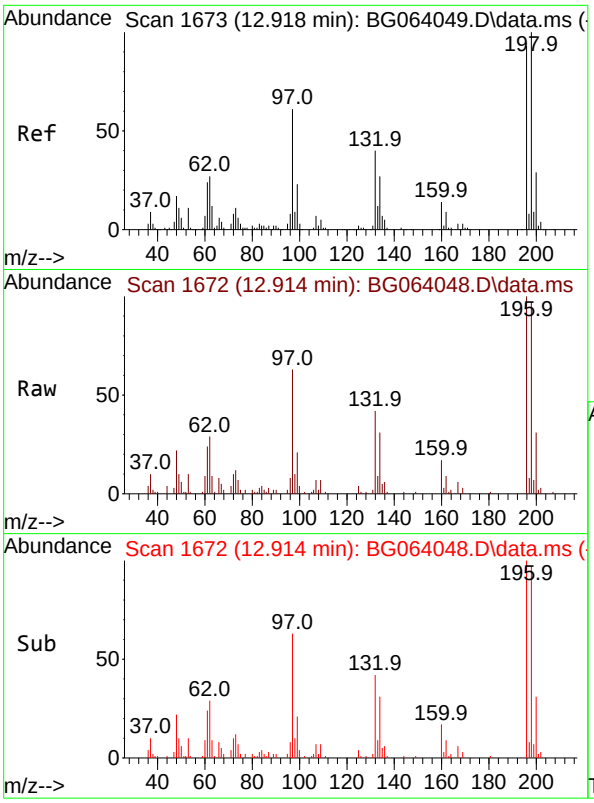


#42
2,4,6-Tribromophenol
Concen: 40.723 ng
RT: 15.969 min Scan# 2192
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:330 Resp: 46324

Ion	Ratio	Lower	Upper
330	100		
332	99.8	76.7	115.1
141	35.7	29.7	44.5

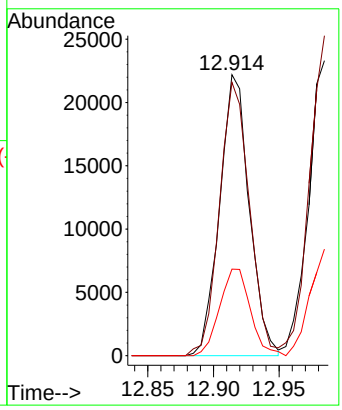




#43
2,4,6-Trichlorophenol
Concen: 20.264 ng
RT: 12.914 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:196 Resp: 3489

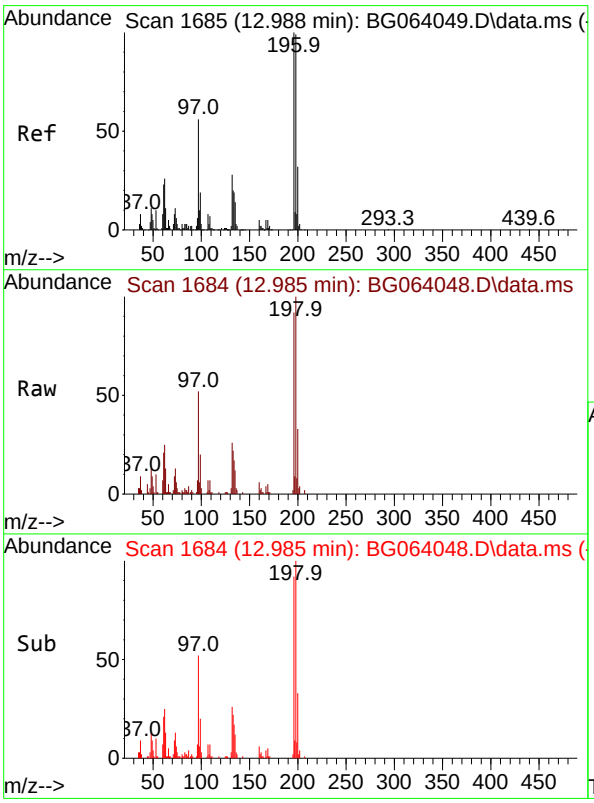
Ion	Ratio	Lower	Upper
196	100		
198	97.3	85.6	128.4
200	30.8	24.6	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

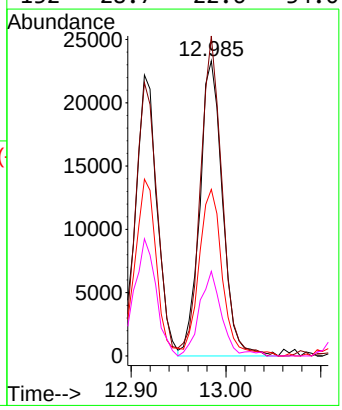
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

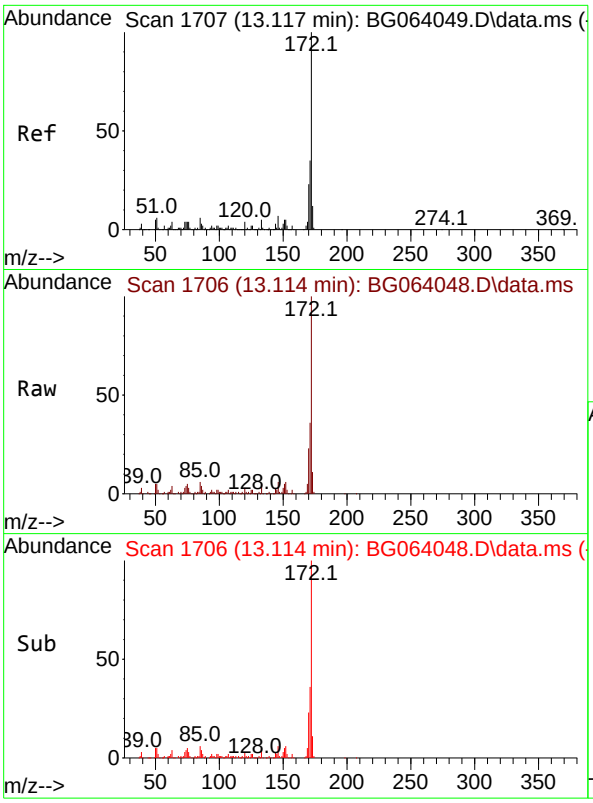


#44
2,4,5-Trichlorophenol
Concen: 20.381 ng
RT: 12.985 min Scan# 1684
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:196 Resp: 38995

Ion	Ratio	Lower	Upper
196	100		
198	108.4	79.5	119.3
97	56.4	45.2	67.8
132	28.7	22.6	34.0

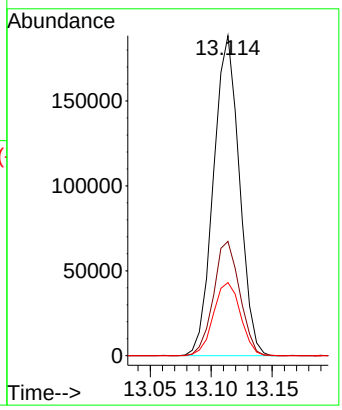




#45
2-Fluorobiphenyl
Concen: 41.267 ng
RT: 13.114 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:172 Resp: 27822

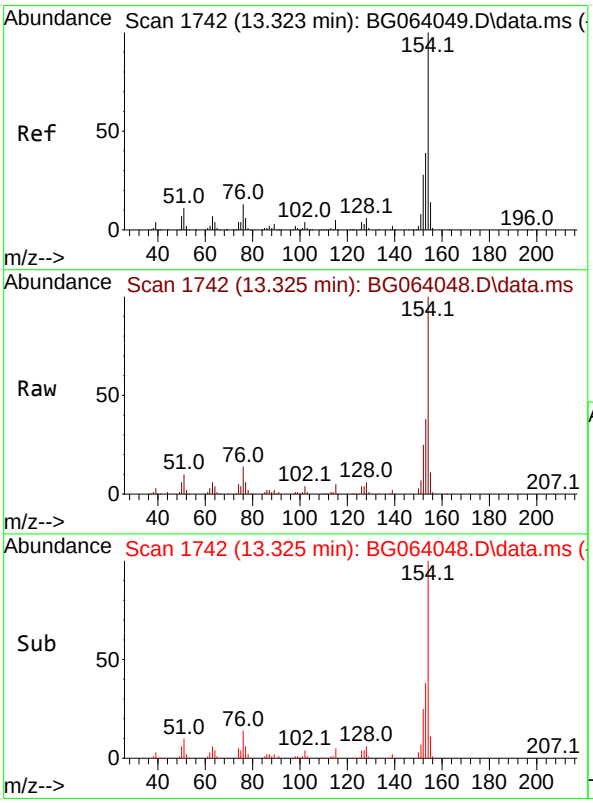
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.0	42.0
170	22.9	18.7	28.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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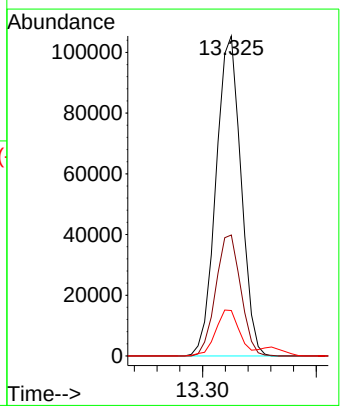
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

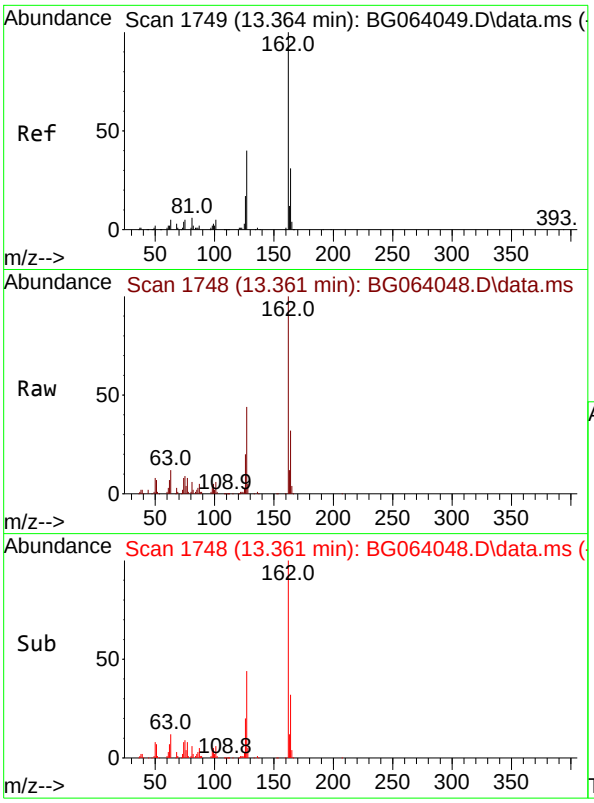


#46
1,1'-Biphenyl
Concen: 20.803 ng
RT: 13.325 min Scan# 1742
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:154 Resp: 160835

Ion	Ratio	Lower	Upper
154	100		
153	37.8	19.5	59.5
76	14.2	0.0	33.5

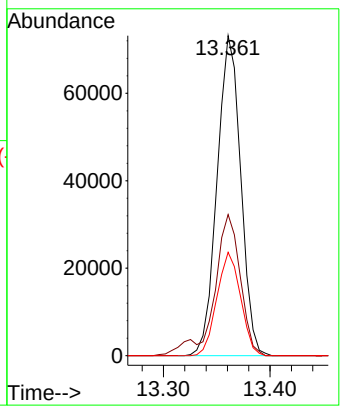




#47
2-Chloronaphthalene
Concen: 19.971 ng
RT: 13.361 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:162 Resp: 11261

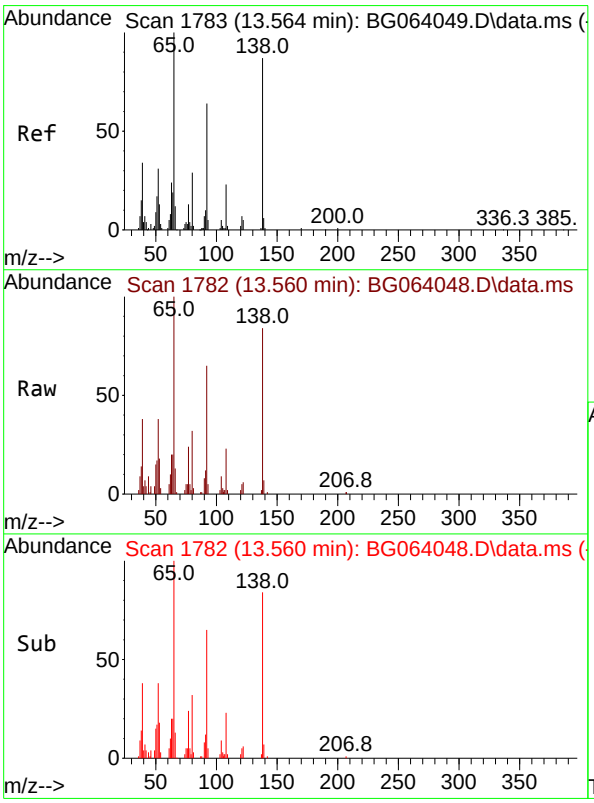
Ion	Ratio	Lower	Upper
162	100		
127	44.1	35.0	52.4
164	32.3	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

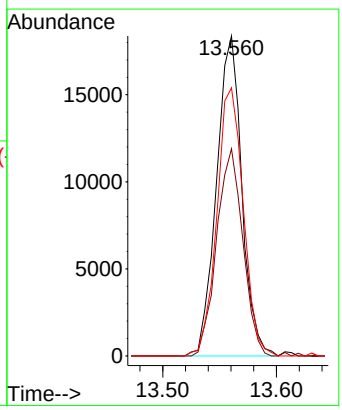
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

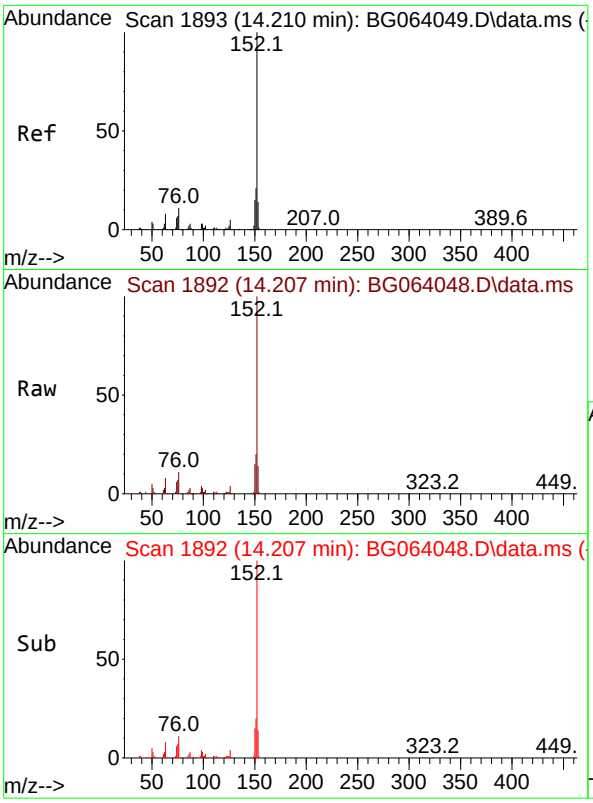


#48
2-Nitroaniline
Concen: 18.684 ng
RT: 13.560 min Scan# 1782
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 65 Resp: 28373

Ion	Ratio	Lower	Upper
65	100		
92	64.8	51.2	76.8
138	83.8	69.4	104.2

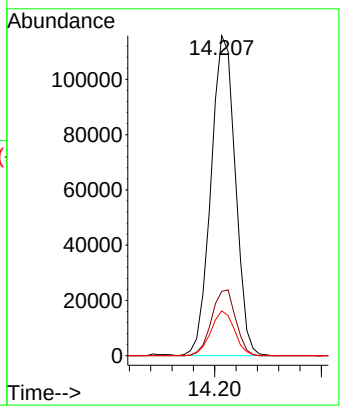




#49
Acenaphthylene
Concen: 20.571 ng
RT: 14.207 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:152 Resp: 18346

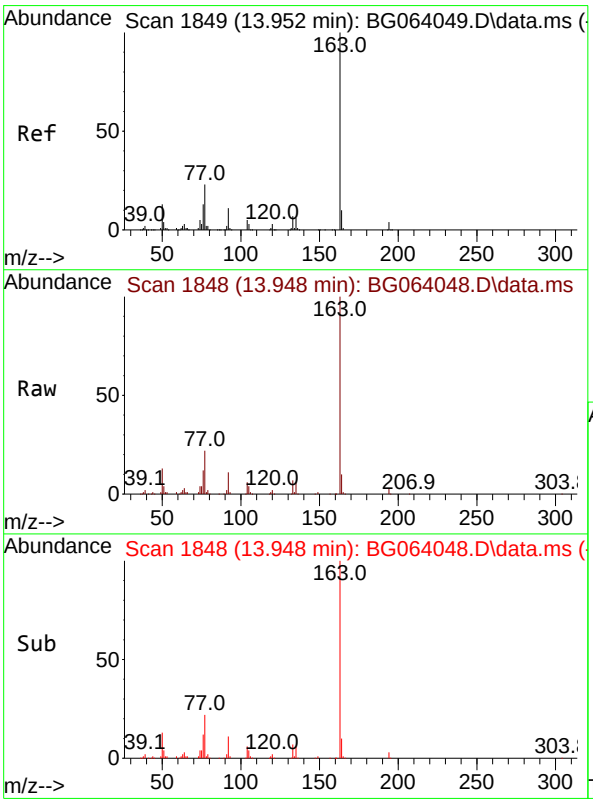
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.4	24.6
153	14.0	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

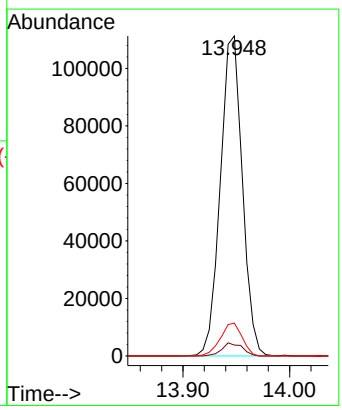
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

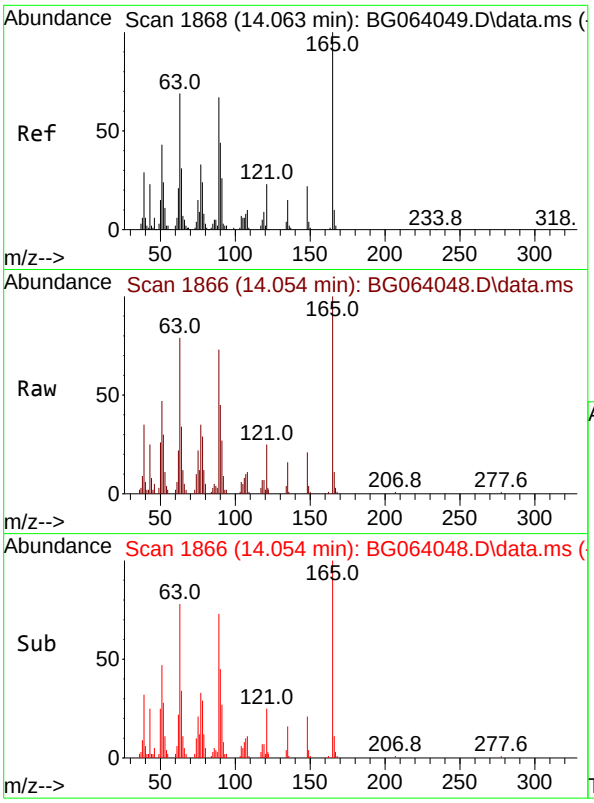


#50
Dimethylphthalate
Concen: 21.114 ng
RT: 13.948 min Scan# 1848
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:163 Resp: 159500

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.3	8.2	12.2

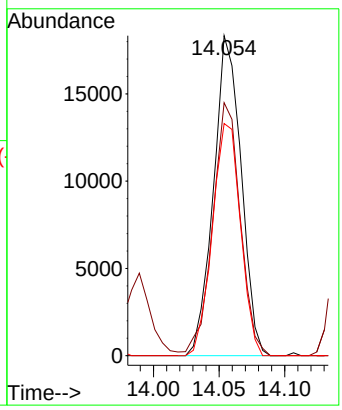




#51
2,6-Dinitrotoluene
Concen: 19.614 ng
RT: 14.054 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:165 Resp: 2678

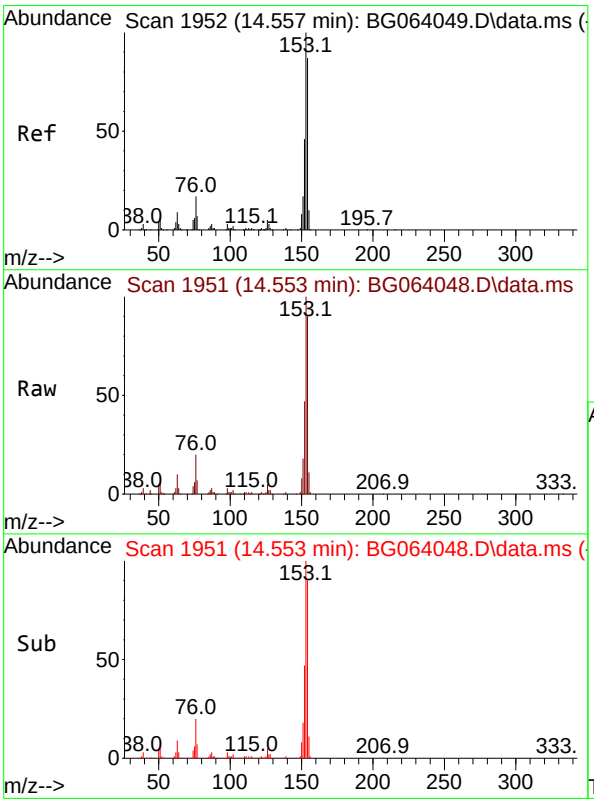
Ion	Ratio	Lower	Upper
165	100		
63	79.1	56.7	85.1
89	72.5	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

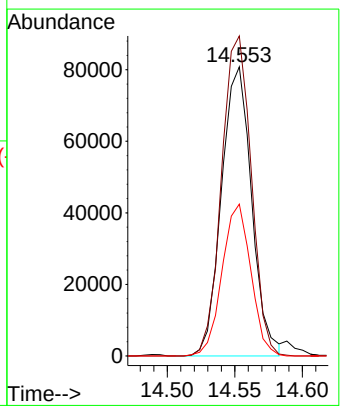
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

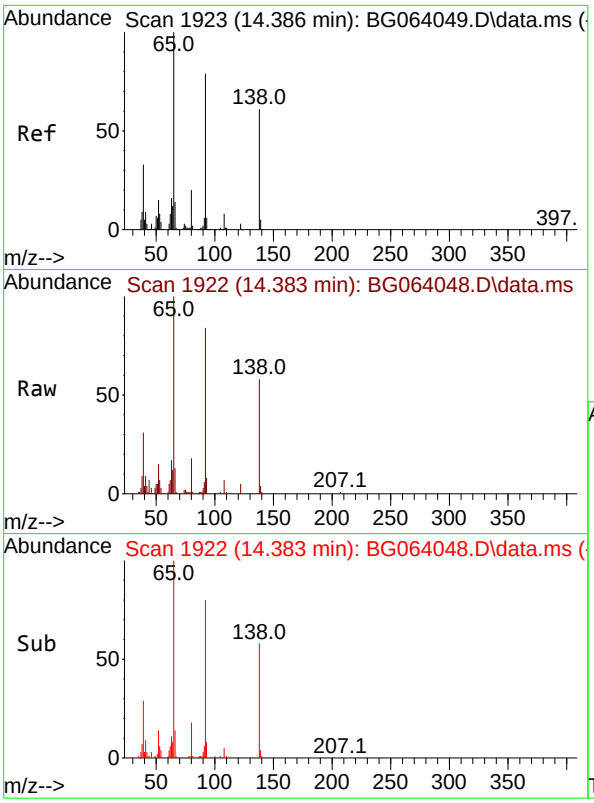


#52
Acenaphthene
Concen: 20.997 ng m
RT: 14.553 min Scan# 1951
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:154 Resp: 125939

Ion	Ratio	Lower	Upper
154	100		
153	110.7	91.6	137.4
152	52.5	42.5	63.7





#53
3-Nitroaniline
Concen: 20.902 ng
RT: 14.383 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

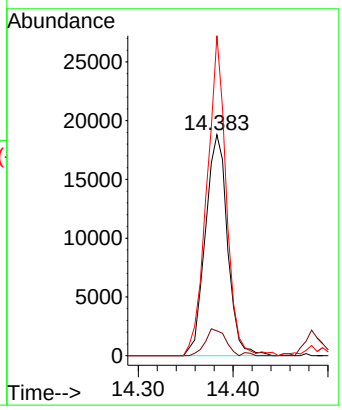
Tgt Ion:138 Resp: 3051

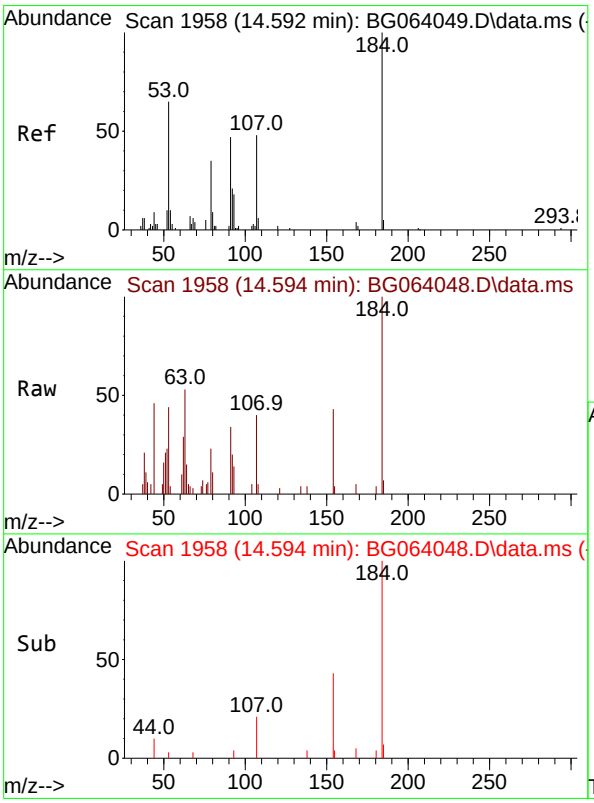
Ion	Ratio	Lower	Upper
138	100		
108	11.2	10.1	15.1
92	144.8	104.1	156.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

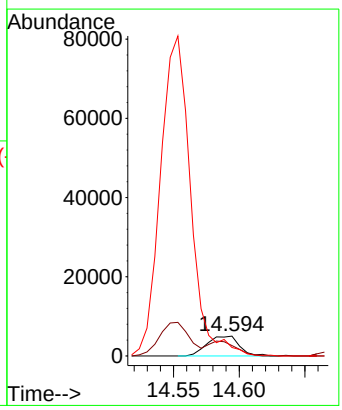


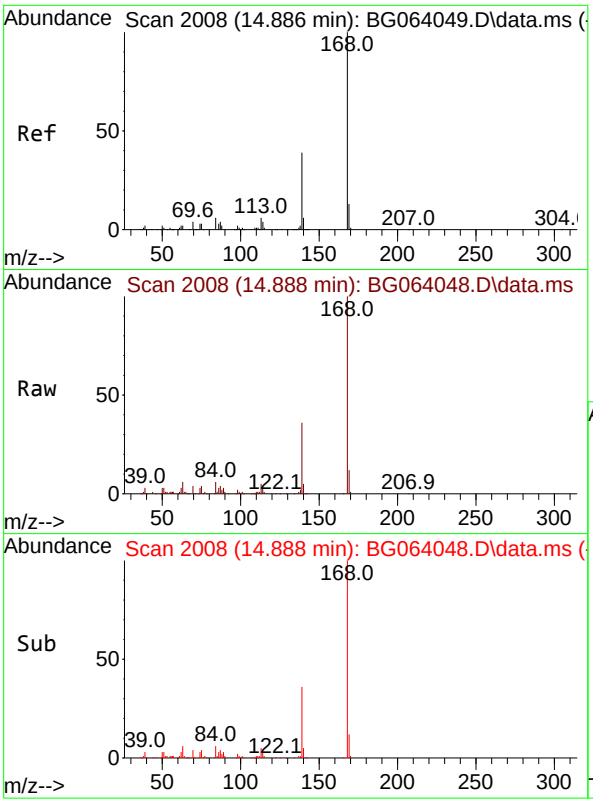


#54
2,4-Dinitrophenol
Concen: 19.958 ng
RT: 14.594 min Scan# 1958
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:184 Resp: 8560

Ion	Ratio	Lower	Upper
184	100		
63	52.7	57.5	86.3#
154	42.8	52.3	78.5#

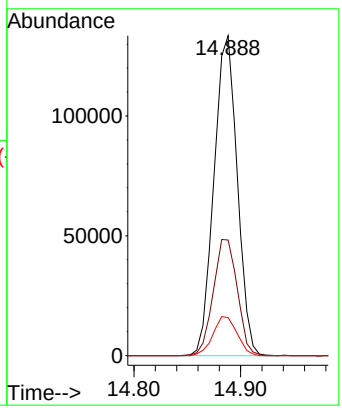




#55
Dibenzofuran
Concen: 20.856 ng
RT: 14.888 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:168 Resp: 20223

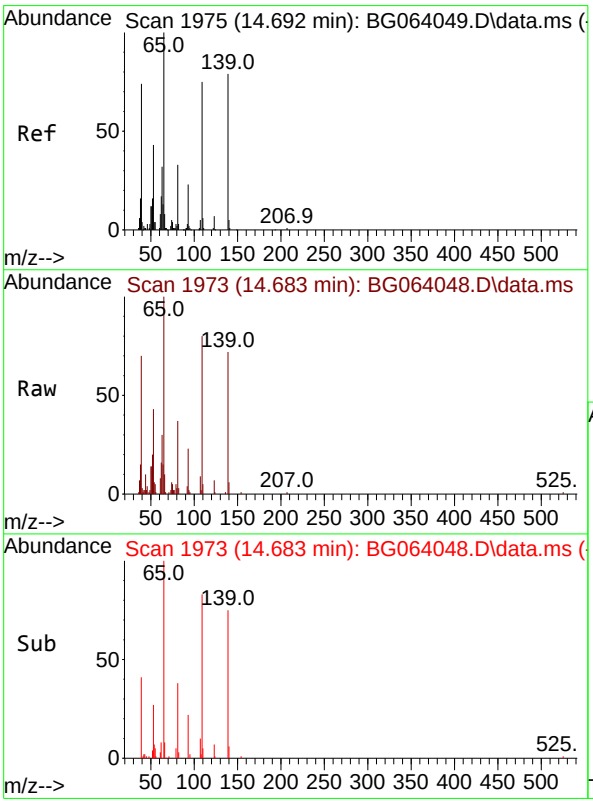
Ion	Ratio	Lower	Upper
168	100		
139	36.2	31.1	46.7
169	11.9	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

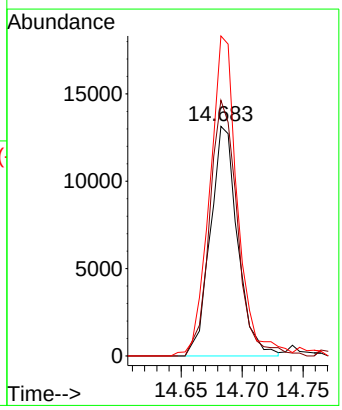
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

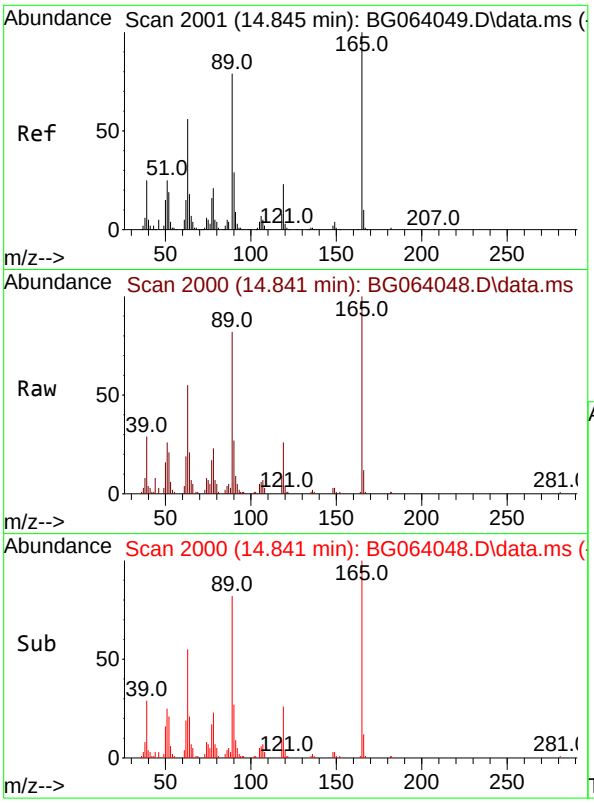


#56
4-Nitrophenol
Concen: 16.681 ng
RT: 14.683 min Scan# 1973
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:139 Resp: 20425

Ion	Ratio	Lower	Upper
139	100		
109	111.3	74.9	114.9
65	139.3	106.8	146.8

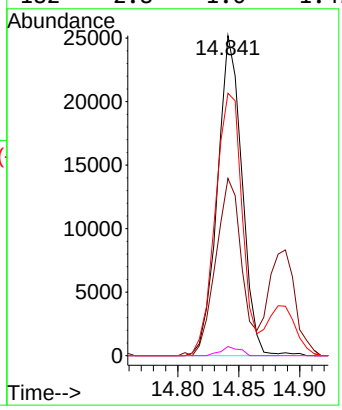




#57
2,4-Dinitrotoluene
Concen: 19.015 ng
RT: 14.841 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:165 Resp: 3517

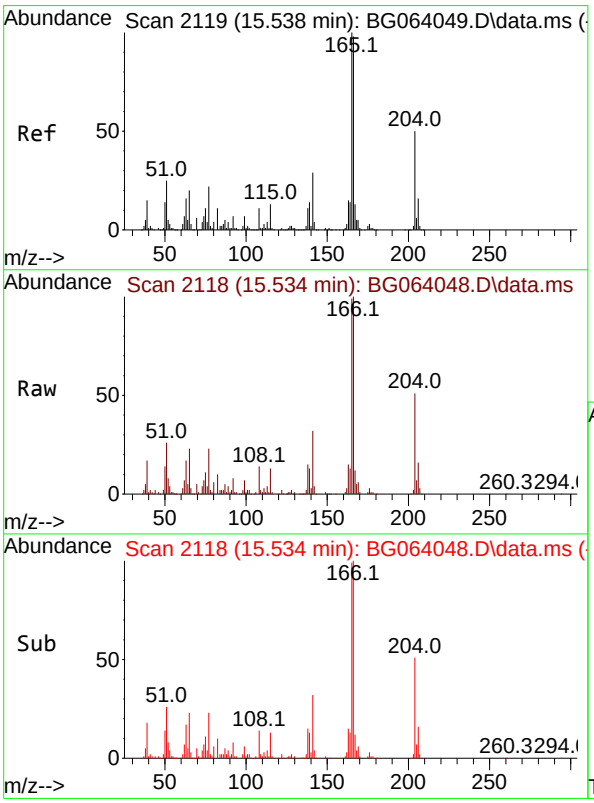
Ion	Ratio	Lower	Upper
165	100		
63	55.4	45.0	67.6
89	82.0	63.1	94.7
182	2.8	1.0	1.4#



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

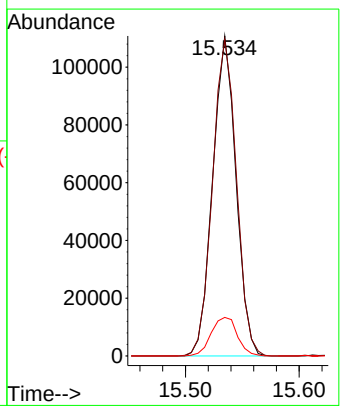
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

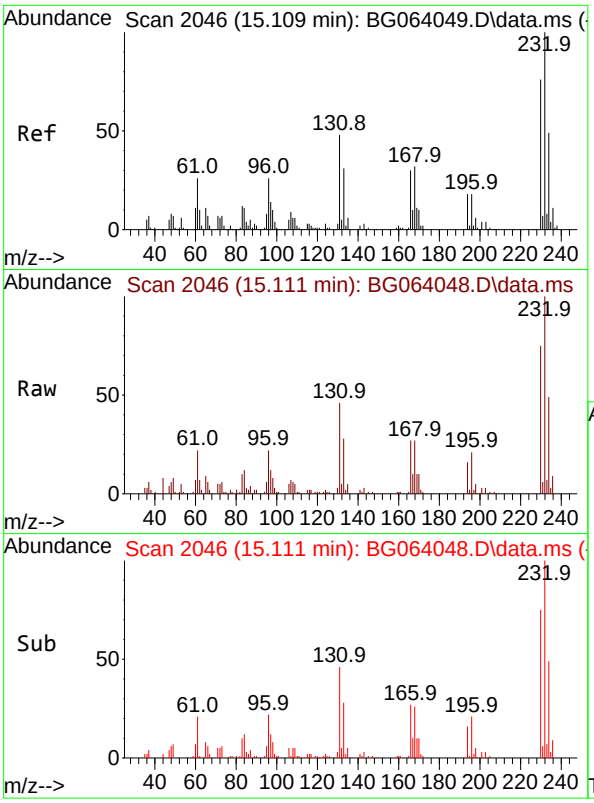


#58
Fluorene
Concen: 20.894 ng
RT: 15.534 min Scan# 2118
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:166 Resp: 157795

Ion	Ratio	Lower	Upper
166	100		
165	99.0	81.8	122.8
167	12.0	10.8	16.2

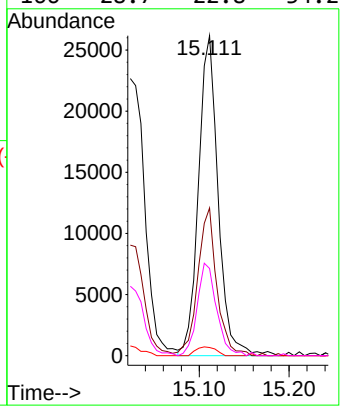




#59
2,3,4,6-Tetrachlorophenol
Concen: 21.310 ng
RT: 15.111 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:232 Resp: 3974

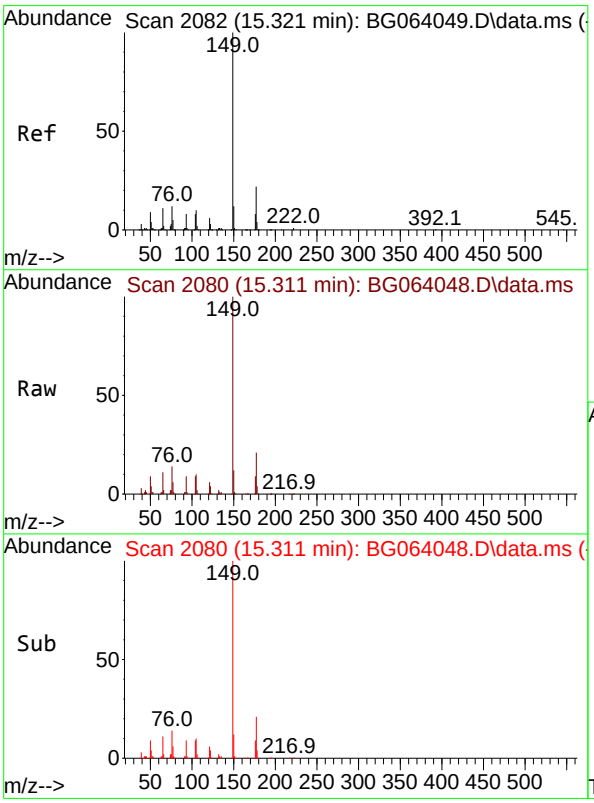
Ion	Ratio	Lower	Upper
232	100		
131	44.8	36.3	54.5
130	2.8	1.9	2.9
166	28.7	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

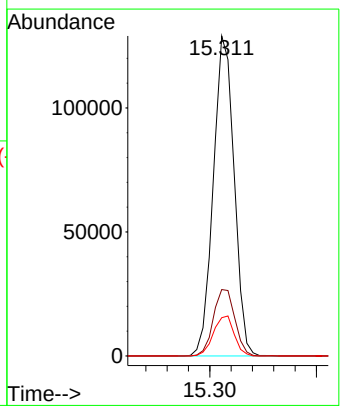
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

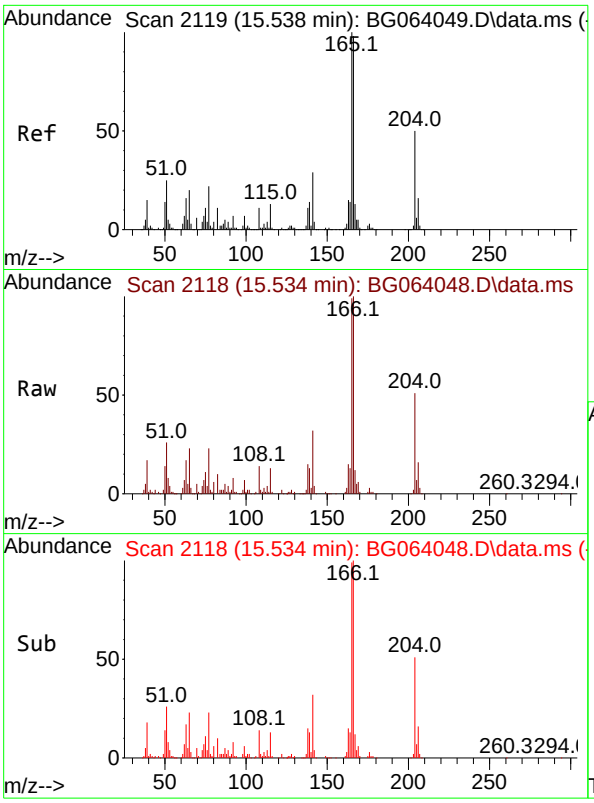


#60
Diethylphthalate
Concen: 21.324 ng
RT: 15.311 min Scan# 2080
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:149 Resp: 174872

Ion	Ratio	Lower	Upper
149	100		
177	20.7	17.4	26.2
150	12.0	9.4	14.2

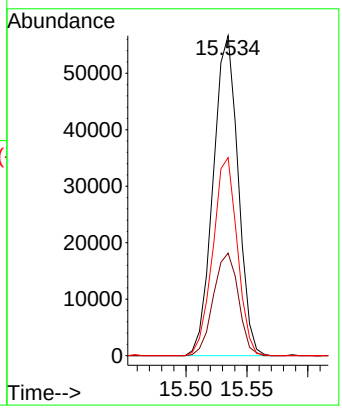




#61
4-Chlorophenyl-phenylether
Concen: 21.477 ng
RT: 15.534 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:204 Resp: 8060

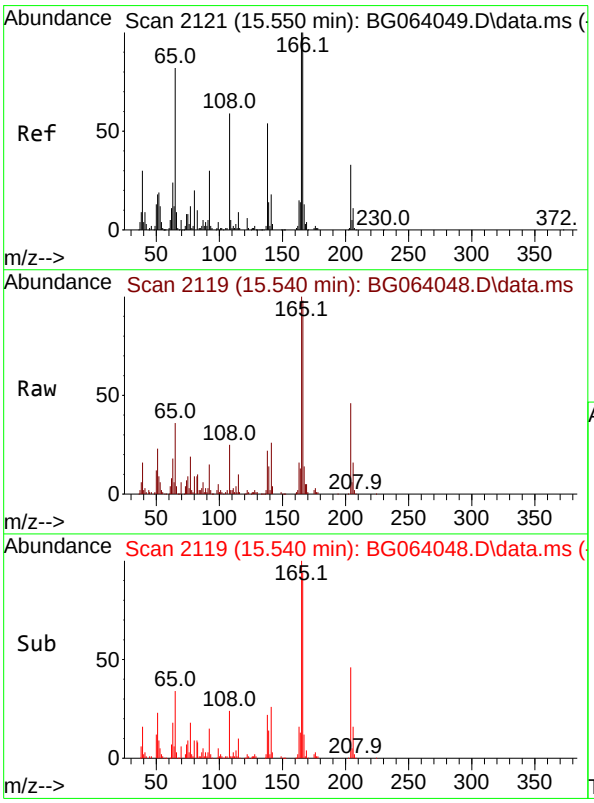
Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.5	38.3
141	61.9	45.4	68.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

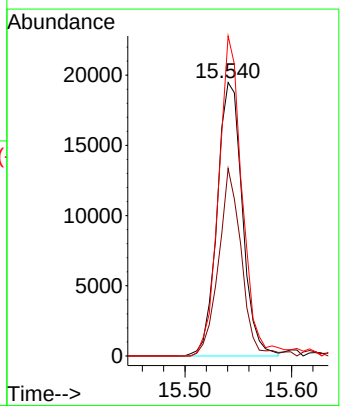
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

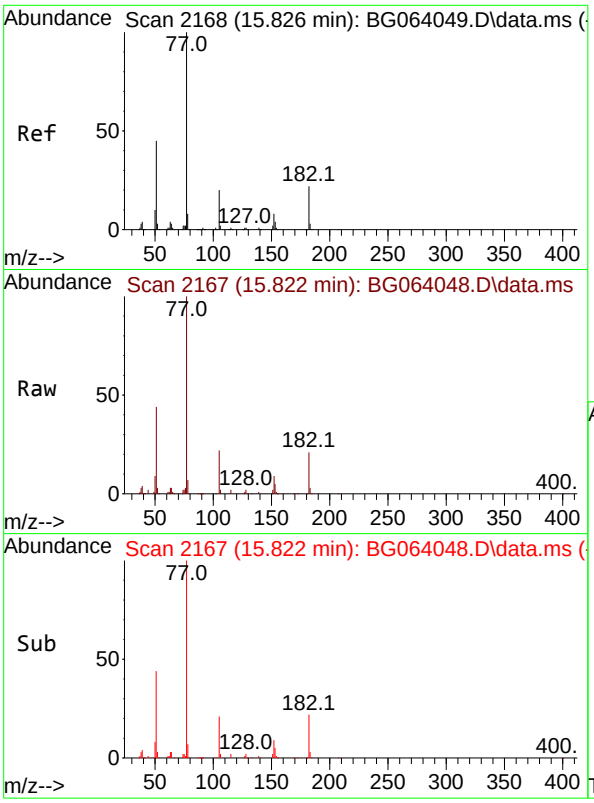


#62
4-Nitroaniline
Concen: 20.301 ng
RT: 15.540 min Scan# 2119
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:138 Resp: 32000

Ion	Ratio	Lower	Upper
138	100		
92	68.6	36.1	76.1
108	117.0	87.9	127.9

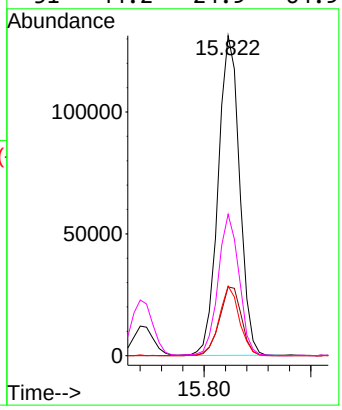




#63
Azobenzene
Concen: 20.868 ng
RT: 15.822 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 77 Resp: 18261

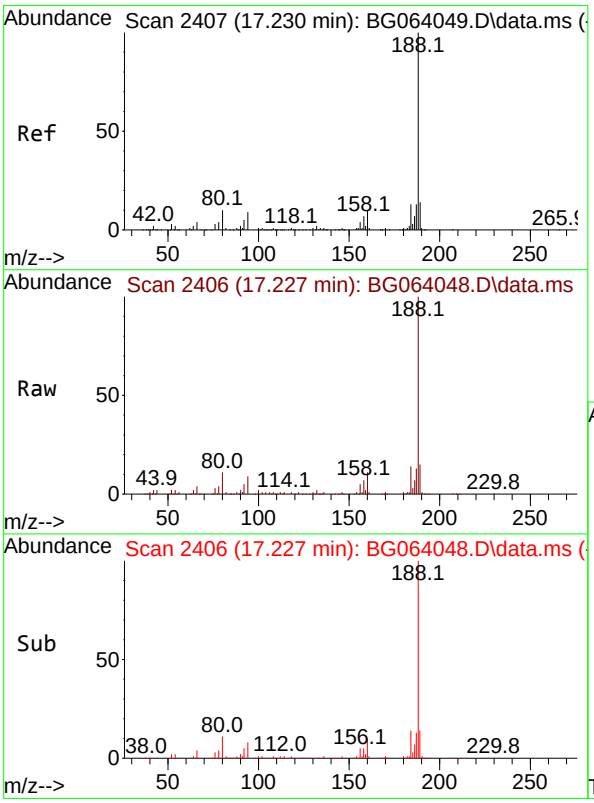
Ion	Ratio	Lower	Upper
77	100		
182	21.5	2.4	42.4
105	21.7	0.0	40.0
51	44.2	24.9	64.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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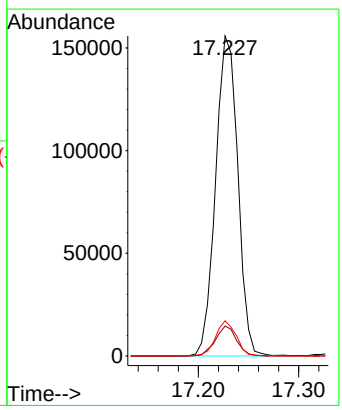
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

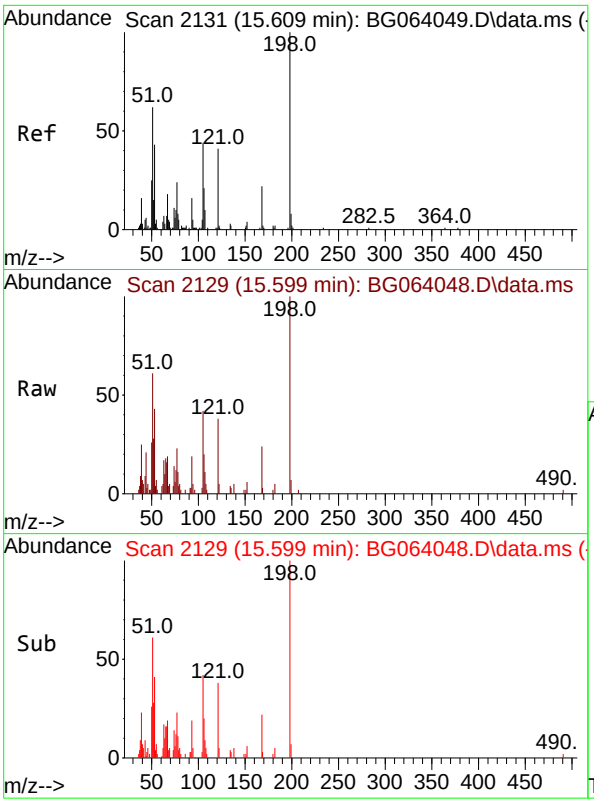


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:188 Resp: 239469

Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.9	10.3
80	11.0	8.1	12.1





#65
4,6-Dinitro-2-methylphenol
Concen: 19.469 ng
RT: 15.599 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

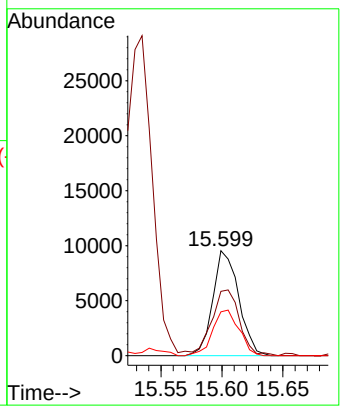
Tgt Ion:198 Resp: 1407

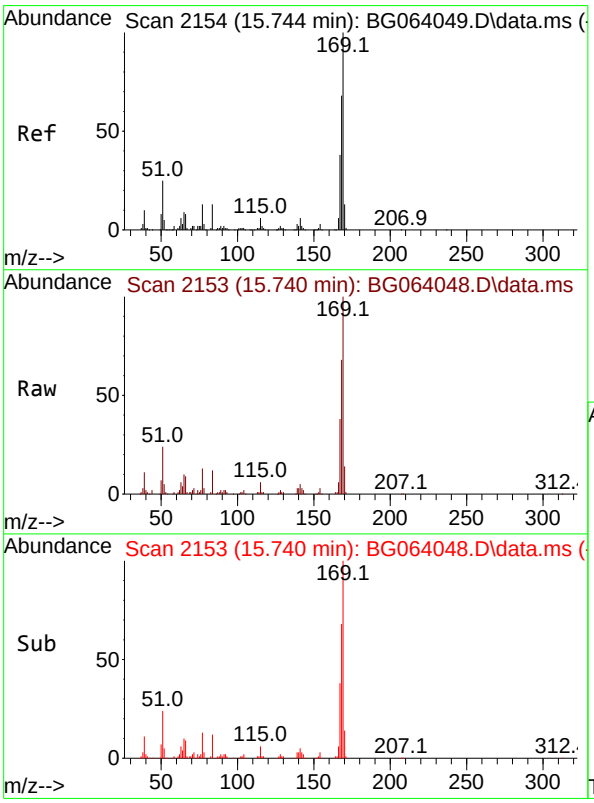
Ion	Ratio	Lower	Upper
198	100		
51	61.3	45.6	85.6
105	41.8	25.3	65.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

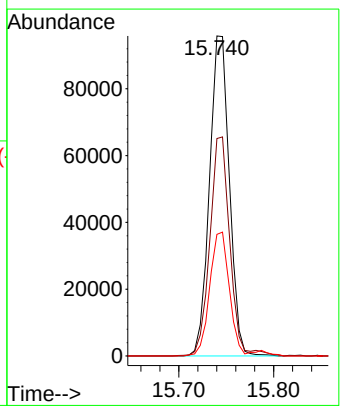


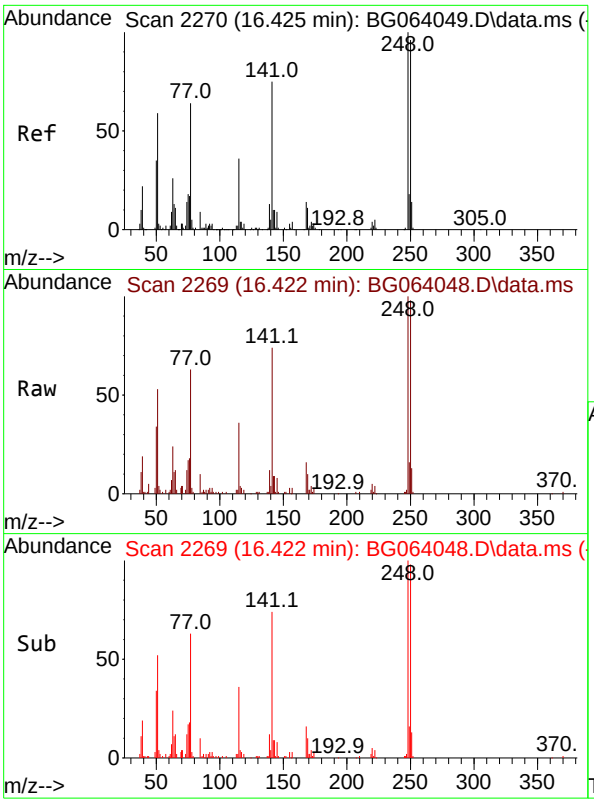


#66
n-Nitrosodiphenylamine
Concen: 20.573 ng
RT: 15.740 min Scan# 2153
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:169 Resp: 139451

Ion	Ratio	Lower	Upper
169	100		
168	68.0	54.1	81.1
167	38.0	30.3	45.5





#67
4-Bromophenyl-phenylether
Concen: 20.740 ng
RT: 16.422 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

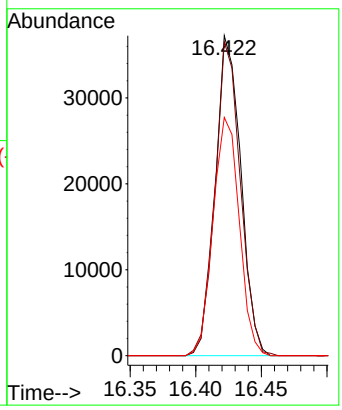
Tgt Ion:248 Resp: 5086

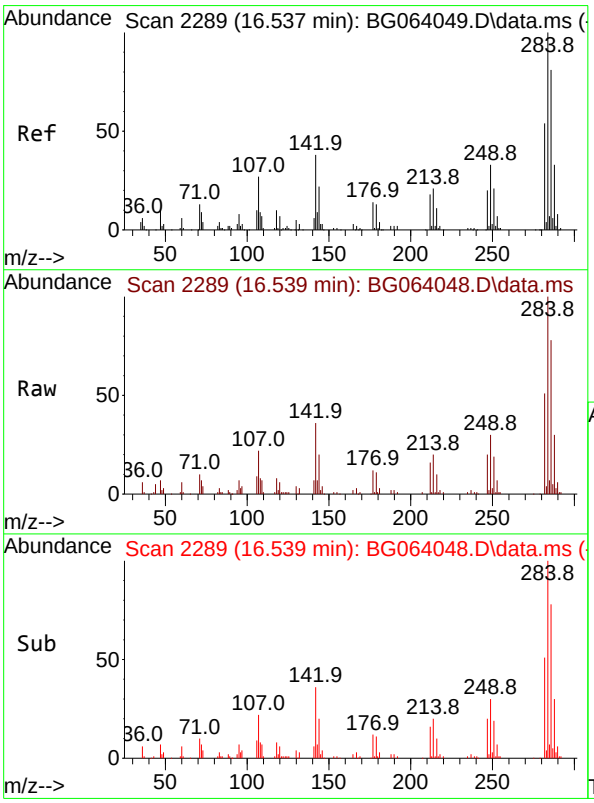
Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.1	115.7
141	74.4	59.8	89.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

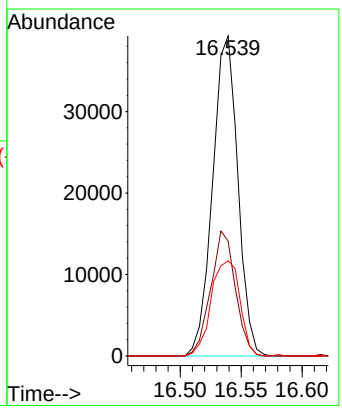


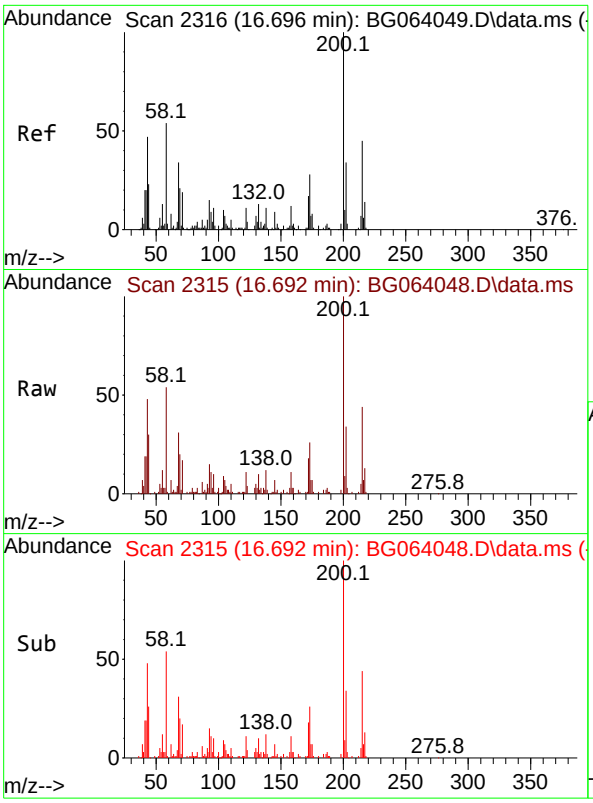


#68
Hexachlorobenzene
Concen: 20.591 ng
RT: 16.539 min Scan# 2289
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:284 Resp: 56538

Ion	Ratio	Lower	Upper
284	100		
142	35.9	30.6	45.8
249	29.8	26.6	39.8





#69
Atrazine
Concen: 21.465 ng
RT: 16.692 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

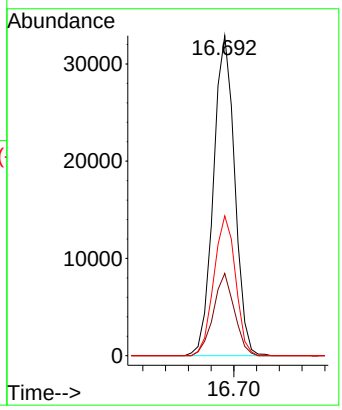
Tgt Ion:200 Resp: 4281

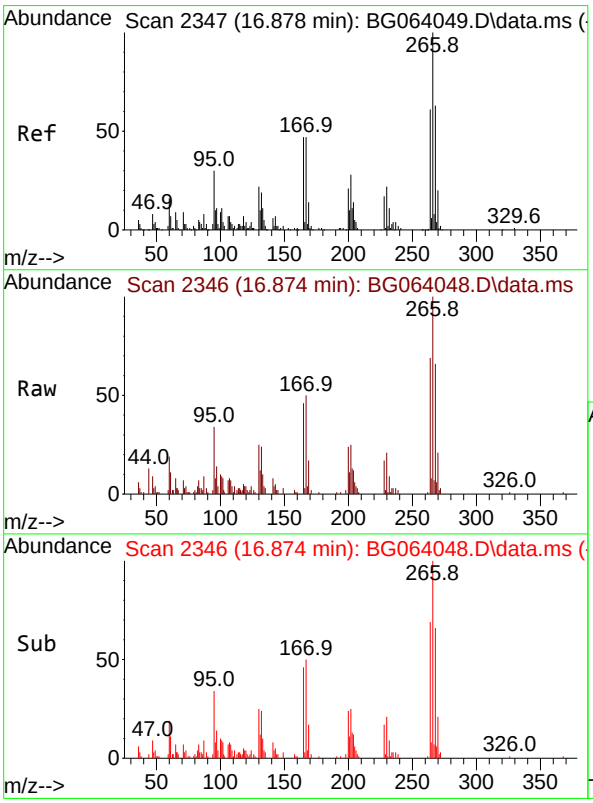
Ion	Ratio	Lower	Upper
200	100		
173	25.7	8.2	48.2
215	43.7	25.5	65.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

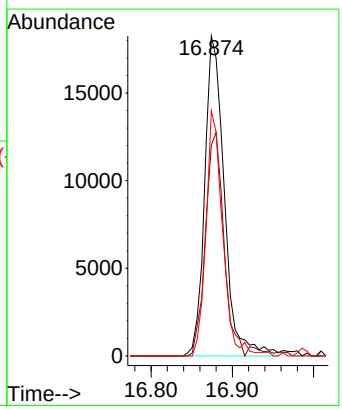


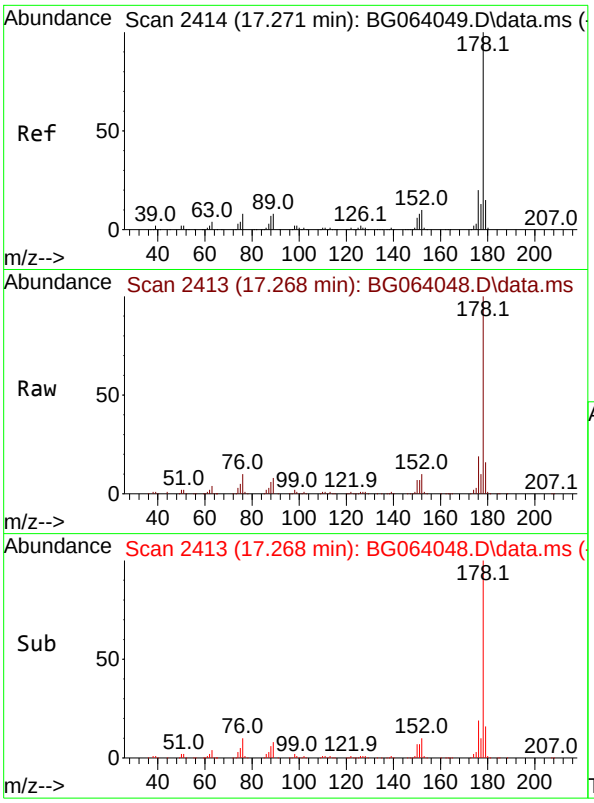


#70
Pentachlorophenol
Concen: 17.926 ng
RT: 16.874 min Scan# 2346
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:266 Resp: 30561

Ion	Ratio	Lower	Upper
266	100		
268	65.9	50.2	75.4
264	76.6	48.9	73.3#

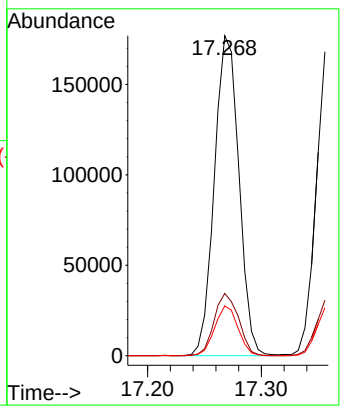




#71
Phenanthrene
Concen: 20.813 ng
RT: 17.268 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:178 Resp: 26584

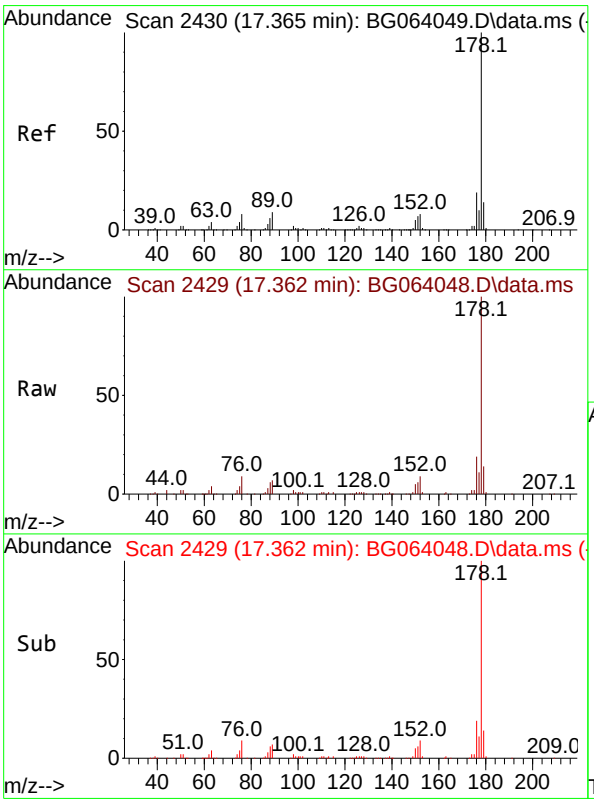
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	15.6	12.2	18.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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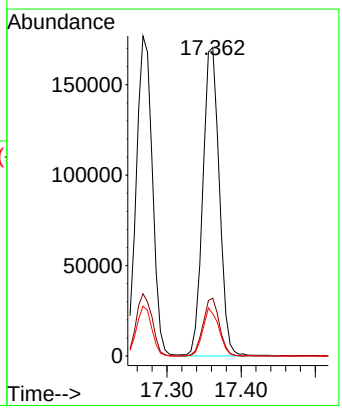
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

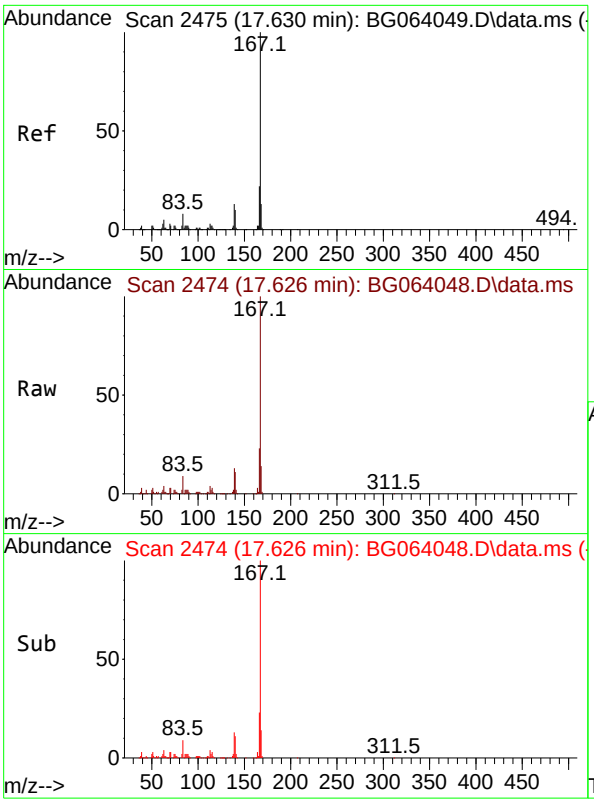


#72
Anthracene
Concen: 20.814 ng
RT: 17.362 min Scan# 2429
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:178 Resp: 264350

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	13.7	11.5	17.3

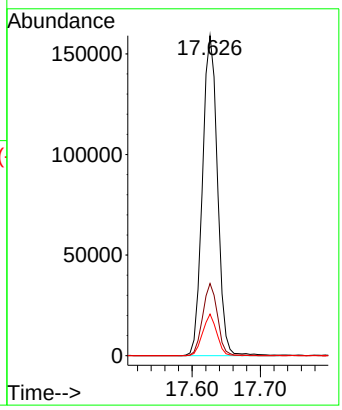




#73
Carbazole
Concen: 20.591 ng
RT: 17.626 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:167 Resp: 24416

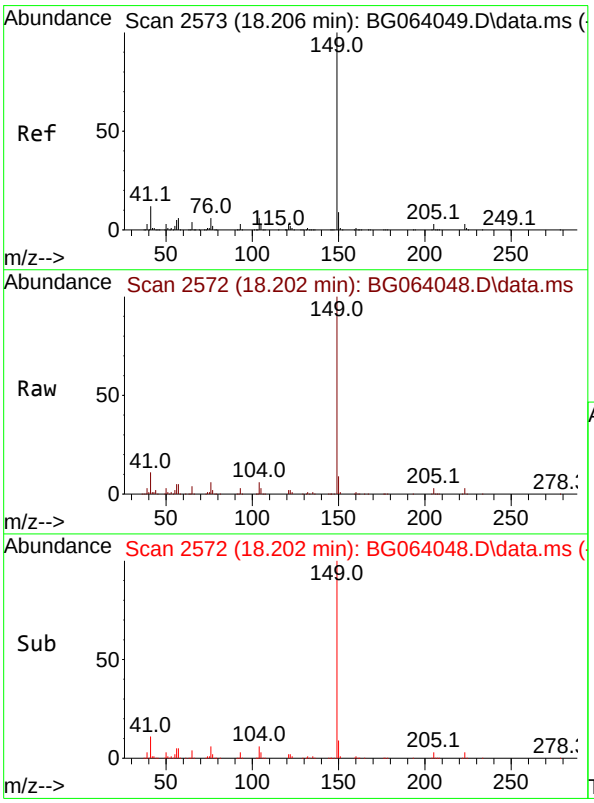
Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.0	27.0
139	13.0	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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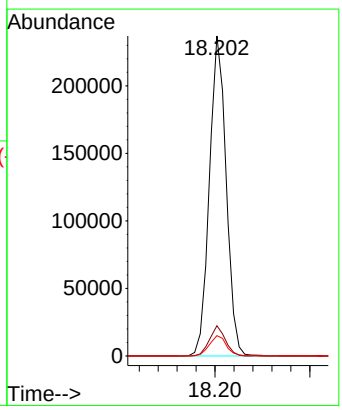
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

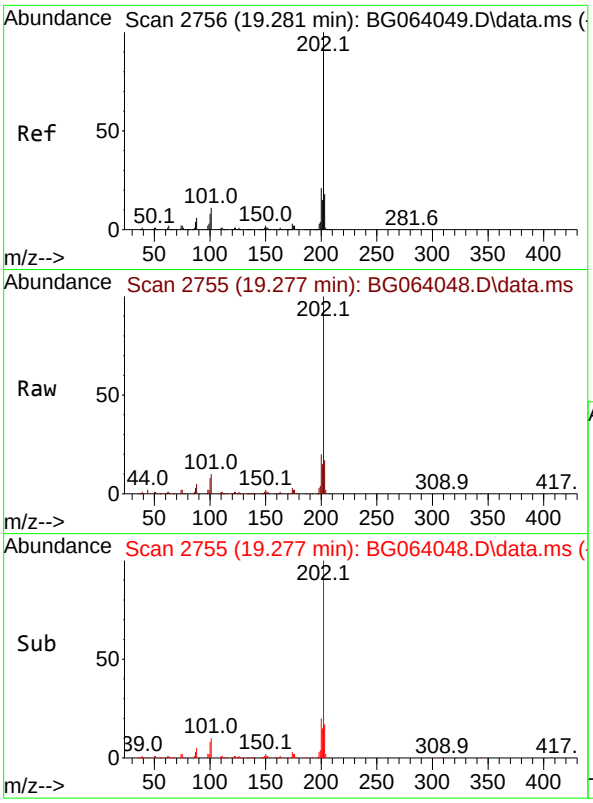


#74
Di-n-butylphthalate
Concen: 20.812 ng
RT: 18.202 min Scan# 2572
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:149 Resp: 290500

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	6.3	5.0	7.6

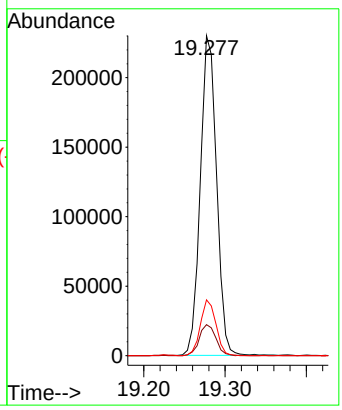




#75
Fluoranthene
Concen: 20.776 ng
RT: 19.277 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:202 Resp: 31991

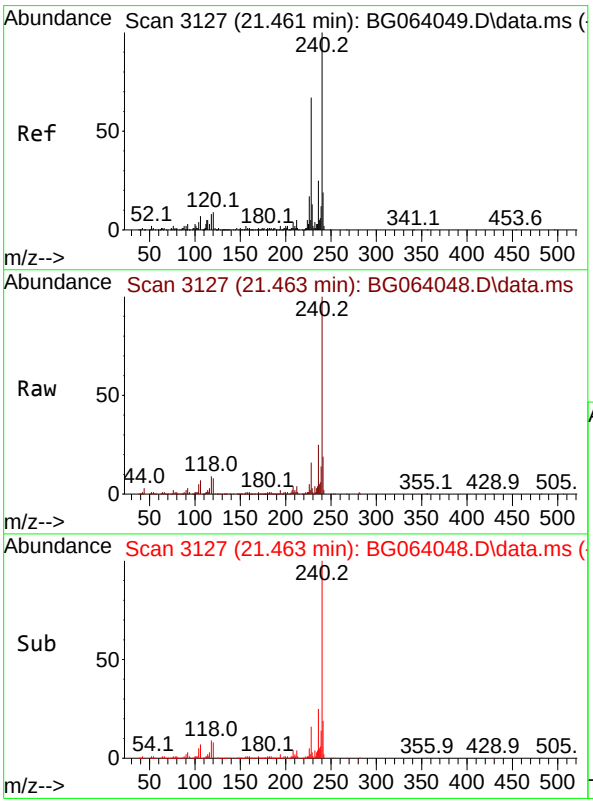
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	30.5
203	17.4	0.0	38.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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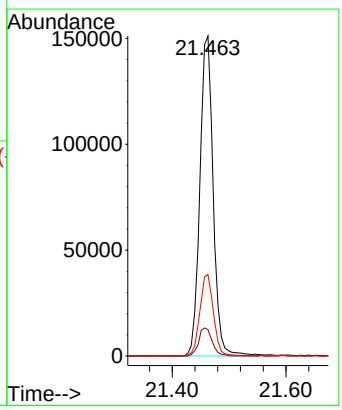
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

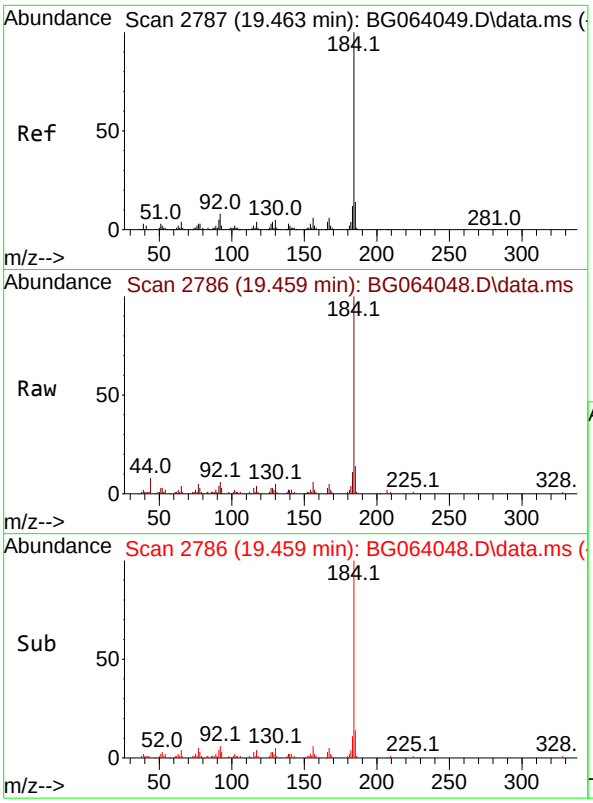


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.463 min Scan# 3127
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:240 Resp: 245725

Ion	Ratio	Lower	Upper
240	100		
120	8.3	7.2	10.8
236	25.4	20.2	30.2

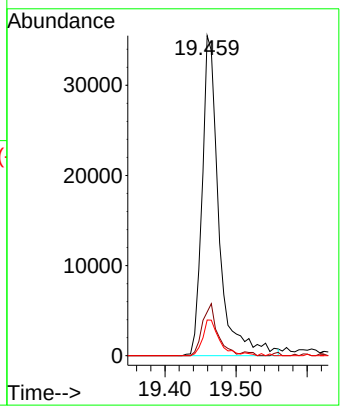




#77
Benzidine
Concen: 16.960 ng
RT: 19.459 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:184 Resp: 5850

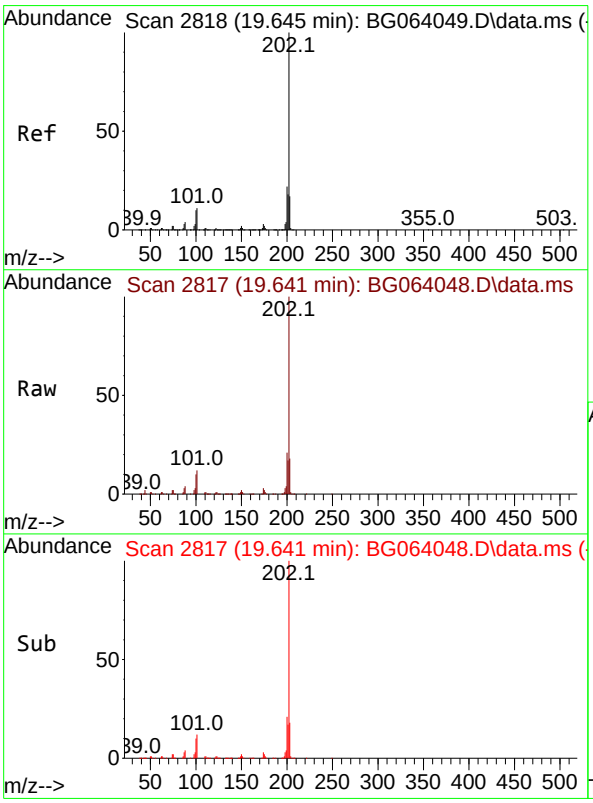
Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.3	16.9
183	11.2	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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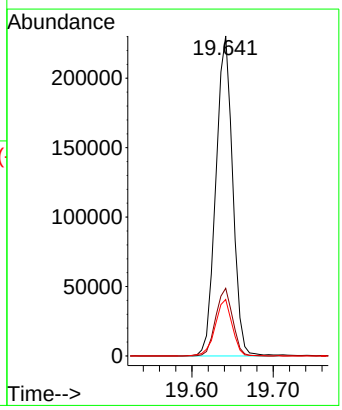
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

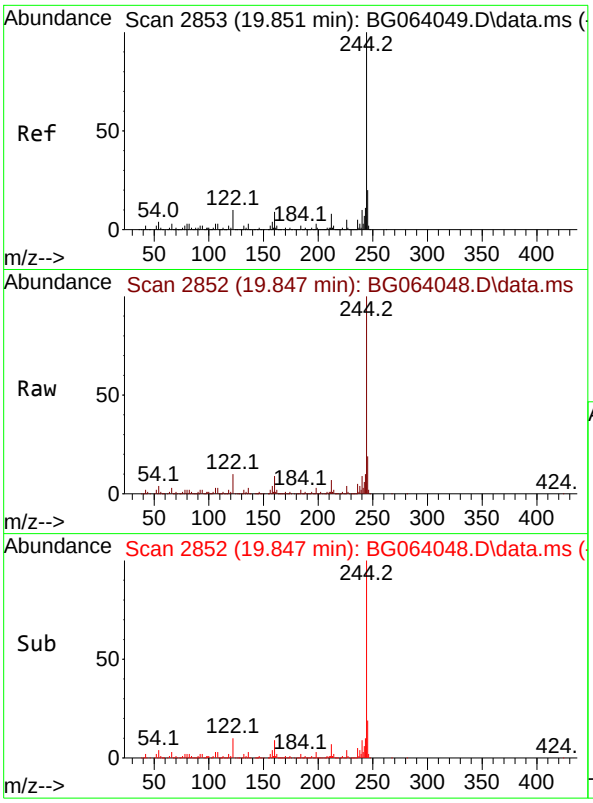


#78
Pyrene
Concen: 20.950 ng
RT: 19.641 min Scan# 2817
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:202 Resp: 331849

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.3	25.9
203	17.7	13.6	20.4

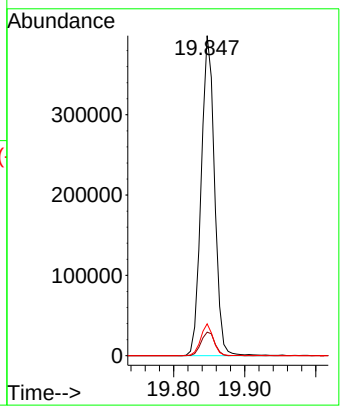




#79
Terphenyl-d14
Concen: 42.936 ng
RT: 19.847 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:244 Resp: 52178

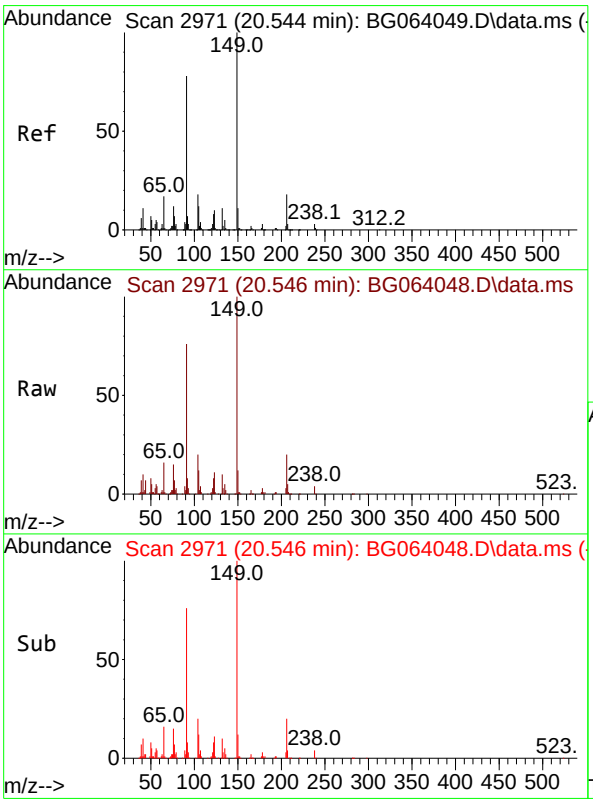
Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.4
122	10.0	8.0	12.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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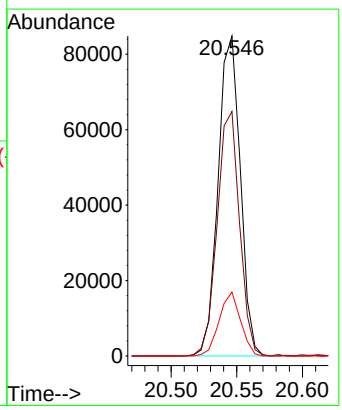
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

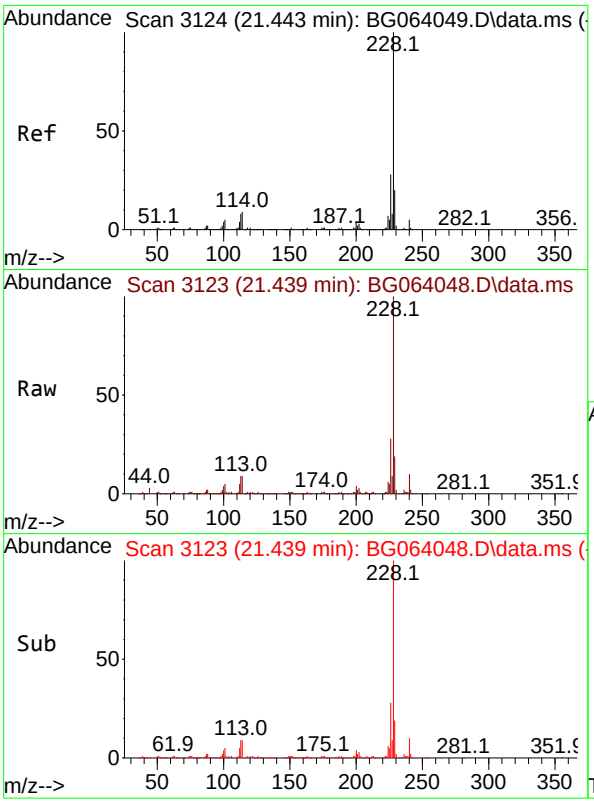


#80
Butylbenzylphthalate
Concen: 19.098 ng
RT: 20.546 min Scan# 2971
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:149 Resp: 99429

Ion	Ratio	Lower	Upper
149	100		
91	76.4	62.0	93.0
206	20.0	14.6	21.8

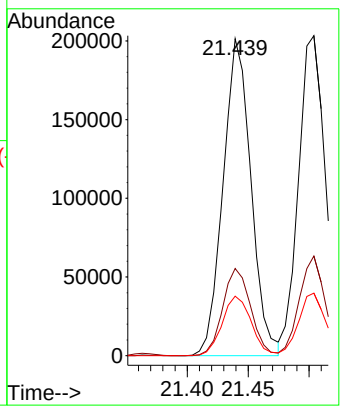




#81
Benzo(a)anthracene
Concen: 20.443 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:228 Resp: 32177

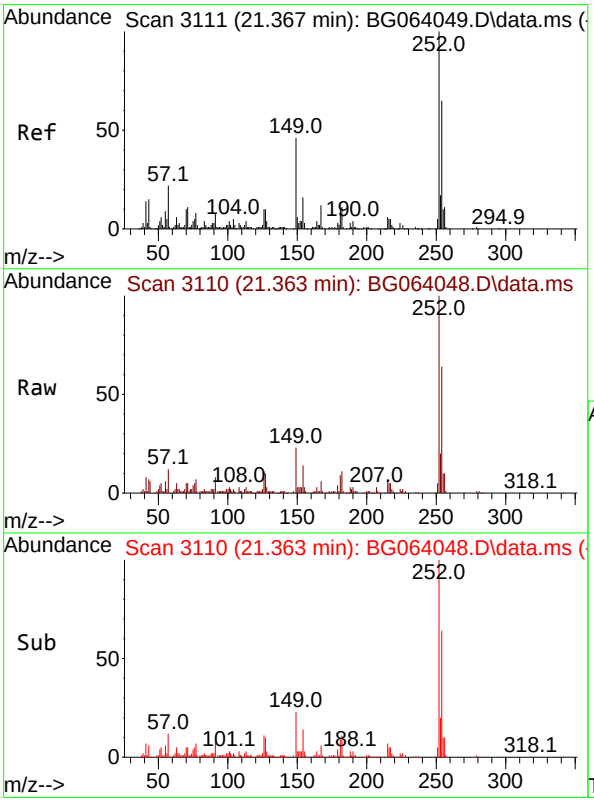
Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.2
229	18.8	16.4	24.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

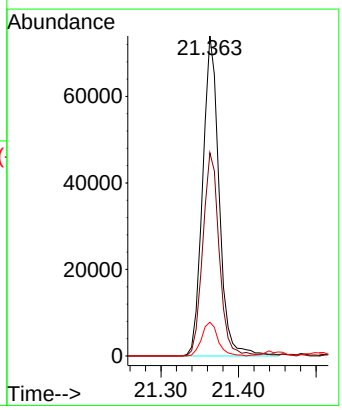
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

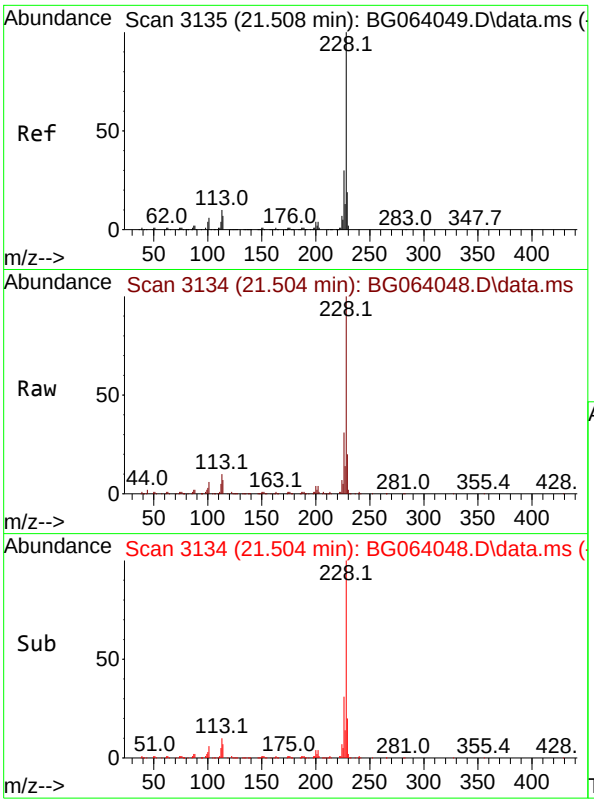


#82
3,3'-Dichlorobenzidine
Concen: 21.421 ng
RT: 21.363 min Scan# 3110
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:252 Resp: 109121

Ion	Ratio	Lower	Upper
252	100		
254	63.5	52.1	78.1
126	10.6	7.8	11.8

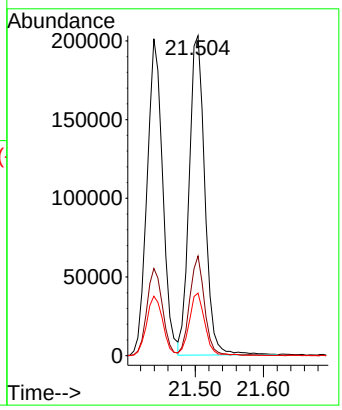




#83
Chrysene
Concen: 20.471 ng
RT: 21.504 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:228 Resp: 32137

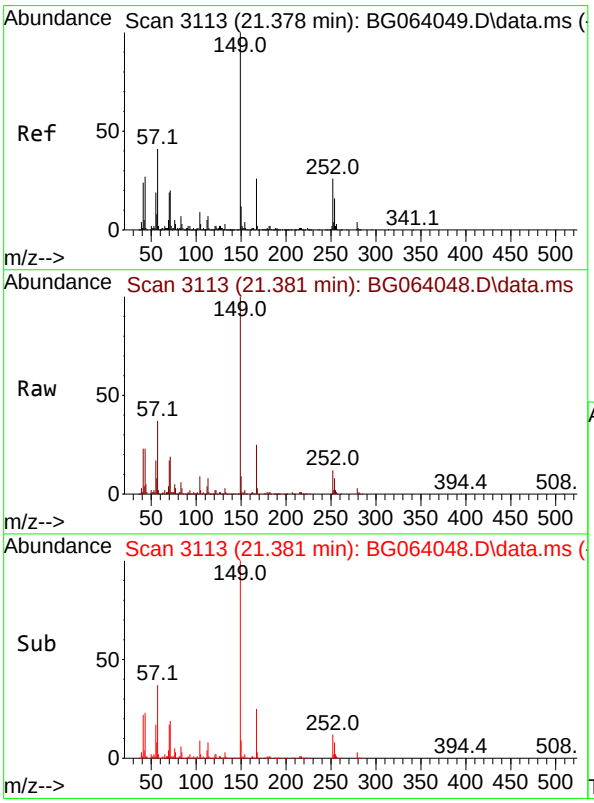
Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.9	35.9
229	19.6	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

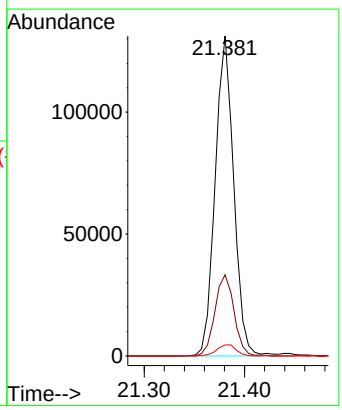
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

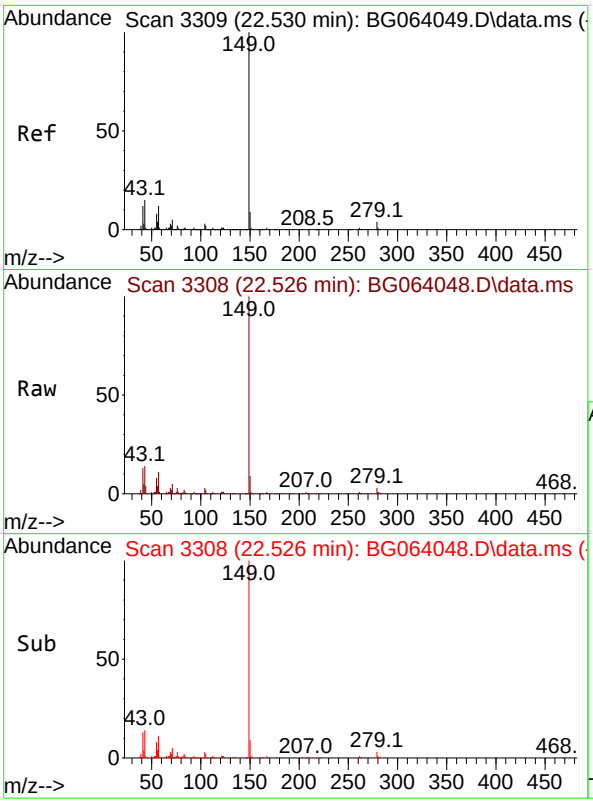


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.769 ng
RT: 21.381 min Scan# 3113
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:149 Resp: 168286

Ion	Ratio	Lower	Upper
149	100		
167	25.3	21.0	31.6
279	3.5	2.8	4.2

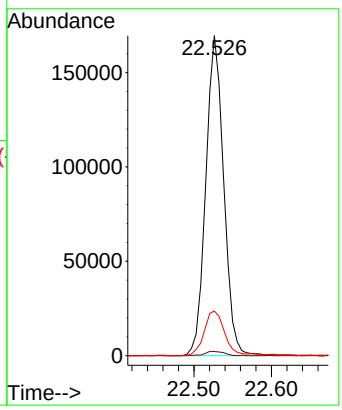




#85
Di-n-octyl phthalate
Concen: 18.542 ng
RT: 22.526 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:149 Resp: 27225

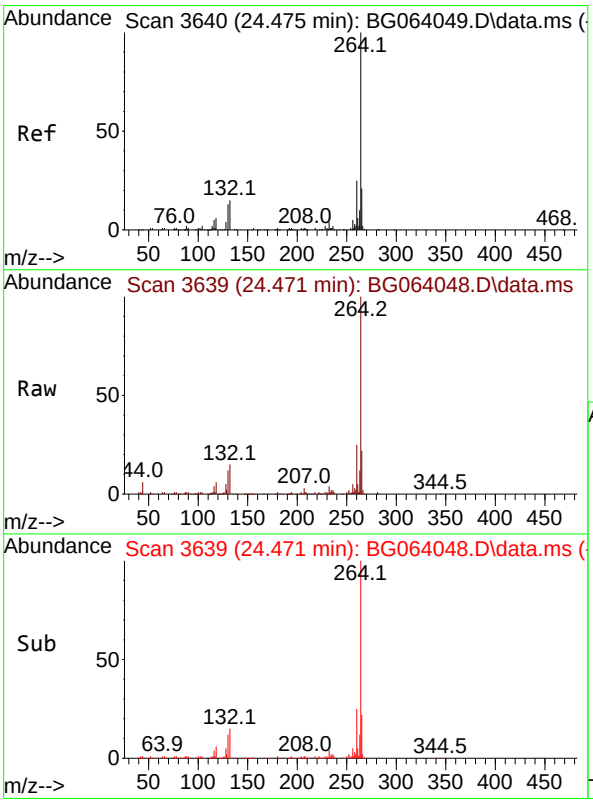
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	16.1	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

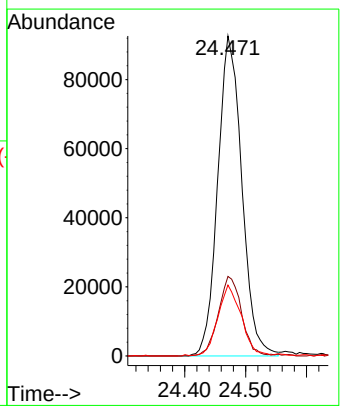
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

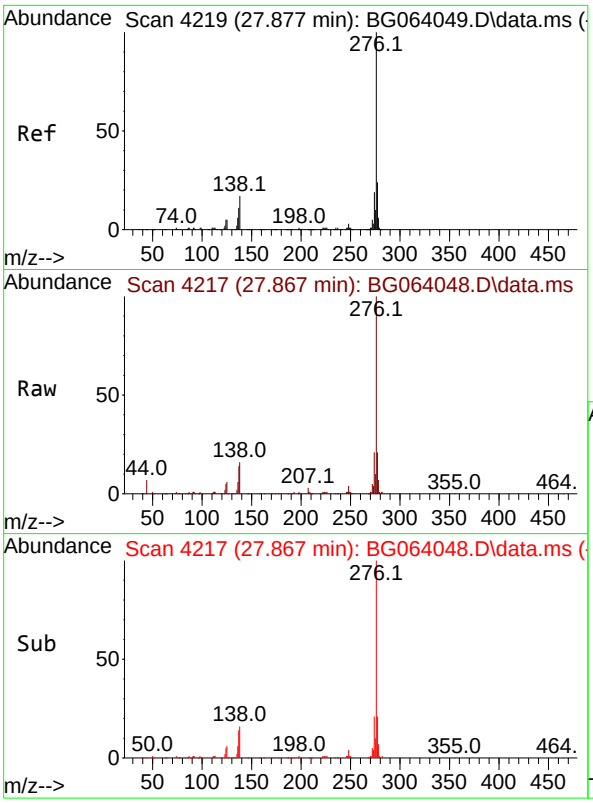


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.471 min Scan# 3639
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:264 Resp: 254102

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	22.1	16.6	25.0

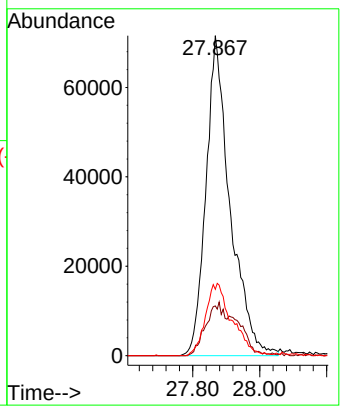




#87
Indeno(1,2,3-cd)pyrene
Concen: 21.044 ng
RT: 27.867 min Scan# 4
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:276 Resp: 35777

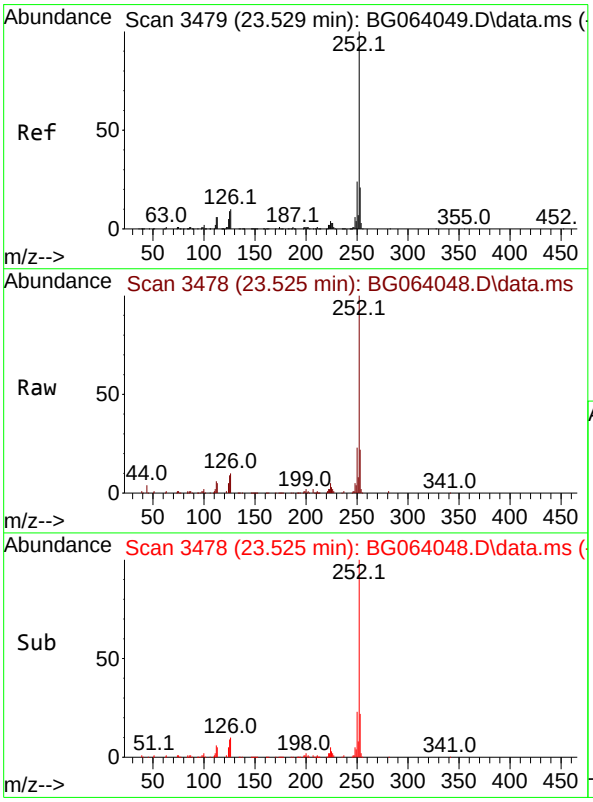
Ion	Ratio	Lower	Upper
276	100		
138	13.1	12.1	18.1
277	24.8	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

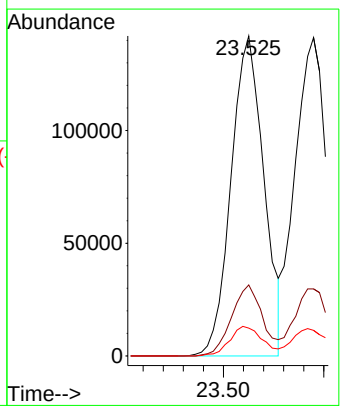
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

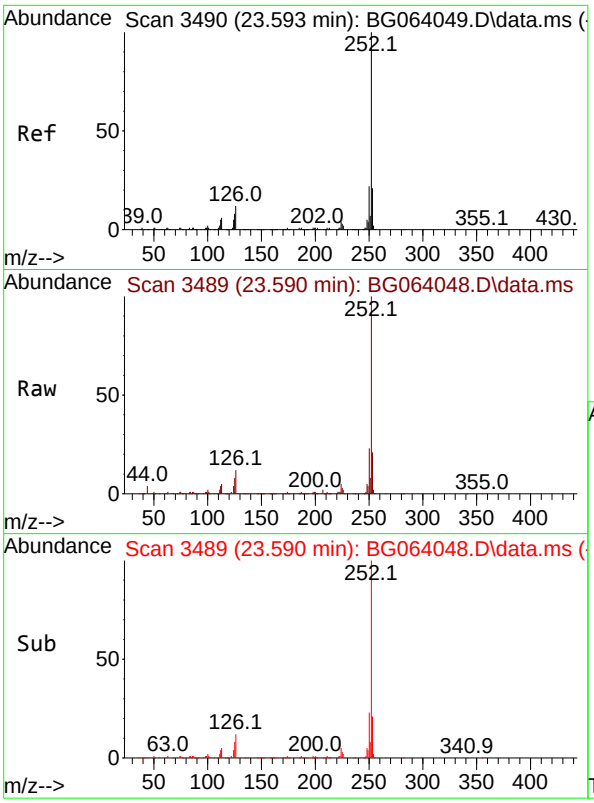


#88
Benzo(b)fluoranthene
Concen: 20.998 ng
RT: 23.525 min Scan# 3478
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:252 Resp: 322554

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.4
125	8.7	7.4	11.2

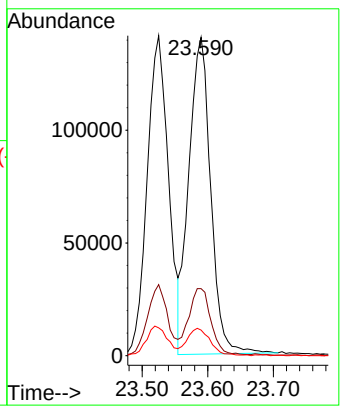




#89
Benzo(k)fluoranthene
Concen: 21.124 ng
RT: 23.590 min Scan# 34
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:252 Resp: 32553

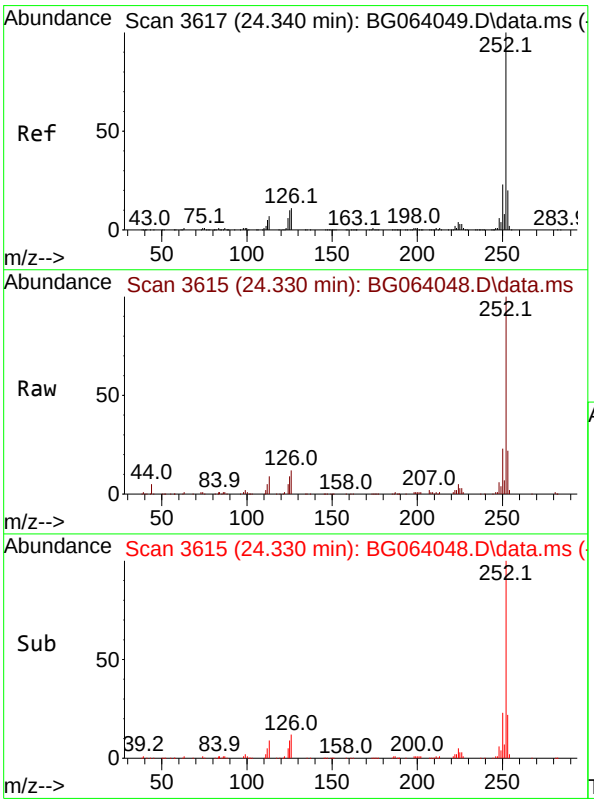
Ion	Ratio	Lower	Upper
252	100		
253	21.1	16.8	25.2
125	8.0	6.9	10.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

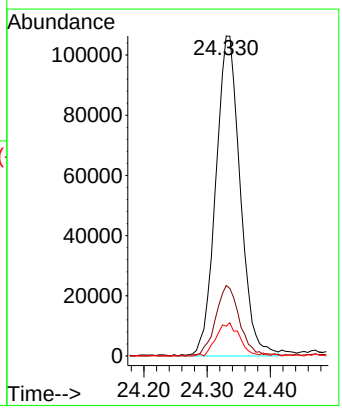
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

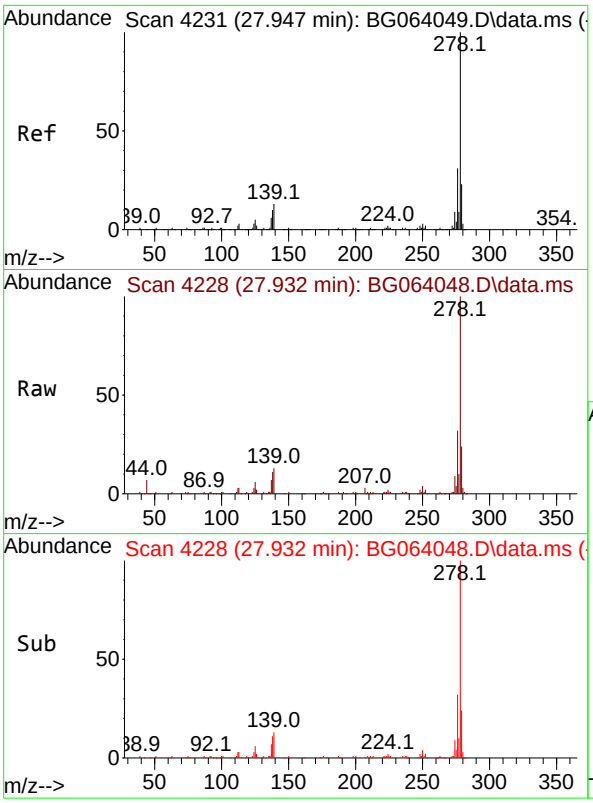


#90
Benzo(a)pyrene
Concen: 20.878 ng
RT: 24.330 min Scan# 3615
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:252 Resp: 285622

Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.2	24.2
125	9.3	7.8	11.6

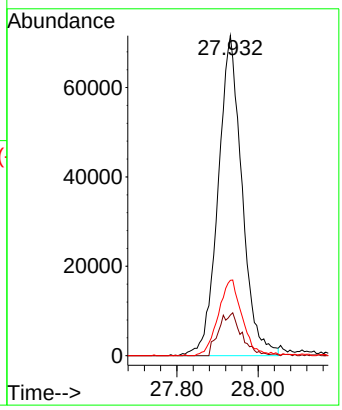




#91
Dibenzo(a,h)anthracene
Concen: 20.756 ng
RT: 27.932 min Scan# 4
Delta R.T. -0.015 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:278 Resp: 29255

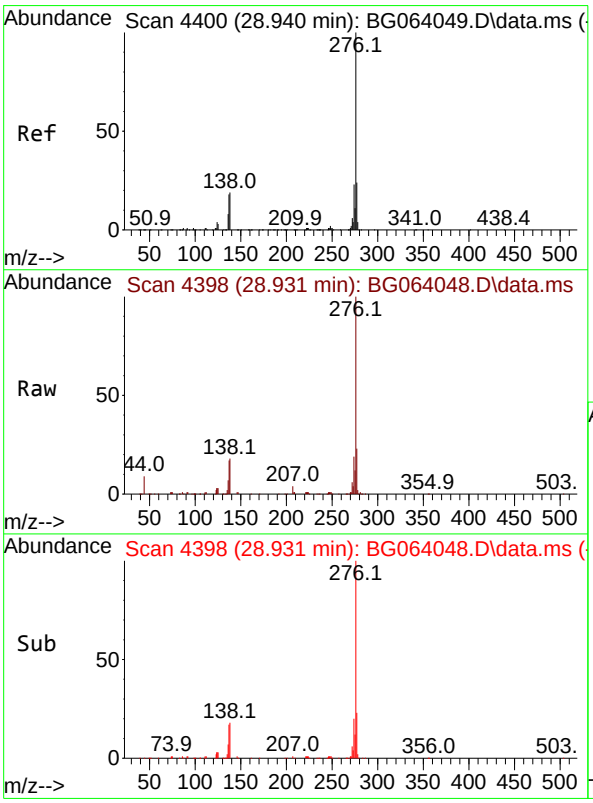
Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.2	15.2
279	23.6	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

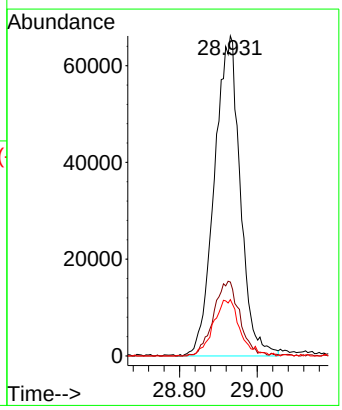
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025



#92
Benzo(g,h,i)perylene
Concen: 21.219 ng
RT: 28.931 min Scan# 4398
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:276 Resp: 307072

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.5	29.3
138	17.6	15.4	23.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064049.D
Acq On : 5 Mar 2025 11:43
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 05 15:23:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	36119	20.000	ng	0.00
21) Naphthalene-d8	10.656	136	166592	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	113406	20.000	ng	0.00
64) Phenanthrene-d10	17.230	188	259291	20.000	ng	0.00
76) Chrysene-d12	21.461	240	272676	20.000	ng	0.00
86) Perylene-d12	24.475	264	289801	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.450	112	195059	84.325	ng	0.00
7) Phenol-d6	7.030	99	267026	84.856	ng	0.00
23) Nitrobenzene-d5	9.016	82	256618	85.125	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	109187	86.616	ng	0.00
45) 2-Fluorobiphenyl	13.117	172	620339	83.029	ng	0.00
79) Terphenyl-d14	19.851	244	1089644	80.801	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.376	88	42253	40.305	ng	100
3) Pyridine	3.764	79	113639	44.572	ng	100
4) n-Nitrosodimethylamine	3.681	42	76876	42.203	ng	100
6) Aniline	7.195	93	131468	42.576	ng	100
8) 2-Chlorophenol	7.430	128	104423	42.032	ng	100
9) Benzaldehyde	7.007	77	72458	39.392	ng	100
10) Phenol	7.054	94	135869	42.171	ng	100
11) bis(2-Chloroethyl)ether	7.295	93	102203	40.462	ng	100
12) 1,3-Dichlorobenzene	7.759	146	111677	40.935	ng	100
13) 1,4-Dichlorobenzene	7.900	146	114970	41.114	ng	100
14) 1,2-Dichlorobenzene	8.217	146	109760	40.705	ng	100
15) Benzyl Alcohol	8.100	79	103751	42.666	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.399	45	237053	41.738	ng	100
17) 2-Methylphenol	8.299	107	91630	42.852	ng	100
18) Hexachloroethane	8.946	117	41682	42.603	ng	100
19) n-Nitroso-di-n-propyla...	8.670	70	95587	43.283	ng	100
20) 3+4-Methylphenols	8.629	107	123273	41.875	ng	100
22) Acetophenone	8.681	105	187490	41.048	ng	100
24) Nitrobenzene	9.057	77	132396	42.497	ng	100
25) Isophorone	9.580	82	248096	41.117	ng	100
26) 2-Nitrophenol	9.768	139	40684	39.553	ng	100
27) 2,4-Dimethylphenol	9.827	122	76114	42.079	ng	100
28) bis(2-Chloroethoxy)met...	10.068	93	147757	40.391	ng	100
29) 2,4-Dichlorophenol	10.297	162	95738	41.916	ng	100
30) 1,2,4-Trichlorobenzene	10.515	180	110636	40.125	ng	100
31) Naphthalene	10.703	128	359362	40.004	ng	100
32) Benzoic acid	9.974	122	57392m	37.004	ng	
33) 4-Chloroaniline	10.808	127	138722	42.251	ng	100
34) Hexachlorobutadiene	10.996	225	72822	40.294	ng	100
35) Caprolactam	11.578	113	36736	41.970	ng	100
36) 4-Chloro-3-methylphenol	11.931	107	124422	41.558	ng	100
37) 2-Methylnaphthalene	12.312	142	254296	40.099	ng	100
38) 1-Methylnaphthalene	12.530	142	250971	40.394	ng	100
40) 1,2,4,5-Tetrachloroben...	12.683	216	132854	41.034	ng	100
41) Hexachlorocyclopentadiene	12.665	237	39606	43.464	ng	100
43) 2,4,6-Trichlorophenol	12.918	196	81144	42.524	ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064049.D
Acq On : 5 Mar 2025 11:43
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 05 15:23:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	92122	43.449	ng	100
46) 1,1'-Biphenyl	13.323	154	348881	40.719	ng	100
47) 2-Chloronaphthalene	13.364	162	255541	40.894	ng	100
48) 2-Nitroaniline	13.564	65	78919	39.603	ng	100
49) Acenaphthylene	14.210	152	405756	41.052	ng	100
50) Dimethylphthalate	13.952	163	344791	41.187	ng	100
51) 2,6-Dinitrotoluene	14.063	165	66200	39.610	ng	100
52) Acenaphthene	14.557	154	269147m	40.492	ng	
53) 3-Nitroaniline	14.386	138	71724	44.330	ng	100
54) 2,4-Dinitrophenol	14.592	184	22778	36.881	ng	100
55) Dibenzofuran	14.886	168	440253	40.970	ng	100
56) 4-Nitrophenol	14.692	139	58316	42.977	ng	100
57) 2,4-Dinitrotoluene	14.845	165	91658	39.789	ng	100
58) Fluorene	15.538	166	335238	40.055	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.109	232	89594	43.345	ng	100
60) Diethylphthalate	15.321	149	378464	41.645	ng	100
61) 4-Chlorophenyl-phenyle...	15.538	204	166615	40.061	ng	100
62) 4-Nitroaniline	15.550	138	78323	44.838	ng	100
63) Azobenzene	15.826	77	398816	41.125	ng	100
65) 4,6-Dinitro-2-methylph...	15.609	198	38647	36.802	ng	100
66) n-Nitrosodiphenylamine	15.744	169	299980	40.872	ng	100
67) 4-Bromophenyl-phenylether	16.425	248	109095	41.081	ng	100
68) Hexachlorobenzene	16.537	284	118787	39.954	ng	100
69) Atrazine	16.696	200	82729	38.309	ng	100
70) Pentachlorophenol	16.878	266	77264	41.856	ng	100
71) Phenanthrene	17.271	178	560184	40.505	ng	100
72) Anthracene	17.365	178	562891	40.932	ng	100
73) Carbazole	17.630	167	532467	41.470	ng	100
74) Di-n-butylphthalate	18.206	149	652013	43.141	ng	100
75) Fluoranthene	19.281	202	683664	41.004	ng	100
77) Benzidine	19.463	184	170880	44.641	ng	100
78) Pyrene	19.645	202	714571	40.653	ng	100
80) Butylbenzylphthalate	20.544	149	253637	39.178	ng	100
81) Benzo(a)anthracene	21.443	228	710573	40.681	ng	100
82) 3,3'-Dichlorobenzidine	21.367	252	245252	43.385	ng	100
83) Chrysene	21.508	228	712310	40.888	ng	100
84) Bis(2-ethylhexyl)phtha...	21.378	149	412893	43.709	ng	100
85) Di-n-octyl phthalate	22.530	149	675516	41.459	ng	100
87) Indeno(1,2,3-cd)pyrene	27.877	276	797387	41.124	ng	100
88) Benzo(b)fluoranthene	23.529	252	704588	40.217	ng	100
89) Benzo(k)fluoranthene	23.593	252	727467	41.391	ng	100
90) Benzo(a)pyrene	24.340	252	641802	41.134	ng	100
91) Dibenzo(a,h)anthracene	27.947	278	656435	40.836	ng	100
92) Benzo(g,h,i)perylene	28.940	276	667911	40.469	ng	100

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

ICAL Form

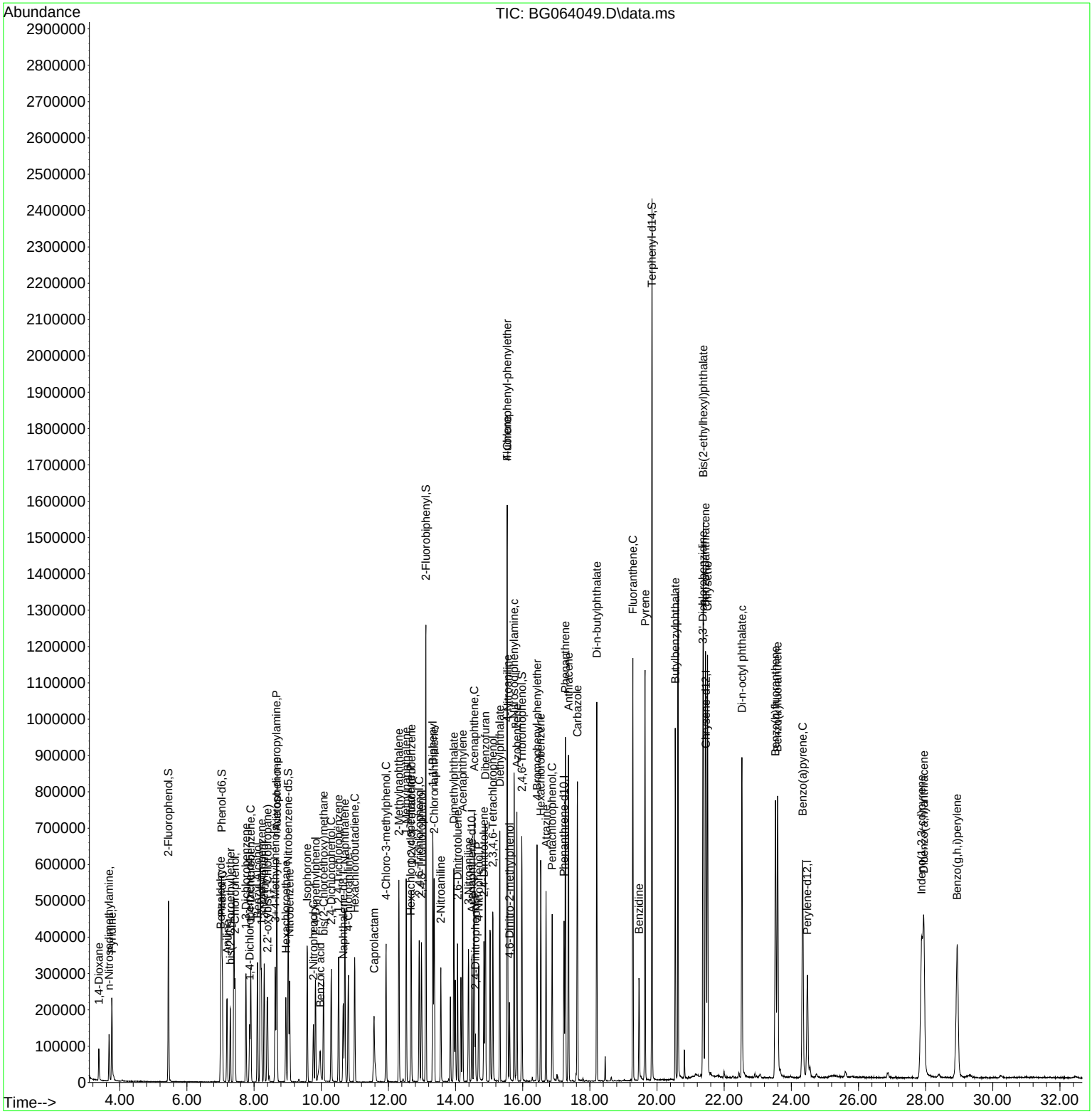
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064049.D
Acq On : 5 Mar 2025 11:43
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

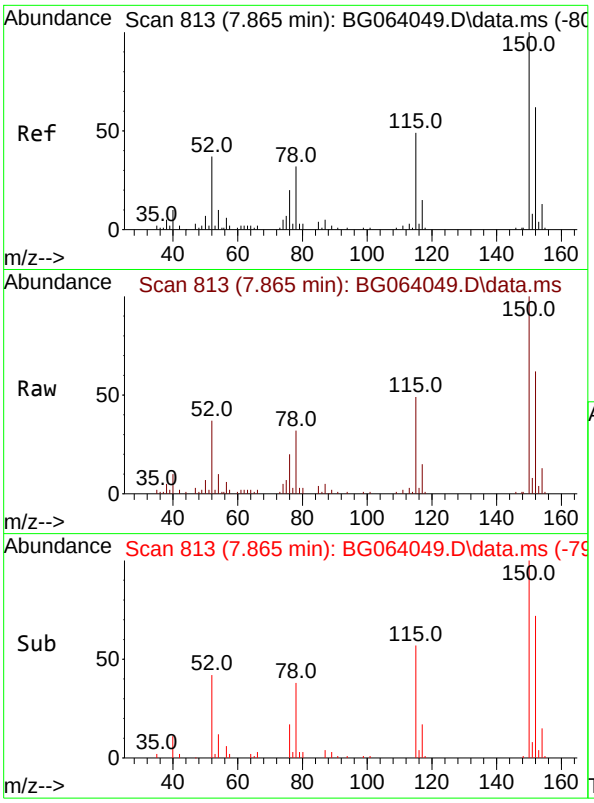
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

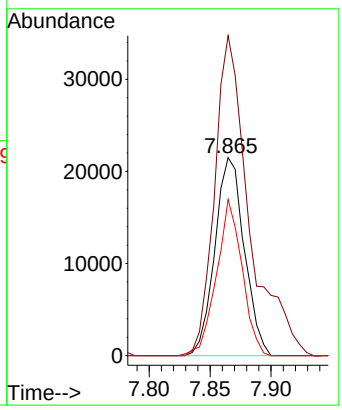




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:152 Resp: 3611

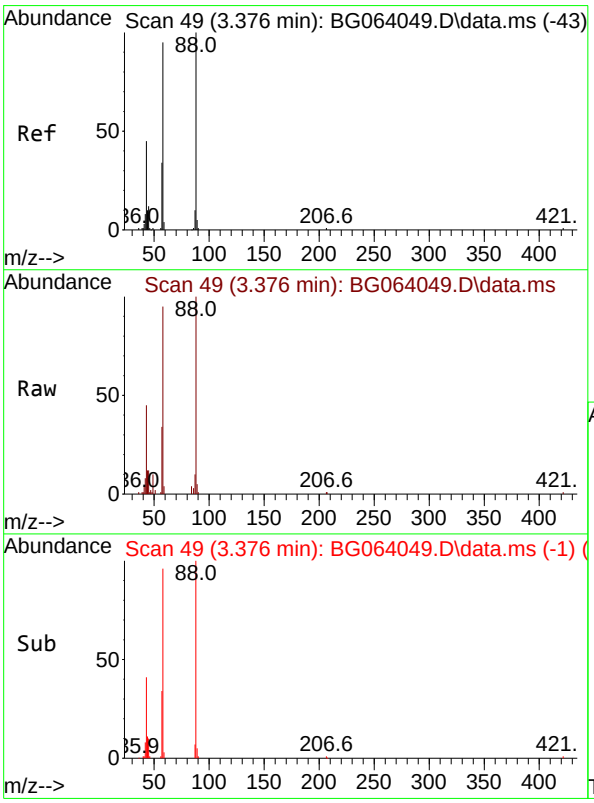
Ion	Ratio	Lower	Upper
152	100		
150	161.5	129.2	193.8
115	78.8	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

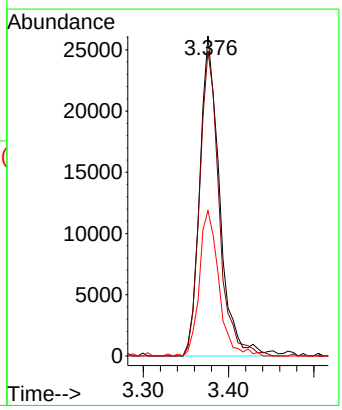
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

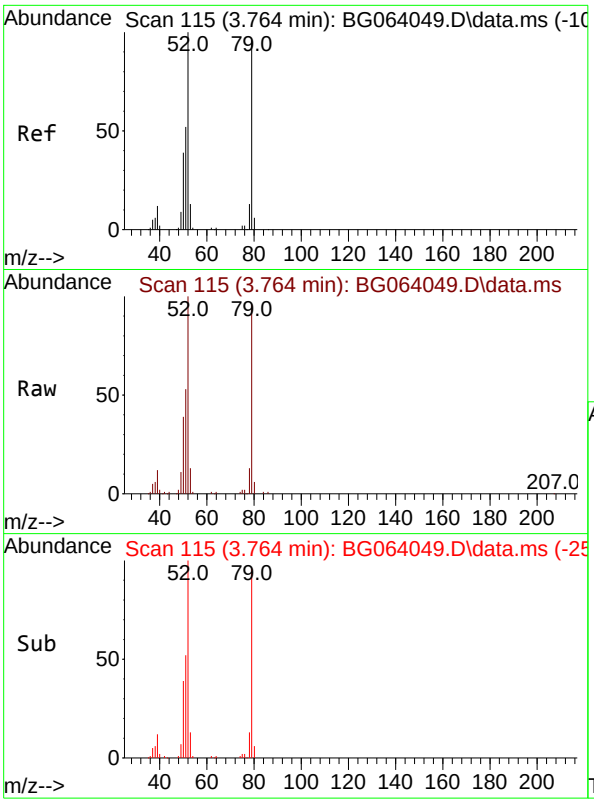


#2
1,4-Dioxane
Concen: 40.305 ng
RT: 3.376 min Scan# 49
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 88 Resp: 42253

Ion	Ratio	Lower	Upper
88	100		
58	93.2	74.6	111.8
43	44.4	35.5	53.3

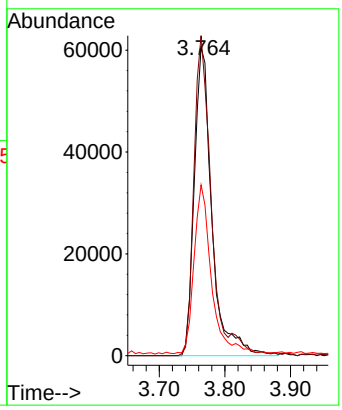




#3
Pyridine
Concen: 44.572 ng
RT: 3.764 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 79 Resp: 11363

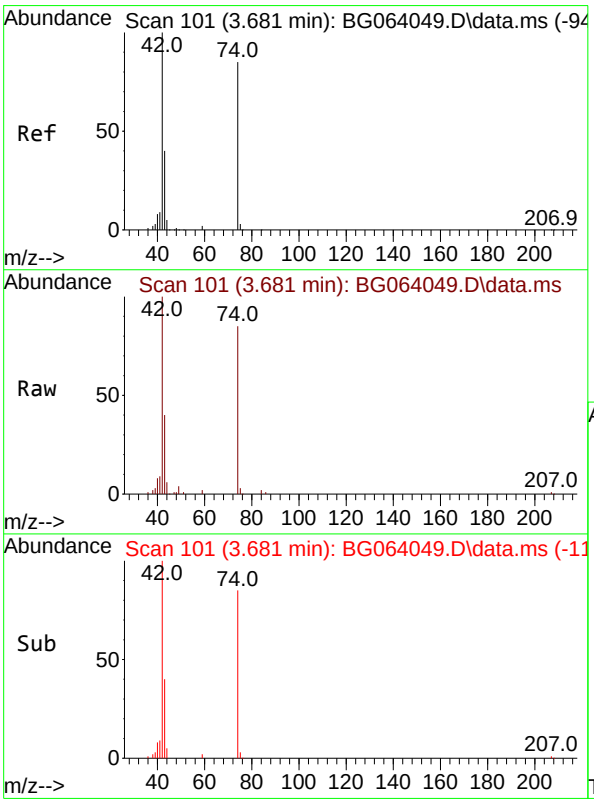
Ion	Ratio	Lower	Upper
79	100		
52	103.8	83.0	124.6
51	55.4	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

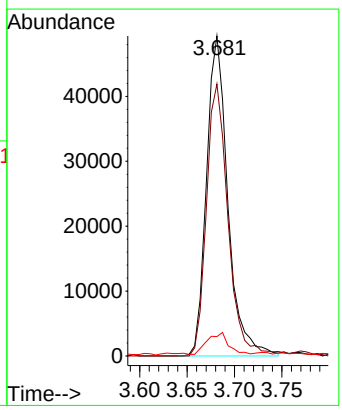
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

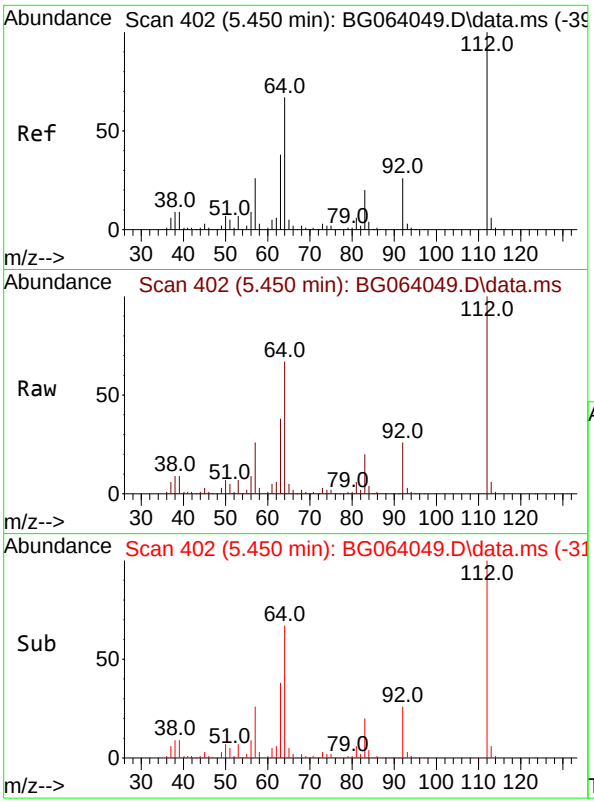


#4
n-Nitrosodimethylamine
Concen: 42.203 ng
RT: 3.681 min Scan# 101
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 42 Resp: 76876

Ion	Ratio	Lower	Upper
42	100		
74	85.0	68.0	102.0
44	6.1	4.9	7.3

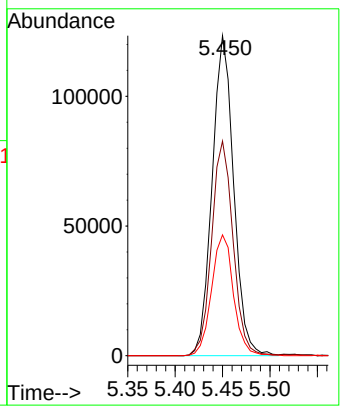




#5
2-Fluorophenol
Concen: 84.325 ng
RT: 5.450 min Scan# 4(
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:112 Resp: 19505

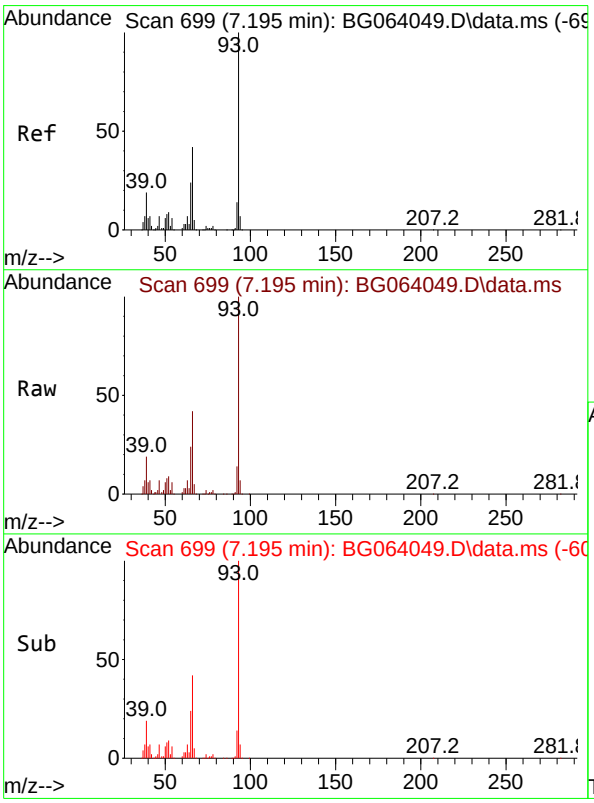
Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.7	80.5
63	37.8	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

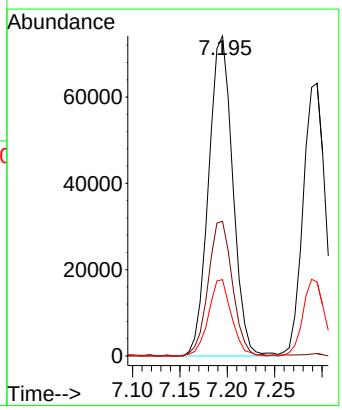
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

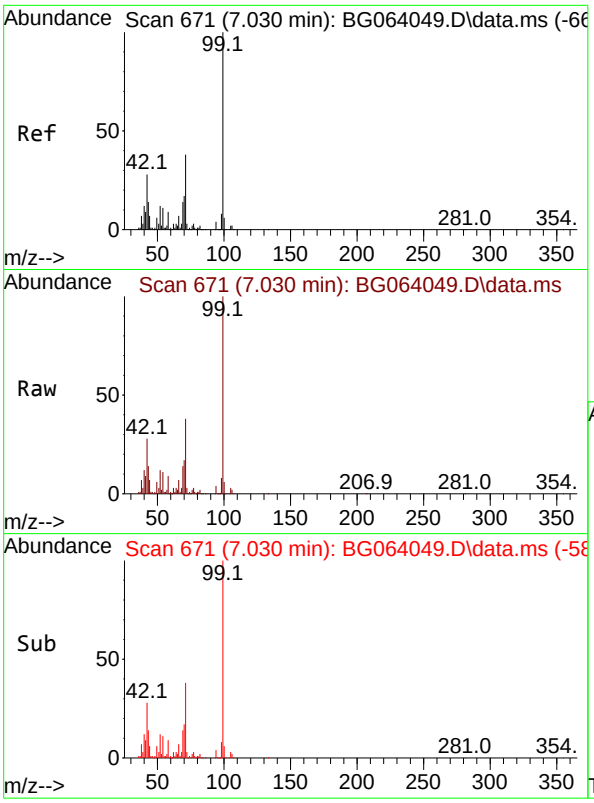


#6
Aniline
Concen: 42.576 ng
RT: 7.195 min Scan# 699
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 93 Resp: 131468

Ion	Ratio	Lower	Upper
93	100		
66	42.1	33.7	50.5
65	23.9	19.1	28.7





#7
Phenol-d6
Concen: 84.856 ng
RT: 7.030 min Scan# 6
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

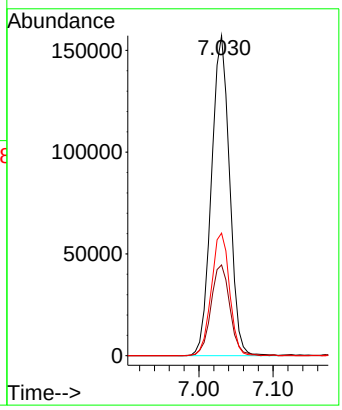
Tgt Ion: 99 Resp: 26702

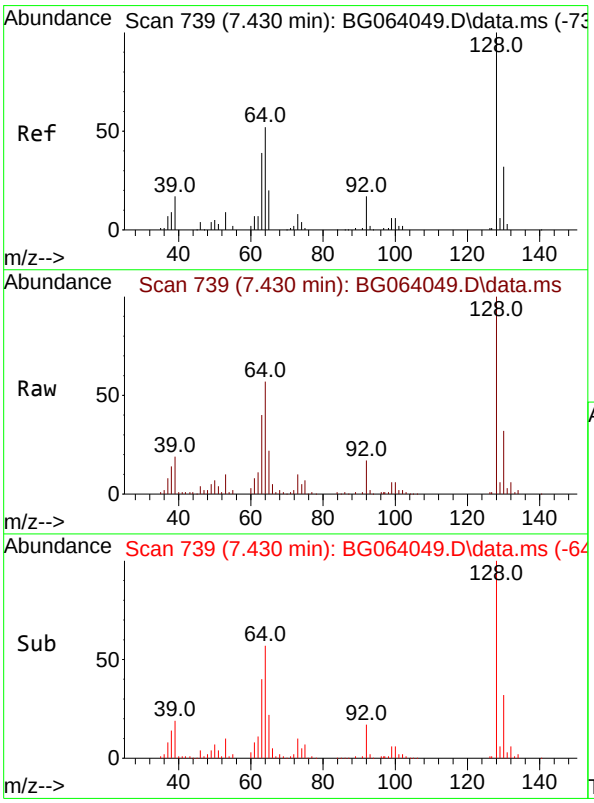
Ion	Ratio	Lower	Upper
99	100		
42	28.4	22.7	34.1
71	38.3	30.6	46.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

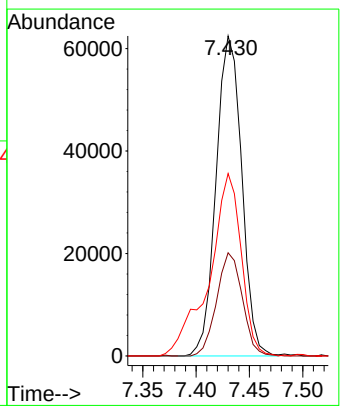


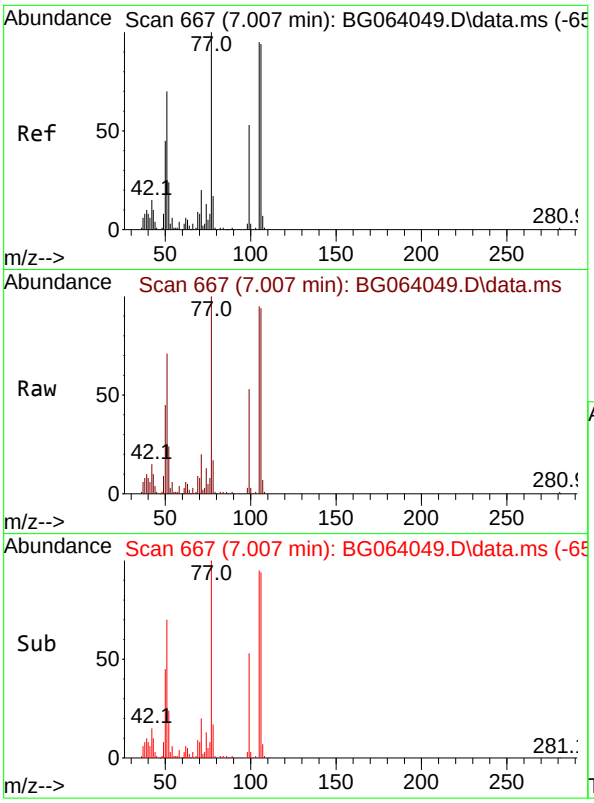


#8
2-Chlorophenol
Concen: 42.032 ng
RT: 7.430 min Scan# 739
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:128 Resp: 104423

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.3	52.3
64	57.0	37.0	77.0

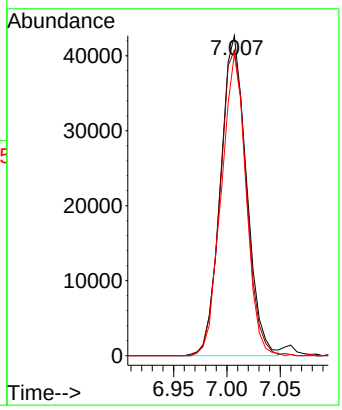




#9
Benzaldehyde
Concen: 39.392 ng
RT: 7.007 min Scan# 6
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 77 Resp: 7245

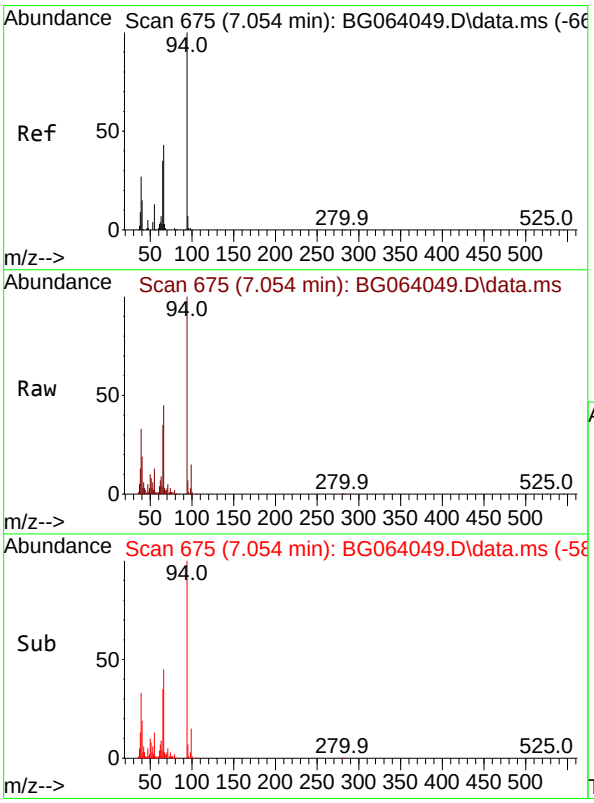
Ion	Ratio	Lower	Upper
77	100		
105	95.5	75.5	115.5
106	94.2	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

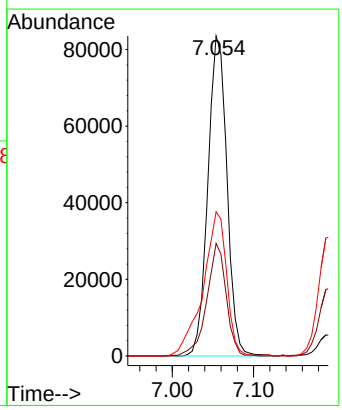
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

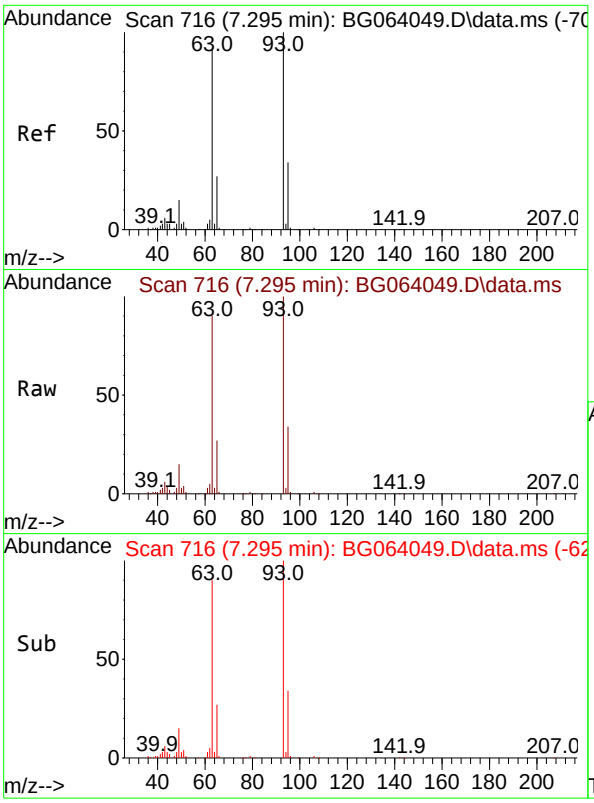


#10
Phenol
Concen: 42.171 ng
RT: 7.054 min Scan# 675
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 94 Resp: 135869

Ion	Ratio	Lower	Upper
94	100		
65	35.2	15.2	55.2
66	45.1	25.1	65.1

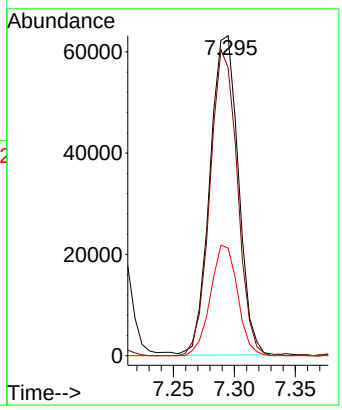




#11
bis(2-Chloroethyl)ether
Concen: 40.462 ng
RT: 7.295 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 93 Resp: 10220

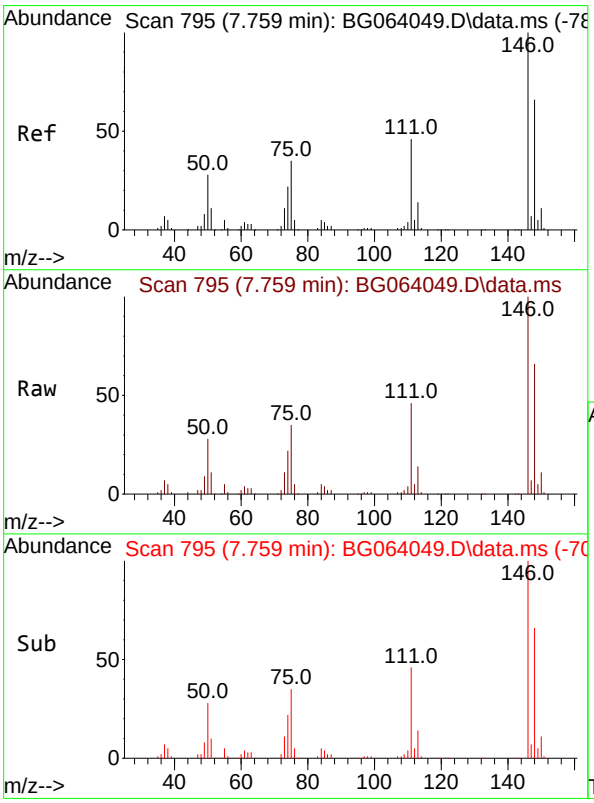
Ion	Ratio	Lower	Upper
93	100		
63	90.0	70.0	110.0
95	33.7	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

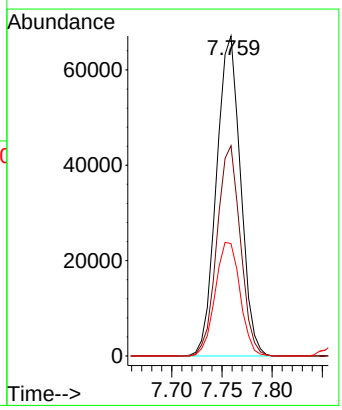
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

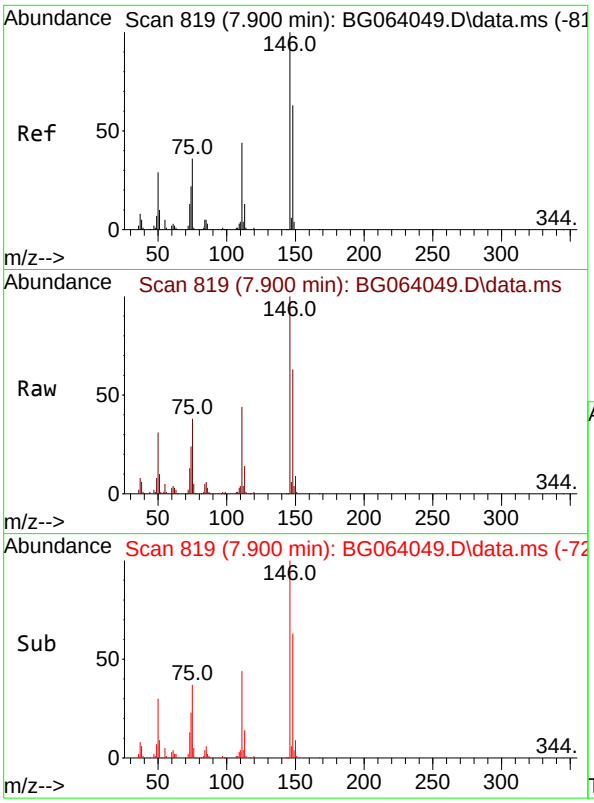


#12
1,3-Dichlorobenzene
Concen: 40.935 ng
RT: 7.759 min Scan# 795
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:146 Resp: 111677

Ion	Ratio	Lower	Upper
146	100		
148	65.7	52.6	78.8
75	35.1	28.1	42.1

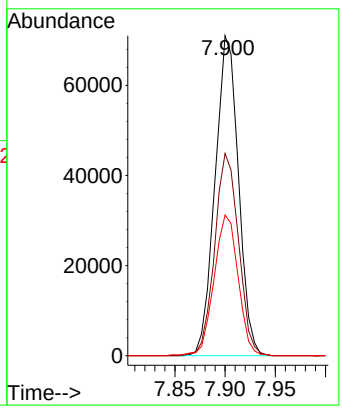




#13
1,4-Dichlorobenzene
Concen: 41.114 ng
RT: 7.900 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:146 Resp: 11497

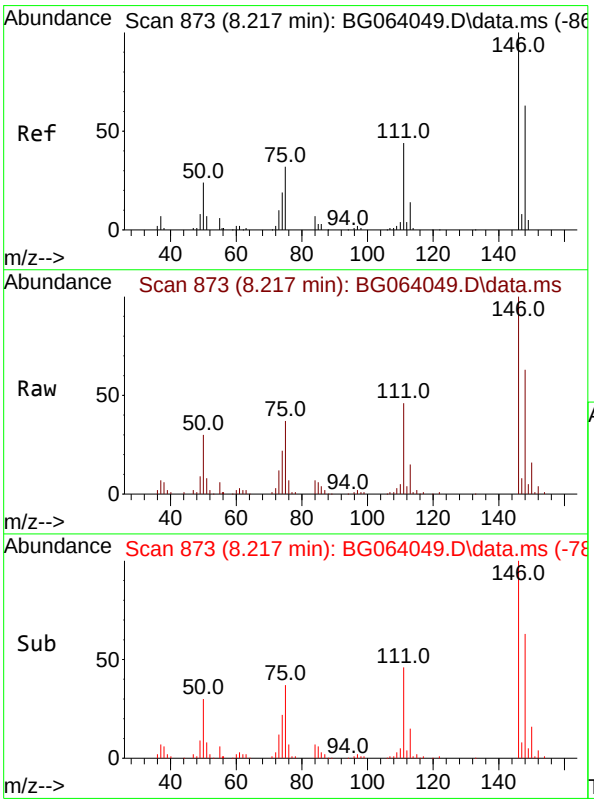
Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	75.8
111	43.9	35.1	52.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

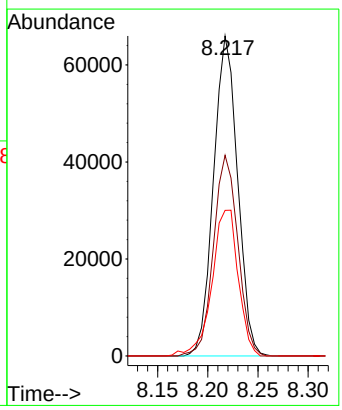
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

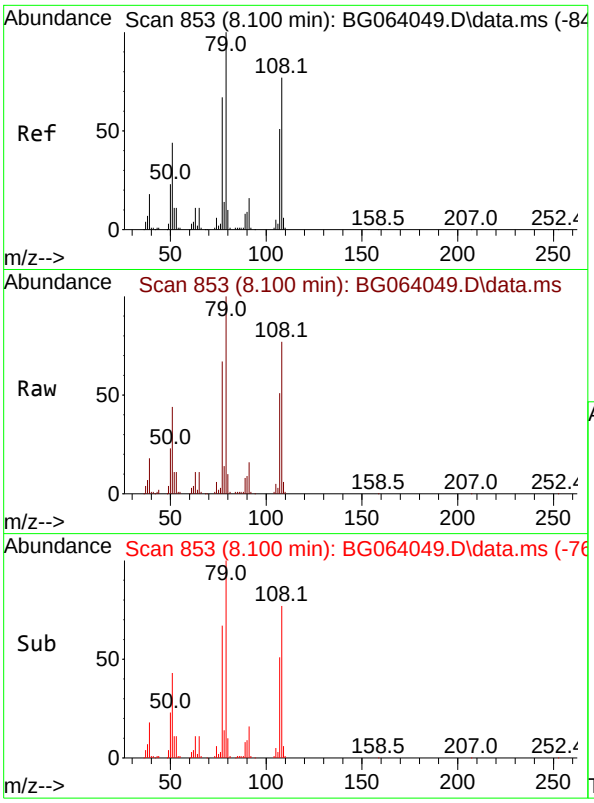


#14
1,2-Dichlorobenzene
Concen: 40.705 ng
RT: 8.217 min Scan# 873
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:146 Resp: 109760

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.2	75.2
111	45.5	36.4	54.6

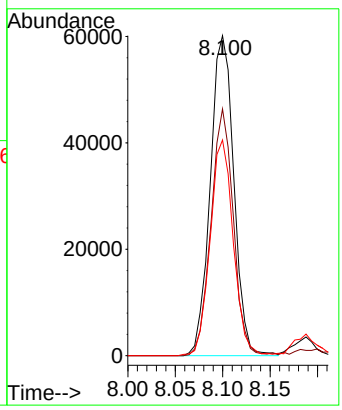




#15
Benzyl Alcohol
Concen: 42.666 ng
RT: 8.100 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 79 Resp: 10375

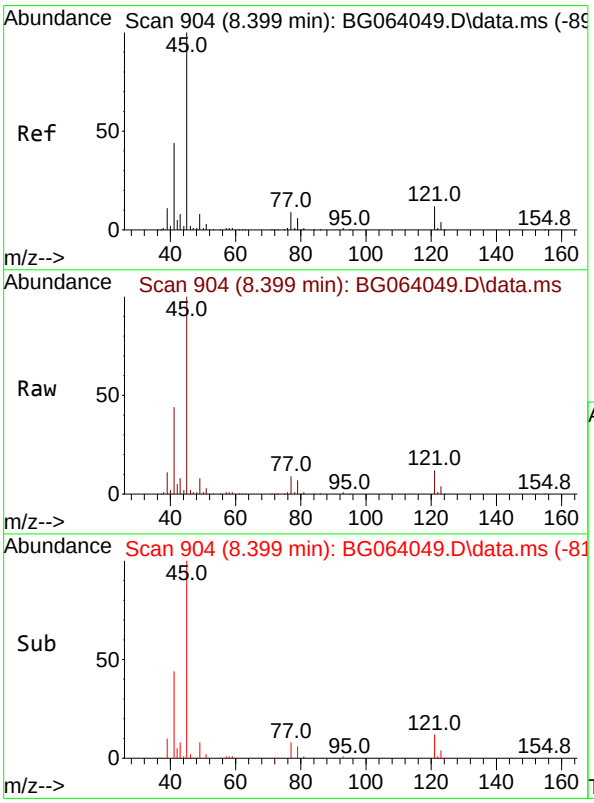
Ion	Ratio	Lower	Upper
79	100		
108	77.1	61.7	92.5
77	67.4	53.9	80.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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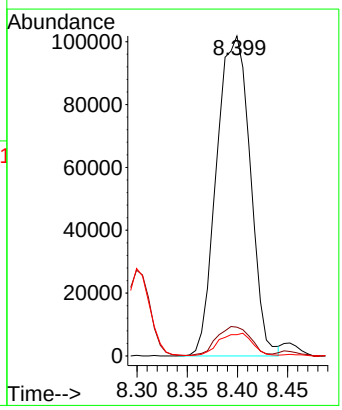
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

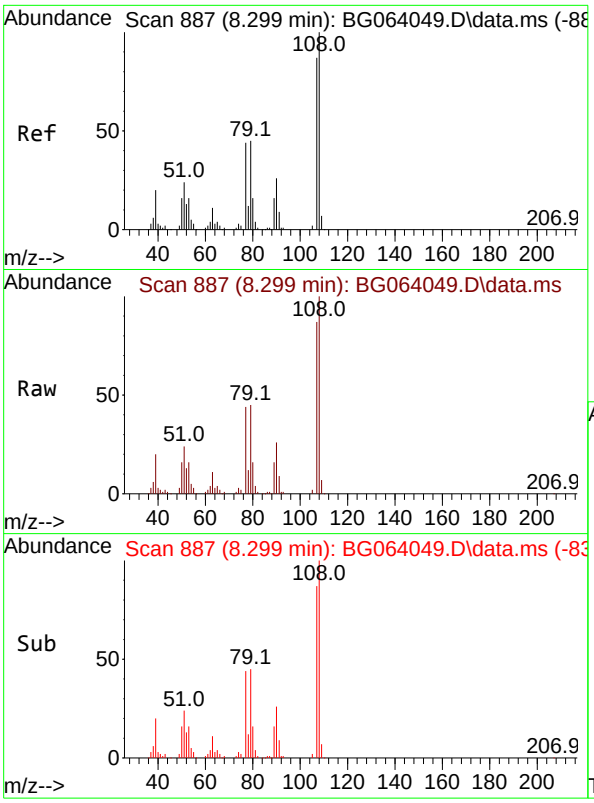


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.738 ng
RT: 8.399 min Scan# 904
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 45 Resp: 237053

Ion	Ratio	Lower	Upper
45	100		
77	9.0	0.0	29.0
79	6.6	0.0	26.6

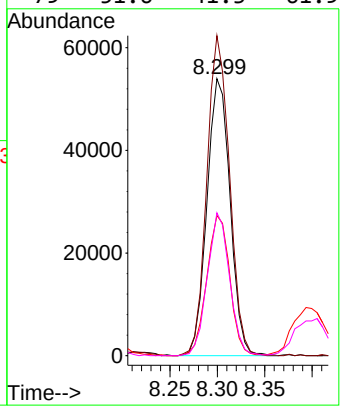




#17
2-Methylphenol
Concen: 42.852 ng
RT: 8.299 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:107 Resp: 9163

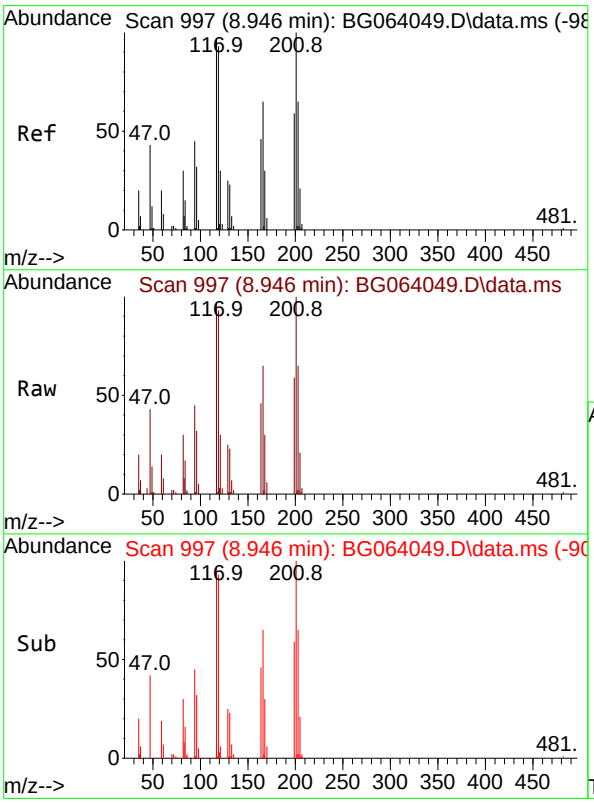
Ion	Ratio	Lower	Upper
107	100		
108	115.6	92.5	138.7
77	50.6	40.5	60.7
79	51.6	41.3	61.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

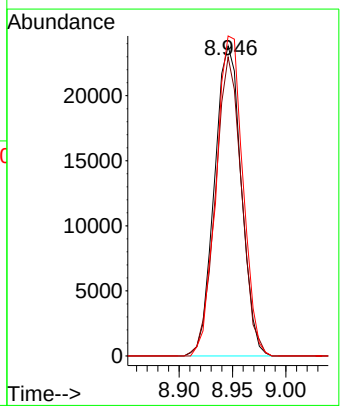
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

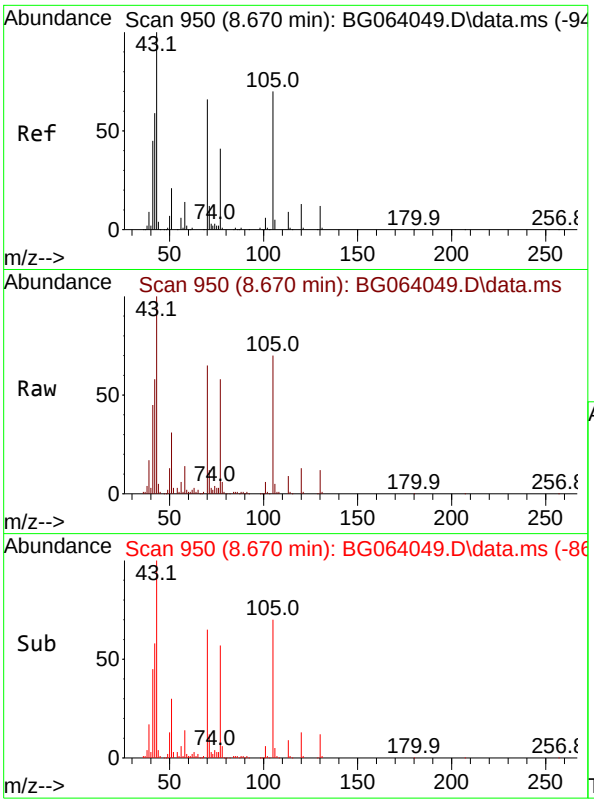


#18
Hexachloroethane
Concen: 42.603 ng
RT: 8.946 min Scan# 997
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:117 Resp: 41682

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.2	114.2
201	101.9	81.5	122.3

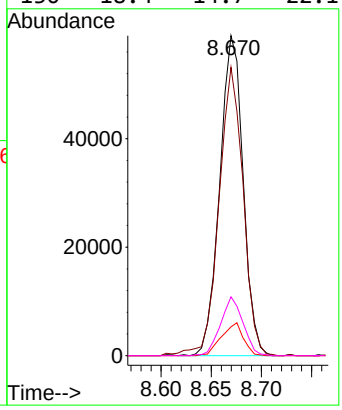




#19
n-Nitroso-di-n-propylamine
Concen: 43.283 ng
RT: 8.670 min Scan# 9
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 70 Resp: 9558

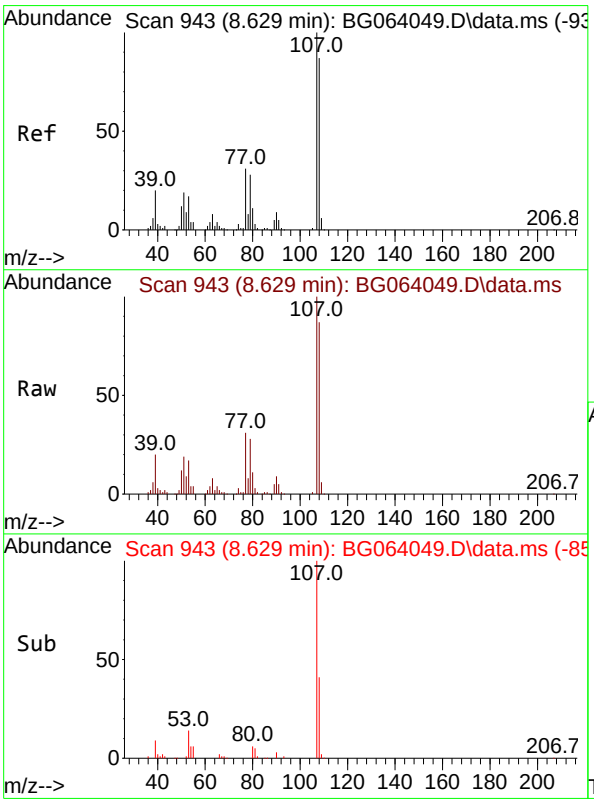
Ion	Ratio	Lower	Upper
70	100		
42	90.1	72.1	108.1
101	9.0	7.2	10.8
130	18.4	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

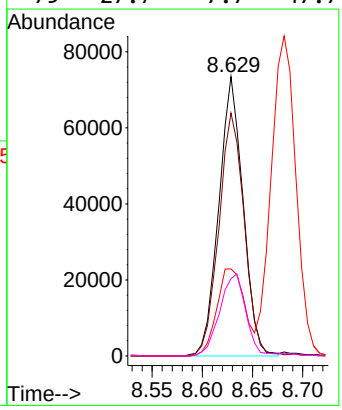
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

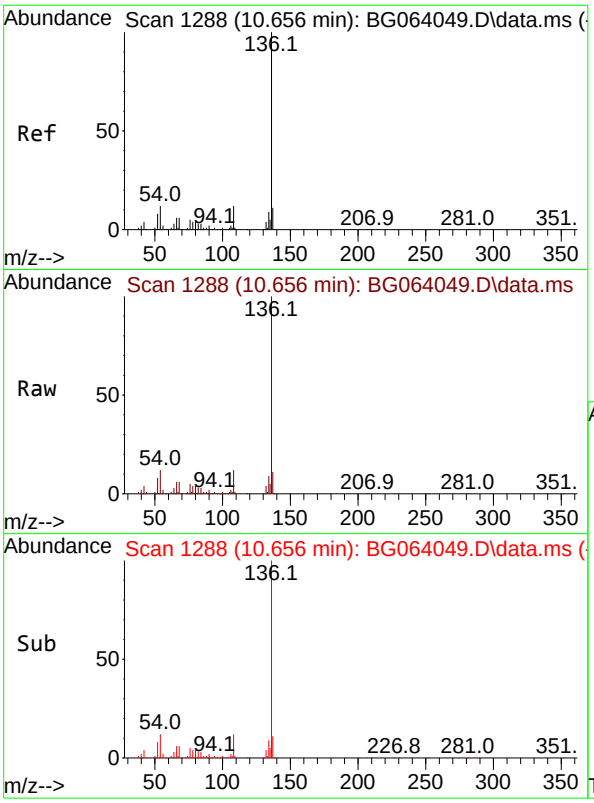


#20
3+4-Methylphenols
Concen: 41.875 ng
RT: 8.629 min Scan# 943
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:107 Resp: 123273

Ion	Ratio	Lower	Upper
107	100		
108	87.0	67.0	107.0
77	31.2	11.2	51.2
79	27.7	7.7	47.7

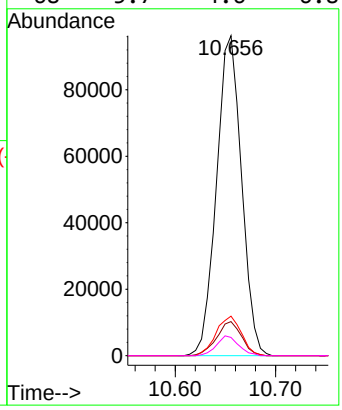




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.656 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:136 Resp: 16659

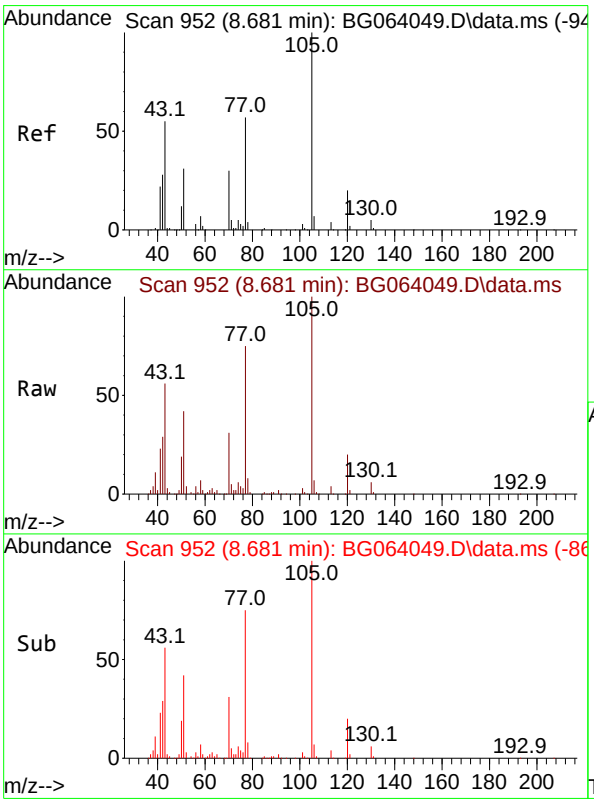
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	12.4	9.9	14.9
68	5.7	4.6	6.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

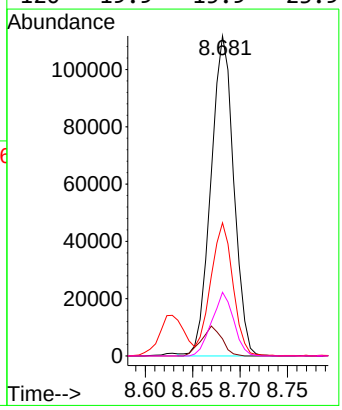
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

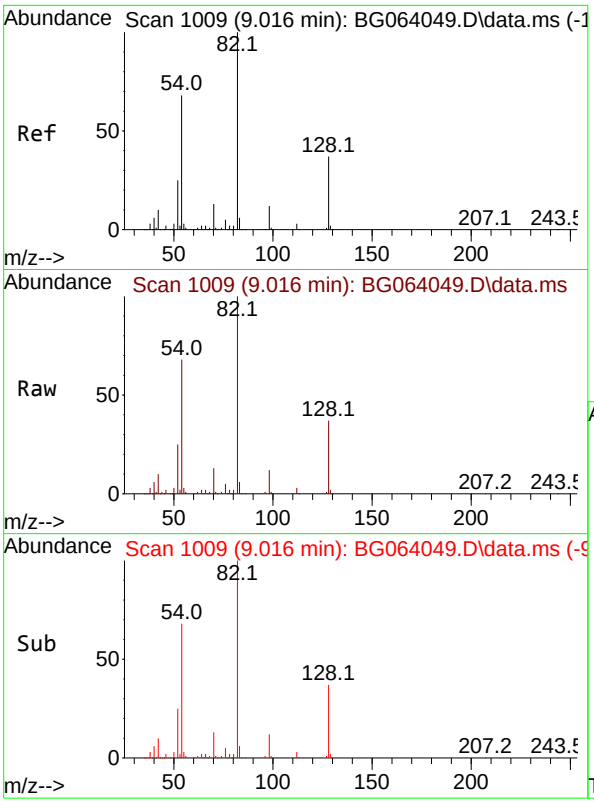


#22
Acetophenone
Concen: 41.048 ng
RT: 8.681 min Scan# 952
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:105 Resp: 187490

Ion	Ratio	Lower	Upper
105	100		
71	5.3	4.2	6.4
51	41.6	33.3	49.9
120	19.9	15.9	23.9

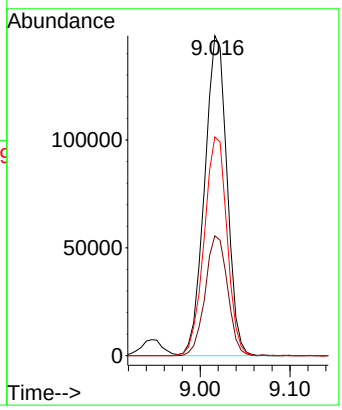




#23
Nitrobenzene-d5
Concen: 85.125 ng
RT: 9.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 82 Resp: 25661

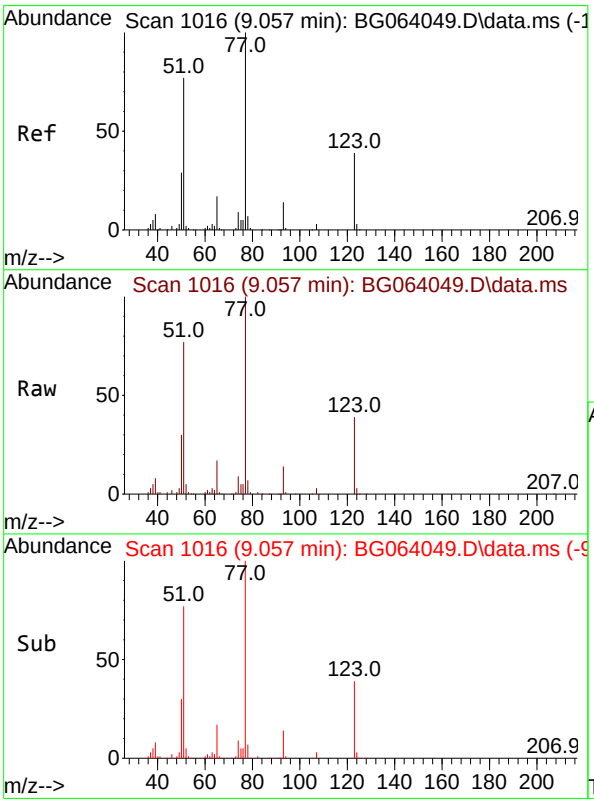
Ion	Ratio	Lower	Upper
82	100		
128	37.5	30.0	45.0
54	68.4	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

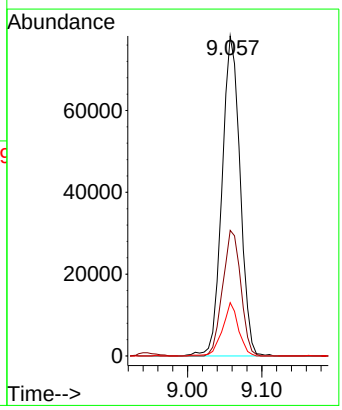
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

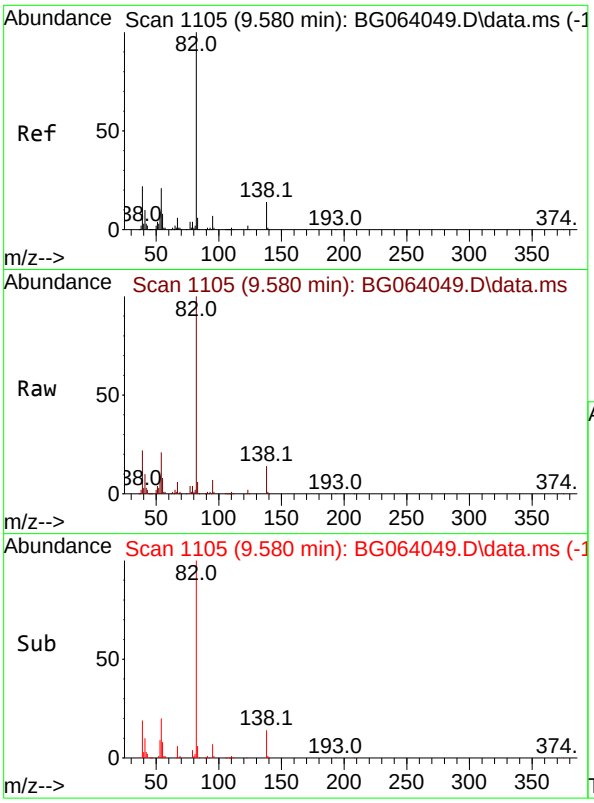


#24
Nitrobenzene
Concen: 42.497 ng
RT: 9.057 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 77 Resp: 132396

Ion	Ratio	Lower	Upper
77	100		
123	39.3	31.4	47.2
65	16.7	13.4	20.0

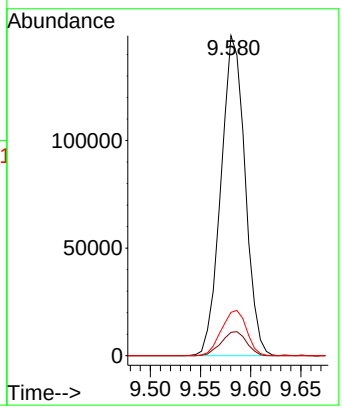




#25
Isophorone
Concen: 41.117 ng
RT: 9.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 82 Resp: 24809

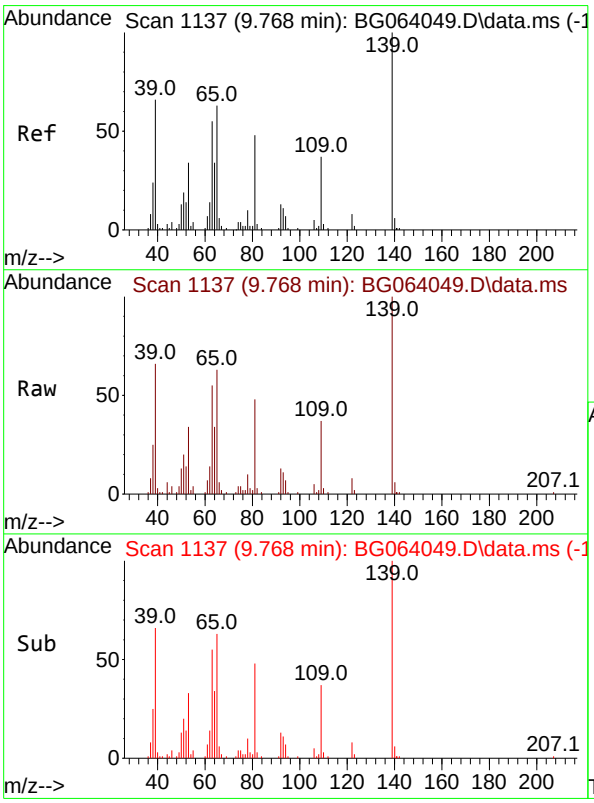
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	13.6	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

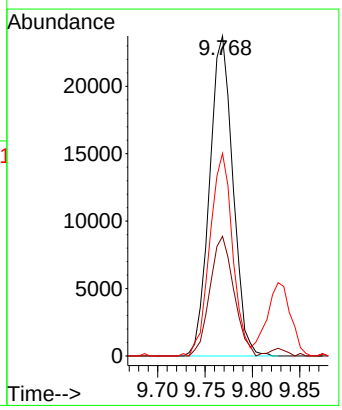
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

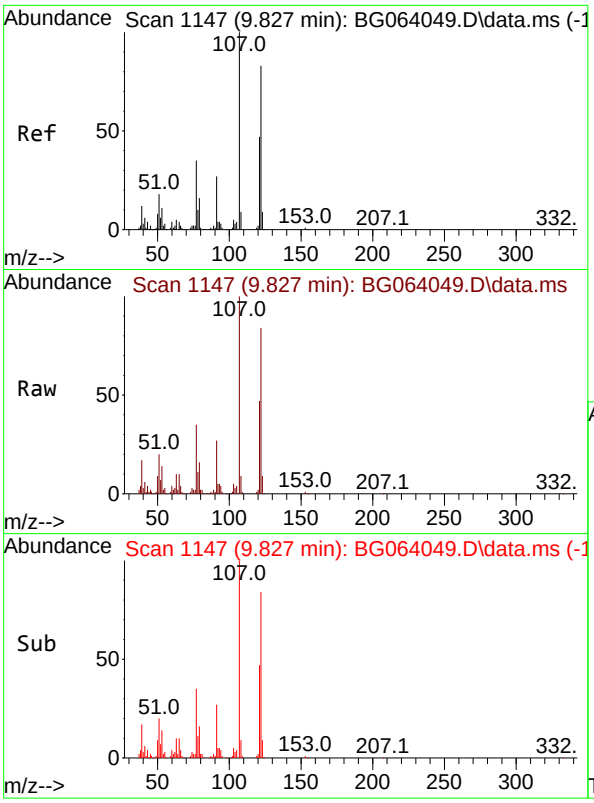


#26
2-Nitrophenol
Concen: 39.553 ng
RT: 9.768 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:139 Resp: 40684

Ion	Ratio	Lower	Upper
139	100		
109	37.4	29.9	44.9
65	63.3	50.6	76.0

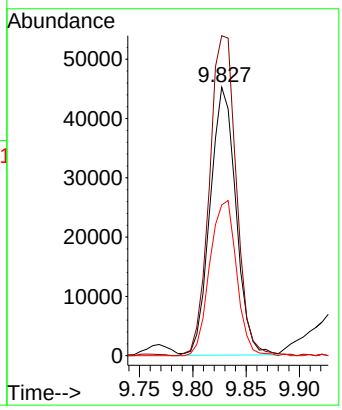




#27
2,4-Dimethylphenol
Concen: 42.079 ng
RT: 9.827 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:122 Resp: 7611

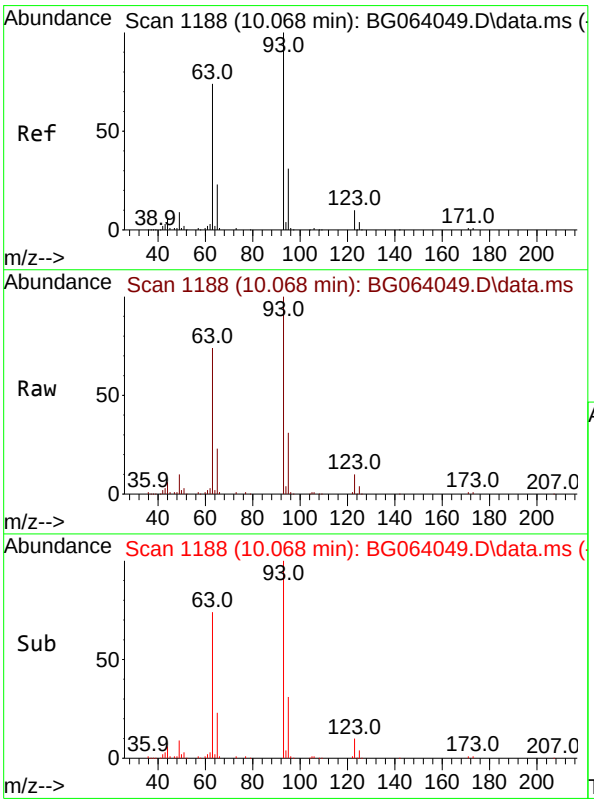
Ion	Ratio	Lower	Upper
122	100		
107	119.2	95.4	143.0
121	56.1	44.9	67.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

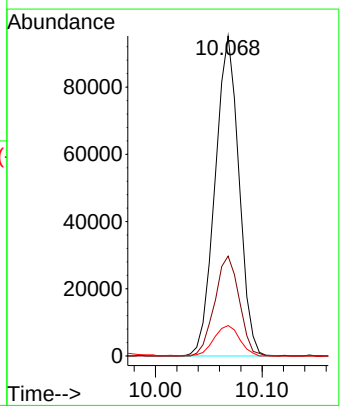
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

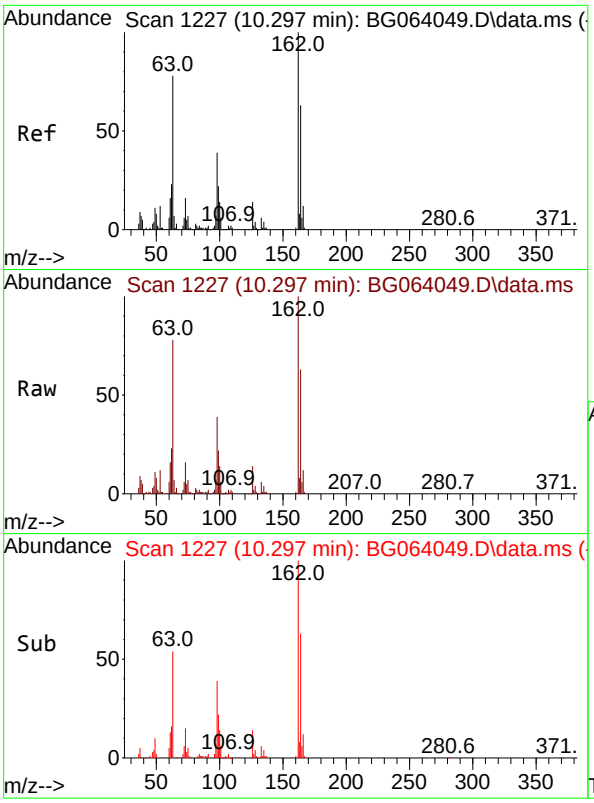


#28
bis(2-Chloroethoxy)methane
Concen: 40.391 ng
RT: 10.068 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 93 Resp: 147757

Ion	Ratio	Lower	Upper
93	100		
95	31.2	25.0	37.4
123	9.5	7.6	11.4

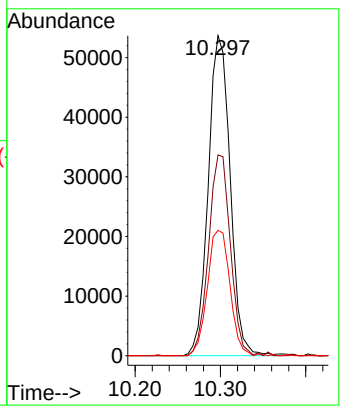




#29
2,4-Dichlorophenol
Concen: 41.916 ng
RT: 10.297 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:162 Resp: 9573

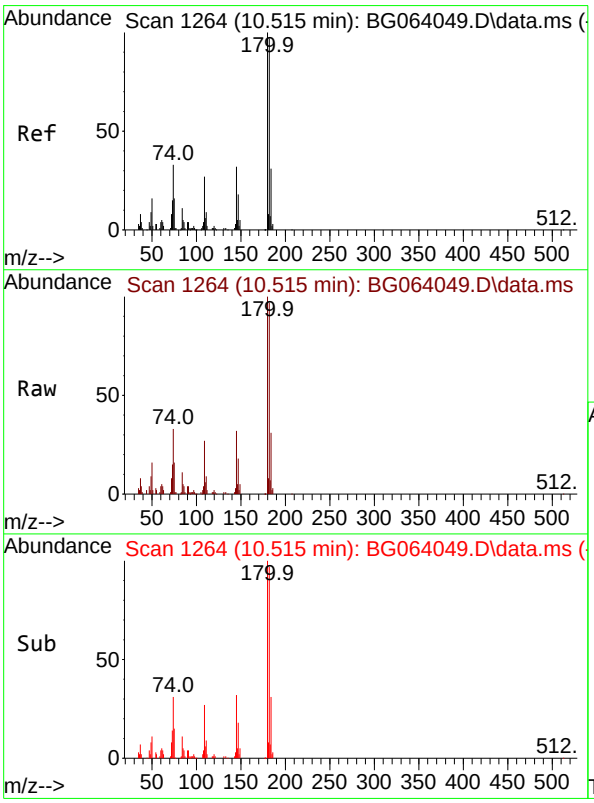
Ion	Ratio	Lower	Upper
162	100		
164	62.8	42.8	82.8
98	39.1	19.1	59.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

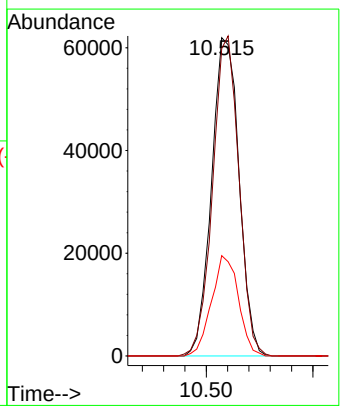
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

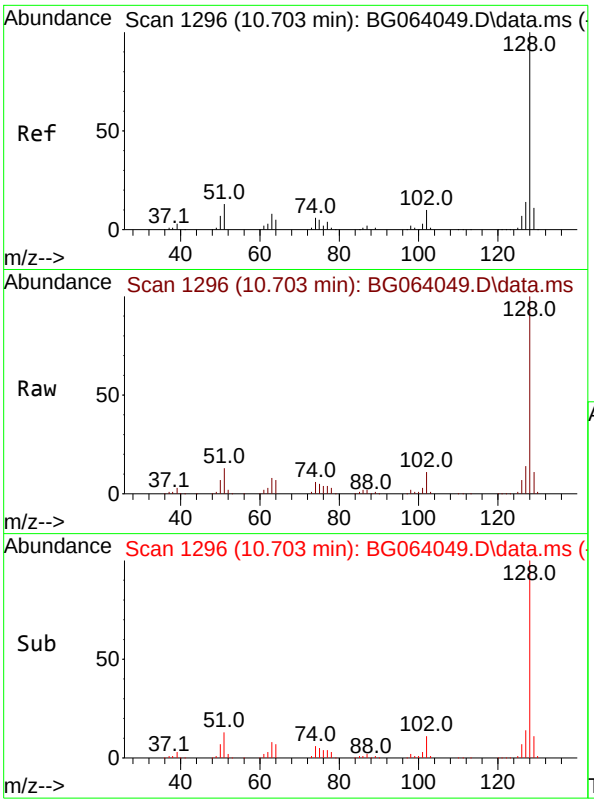


#30
1,2,4-Trichlorobenzene
Concen: 40.125 ng
RT: 10.515 min Scan# 1264
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:180 Resp: 110636

Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.3	115.9
145	31.5	25.2	37.8

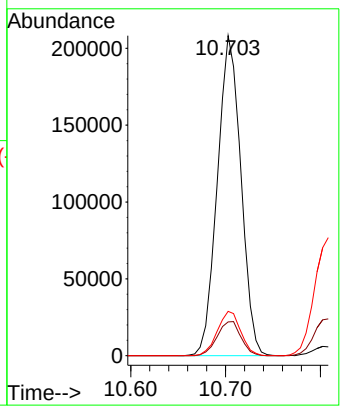




#31
Naphthalene
Concen: 40.004 ng
RT: 10.703 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:128 Resp: 35936

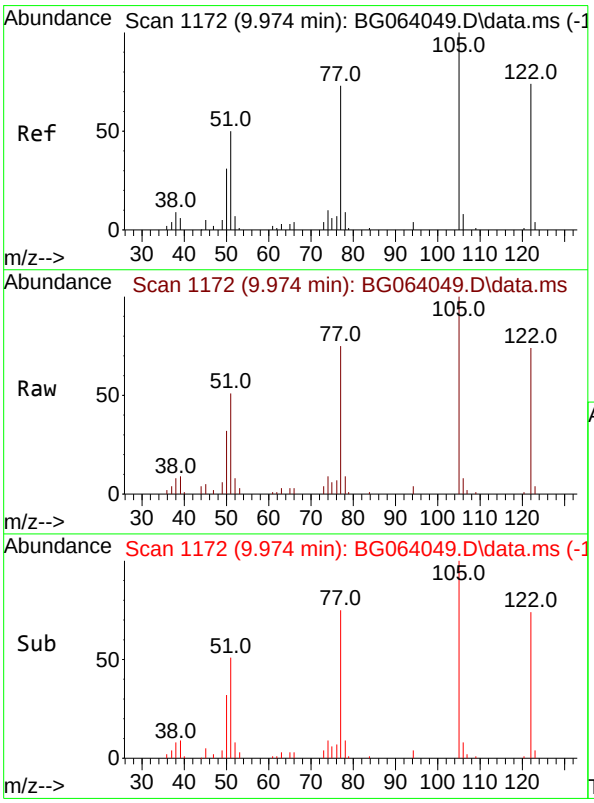
Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.4	12.6
127	13.9	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

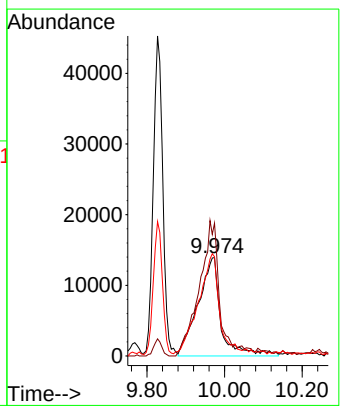
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

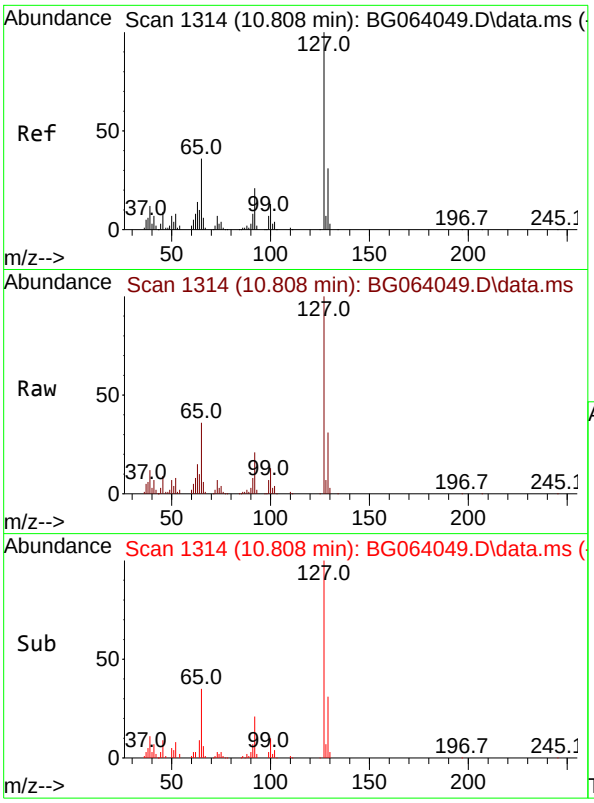


#32
Benzoic acid
Concen: 37.004 ng m
RT: 9.974 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:122 Resp: 57392

Ion	Ratio	Lower	Upper
122	100		
105	135.0	115.0	155.0
77	100.9	80.9	120.9

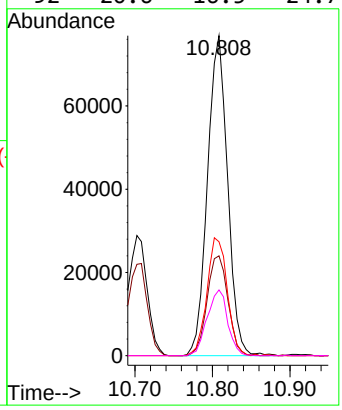




#33
4-Chloroaniline
Concen: 42.251 ng
RT: 10.808 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:127 Resp: 13872

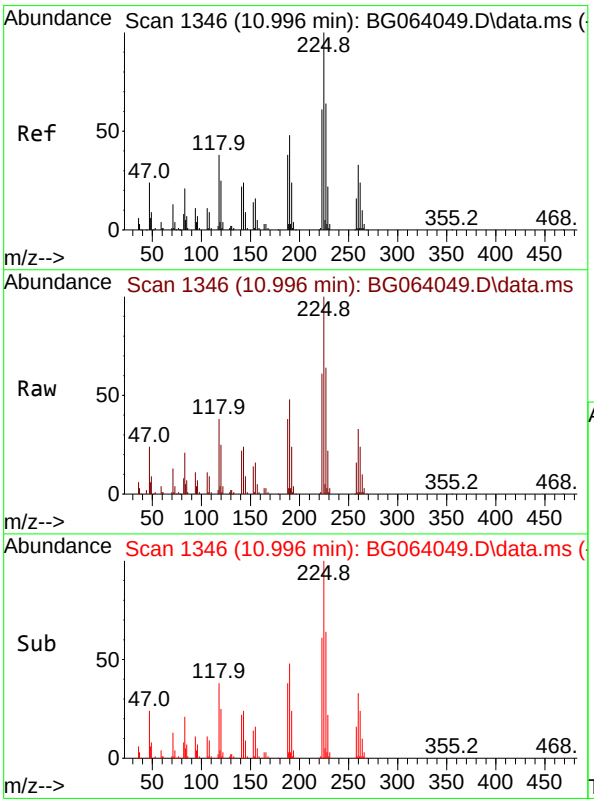
Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.0	37.4
65	35.6	28.5	42.7
92	20.6	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

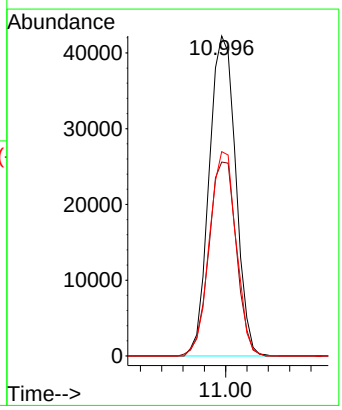
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

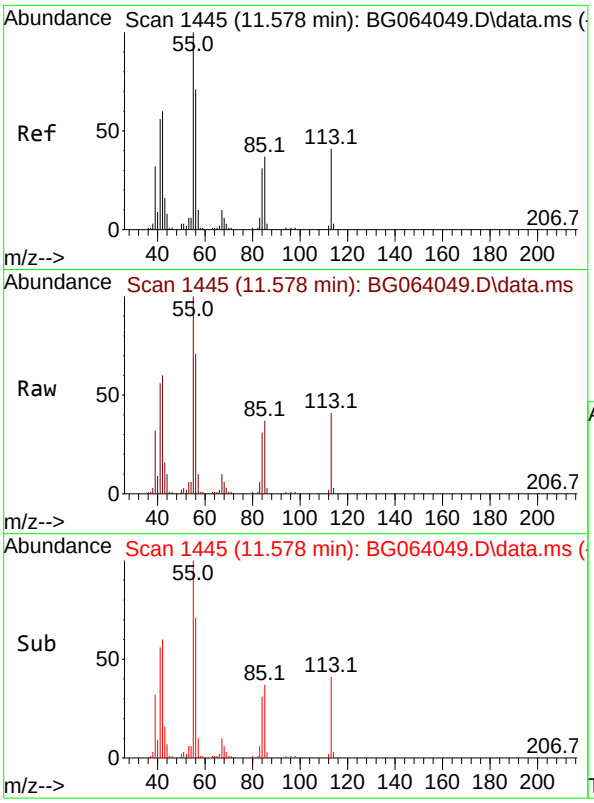


#34
Hexachlorobutadiene
Concen: 40.294 ng
RT: 10.996 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:225 Resp: 72822

Ion	Ratio	Lower	Upper
225	100		
223	60.6	48.5	72.7
227	63.8	51.0	76.6





#35
Caprolactam
Concen: 41.970 ng
RT: 11.578 min Scan# 14
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

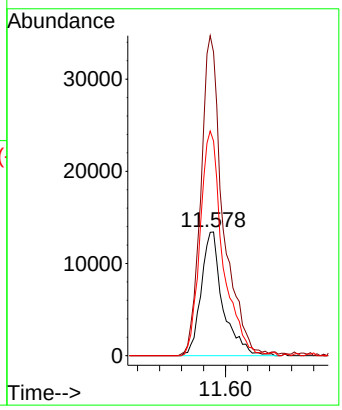
Tgt Ion:113 Resp: 3673

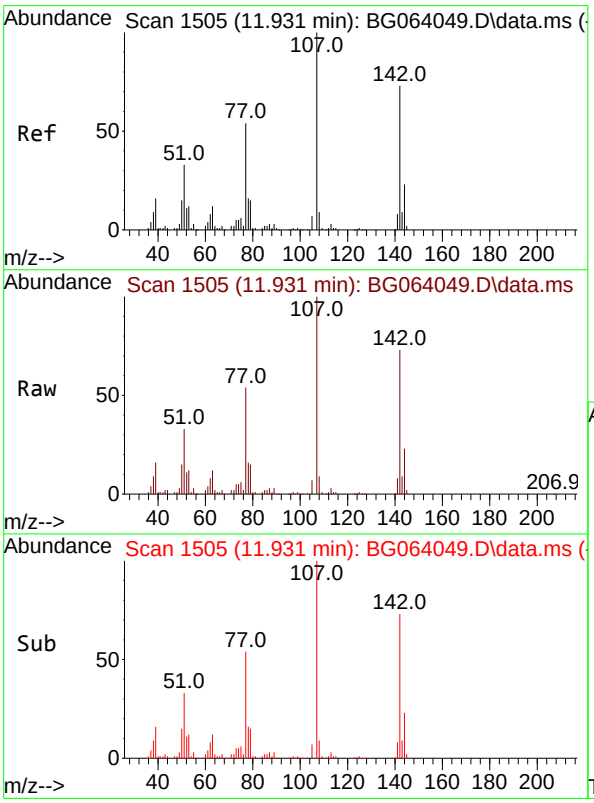
Ion	Ratio	Lower	Upper
113	100		
55	245.2	225.2	265.2
56	173.4	153.4	193.4

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

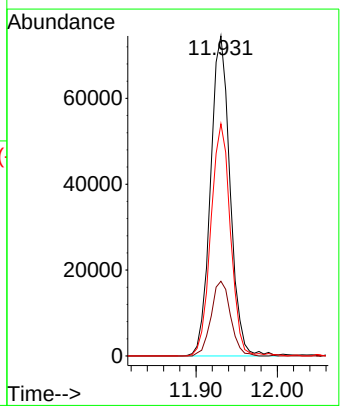


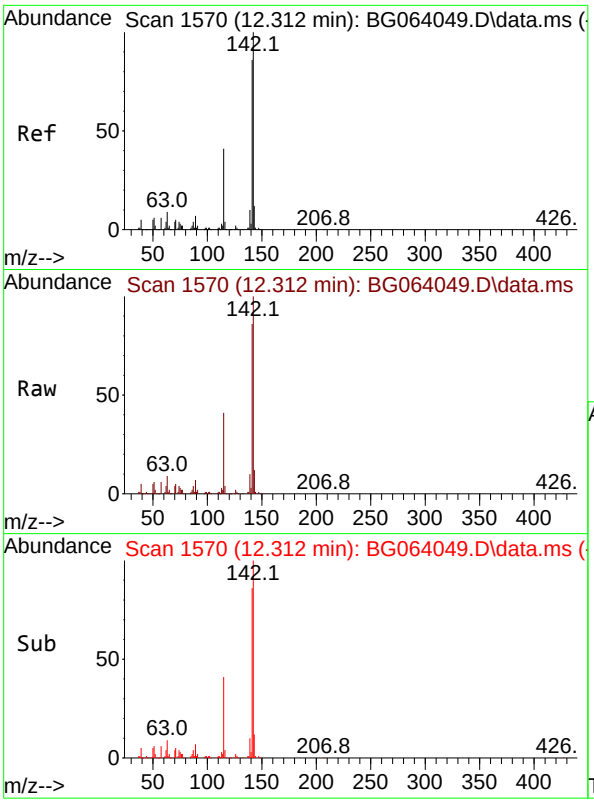


#36
4-Chloro-3-methylphenol
Concen: 41.558 ng
RT: 11.931 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:107 Resp: 124422

Ion	Ratio	Lower	Upper
107	100		
144	23.3	18.6	28.0
142	72.5	58.0	87.0

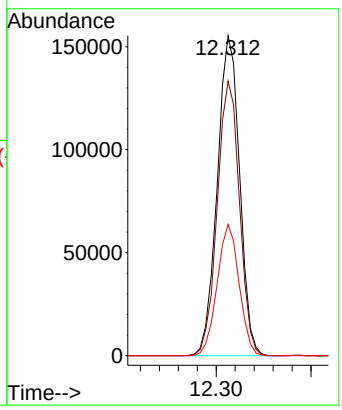




#37
2-Methylnaphthalene
Concen: 40.099 ng
RT: 12.312 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:142 Resp: 25429

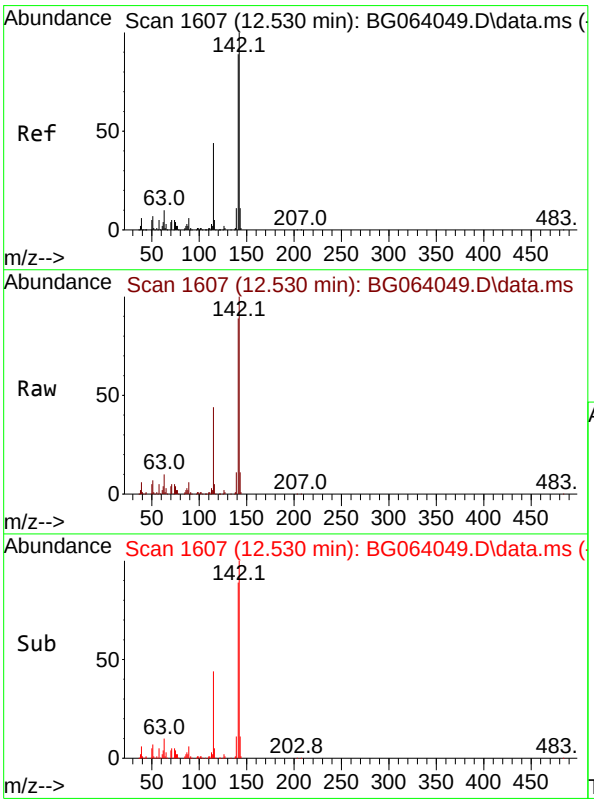
Ion	Ratio	Lower	Upper
142	100		
141	85.8	68.6	103.0
115	41.0	32.8	49.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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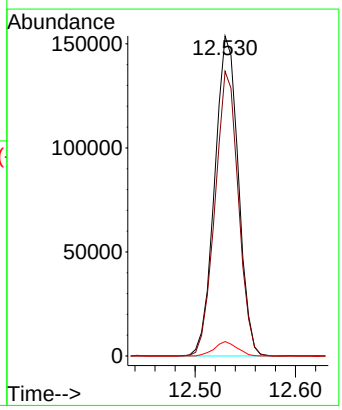
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

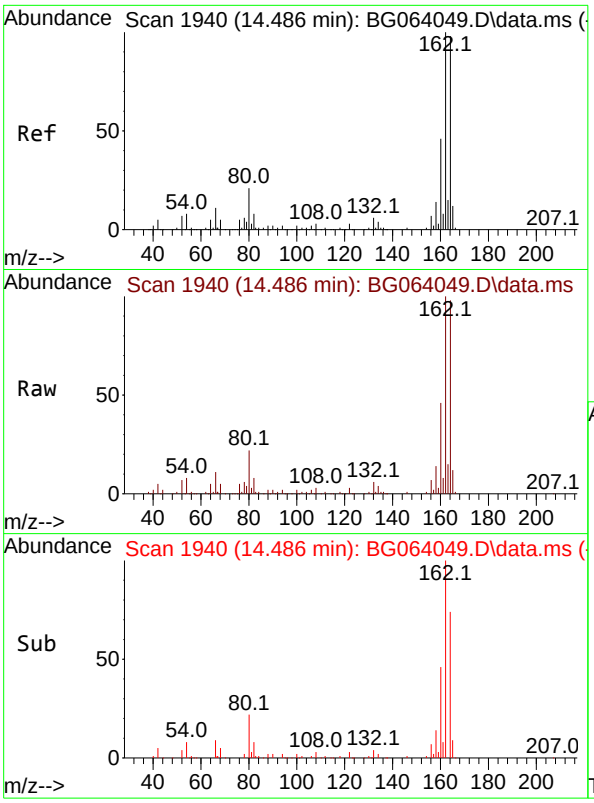


#38
1-Methylnaphthalene
Concen: 40.394 ng
RT: 12.530 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:142 Resp: 250971

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8
116	4.5	3.6	5.4

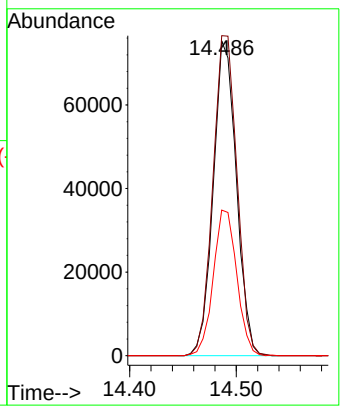




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:164 Resp: 11340

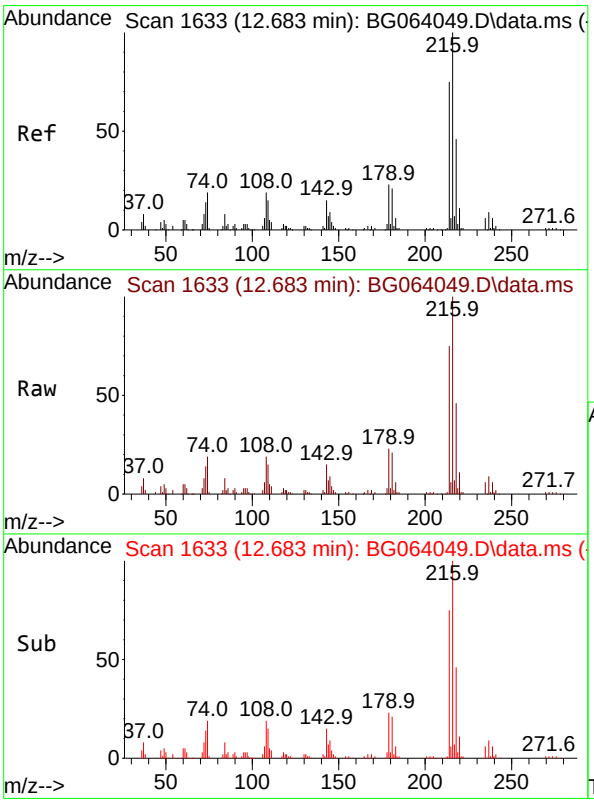
Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.4	122.0
160	46.3	37.0	55.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

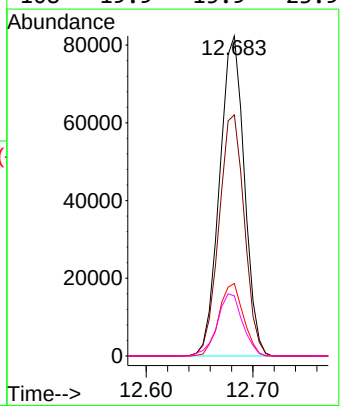
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

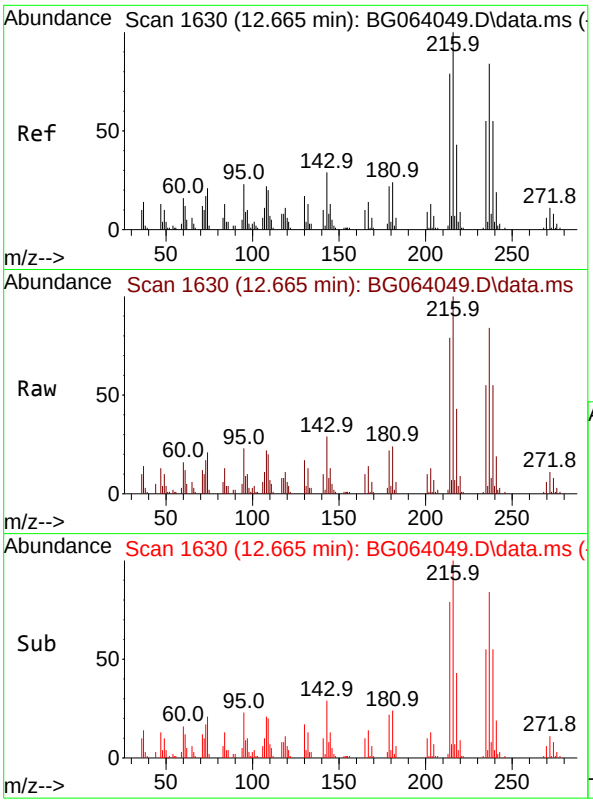


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.034 ng
RT: 12.683 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:216 Resp: 132854

Ion	Ratio	Lower	Upper
216	100		
214	77.1	61.7	92.5
179	22.4	17.9	26.9
108	19.9	15.9	23.9

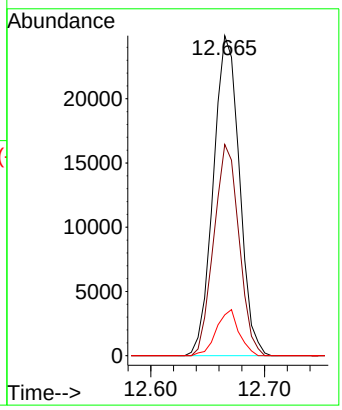




#41
Hexachlorocyclopentadiene
Concen: 43.464 ng
RT: 12.665 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:237 Resp: 3960

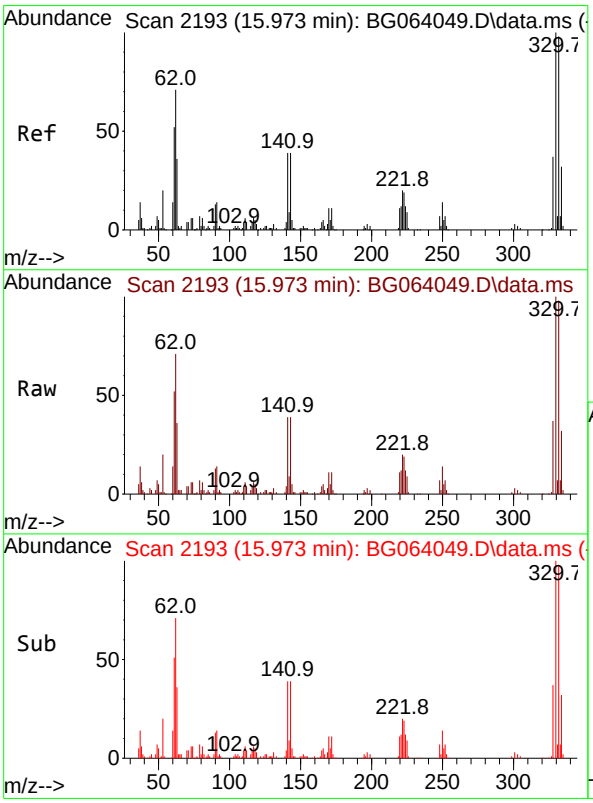
Ion	Ratio	Lower	Upper
237	100		
235	66.0	46.0	86.0
272	12.8	0.0	32.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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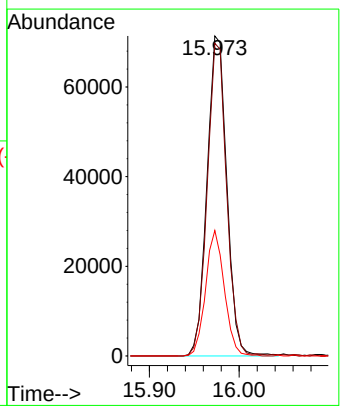
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

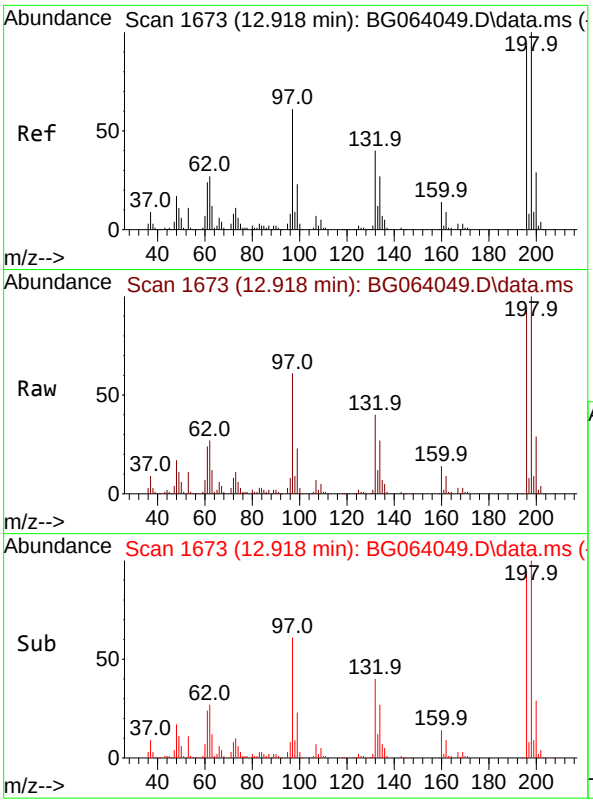


#42
2,4,6-Tribromophenol
Concen: 86.616 ng
RT: 15.973 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:330 Resp: 109187

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.7	115.1
141	37.1	29.7	44.5

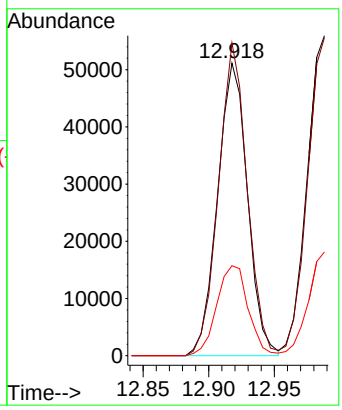




#43
2,4,6-Trichlorophenol
Concen: 42.524 ng
RT: 12.918 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:196 Resp: 8114

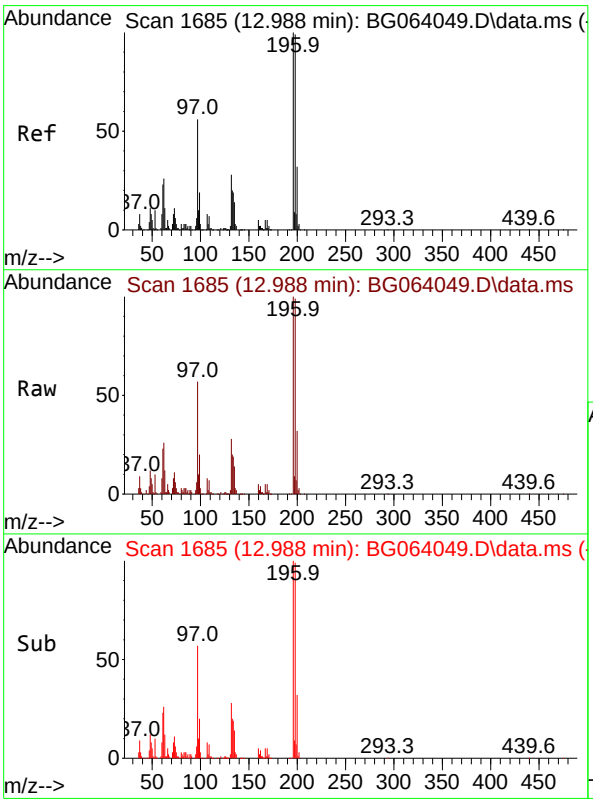
Ion	Ratio	Lower	Upper
196	100		
198	107.0	85.6	128.4
200	30.8	24.6	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

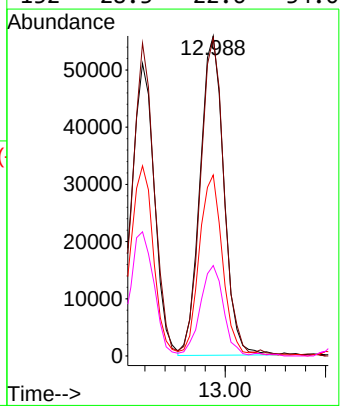
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

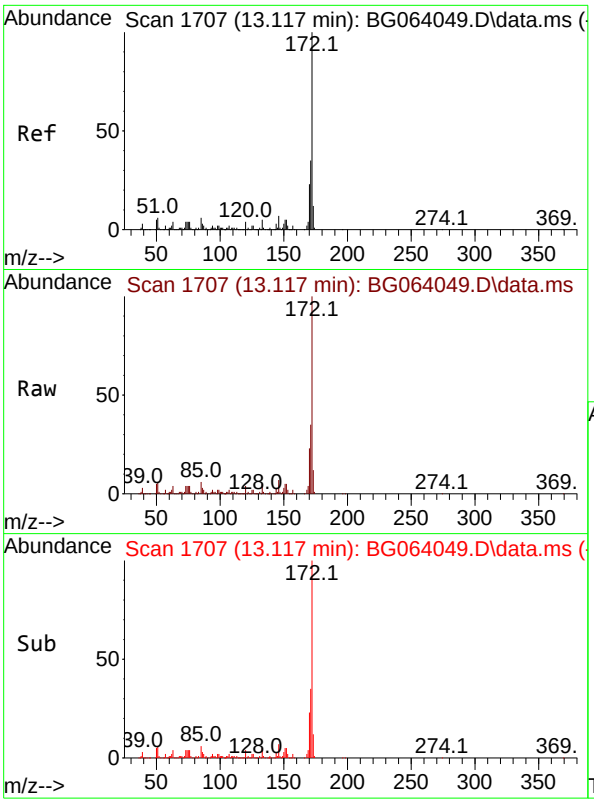


#44
2,4,5-Trichlorophenol
Concen: 43.449 ng
RT: 12.988 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:196 Resp: 92122

Ion	Ratio	Lower	Upper
196	100		
198	99.4	79.5	119.3
97	56.5	45.2	67.8
132	28.3	22.6	34.0

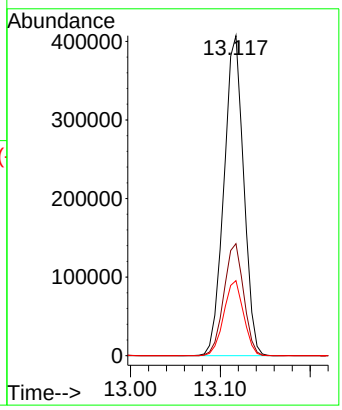




#45
2-Fluorobiphenyl
Concen: 83.029 ng
RT: 13.117 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:172 Resp: 62033

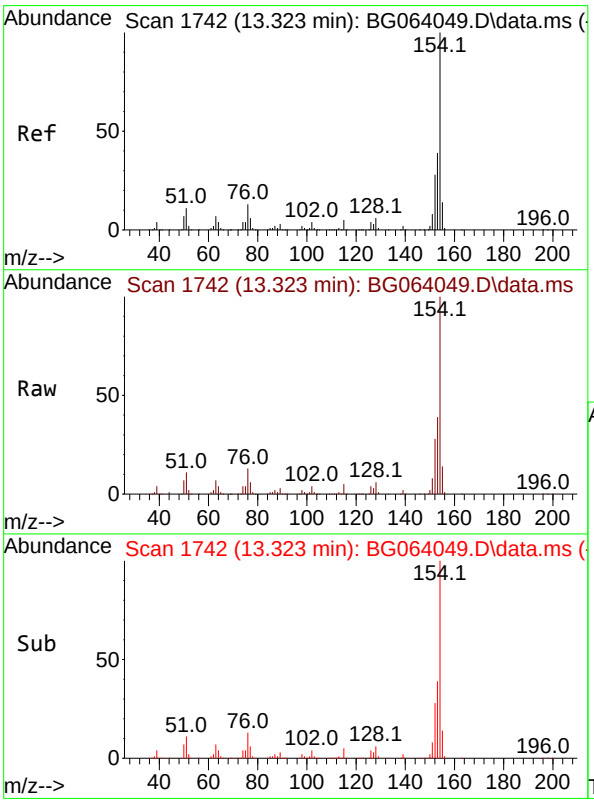
Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.0	42.0
170	23.4	18.7	28.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

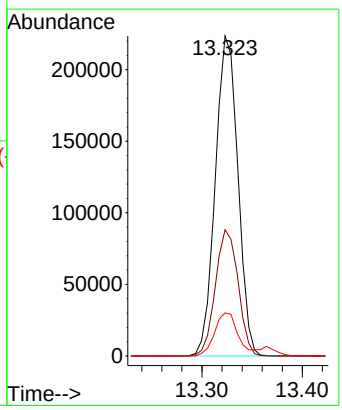
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

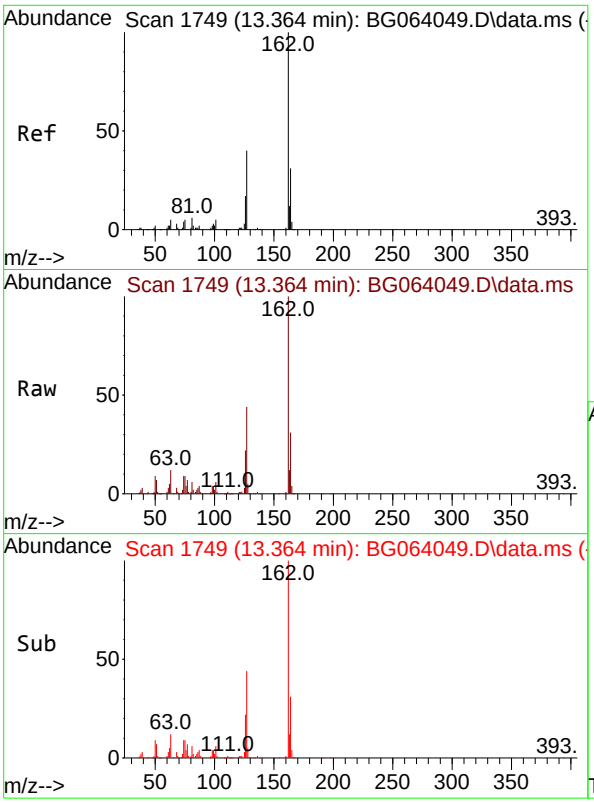


#46
1,1'-Biphenyl
Concen: 40.719 ng
RT: 13.323 min Scan# 1742
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:154 Resp: 348881

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.5	59.5
76	13.5	0.0	33.5

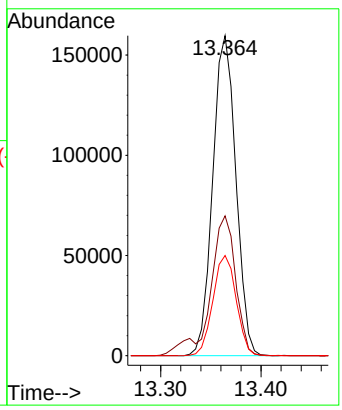




#47
2-Chloronaphthalene
Concen: 40.894 ng
RT: 13.364 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:162 Resp: 25554

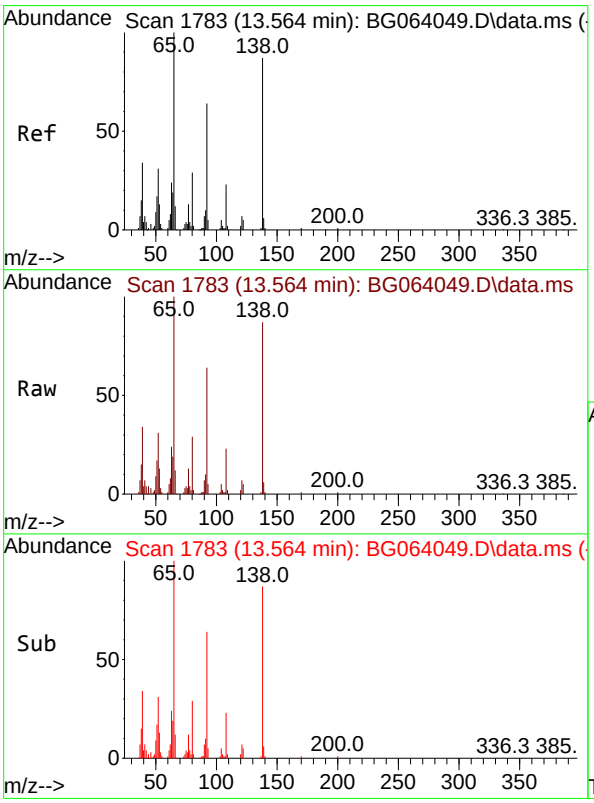
Ion	Ratio	Lower	Upper
162	100		
127	43.7	35.0	52.4
164	31.3	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

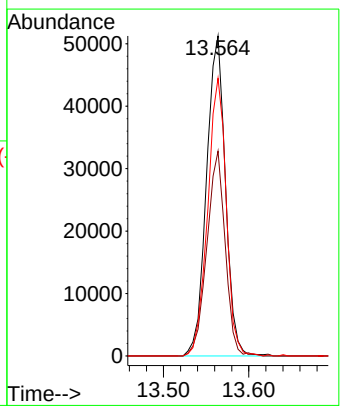
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

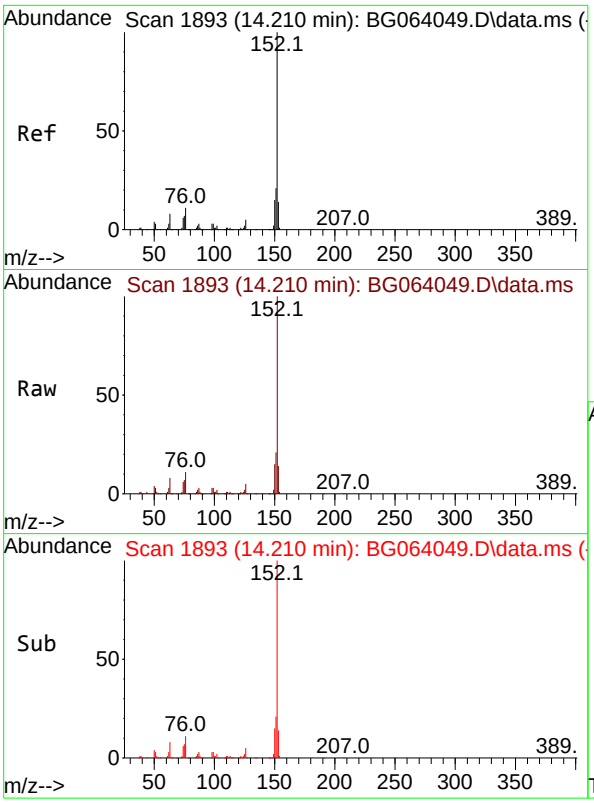


#48
2-Nitroaniline
Concen: 39.603 ng
RT: 13.564 min Scan# 1783
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 65 Resp: 78919

Ion	Ratio	Lower	Upper
65	100		
92	64.0	51.2	76.8
138	86.8	69.4	104.2

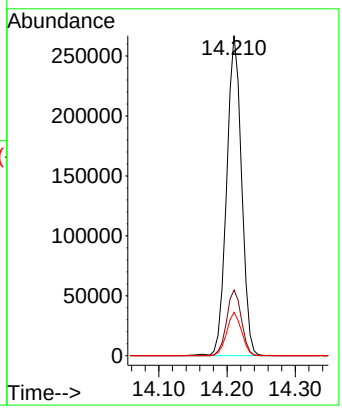




#49
Acenaphthylene
Concen: 41.052 ng
RT: 14.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:152 Resp: 40575

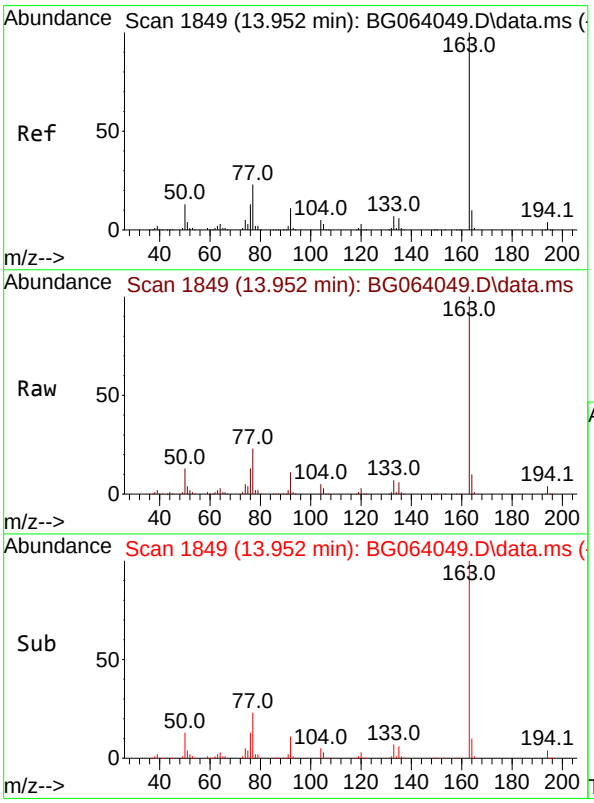
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6
153	13.6	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

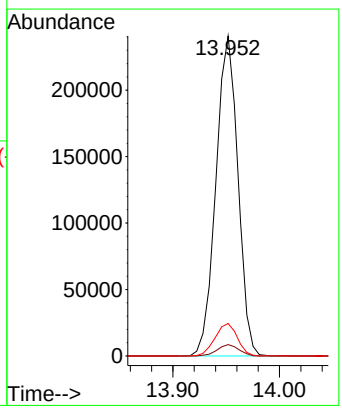
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

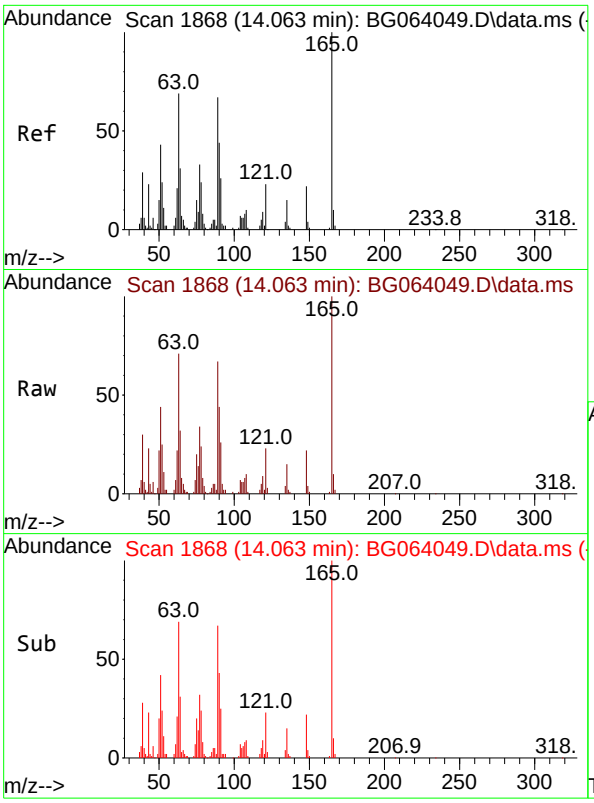


#50
Dimethylphthalate
Concen: 41.187 ng
RT: 13.952 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:163 Resp: 344791

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	10.2	8.2	12.2

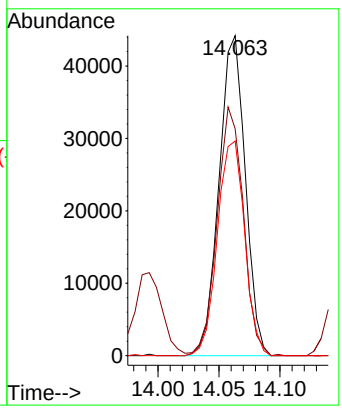




#51
2,6-Dinitrotoluene
Concen: 39.610 ng
RT: 14.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:165 Resp: 6620

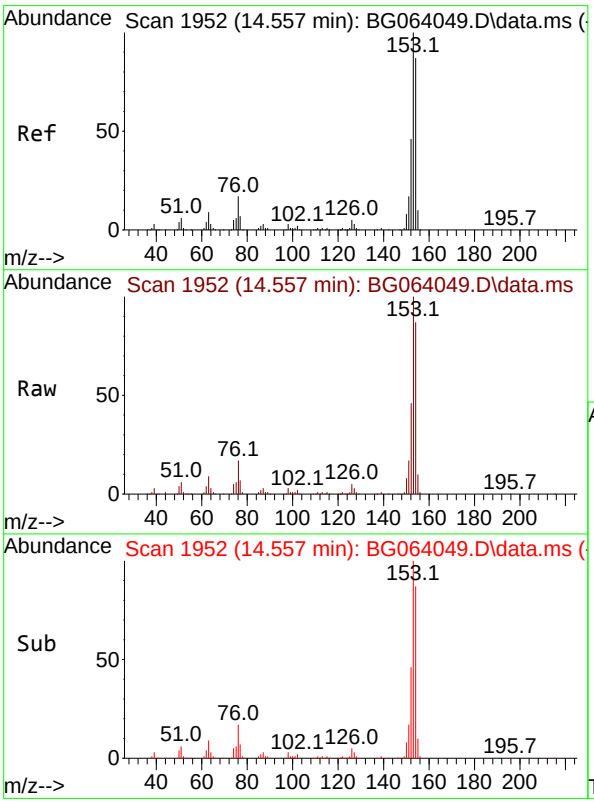
Ion	Ratio	Lower	Upper
165	100		
63	70.9	56.7	85.1
89	67.1	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

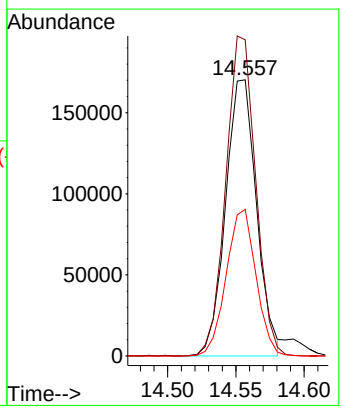
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

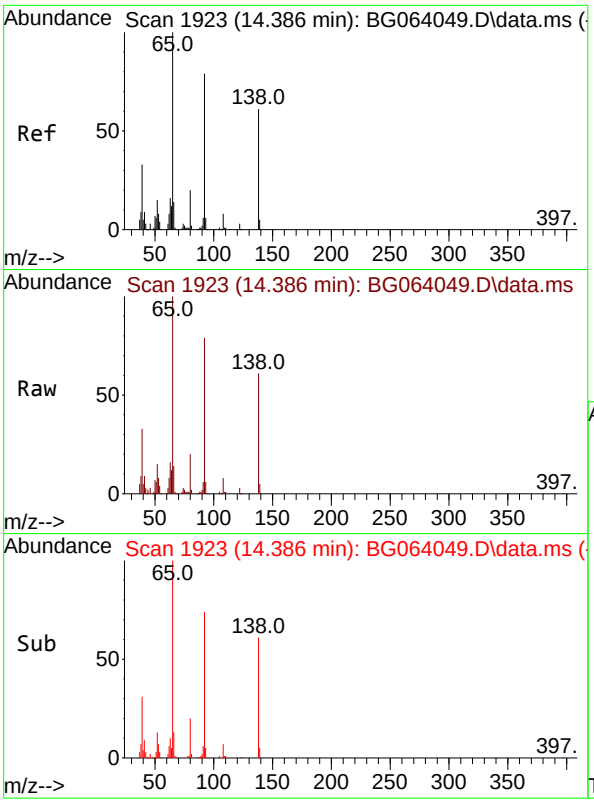


#52
Acenaphthene
Concen: 40.492 ng m
RT: 14.557 min Scan# 1952
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:154 Resp: 269147

Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.6	137.4
152	53.1	42.5	63.7

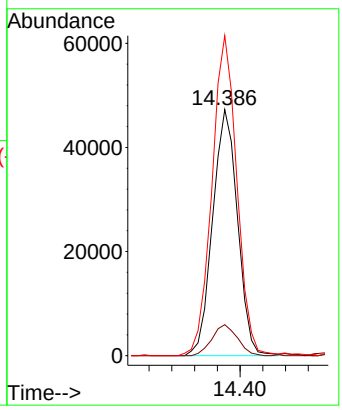




#53
3-Nitroaniline
Concen: 44.330 ng
RT: 14.386 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:138 Resp: 7172

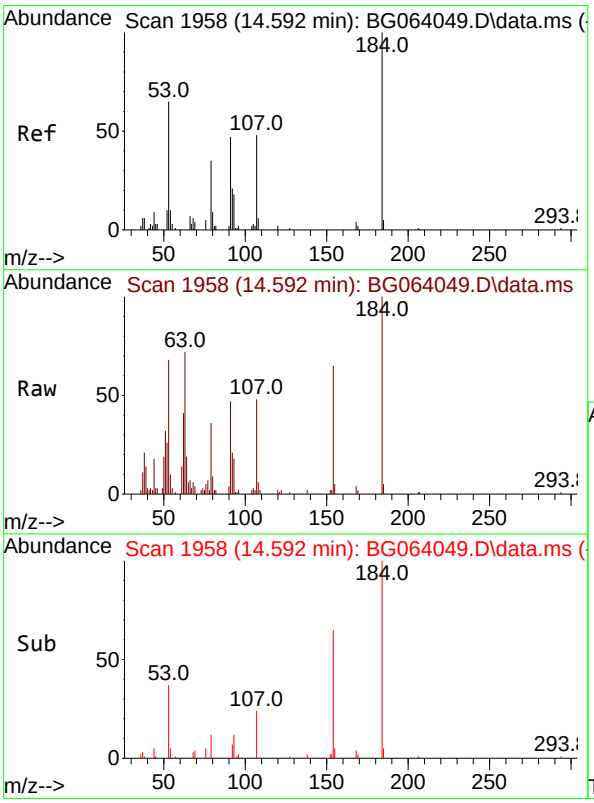
Ion	Ratio	Lower	Upper
138	100		
108	12.6	10.1	15.1
92	130.1	104.1	156.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

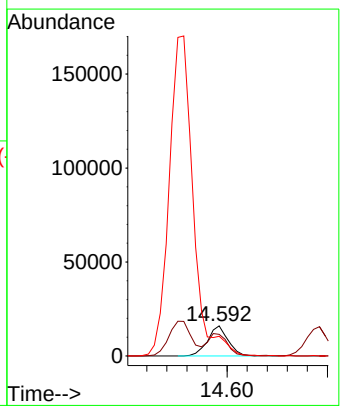
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

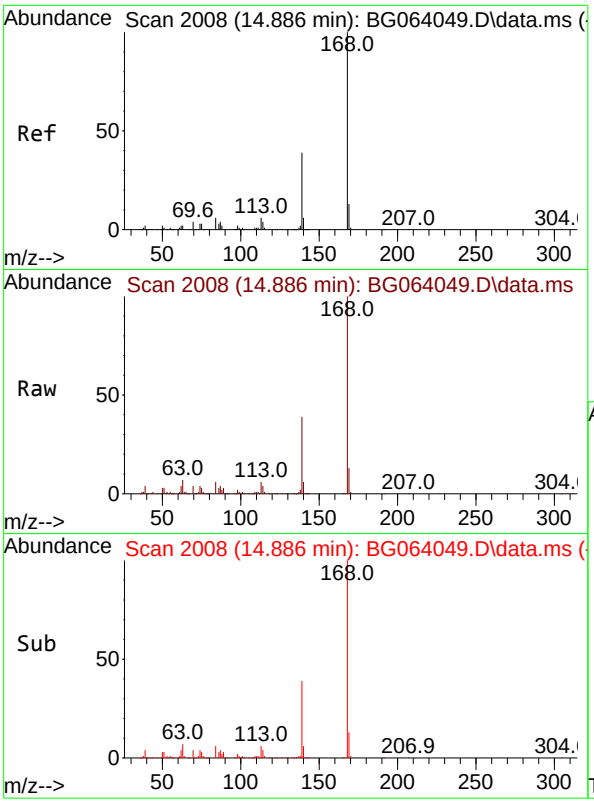


#54
2,4-Dinitrophenol
Concen: 36.881 ng
RT: 14.592 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:184 Resp: 22778

Ion	Ratio	Lower	Upper
184	100		
63	71.9	57.5	86.3
154	65.4	52.3	78.5

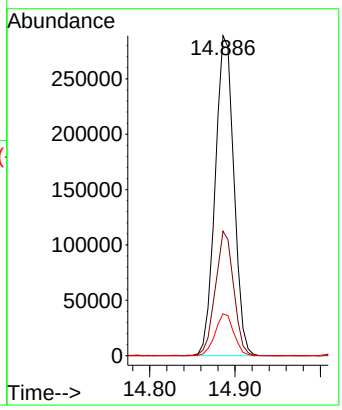




#55
Dibenzofuran
Concen: 40.970 ng
RT: 14.886 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:168 Resp: 44025

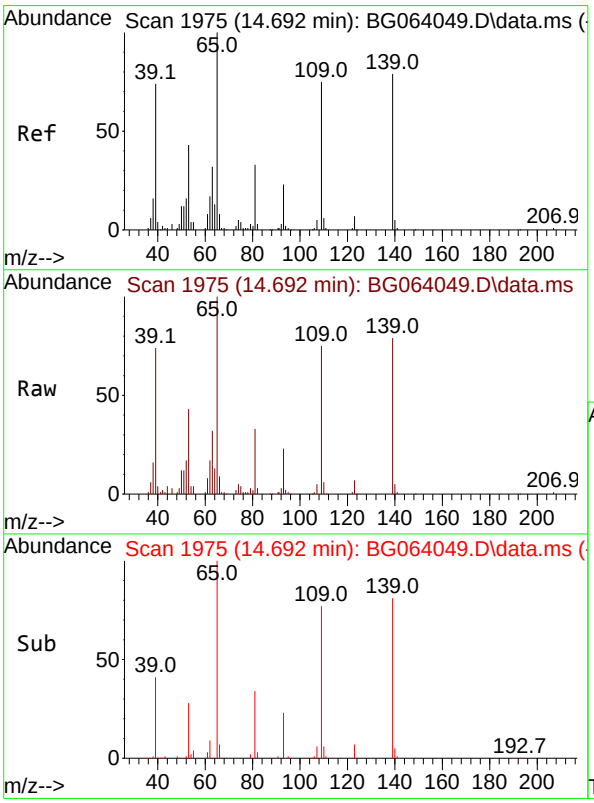
Ion	Ratio	Lower	Upper
168	100		
139	38.9	31.1	46.7
169	13.1	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

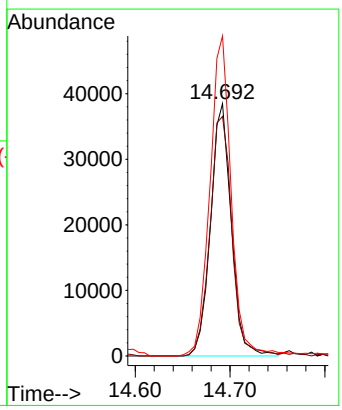
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

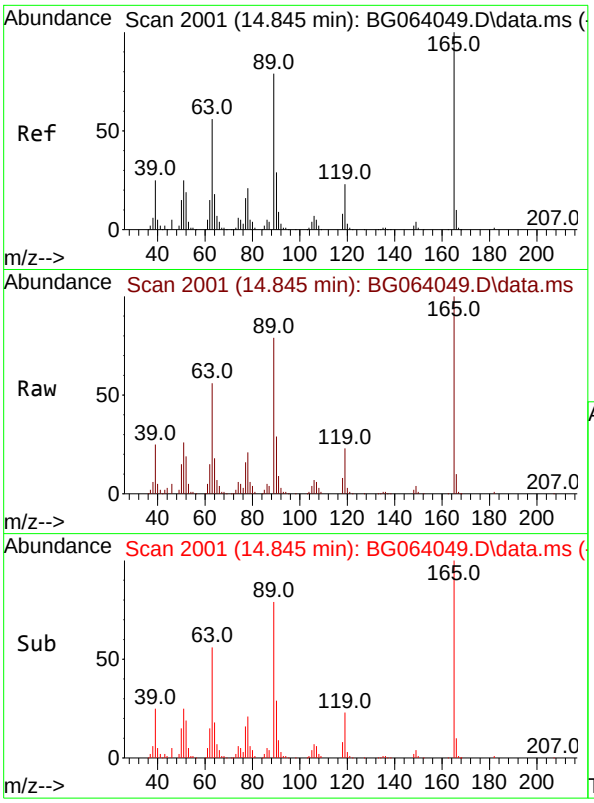


#56
4-Nitrophenol
Concen: 42.977 ng
RT: 14.692 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:139 Resp: 58316

Ion	Ratio	Lower	Upper
139	100		
109	94.9	74.9	114.9
65	126.8	106.8	146.8

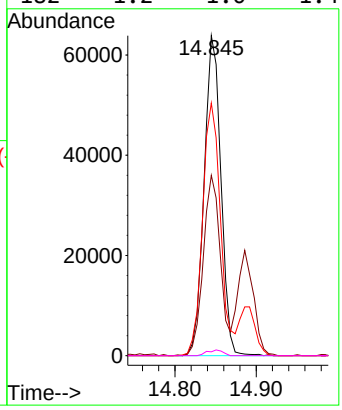




#57
2,4-Dinitrotoluene
Concen: 39.789 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:165 Resp: 9165

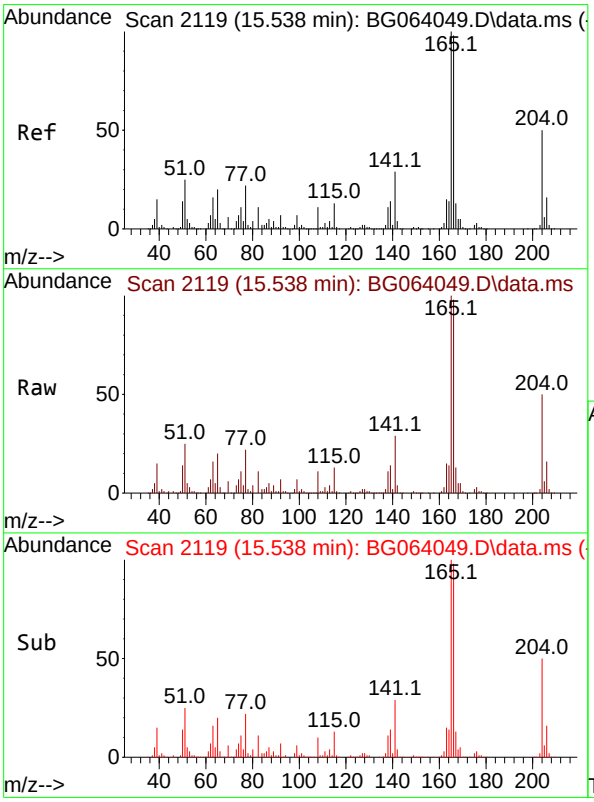
Ion	Ratio	Lower	Upper
165	100		
63	56.3	45.0	67.6
89	78.9	63.1	94.7
182	1.2	1.0	1.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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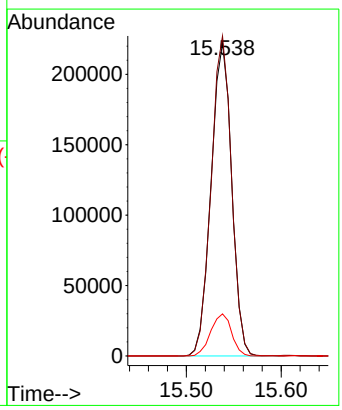
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

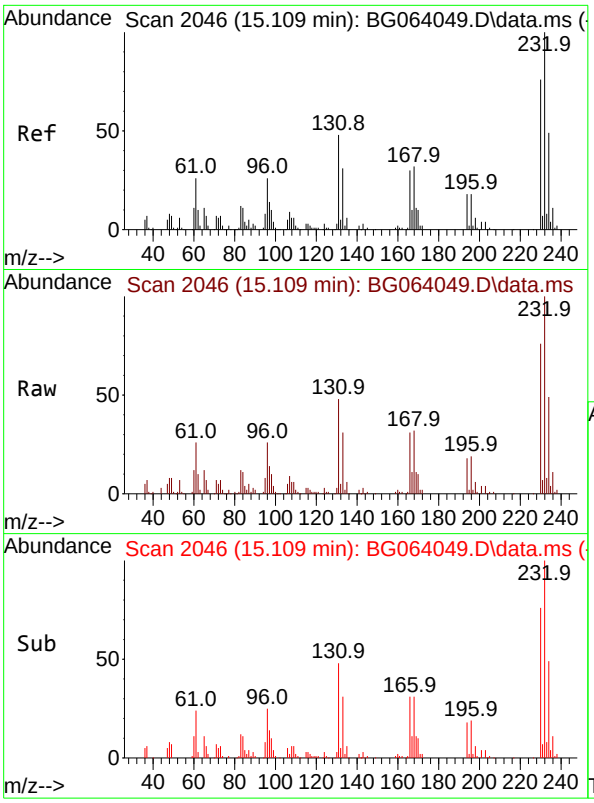


#58
Fluorene
Concen: 40.055 ng
RT: 15.538 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:166 Resp: 335238

Ion	Ratio	Lower	Upper
166	100		
165	102.3	81.8	122.8
167	13.5	10.8	16.2

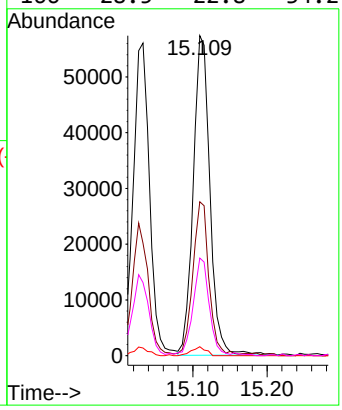




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.345 ng
RT: 15.109 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:232 Resp: 8959

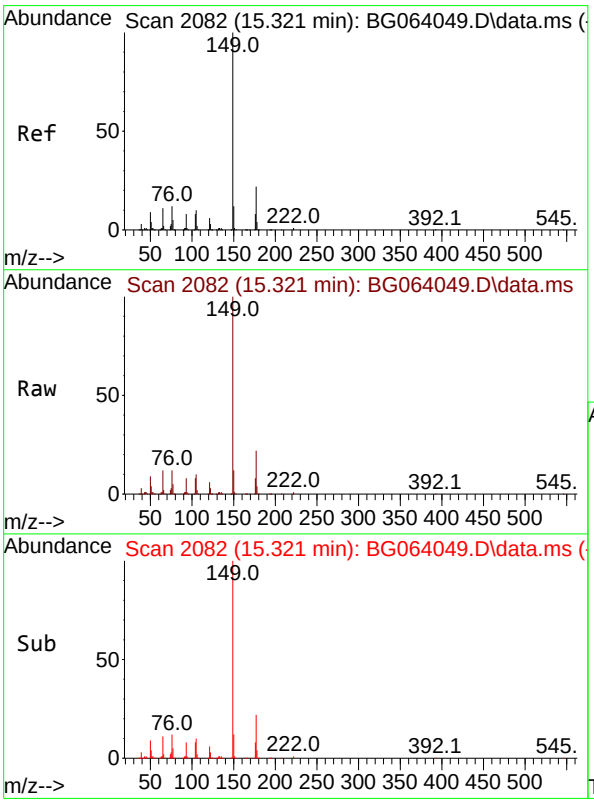
Ion	Ratio	Lower	Upper
232	100		
131	45.4	36.3	54.5
130	2.4	1.9	2.9
166	28.5	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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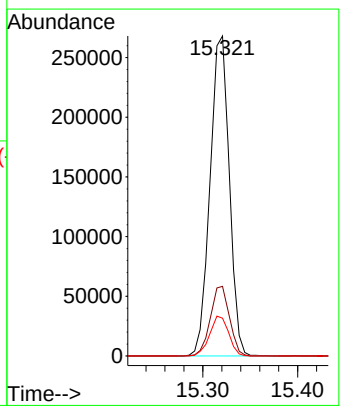
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

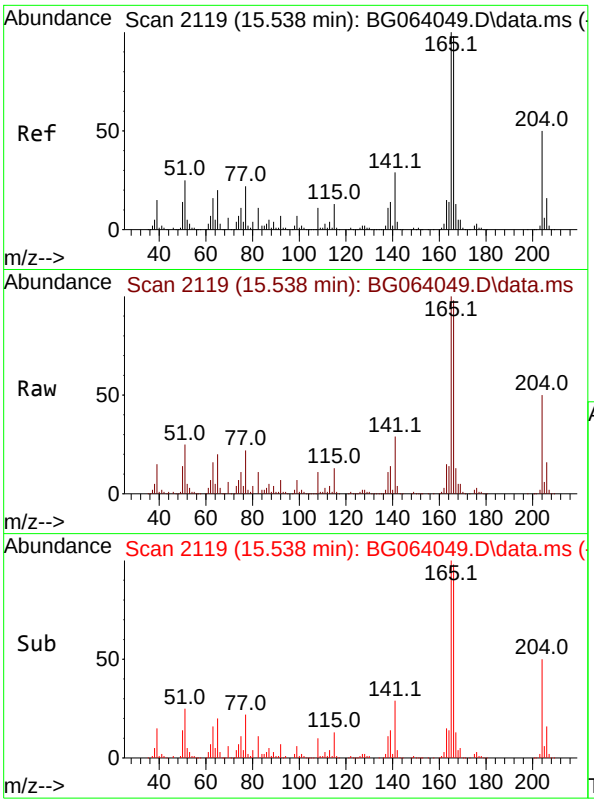


#60
Diethylphthalate
Concen: 41.645 ng
RT: 15.321 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:149 Resp: 378464

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	11.8	9.4	14.2





#61
4-Chlorophenyl-phenylether
Concen: 40.061 ng
RT: 15.538 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

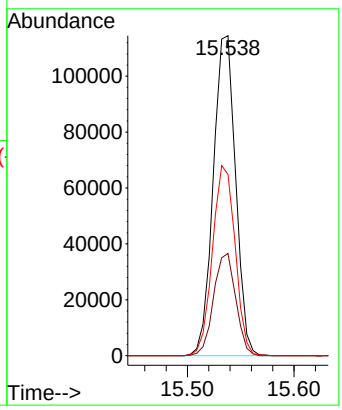
Tgt Ion:204 Resp: 16661

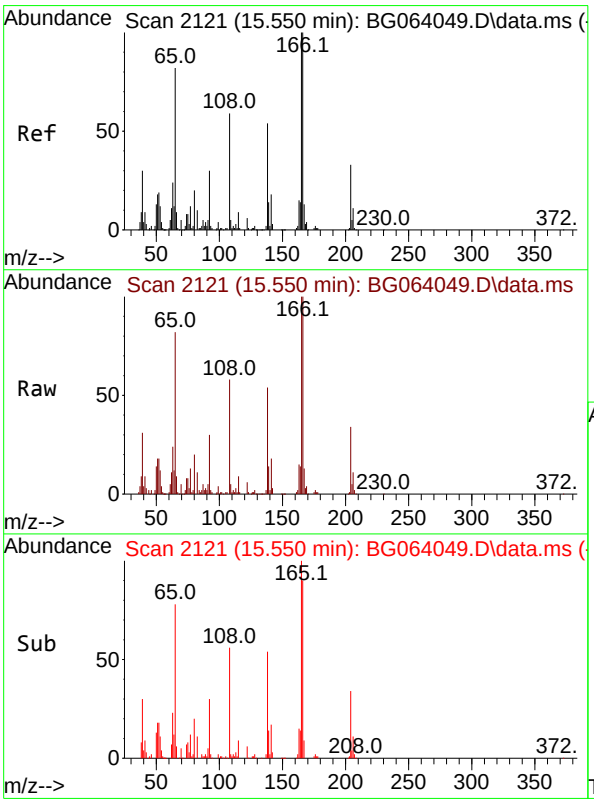
Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.5	38.3
141	56.7	45.4	68.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

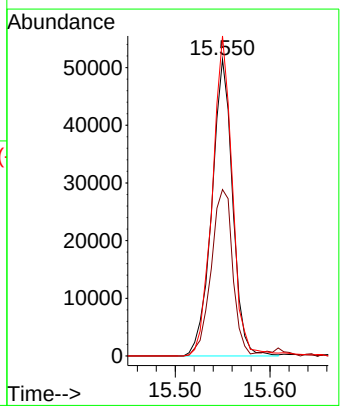


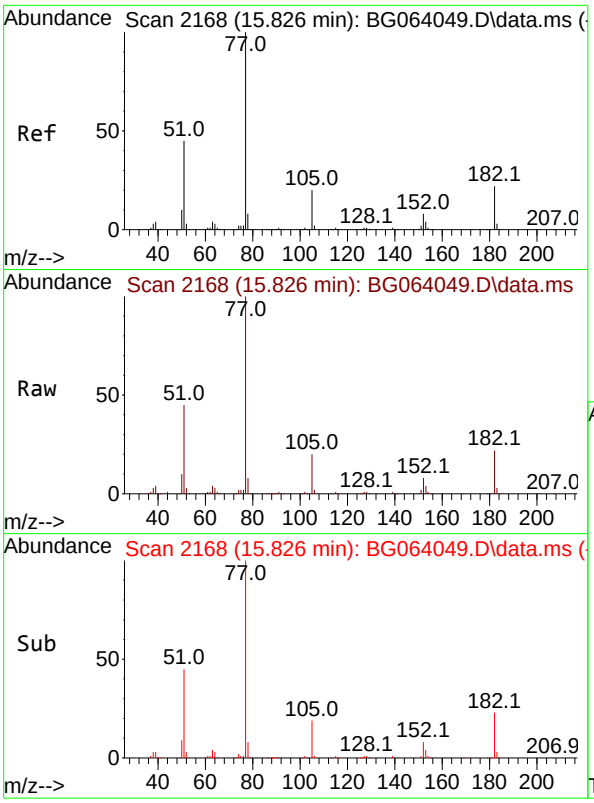


#62
4-Nitroaniline
Concen: 44.838 ng
RT: 15.550 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:138 Resp: 78323

Ion	Ratio	Lower	Upper
138	100		
92	56.1	36.1	76.1
108	107.9	87.9	127.9

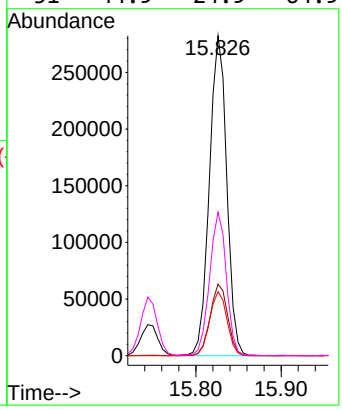




#63
Azobenzene
Concen: 41.125 ng
RT: 15.826 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 77 Resp: 39881

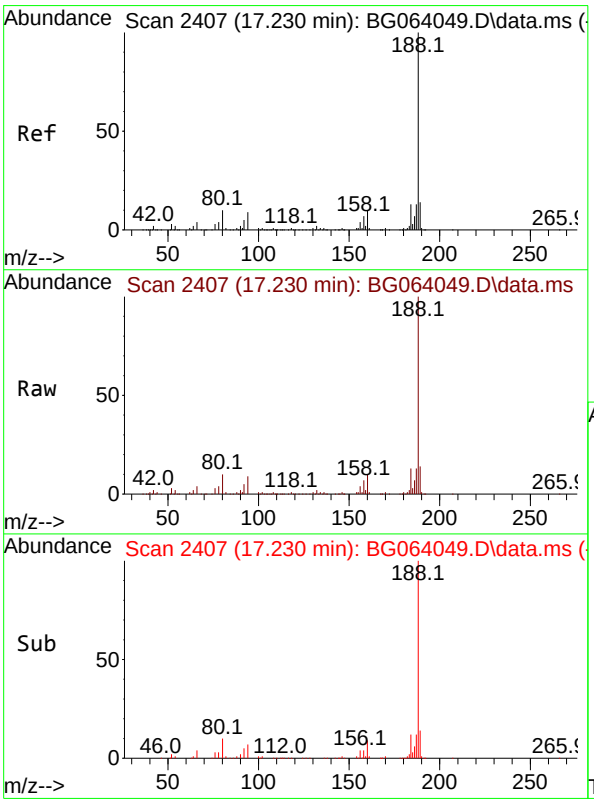
Ion	Ratio	Lower	Upper
77	100		
182	22.4	2.4	42.4
105	20.0	0.0	40.0
51	44.9	24.9	64.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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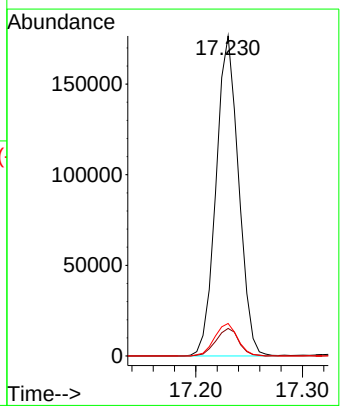
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

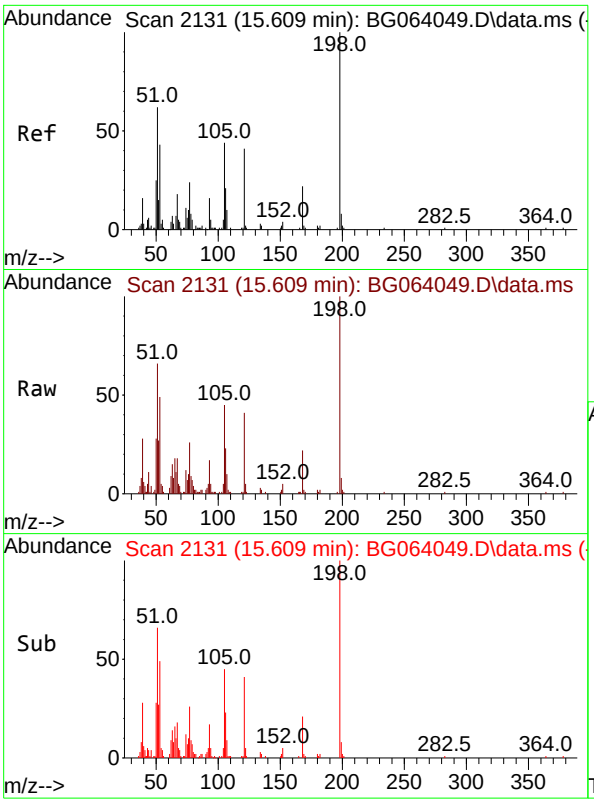


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.230 min Scan# 2407
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:188 Resp: 259291

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	10.1	8.1	12.1





#65
4,6-Dinitro-2-methylphenol
Concen: 36.802 ng
RT: 15.609 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

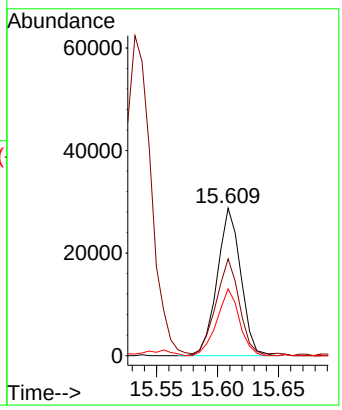
Tgt Ion:198 Resp: 3864

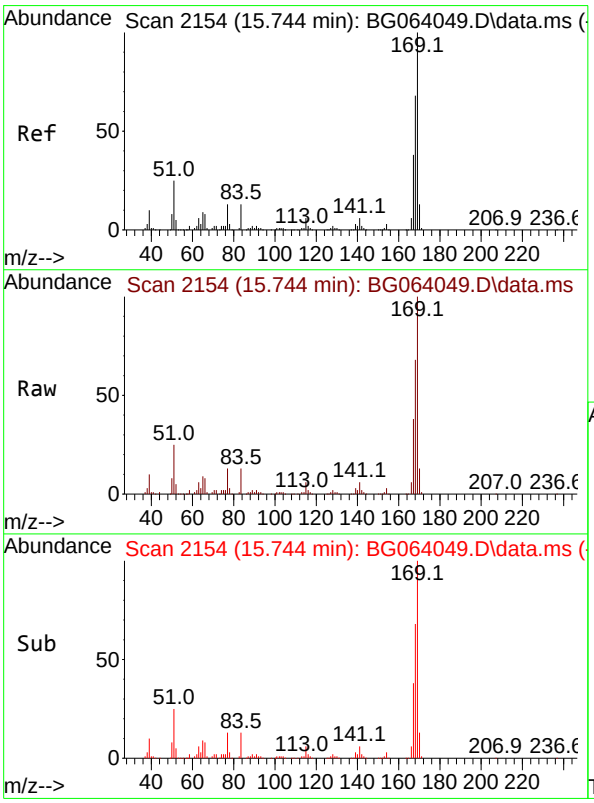
Ion	Ratio	Lower	Upper
198	100		
51	65.6	45.6	85.6
105	45.3	25.3	65.3

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

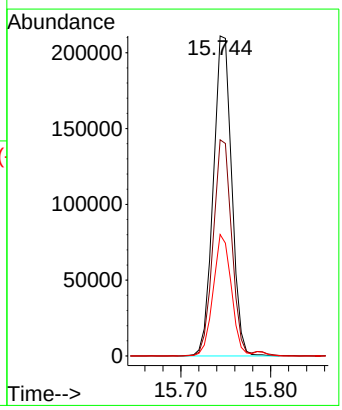


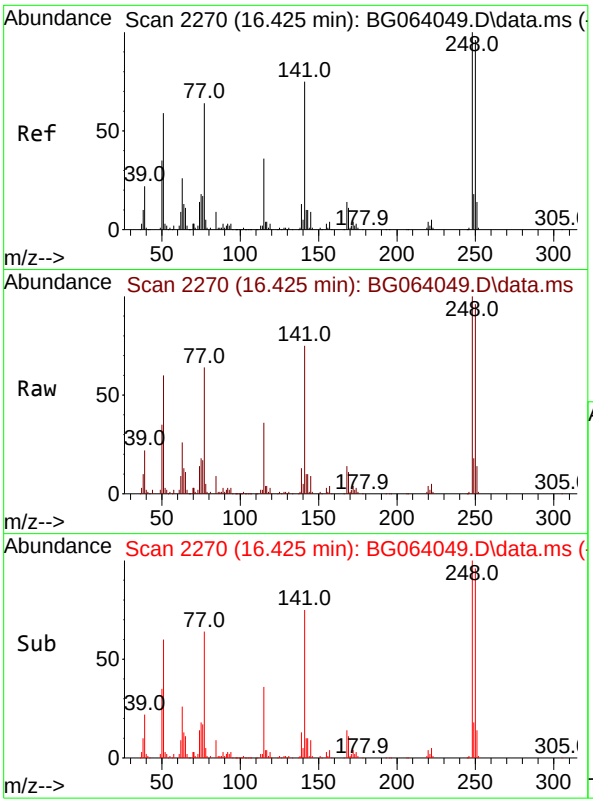


#66
n-Nitrosodiphenylamine
Concen: 40.872 ng
RT: 15.744 min Scan# 2154
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:169 Resp: 299980

Ion	Ratio	Lower	Upper
169	100		
168	67.6	54.1	81.1
167	37.9	30.3	45.5

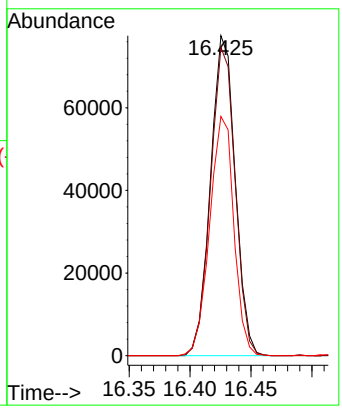




#67
4-Bromophenyl-phenylether
Concen: 41.081 ng
RT: 16.425 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:248 Resp: 10909

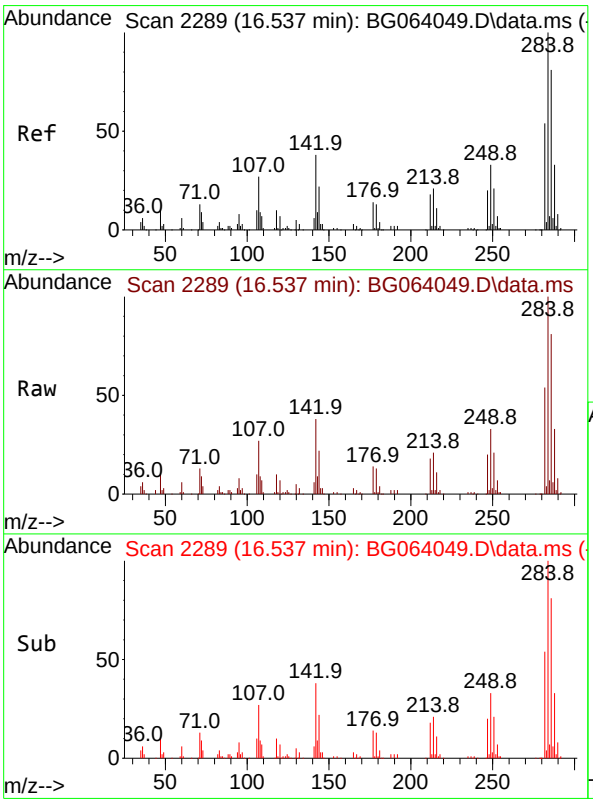
Ion	Ratio	Lower	Upper
248	100		
250	96.4	77.1	115.7
141	74.8	59.8	89.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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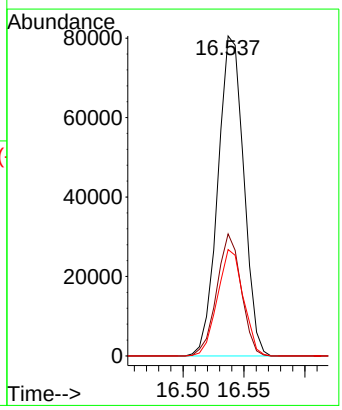
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

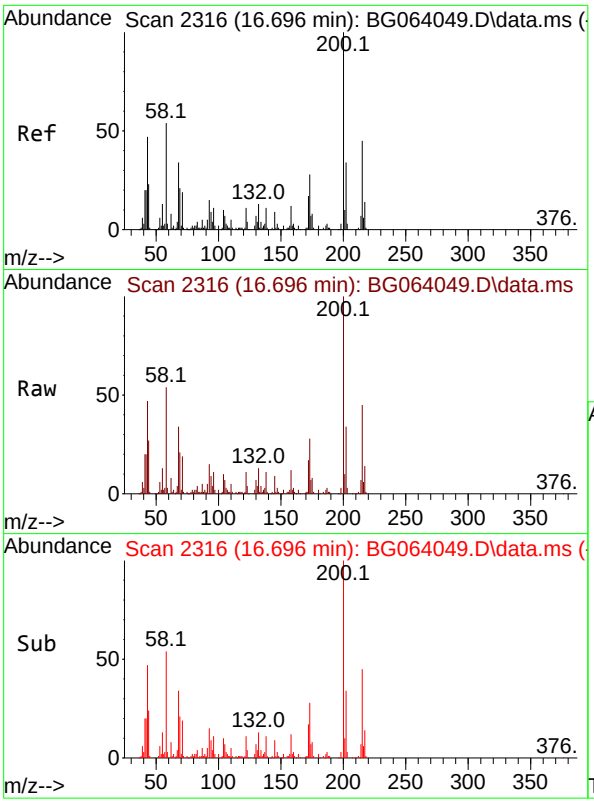


#68
Hexachlorobenzene
Concen: 39.954 ng
RT: 16.537 min Scan# 2289
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:284 Resp: 118787

Ion	Ratio	Lower	Upper
284	100		
142	38.2	30.6	45.8
249	33.2	26.6	39.8

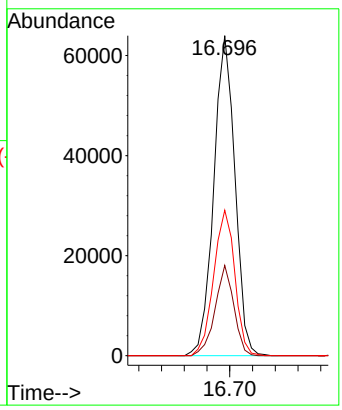




#69
Atrazine
Concen: 38.309 ng
RT: 16.696 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:200 Resp: 8272

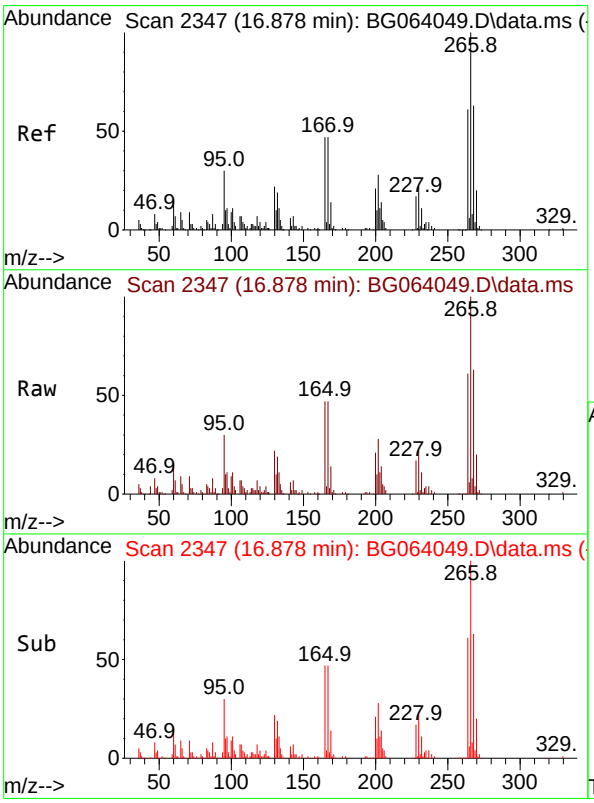
Ion	Ratio	Lower	Upper
200	100		
173	28.2	8.2	48.2
215	45.5	25.5	65.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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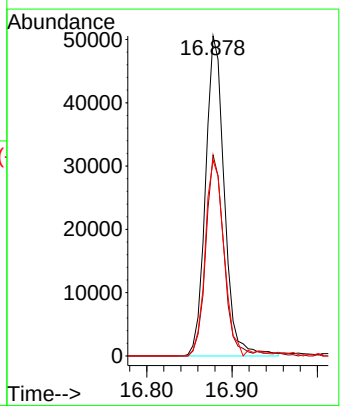
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

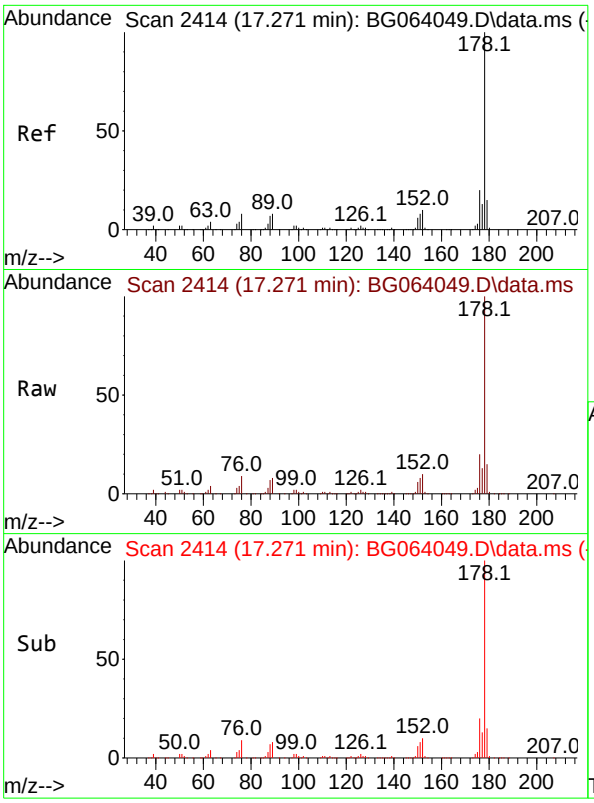


#70
Pentachlorophenol
Concen: 41.856 ng
RT: 16.878 min Scan# 2347
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:266 Resp: 77264

Ion	Ratio	Lower	Upper
266	100		
268	62.8	50.2	75.4
264	61.1	48.9	73.3

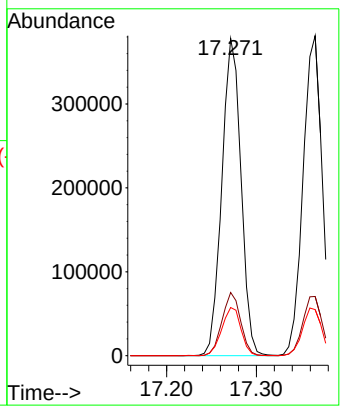




#71
Phenanthrene
Concen: 40.505 ng
RT: 17.271 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:178 Resp: 56018

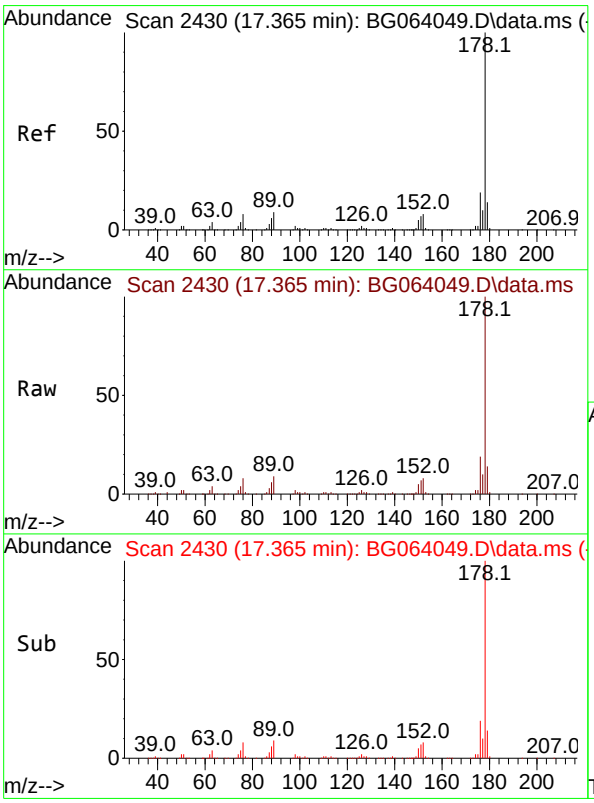
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	15.2	12.2	18.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

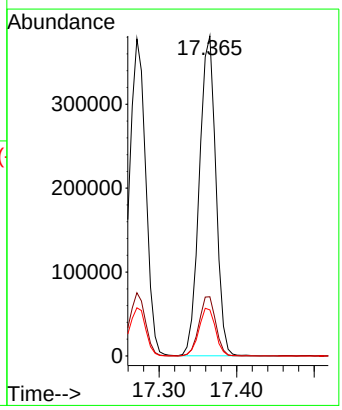
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

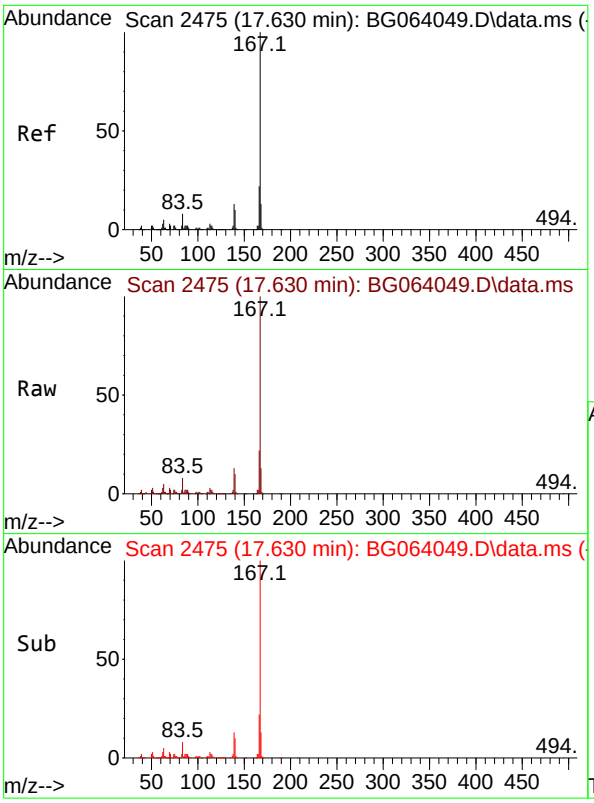


#72
Anthracene
Concen: 40.932 ng
RT: 17.365 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:178 Resp: 562891

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	14.4	11.5	17.3

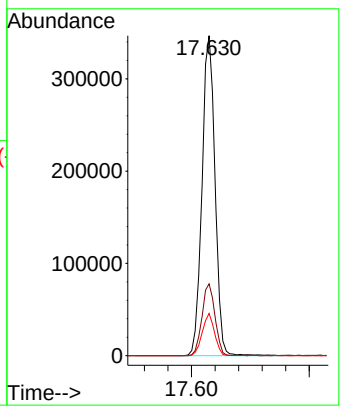




#73
Carbazole
Concen: 41.470 ng
RT: 17.630 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:167 Resp: 53246

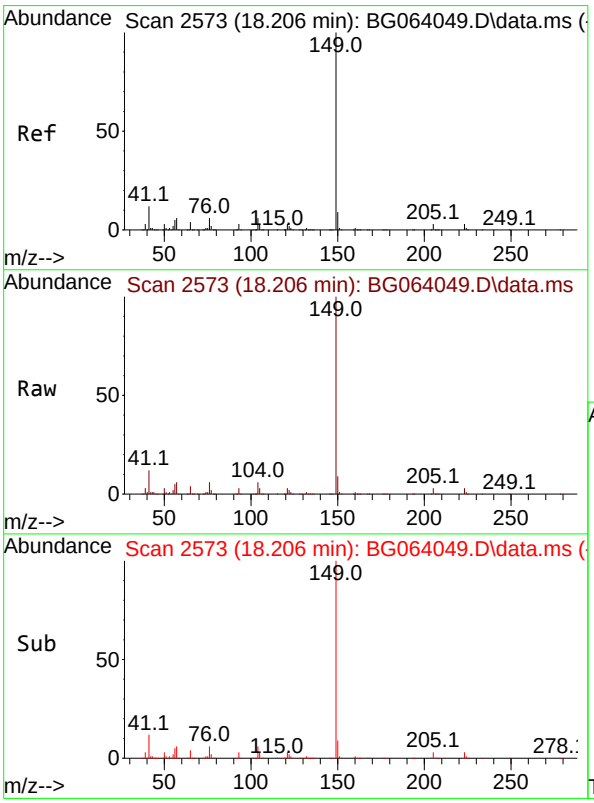
Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.0	27.0
139	13.2	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

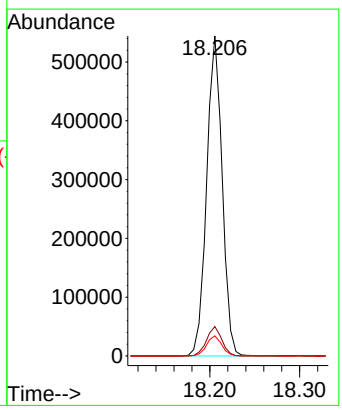
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

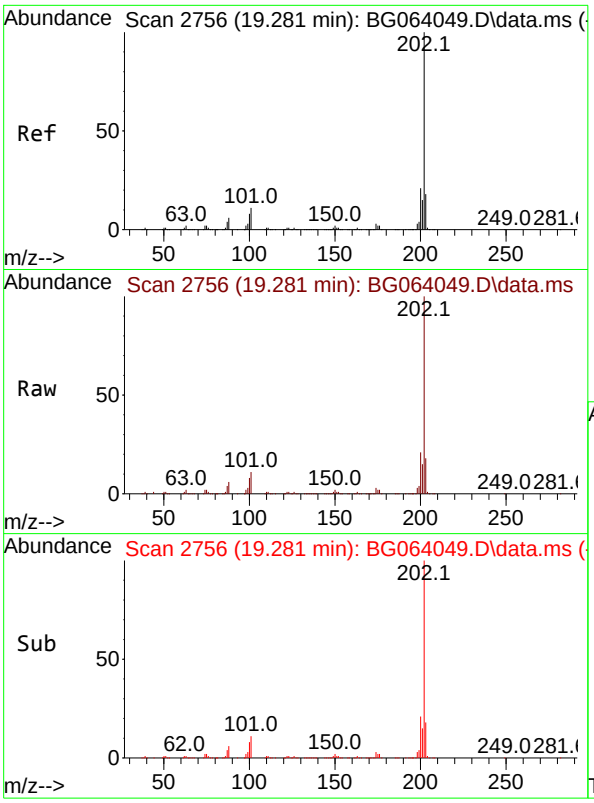


#74
Di-n-butylphthalate
Concen: 43.141 ng
RT: 18.206 min Scan# 2573
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:149 Resp: 652013

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	6.3	5.0	7.6

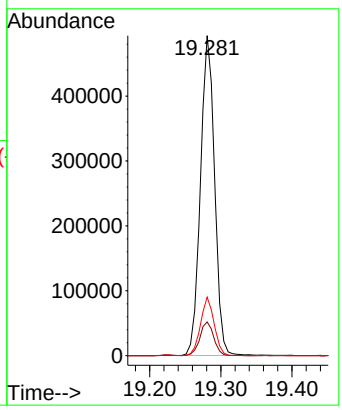




#75
Fluoranthene
Concen: 41.004 ng
RT: 19.281 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:202 Resp: 68366

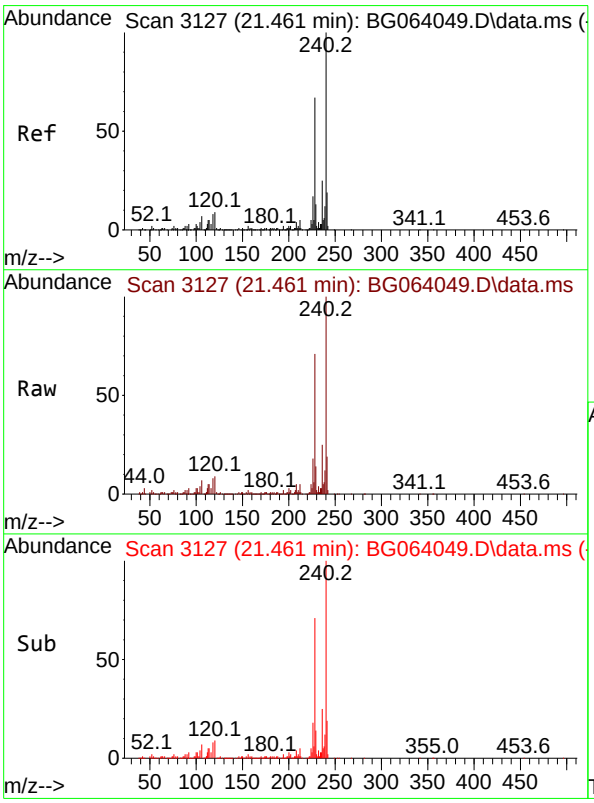
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.5
203	18.3	0.0	38.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

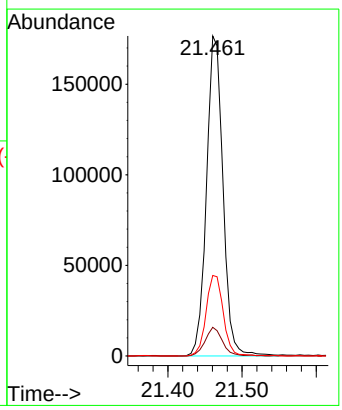
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

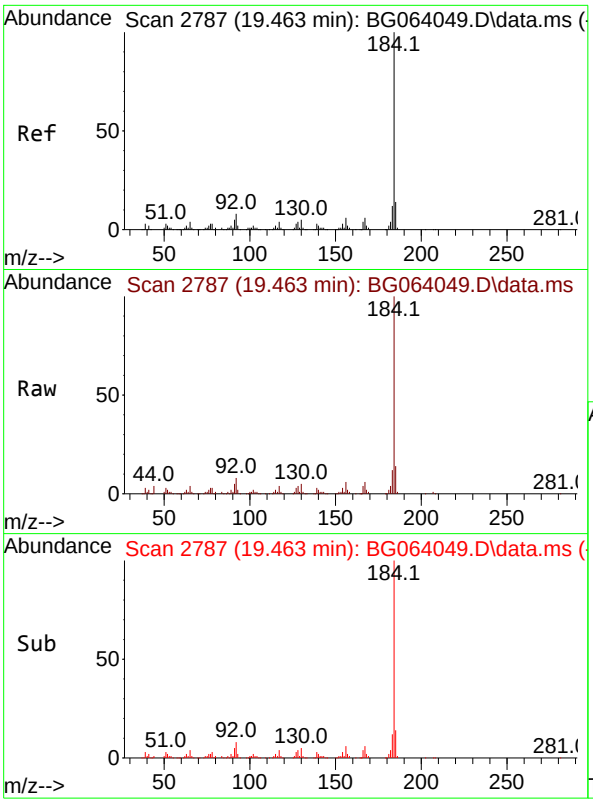


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.461 min Scan# 3127
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:240 Resp: 272676

Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.2	10.8
236	25.2	20.2	30.2

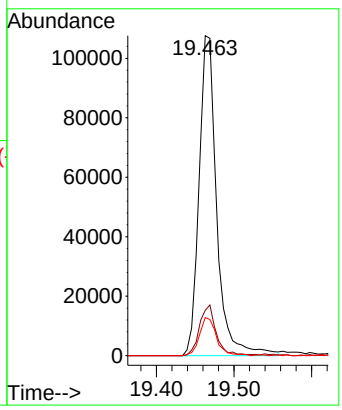




#77
Benzidine
Concen: 44.641 ng
RT: 19.463 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:184 Resp: 17088

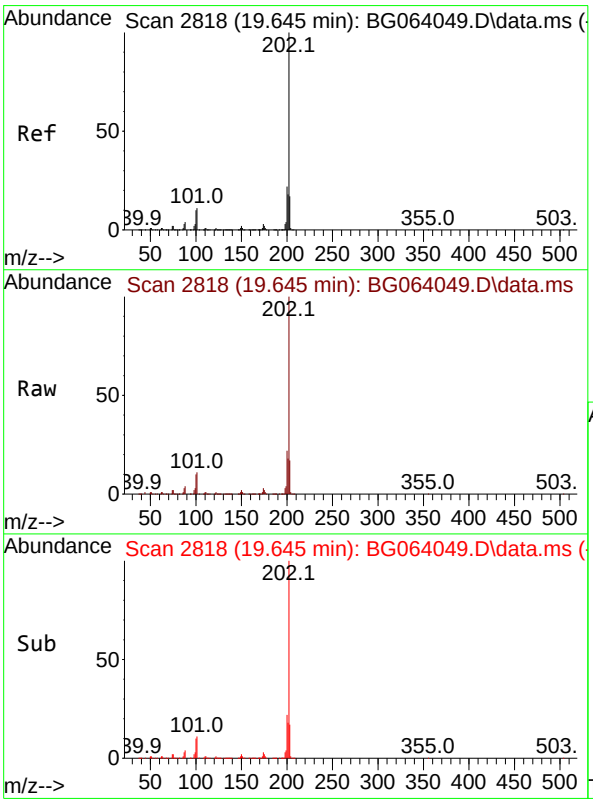
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	11.9	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

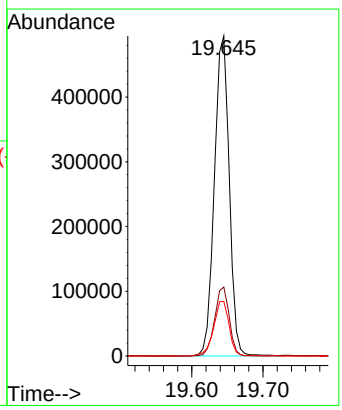
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

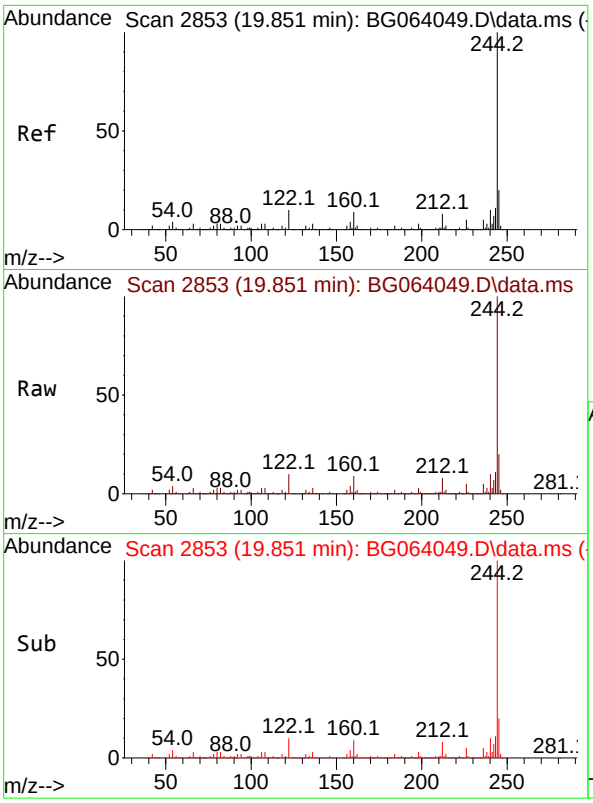


#78
Pyrene
Concen: 40.653 ng
RT: 19.645 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:202 Resp: 714571

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	17.0	13.6	20.4





#79
Terphenyl-d14
Concen: 80.801 ng
RT: 19.851 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

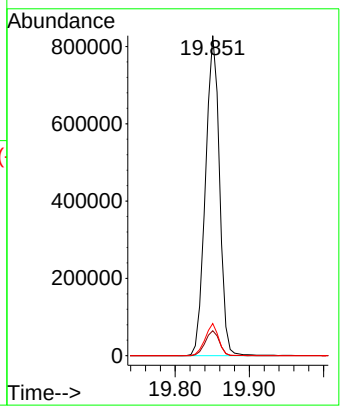
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

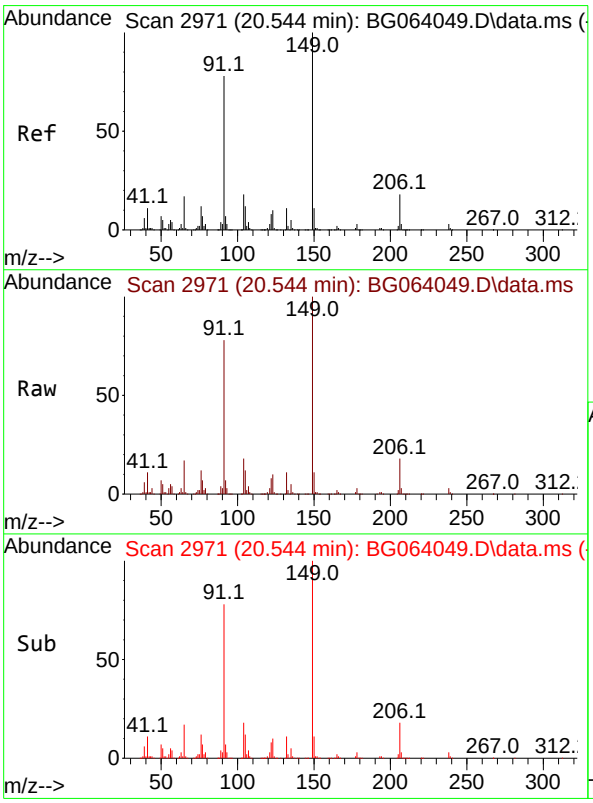
Tgt Ion:244 Resp: 108964

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.4
122	10.0	8.0	12.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

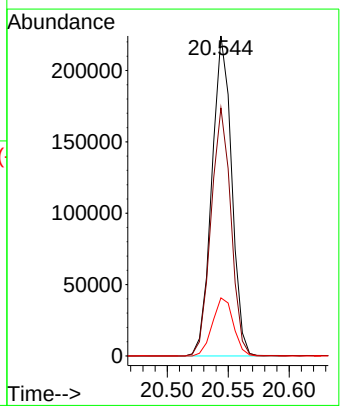


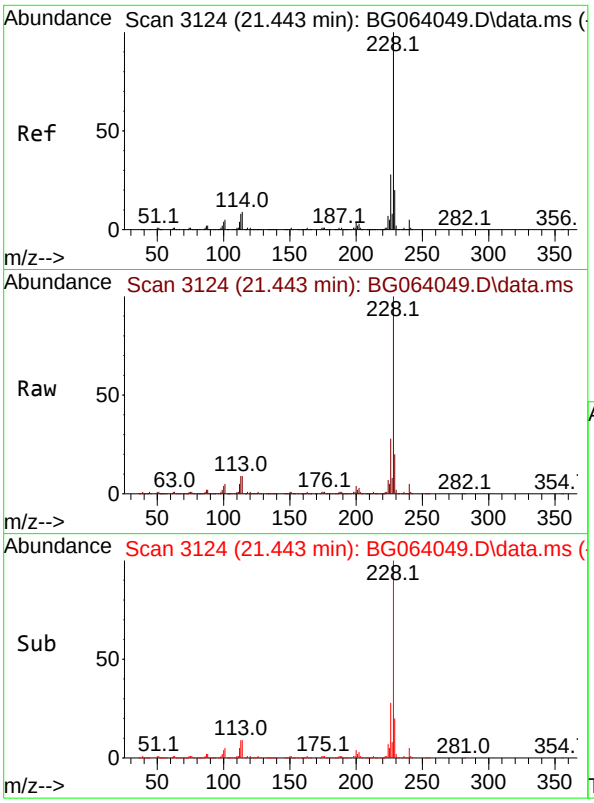


#80
Butylbenzylphthalate
Concen: 39.178 ng
RT: 20.544 min Scan# 2971
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:149 Resp: 253637

Ion	Ratio	Lower	Upper
149	100		
91	77.5	62.0	93.0
206	18.2	14.6	21.8





#81
Benzo(a)anthracene
Concen: 40.681 ng
RT: 21.443 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

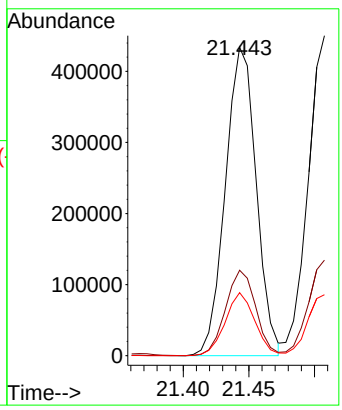
Tgt Ion:228 Resp: 71057

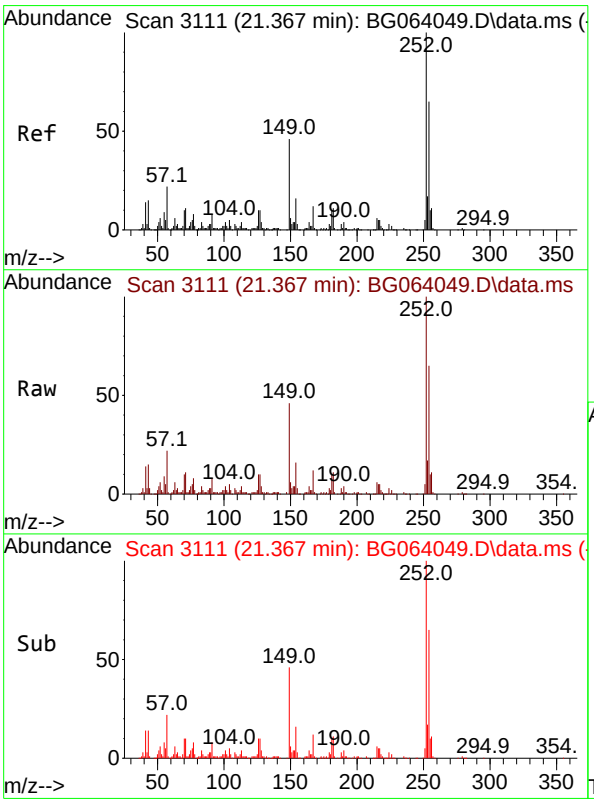
Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	20.5	16.4	24.6

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

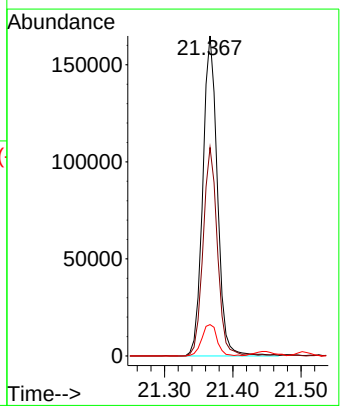


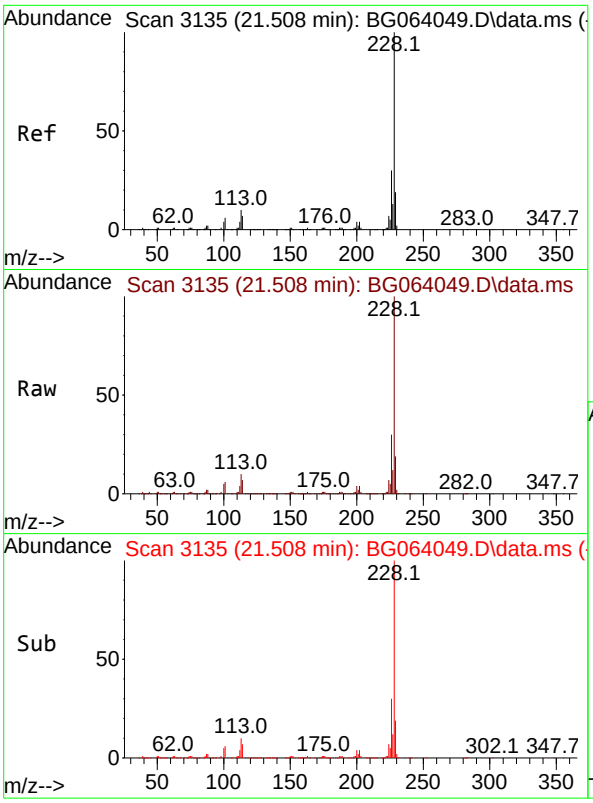


#82
3,3'-Dichlorobenzidine
Concen: 43.385 ng
RT: 21.367 min Scan# 3111
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:252 Resp: 245252

Ion	Ratio	Lower	Upper
252	100		
254	65.1	52.1	78.1
126	9.8	7.8	11.8

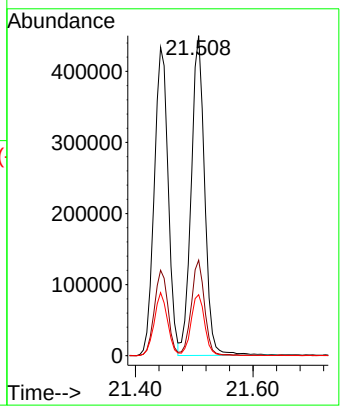




#83
Chrysene
Concen: 40.888 ng
RT: 21.508 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:228 Resp: 71231

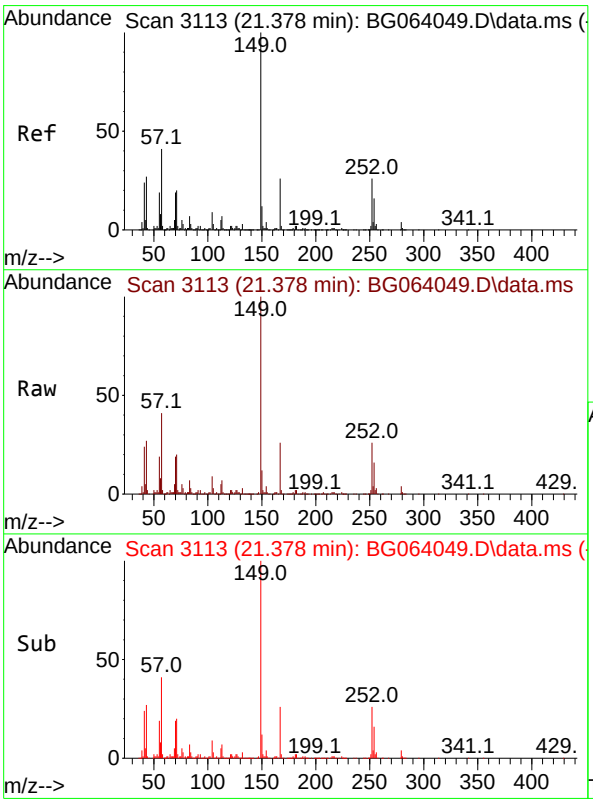
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.1	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

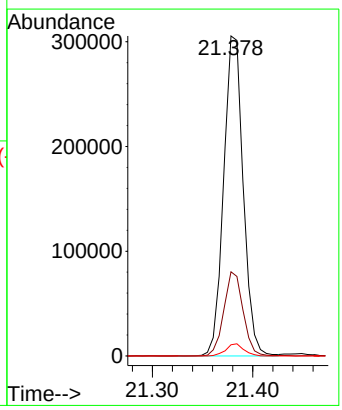
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

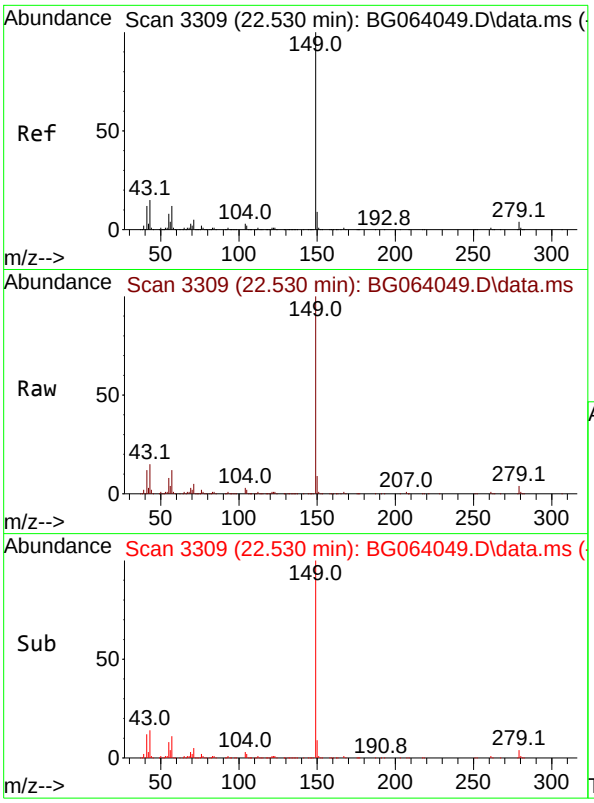


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.709 ng
RT: 21.378 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:149 Resp: 412893

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.0	31.6
279	3.5	2.8	4.2

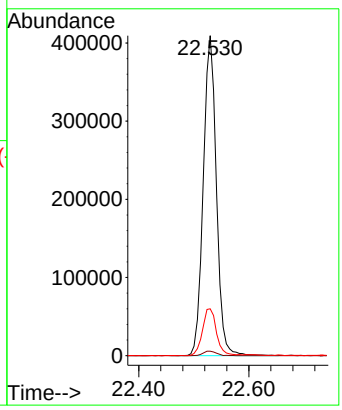




#85
Di-n-octyl phthalate
Concen: 41.459 ng
RT: 22.530 min Scan# 3
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:149 Resp: 67551

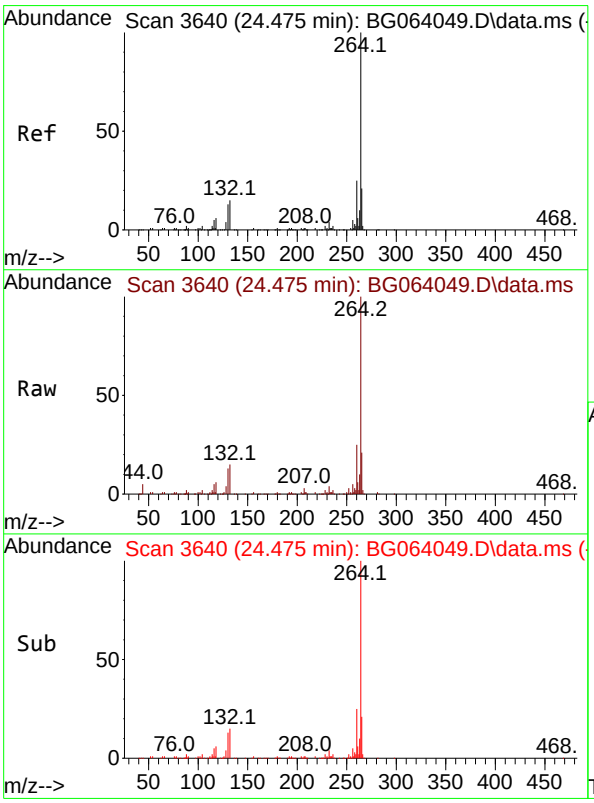
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	15.8	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

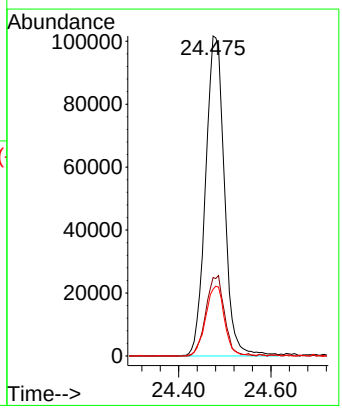
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

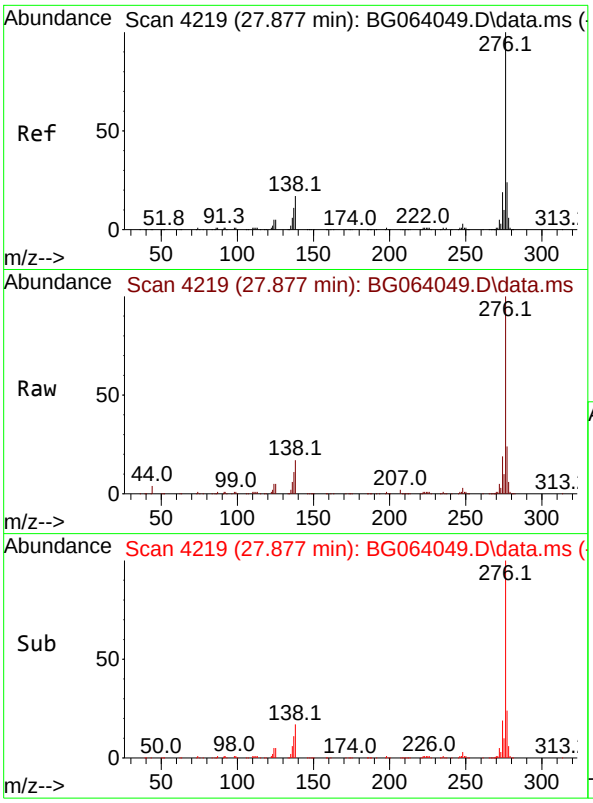


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.475 min Scan# 3640
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:264 Resp: 289801

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	20.8	16.6	25.0

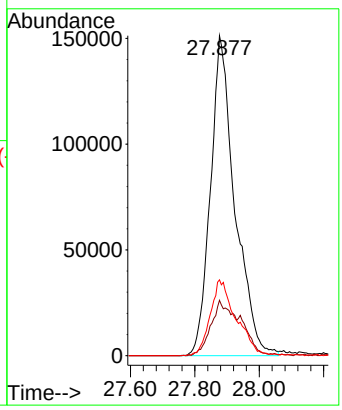




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.124 ng
RT: 27.877 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:276 Resp: 79738

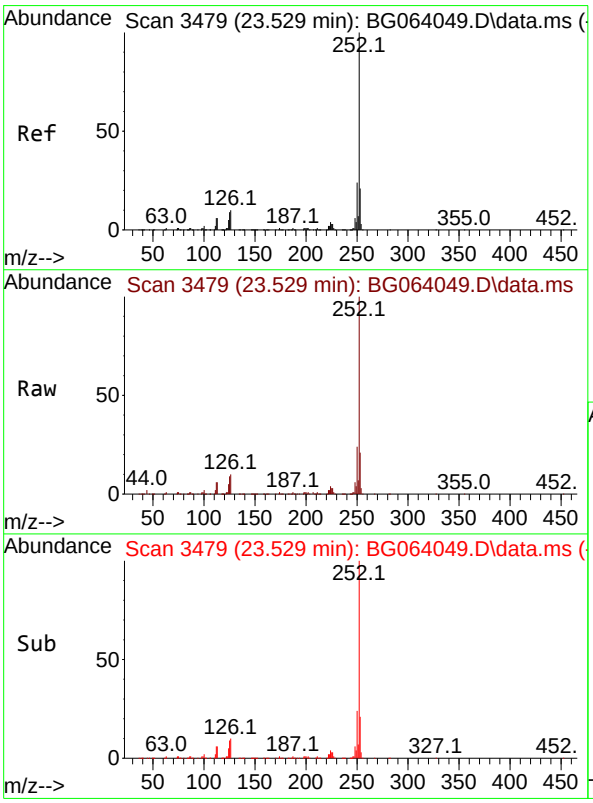
Ion	Ratio	Lower	Upper
276	100		
138	15.1	12.1	18.1
277	25.0	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

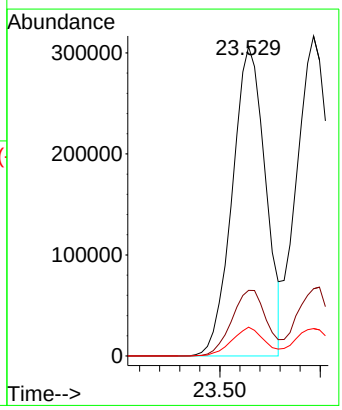
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

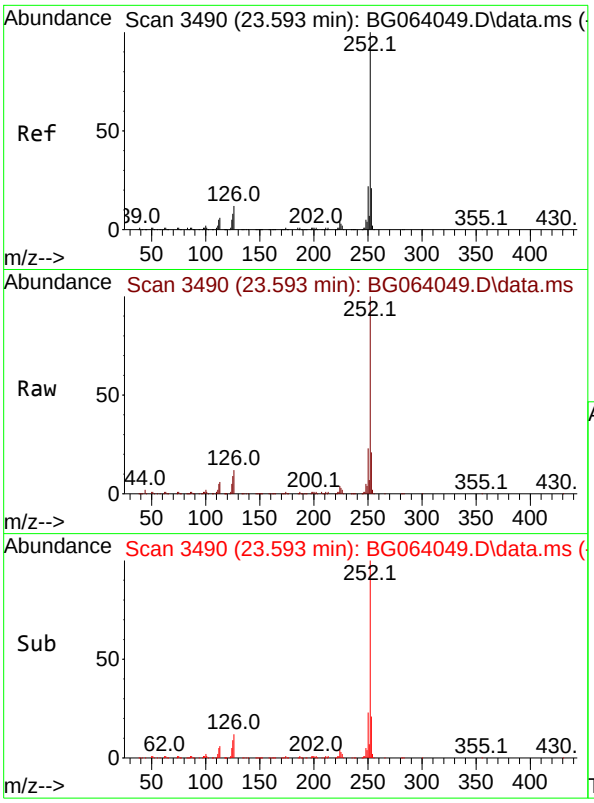


#88
Benzo(b)fluoranthene
Concen: 40.217 ng
RT: 23.529 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:252 Resp: 704588

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.4
125	9.3	7.4	11.2

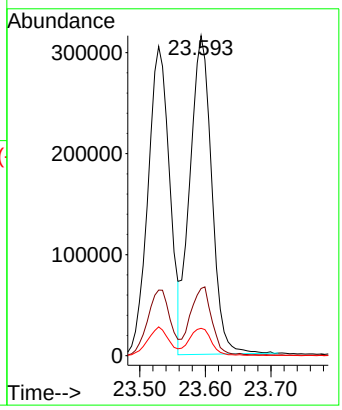




#89
Benzo(k)fluoranthene
Concen: 41.391 ng
RT: 23.593 min Scan# 34
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:252 Resp: 72746

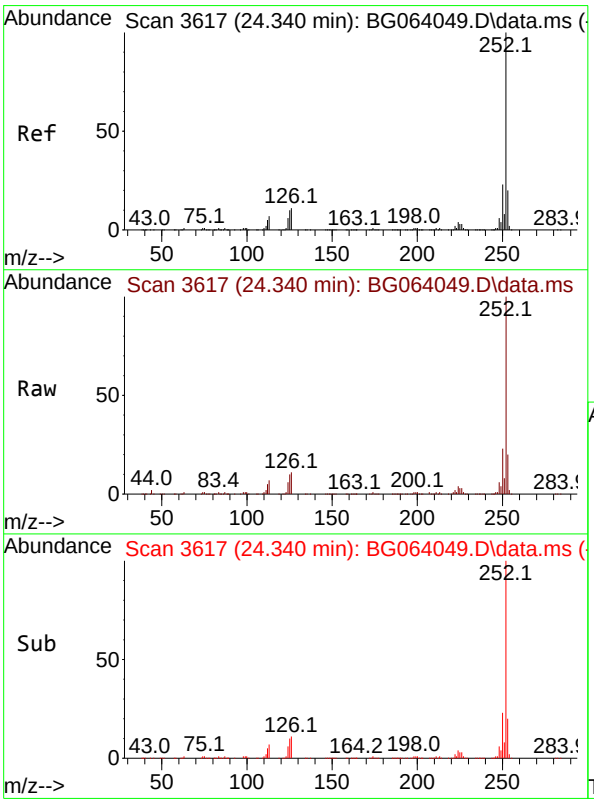
Ion	Ratio	Lower	Upper
252	100		
253	21.0	16.8	25.2
125	8.6	6.9	10.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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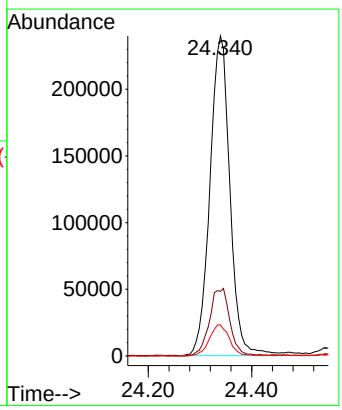
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

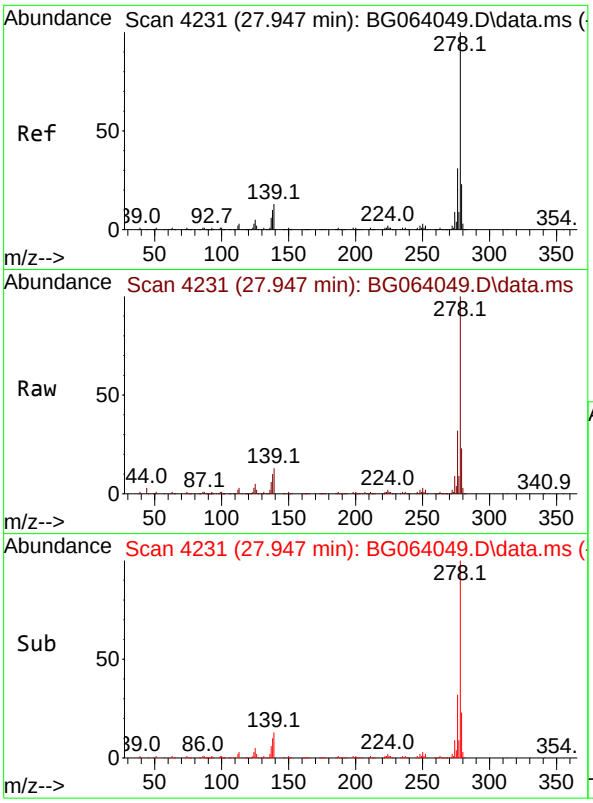


#90
Benzo(a)pyrene
Concen: 41.134 ng
RT: 24.340 min Scan# 3617
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:252 Resp: 641802

Ion	Ratio	Lower	Upper
252	100		
253	20.2	16.2	24.2
125	9.7	7.8	11.6

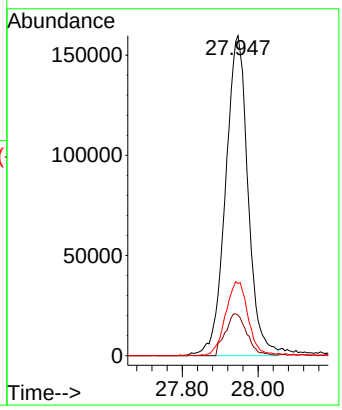




#91
Dibenzo(a,h)anthracene
Concen: 40.836 ng
RT: 27.947 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:278 Resp: 65643

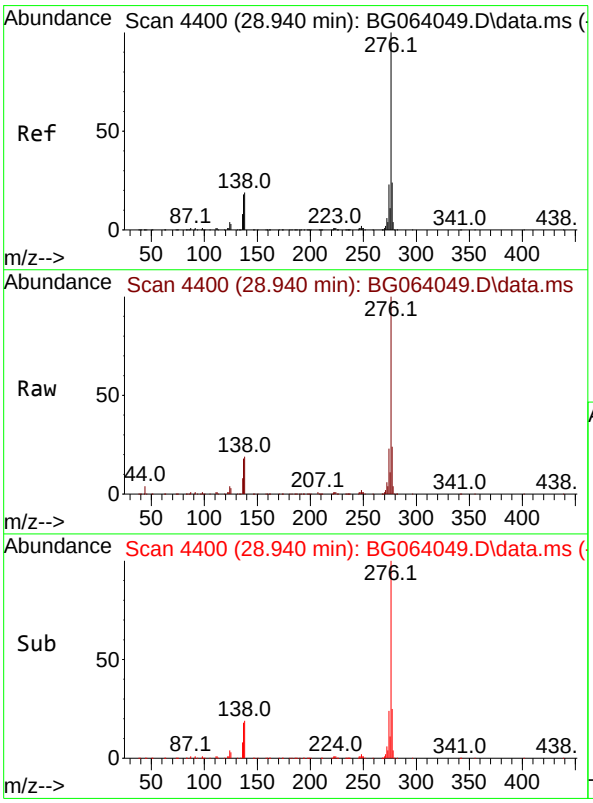
Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.2	15.2
279	22.6	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

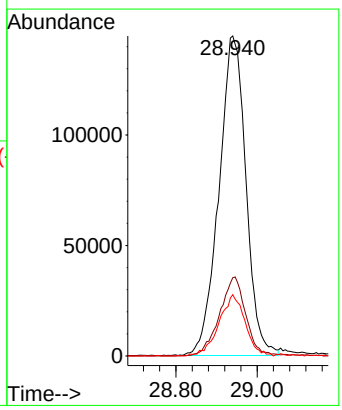
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025



#92
Benzo(g,h,i)perylene
Concen: 40.469 ng
RT: 28.940 min Scan# 4400
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:276 Resp: 667911

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.5	29.3
138	19.2	15.4	23.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064050.D
Acq On : 5 Mar 2025 12:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 05 15:24:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	38040	20.000	ng	0.00
21) Naphthalene-d8	10.656	136	162322	20.000	ng	0.00
39) Acenaphthene-d10	14.487	164	110522	20.000	ng	0.00
64) Phenanthrene-d10	17.231	188	254221	20.000	ng	0.00
76) Chrysene-d12	21.467	240	272579	20.000	ng	0.00
86) Perylene-d12	24.475	264	286555	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	239407	98.271	ng	0.00
7) Phenol-d6	7.031	99	323841	97.714	ng	0.00
23) Nitrobenzene-d5	9.017	82	316407	107.720	ng	0.00
42) 2,4,6-Tribromophenol	15.974	330	133386	108.574	ng	0.00
45) 2-Fluorobiphenyl	13.118	172	708865	97.354	ng	0.00
79) Terphenyl-d14	19.851	244	1286263	95.415	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.377	88	53145	48.134	ng	98
3) Pyridine	3.764	79	127257	47.393	ng	97
4) n-Nitrosodimethylamine	3.682	42	94714	49.369	ng	93
6) Aniline	7.196	93	156110	48.003	ng	99
8) 2-Chlorophenol	7.431	128	126814	48.467	ng	100
9) Benzaldehyde	7.008	77	81796	42.223	ng	95
10) Phenol	7.060	94	166630	49.107	ng	97
11) bis(2-Chloroethyl)ether	7.290	93	125734	47.264	ng	99
12) 1,3-Dichlorobenzene	7.760	146	136763	47.598	ng	95
13) 1,4-Dichlorobenzene	7.901	146	140578	47.733	ng	98
14) 1,2-Dichlorobenzene	8.218	146	134631	47.407	ng	96
15) Benzyl Alcohol	8.100	79	129182	50.441	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.394	45	284947	47.637	ng	100
17) 2-Methylphenol	8.300	107	111405	49.469	ng	97
18) Hexachloroethane	8.947	117	50035	48.558	ng	91
19) n-Nitroso-di-n-propyla...	8.670	70	113111	48.631	ng	98
20) 3+4-Methylphenols	8.629	107	153346	49.461	ng	97
22) Acetophenone	8.682	105	221424	49.752	ng	99
24) Nitrobenzene	9.058	77	160553	52.890	ng	96
25) Isophorone	9.581	82	290768	49.457	ng	97
26) 2-Nitrophenol	9.769	139	52718	49.791	ng	100
27) 2,4-Dimethylphenol	9.828	122	89845	50.976	ng	97
28) bis(2-Chloroethoxy)met...	10.069	93	173244	48.604	ng	96
29) 2,4-Dichlorophenol	10.298	162	117642	52.861	ng	96
30) 1,2,4-Trichlorobenzene	10.521	180	136213	50.701	ng	93
31) Naphthalene	10.703	128	430679	49.204	ng	98
32) Benzoic acid	9.975	122	77326m	47.851	ng	
33) 4-Chloroaniline	10.809	127	159874	49.975	ng	99
34) Hexachlorobutadiene	10.997	225	87623	49.759	ng	96
35) Caprolactam	11.579	113	45779	53.678	ng	92
36) 4-Chloro-3-methylphenol	11.931	107	151419	51.905	ng	97
37) 2-Methylnaphthalene	12.313	142	302745	48.994	ng	96
38) 1-Methylnaphthalene	12.531	142	293710	48.517	ng	99
40) 1,2,4,5-Tetrachloroben...	12.677	216	154824	49.068	ng	97
41) Hexachlorocyclopentadiene	12.666	237	48218	54.295	ng	98
43) 2,4,6-Trichlorophenol	12.918	196	100024	53.786	ng	92

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064050.D
Acq On : 5 Mar 2025 12:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:24:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.989	196	109309	52.900	ng		99
46) 1,1'-Biphenyl	13.324	154	407499	48.802	ng		98
47) 2-Chloronaphthalene	13.365	162	304442	49.991	ng		97
48) 2-Nitroaniline	13.565	65	101610	49.852	ng		96
49) Acenaphthylene	14.211	152	479498	49.779	ng		100
50) Dimethylphthalate	13.952	163	404288	49.555	ng		100
51) 2,6-Dinitrotoluene	14.064	165	82929	49.957	ng		90
52) Acenaphthene	14.558	154	320276m	49.442	ng		
53) 3-Nitroaniline	14.393	138	86456	54.830	ng		100
54) 2,4-Dinitrophenol	14.593	184	30713	48.003	ng		89
55) Dibenzofuran	14.887	168	511922	48.883	ng		99
56) 4-Nitrophenol	14.693	139	77342	58.485	ng		94
57) 2,4-Dinitrotoluene	14.851	165	115455	50.361	ng	#	95
58) Fluorene	15.539	166	401156	49.182	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.110	232	106306	52.772	ng		98
60) Diethylphthalate	15.321	149	448796	50.673	ng		98
61) 4-Chlorophenyl-phenyle...	15.533	204	196685	48.525	ng		93
62) 4-Nitroaniline	15.556	138	96864	56.899	ng		96
63) Azobenzene	15.827	77	469832	49.712	ng		99
65) 4,6-Dinitro-2-methylph...	15.609	198	52142	47.566	ng		92
66) n-Nitrosodiphenylamine	15.744	169	354329	49.240	ng		100
67) 4-Bromophenyl-phenylether	16.426	248	127329	48.903	ng		97
68) Hexachlorobenzene	16.538	284	144717	49.646	ng		97
69) Atrazine	16.696	200	81796	38.632	ng		96
70) Pentachlorophenol	16.878	266	95820	52.943	ng		98
71) Phenanthrene	17.272	178	669776	49.395	ng		99
72) Anthracene	17.360	178	670298	49.714	ng		98
73) Carbazole	17.630	167	640167	50.853	ng		99
74) Di-n-butylphthalate	18.206	149	785487	53.009	ng		100
75) Fluoranthene	19.281	202	824769	50.454	ng		99
77) Benzidine	19.464	184	133122	34.790	ng		99
78) Pyrene	19.646	202	854585	48.636	ng		99
80) Butylbenzylphthalate	20.545	149	322148	48.794	ng		98
81) Benzo(a)anthracene	21.449	228	868997	49.769	ng		96
82) 3,3'-Dichlorobenzidine	21.367	252	283543	50.177	ng		98
83) Chrysene	21.508	228	860924	49.437	ng		99
84) Bis(2-ethylhexyl)phtha...	21.385	149	511903	54.210	ng		100
85) Di-n-octyl phthalate	22.531	149	855727	52.538	ng		100
87) Indeno(1,2,3-cd)pyrene	27.883	276	970339	50.610	ng		98
88) Benzo(b)fluoranthene	23.535	252	882554	50.946	ng		98
89) Benzo(k)fluoranthene	23.600	252	863262	49.673	ng		97
90) Benzo(a)pyrene	24.346	252	792379	51.360	ng		98
91) Dibenzo(a,h)anthracene	27.948	278	812185	51.097	ng		99
92) Benzo(g,h,i)perylene	28.947	276	821282	50.325	ng		99

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

ICAL Form

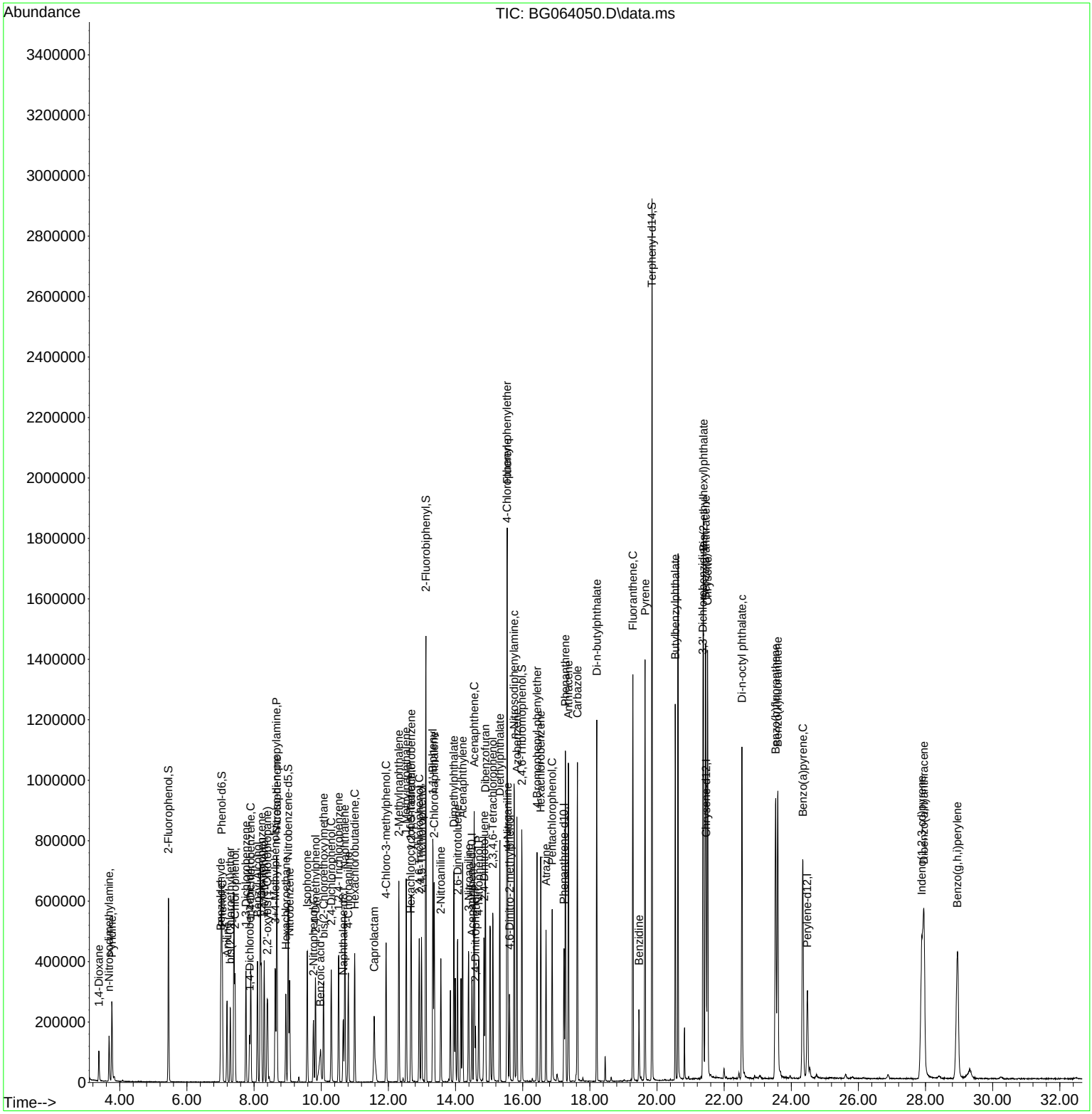
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Data File : BG064050.D
Acq On : 5 Mar 2025 12:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

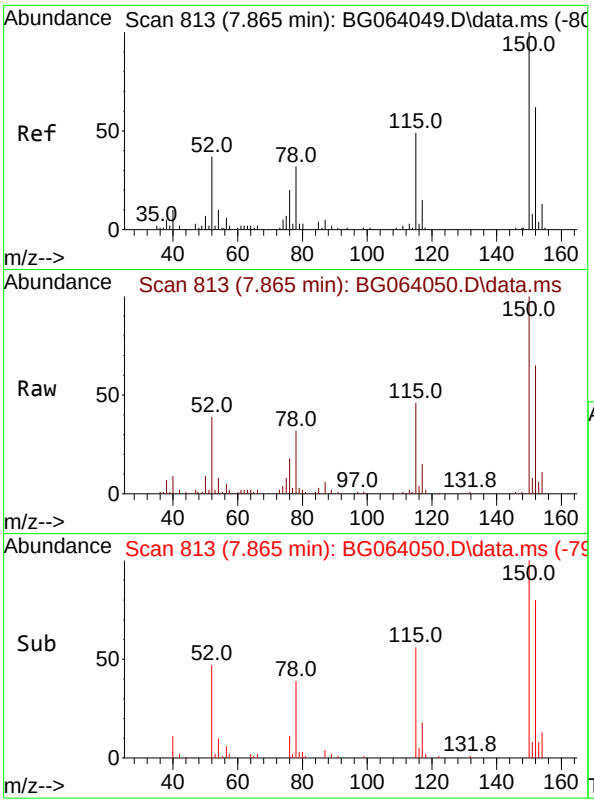
Quant Time: Mar 05 15:24:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

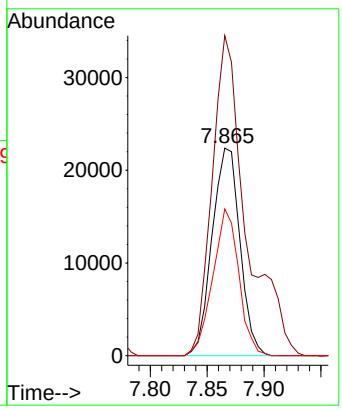




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:152 Resp: 3804

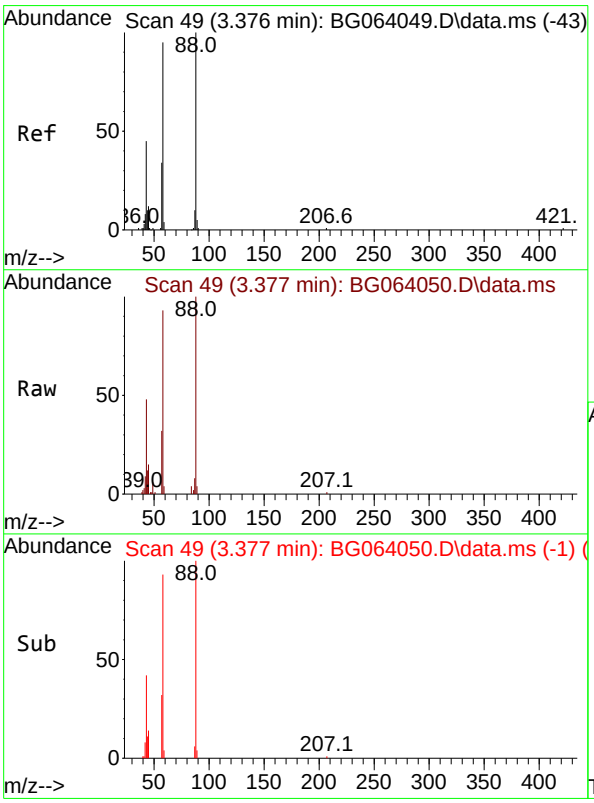
Ion	Ratio	Lower	Upper
152	100		
150	154.2	129.2	193.8
115	70.7	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

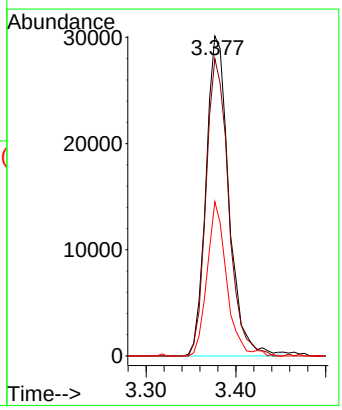
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

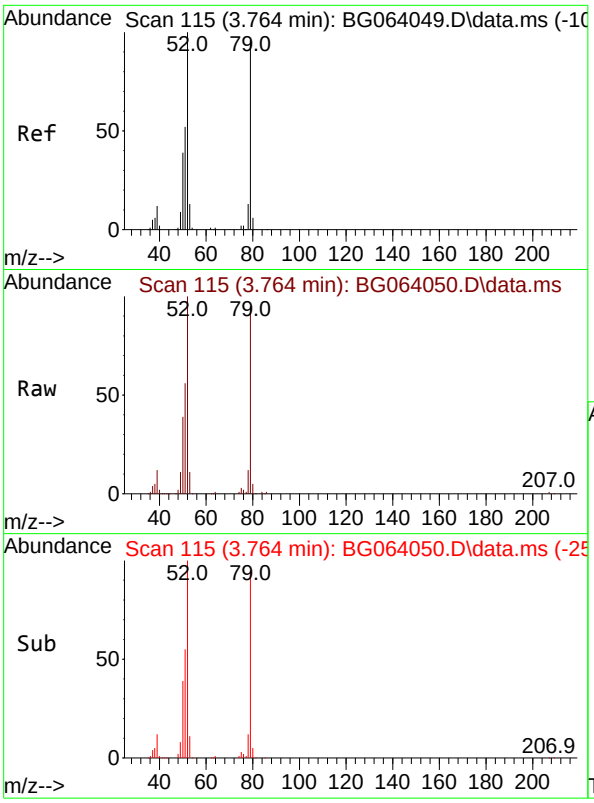


#2
1,4-Dioxane
Concen: 48.134 ng
RT: 3.377 min Scan# 49
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 88 Resp: 53145

Ion	Ratio	Lower	Upper
88	100		
58	91.8	74.6	111.8
43	41.4	35.5	53.3

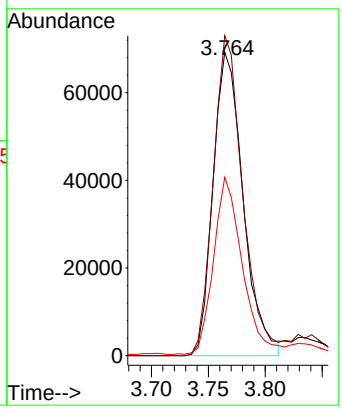




#3
Pyridine
Concen: 47.393 ng
RT: 3.764 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 79 Resp: 12725

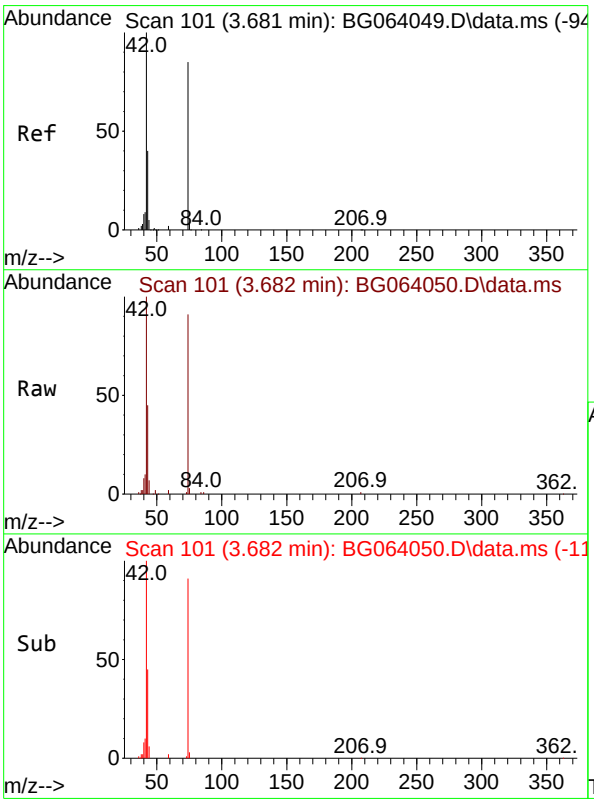
Ion	Ratio	Lower	Upper
79	100		
52	105.4	83.0	124.6
51	58.8	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

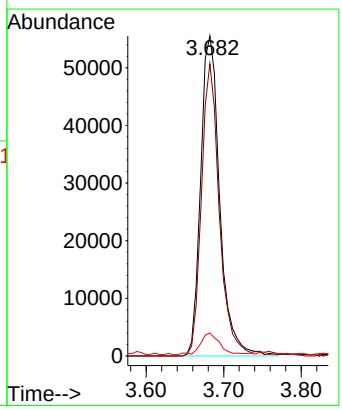
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

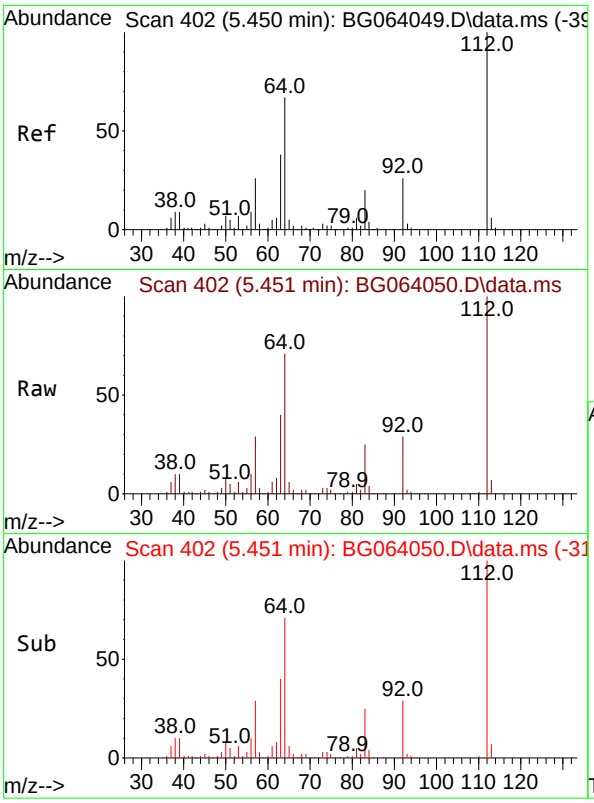


#4
n-Nitrosodimethylamine
Concen: 49.369 ng
RT: 3.682 min Scan# 101
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 42 Resp: 94714

Ion	Ratio	Lower	Upper
42	100		
74	91.3	68.0	102.0
44	7.2	4.9	7.3

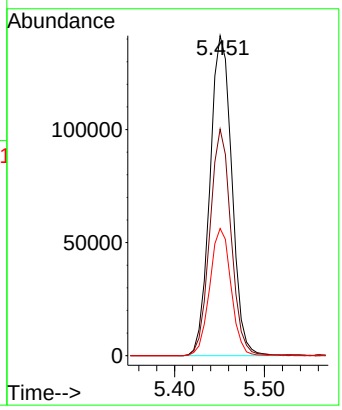




#5
2-Fluorophenol
Concen: 98.271 ng
RT: 5.451 min Scan# 4
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:112 Resp: 23940

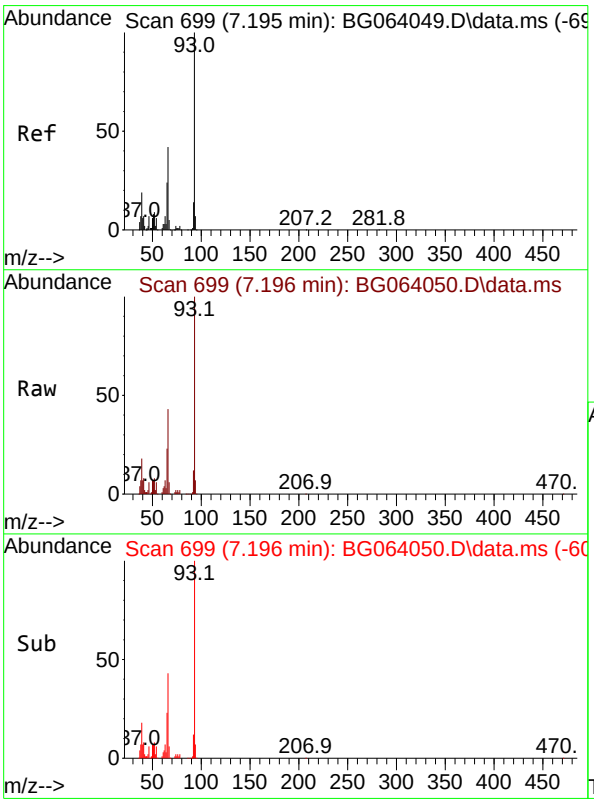
Ion	Ratio	Lower	Upper
112	100		
64	70.8	53.7	80.5
63	39.8	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

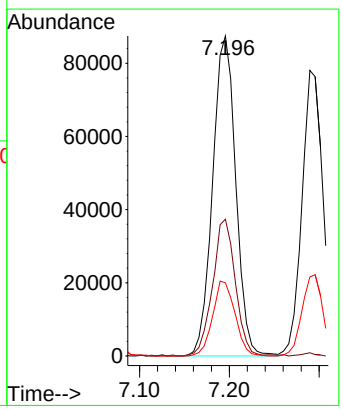
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

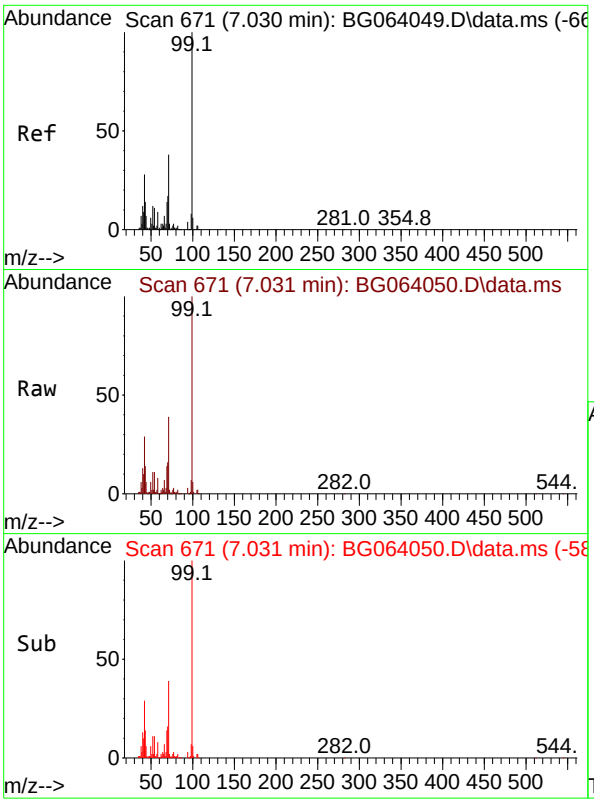


#6
Aniline
Concen: 48.003 ng
RT: 7.196 min Scan# 699
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 93 Resp: 156110

Ion	Ratio	Lower	Upper
93	100		
66	42.7	33.7	50.5
65	22.9	19.1	28.7

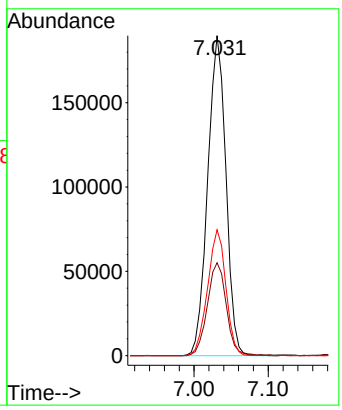




#7
Phenol-d6
Concen: 97.714 ng
RT: 7.031 min Scan# 6
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 99 Resp: 32384

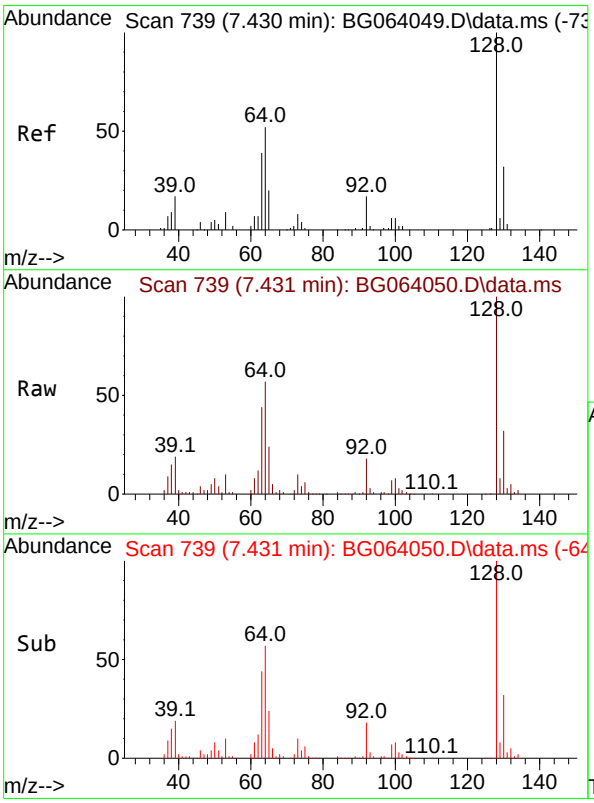
Ion	Ratio	Lower	Upper
99	100		
42	29.1	22.7	34.1
71	39.4	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

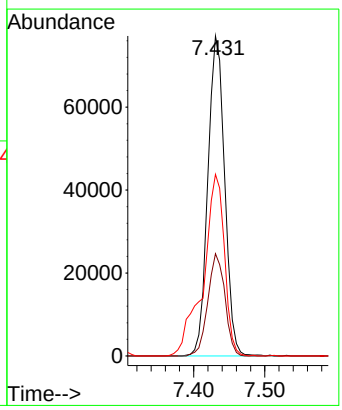
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

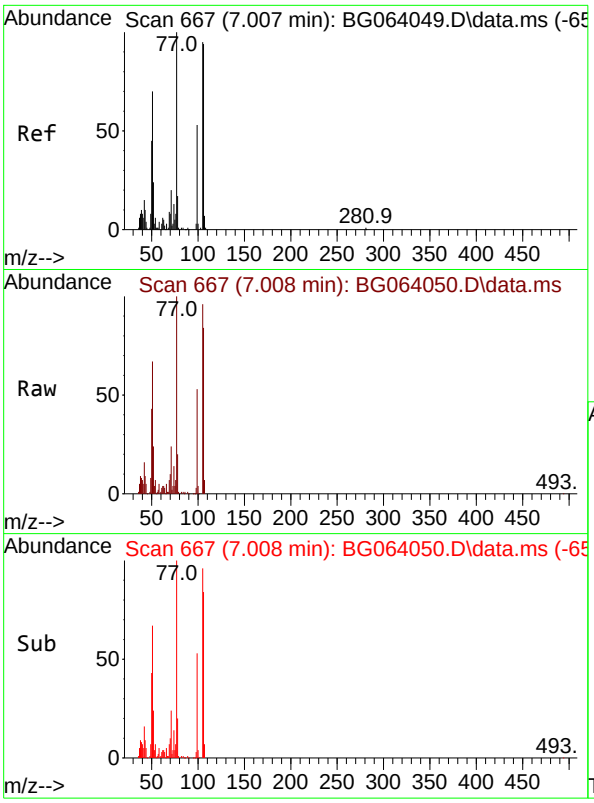


#8
2-Chlorophenol
Concen: 48.467 ng
RT: 7.431 min Scan# 739
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:128 Resp: 126814

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.3	52.3
64	56.7	37.0	77.0

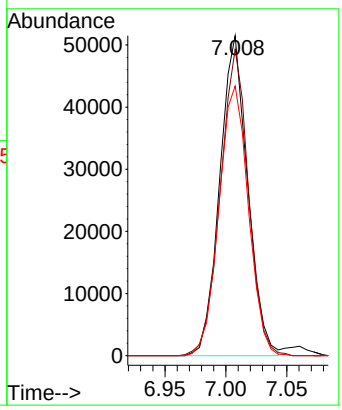




#9
Benzaldehyde
Concen: 42.223 ng
RT: 7.008 min Scan# 6
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 77 Resp: 8179

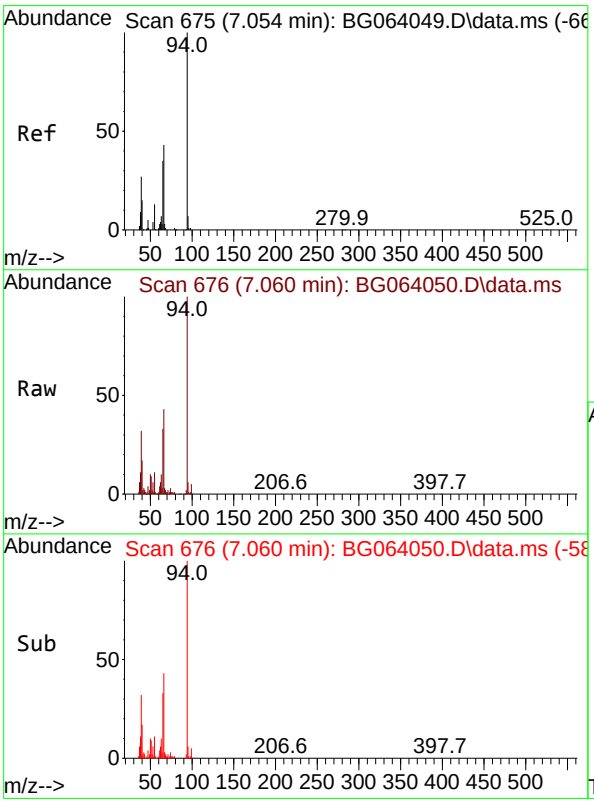
Ion	Ratio	Lower	Upper
77	100		
105	95.8	75.5	115.5
106	84.3	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

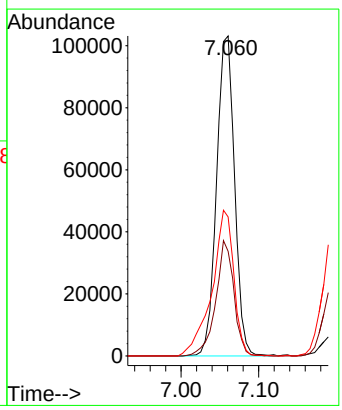
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

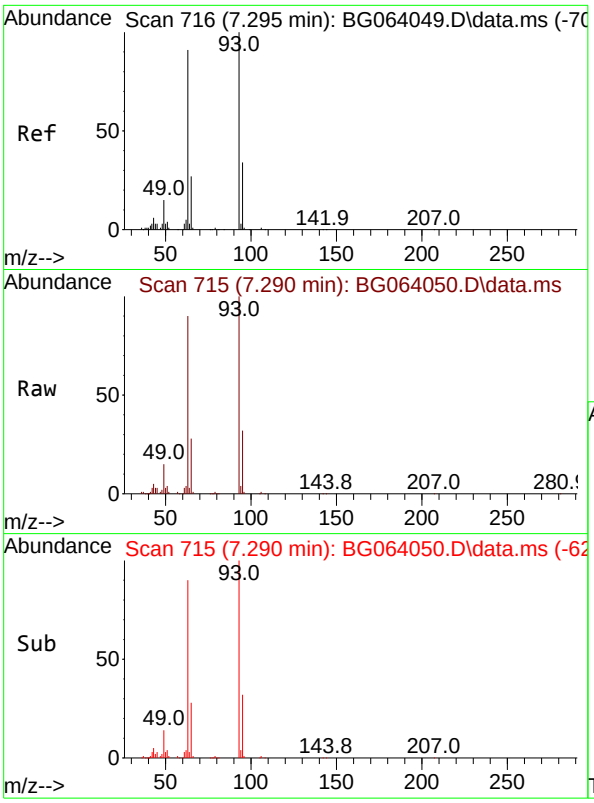


#10
Phenol
Concen: 49.107 ng
RT: 7.060 min Scan# 676
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 94 Resp: 166630

Ion	Ratio	Lower	Upper
94	100		
65	32.7	15.2	55.2
66	43.4	25.1	65.1





#11
bis(2-Chloroethyl)ether
Concen: 47.264 ng
RT: 7.290 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

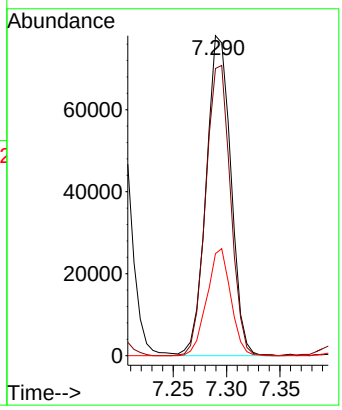
Tgt Ion: 93 Resp: 12573

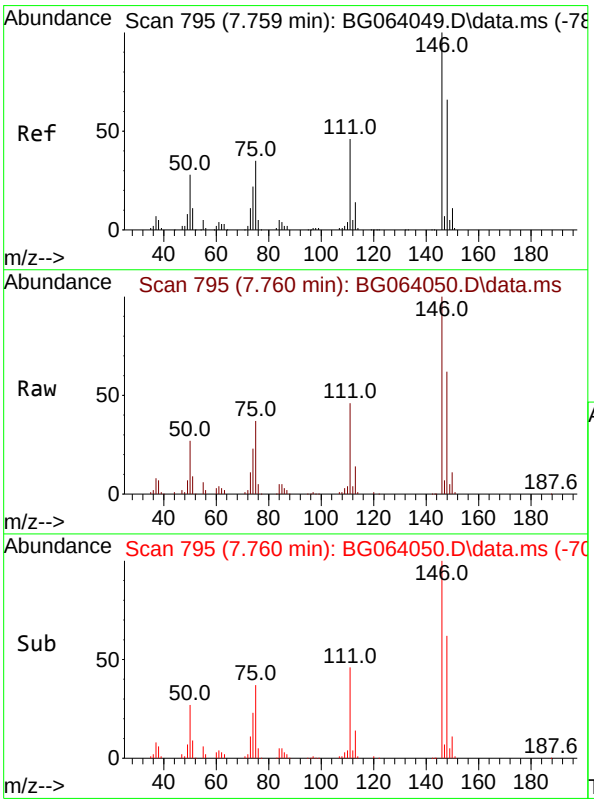
Ion	Ratio	Lower	Upper
93	100		
63	89.8	70.0	110.0
95	31.9	13.7	53.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

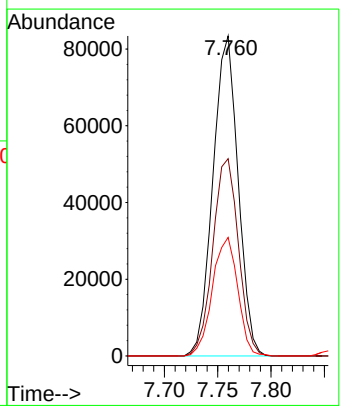


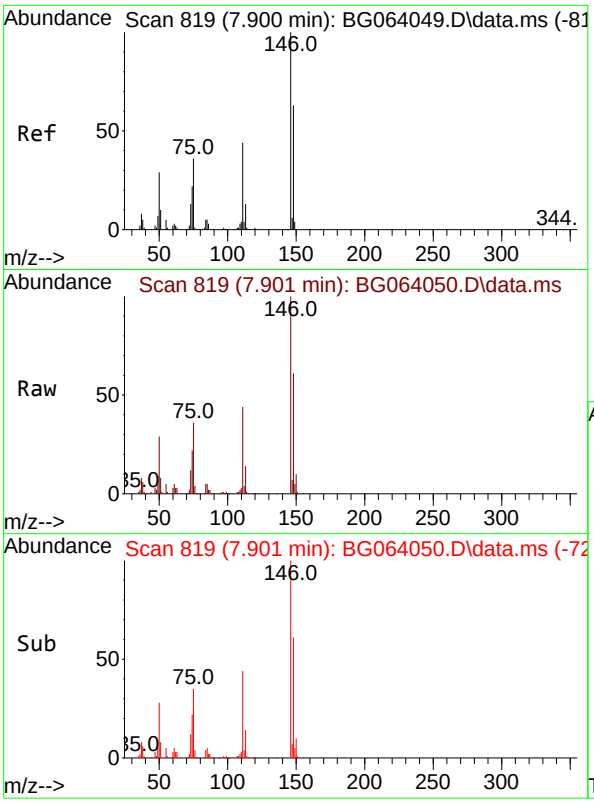


#12
1,3-Dichlorobenzene
Concen: 47.598 ng
RT: 7.760 min Scan# 795
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:146 Resp: 136763

Ion	Ratio	Lower	Upper
146	100		
148	61.6	52.6	78.8
75	37.1	28.1	42.1

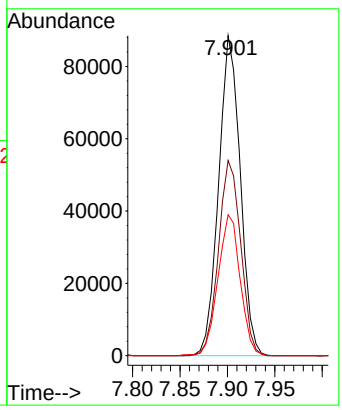




#13
1,4-Dichlorobenzene
Concen: 47.733 ng
RT: 7.901 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:146 Resp: 14057

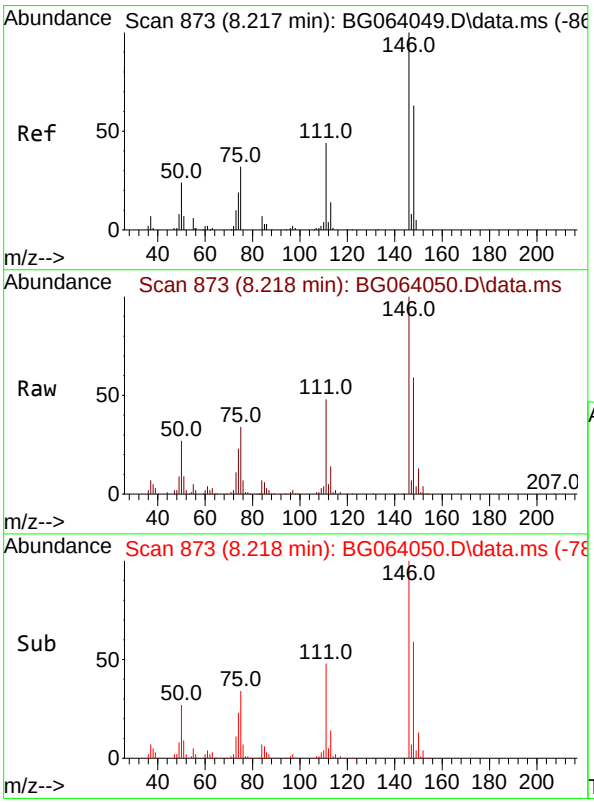
Ion	Ratio	Lower	Upper
146	100		
148	61.0	50.6	75.8
111	44.1	35.1	52.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

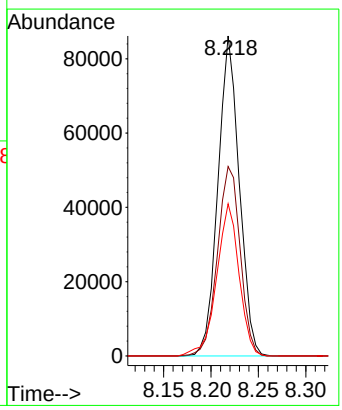
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

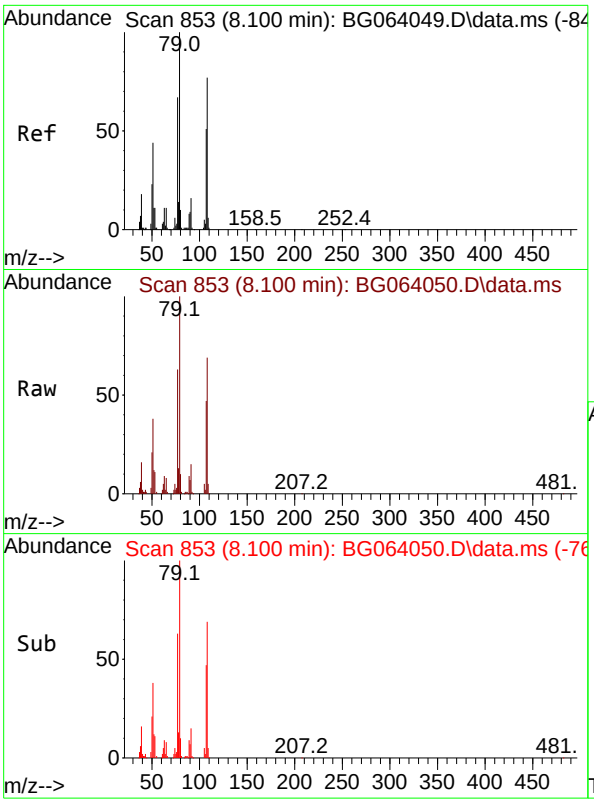


#14
1,2-Dichlorobenzene
Concen: 47.407 ng
RT: 8.218 min Scan# 873
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:146 Resp: 134631

Ion	Ratio	Lower	Upper
146	100		
148	59.2	50.2	75.2
111	47.5	36.4	54.6





#15
Benzyl Alcohol
Concen: 50.441 ng
RT: 8.100 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

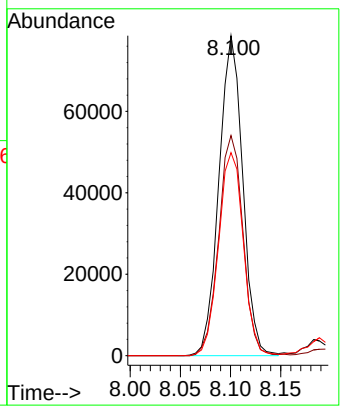
Tgt Ion: 79 Resp: 12918

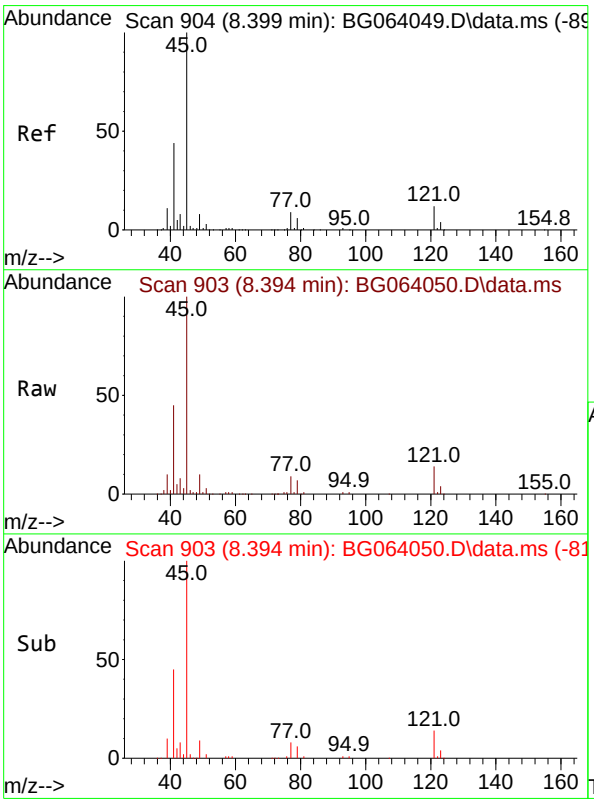
Ion	Ratio	Lower	Upper
79	100		
108	68.8	61.7	92.5
77	63.5	53.9	80.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

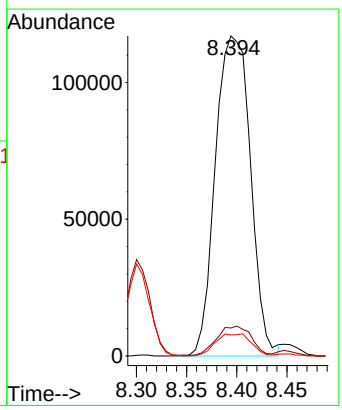


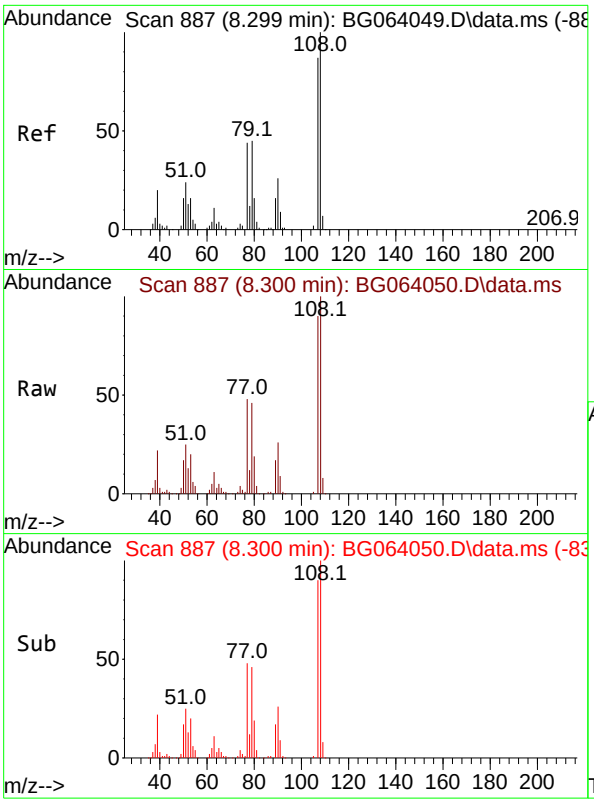


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.637 ng
RT: 8.394 min Scan# 903
Delta R.T. -0.005 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 45 Resp: 284947

Ion	Ratio	Lower	Upper
45	100		
77	8.8	0.0	29.0
79	6.5	0.0	26.6

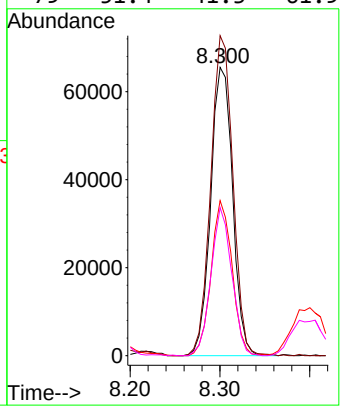




#17
2-Methylphenol
Concen: 49.469 ng
RT: 8.300 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:107 Resp: 11140

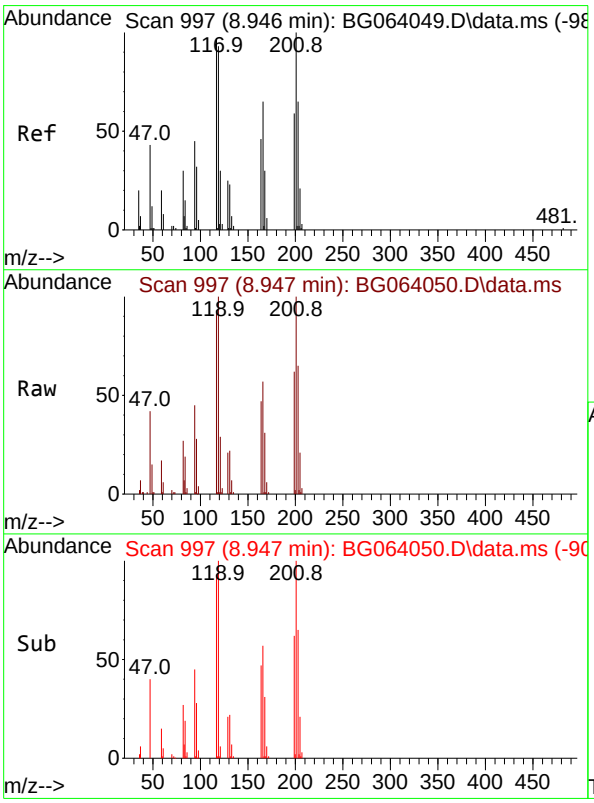
Ion	Ratio	Lower	Upper
107	100		
108	111.0	92.5	138.7
77	53.8	40.5	60.7
79	51.4	41.3	61.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

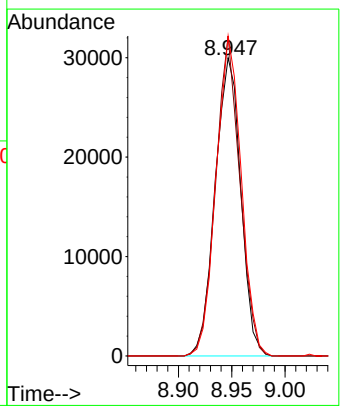
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

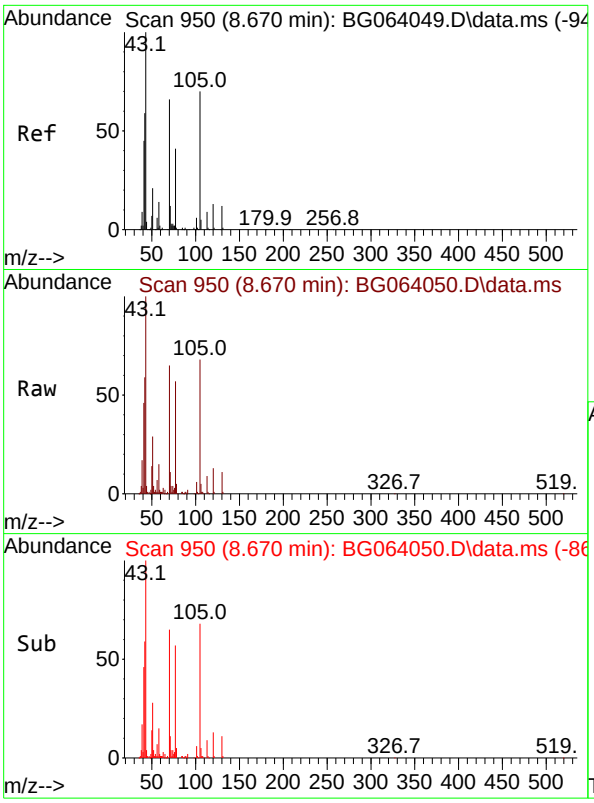


#18
Hexachloroethane
Concen: 48.558 ng
RT: 8.947 min Scan# 997
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:117 Resp: 50035

Ion	Ratio	Lower	Upper
117	100		
119	108.3	76.2	114.2
201	107.3	81.5	122.3

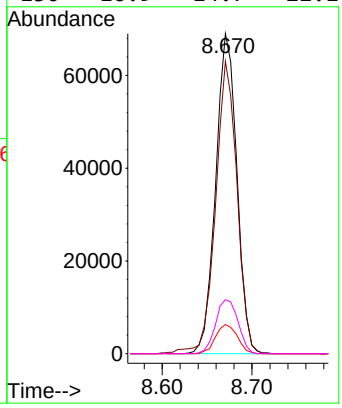




#19
n-Nitroso-di-n-propylamine
Concen: 48.631 ng
RT: 8.670 min Scan# 9
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 70 Resp: 11311

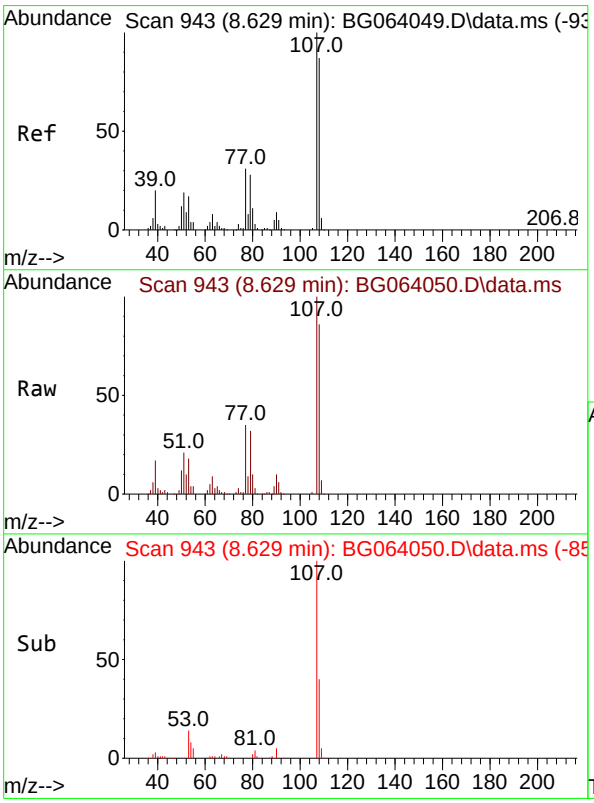
Ion	Ratio	Lower	Upper
70	100		
42	91.4	72.1	108.1
101	9.1	7.2	10.8
130	16.9	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

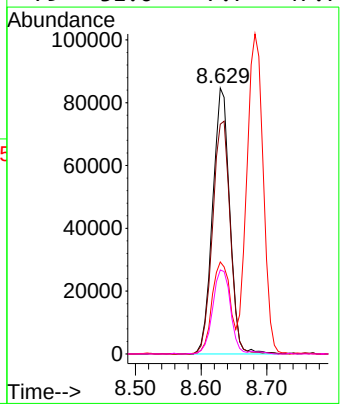
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

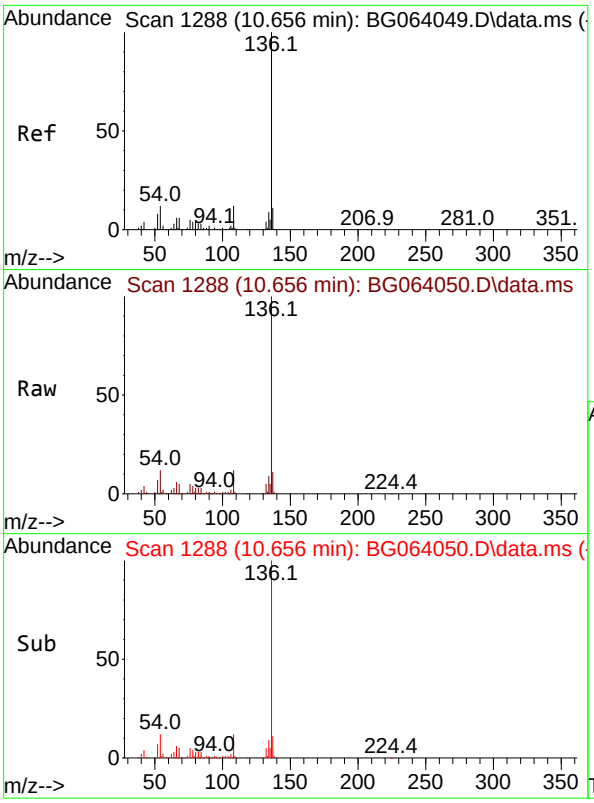


#20
3+4-Methylphenols
Concen: 49.461 ng
RT: 8.629 min Scan# 943
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:107 Resp: 153346

Ion	Ratio	Lower	Upper
107	100		
108	86.4	67.0	107.0
77	34.6	11.2	51.2
79	31.6	7.7	47.7

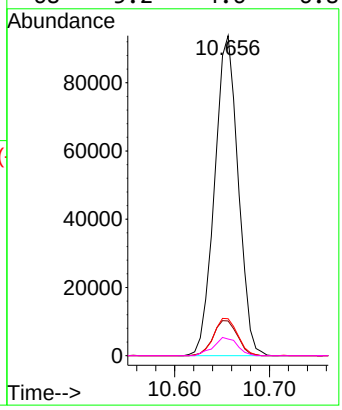




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.656 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:136 Resp: 16232

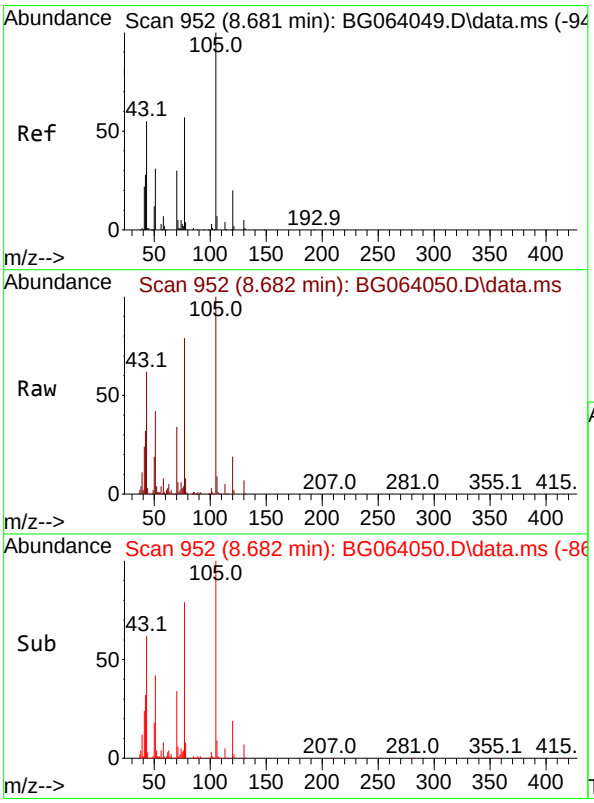
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	12.3	9.9	14.9
68	5.2	4.6	6.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

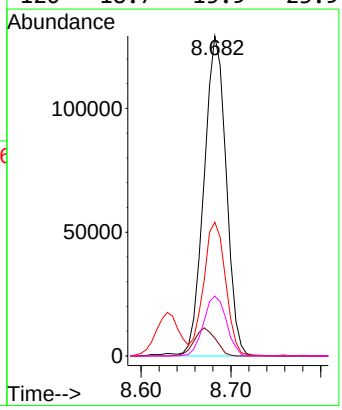
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

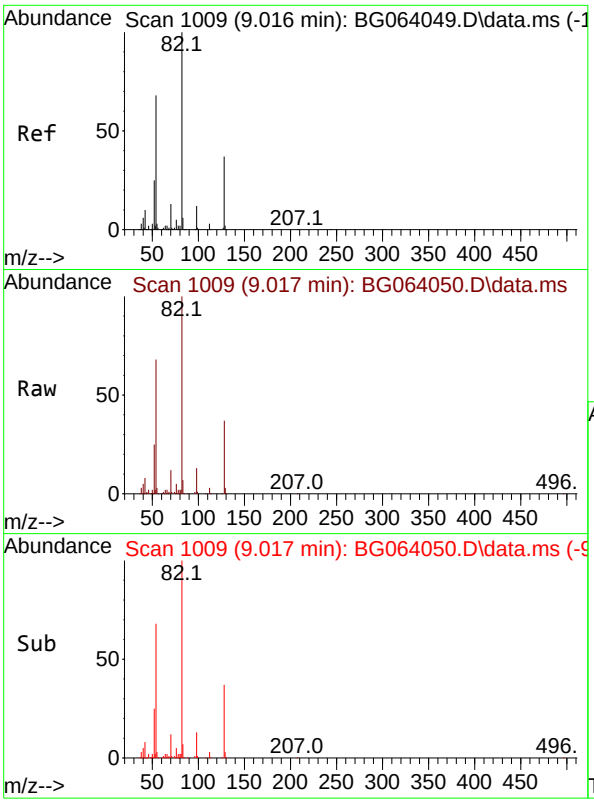


#22
Acetophenone
Concen: 49.752 ng
RT: 8.682 min Scan# 952
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:105 Resp: 221424

Ion	Ratio	Lower	Upper
105	100		
71	5.5	4.2	6.4
51	41.8	33.3	49.9
120	18.7	15.9	23.9

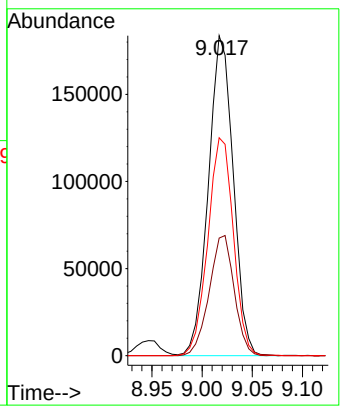




#23
Nitrobenzene-d5
Concen: 107.720 ng
RT: 9.017 min Scan# 1(
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 82 Resp: 31640

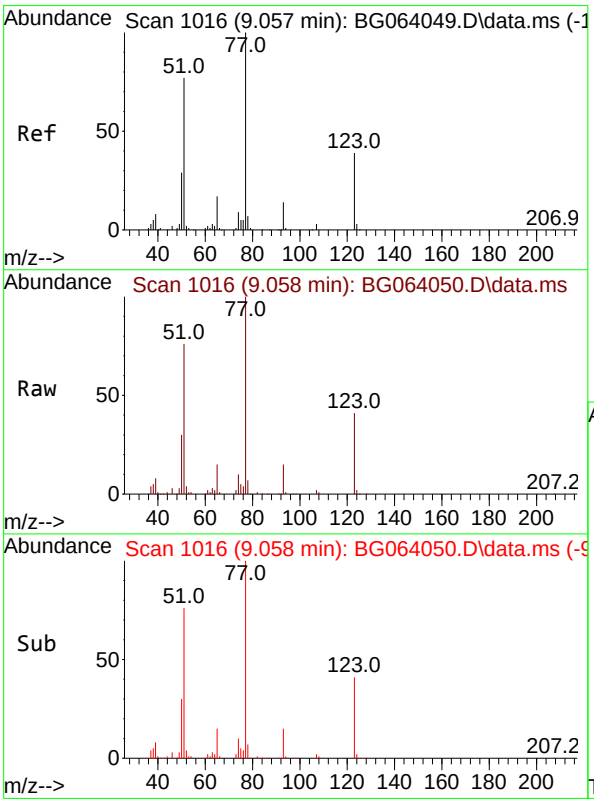
Ion	Ratio	Lower	Upper
82	100		
128	36.7	30.0	45.0
54	68.1	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

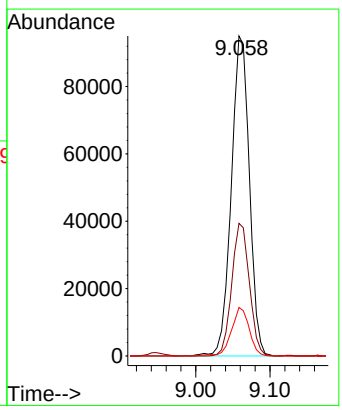
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

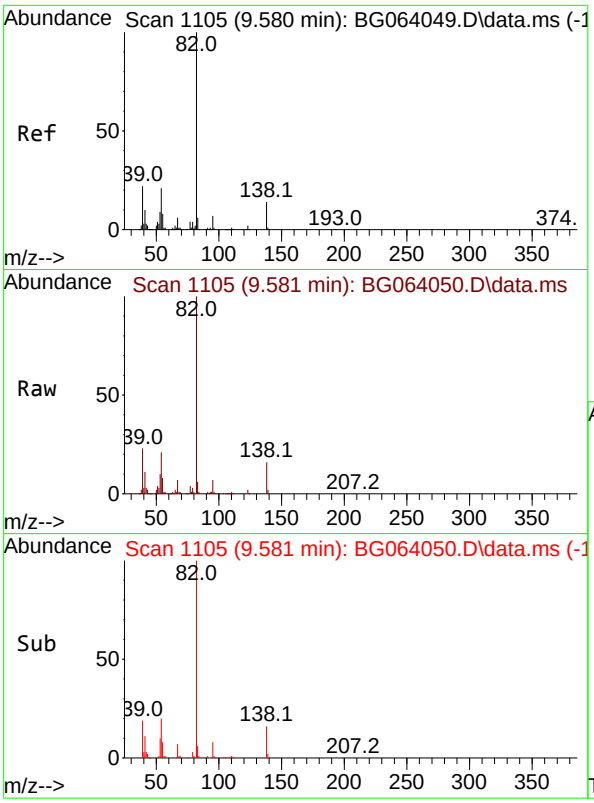


#24
Nitrobenzene
Concen: 52.890 ng
RT: 9.058 min Scan# 1016
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 77 Resp: 160553

Ion	Ratio	Lower	Upper
77	100		
123	41.4	31.4	47.2
65	15.1	13.4	20.0





#25
Isophorone
Concen: 49.457 ng
RT: 9.581 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

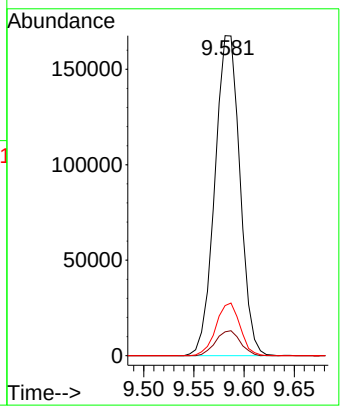
Tgt Ion: 82 Resp: 29076

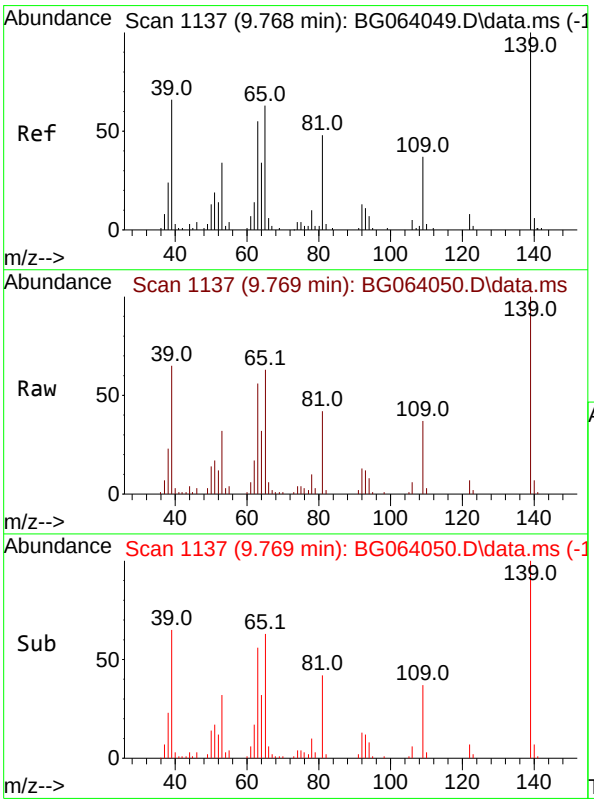
Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.8	8.8
138	15.7	10.9	16.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

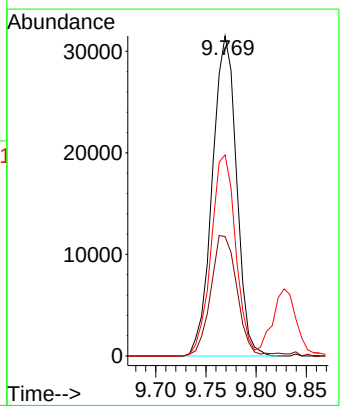


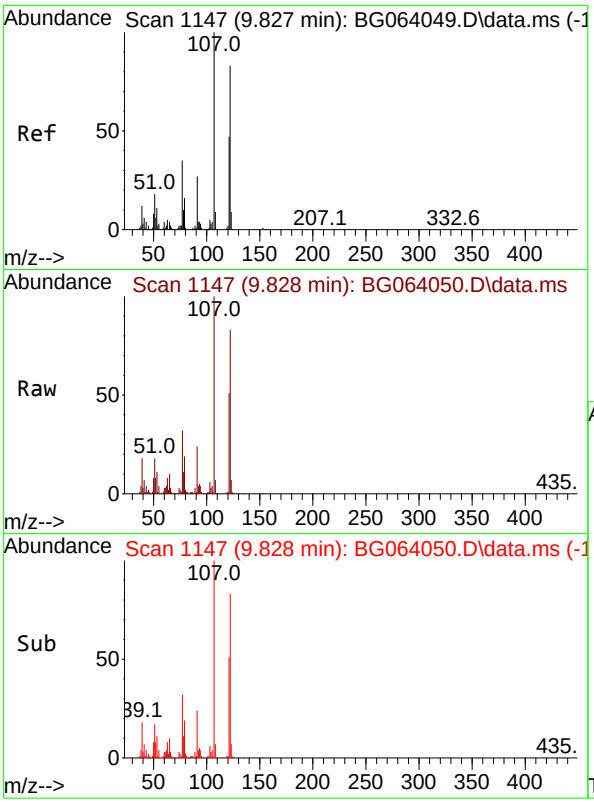


#26
2-Nitrophenol
Concen: 49.791 ng
RT: 9.769 min Scan# 1137
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:139 Resp: 52718

Ion	Ratio	Lower	Upper
139	100		
109	37.3	29.9	44.9
65	62.8	50.6	76.0

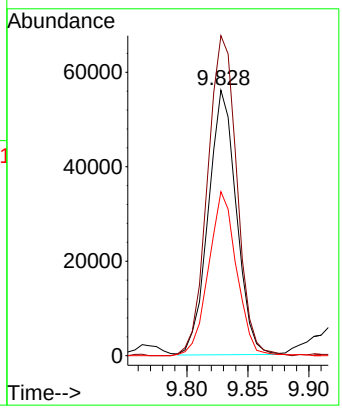




#27
2,4-Dimethylphenol
Concen: 50.976 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:122 Resp: 8984

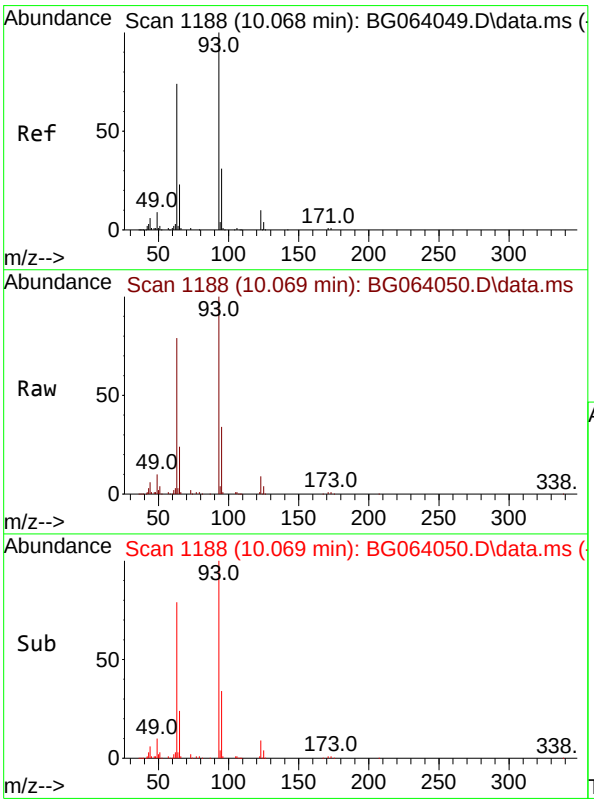
Ion	Ratio	Lower	Upper
122	100		
107	120.6	95.4	143.0
121	61.8	44.9	67.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

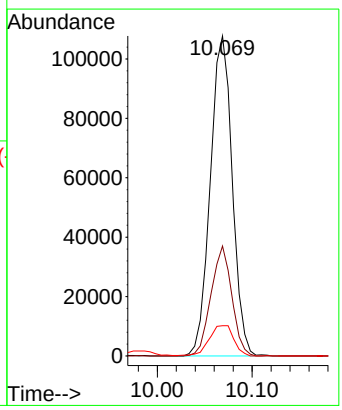
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

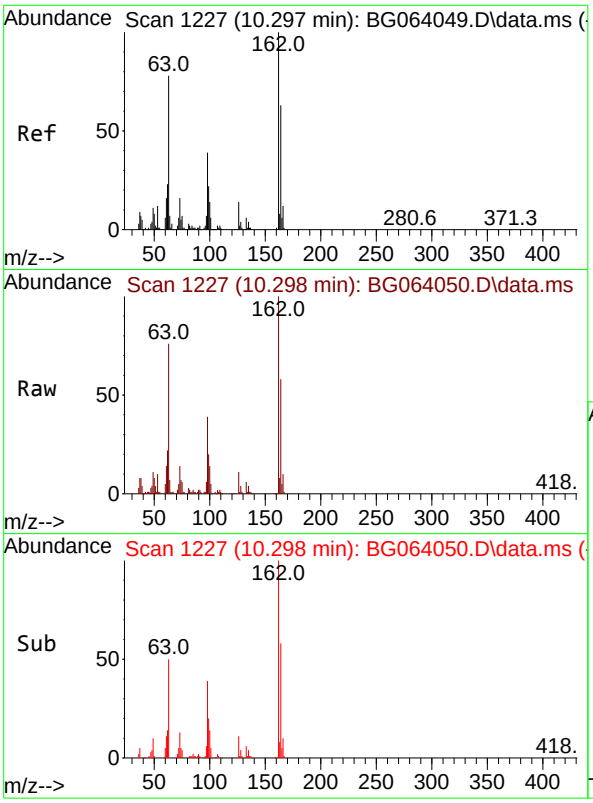


#28
bis(2-Chloroethoxy)methane
Concen: 48.604 ng
RT: 10.069 min Scan# 1188
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 93 Resp: 173244

Ion	Ratio	Lower	Upper
93	100		
95	34.4	25.0	37.4
123	9.5	7.6	11.4

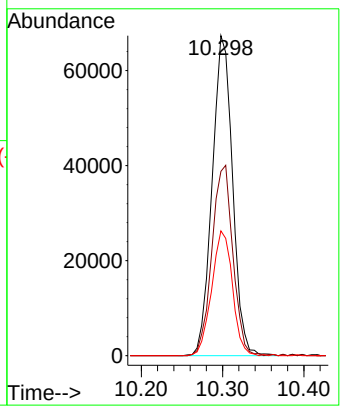




#29
2,4-Dichlorophenol
Concen: 52.861 ng
RT: 10.298 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:162 Resp: 11764

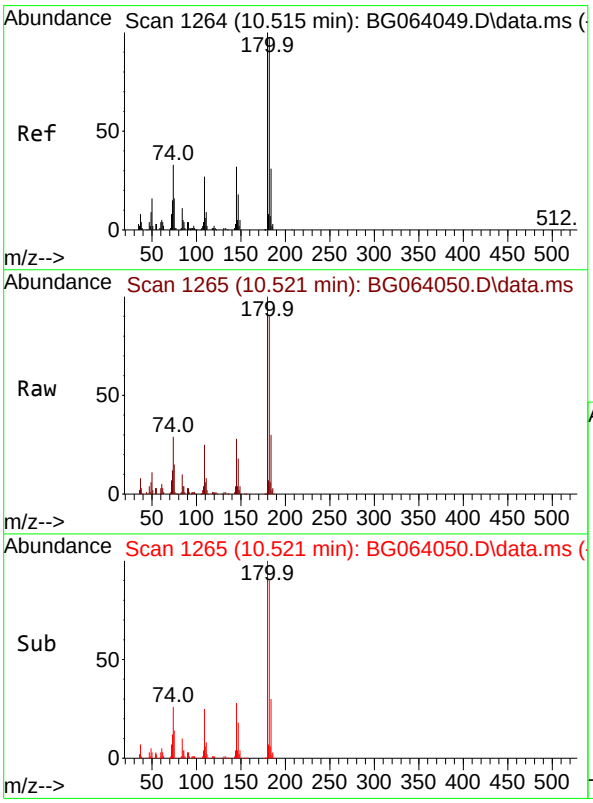
Ion	Ratio	Lower	Upper
162	100		
164	57.6	42.8	82.8
98	39.0	19.1	59.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

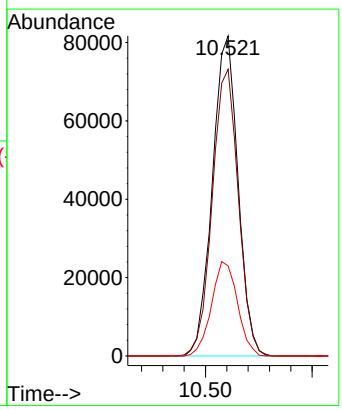
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

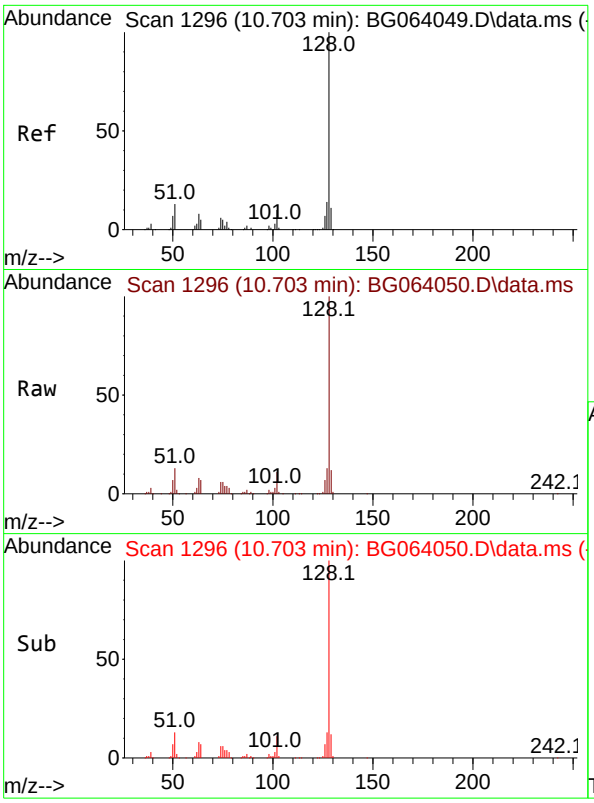


#30
1,2,4-Trichlorobenzene
Concen: 50.701 ng
RT: 10.521 min Scan# 1265
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:180 Resp: 136213

Ion	Ratio	Lower	Upper
180	100		
182	89.6	77.3	115.9
145	28.2	25.2	37.8

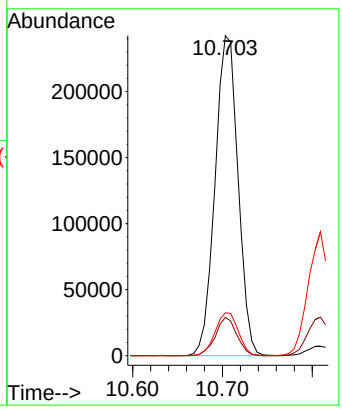




#31
Naphthalene
Concen: 49.204 ng
RT: 10.703 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:128 Resp: 43067

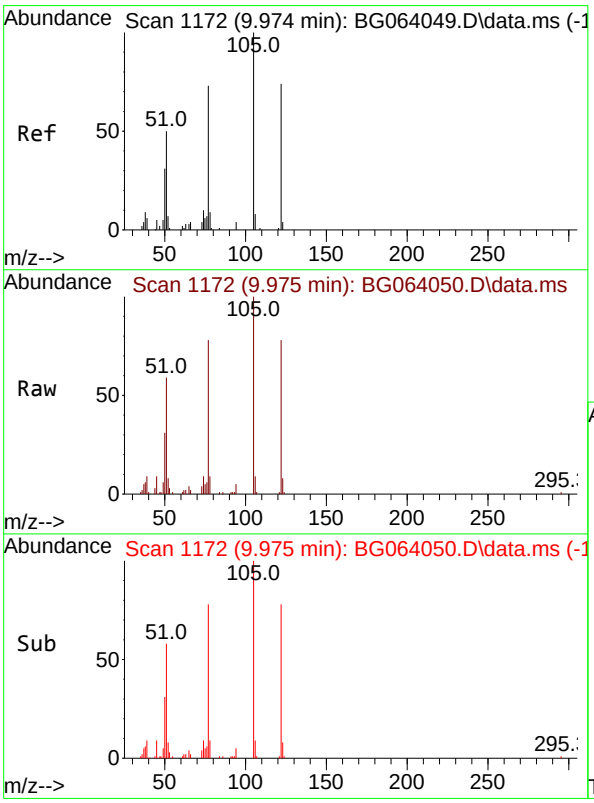
Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.4	12.6
127	13.4	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

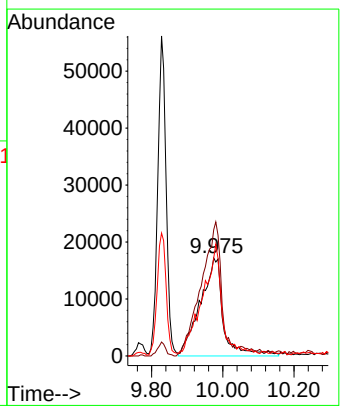
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

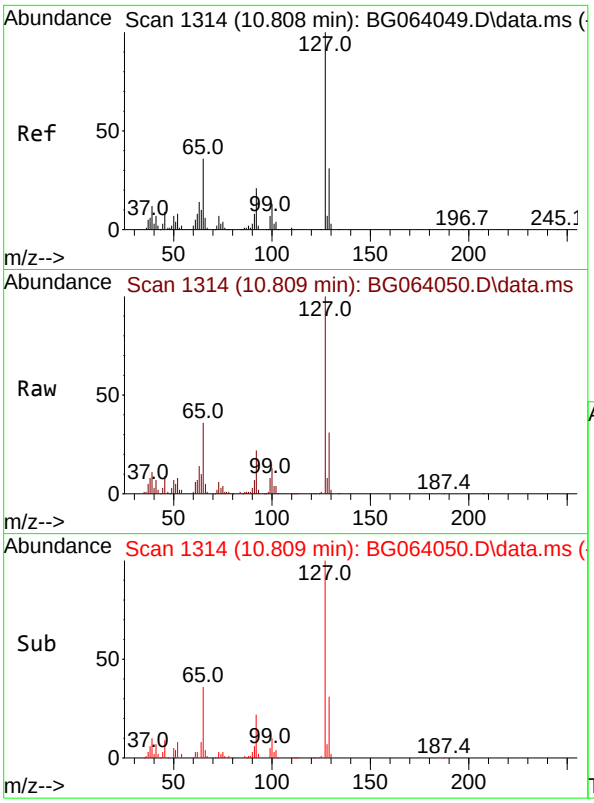


#32
Benzoic acid
Concen: 47.851 ng m
RT: 9.975 min Scan# 1172
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:122 Resp: 77326

Ion	Ratio	Lower	Upper
122	100		
105	128.9	115.0	155.0
77	100.0	80.9	120.9

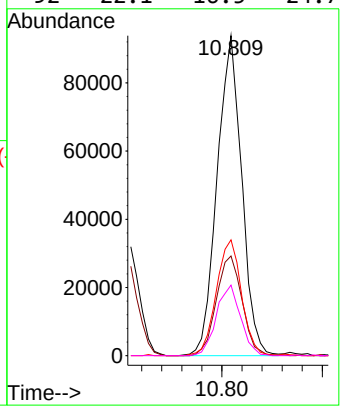




#33
4-Chloroaniline
Concen: 49.975 ng
RT: 10.809 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:127 Resp: 15987

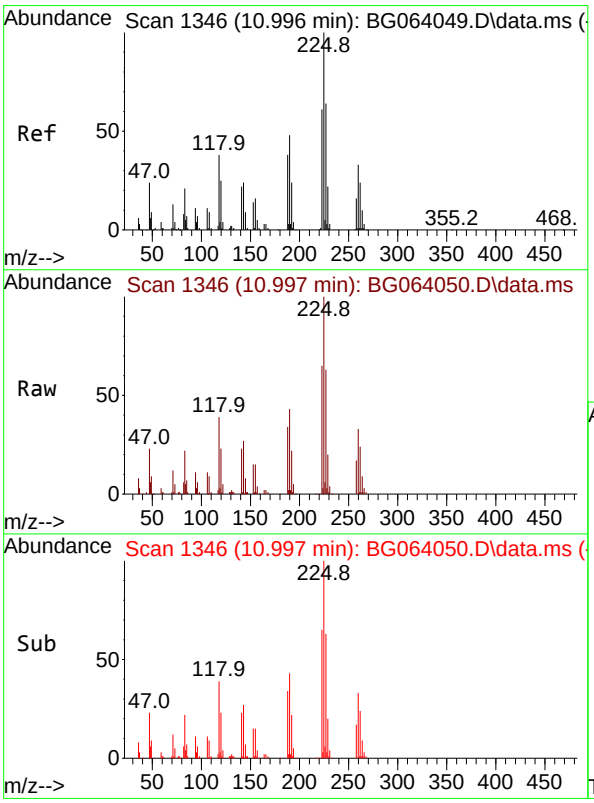
Ion	Ratio	Lower	Upper
127	100		
129	31.1	25.0	37.4
65	36.2	28.5	42.7
92	22.1	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

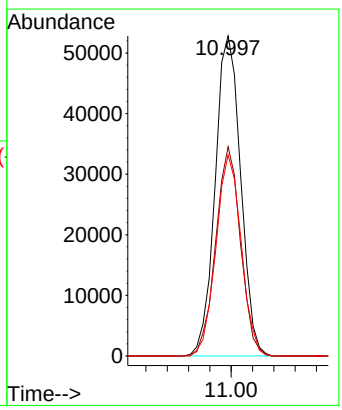
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

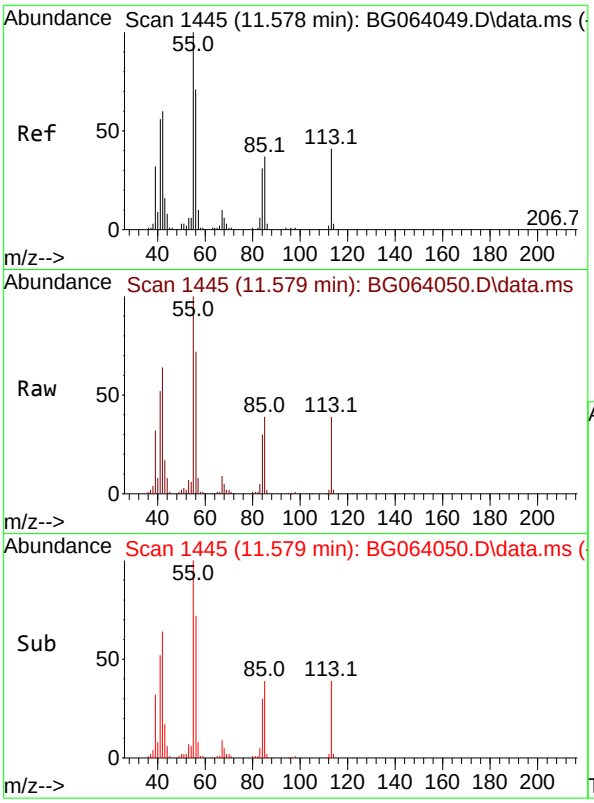


#34
Hexachlorobutadiene
Concen: 49.759 ng
RT: 10.997 min Scan# 1346
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:225 Resp: 87623

Ion	Ratio	Lower	Upper
225	100		
223	65.4	48.5	72.7
227	62.8	51.0	76.6

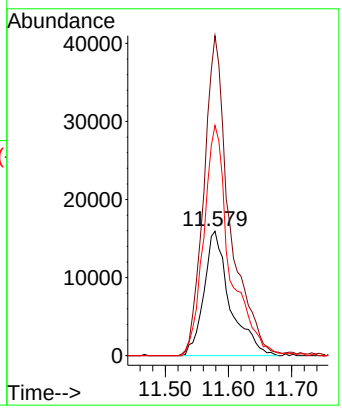




#35
Caprolactam
Concen: 53.678 ng
RT: 11.579 min Scan# 14
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:113 Resp: 4577

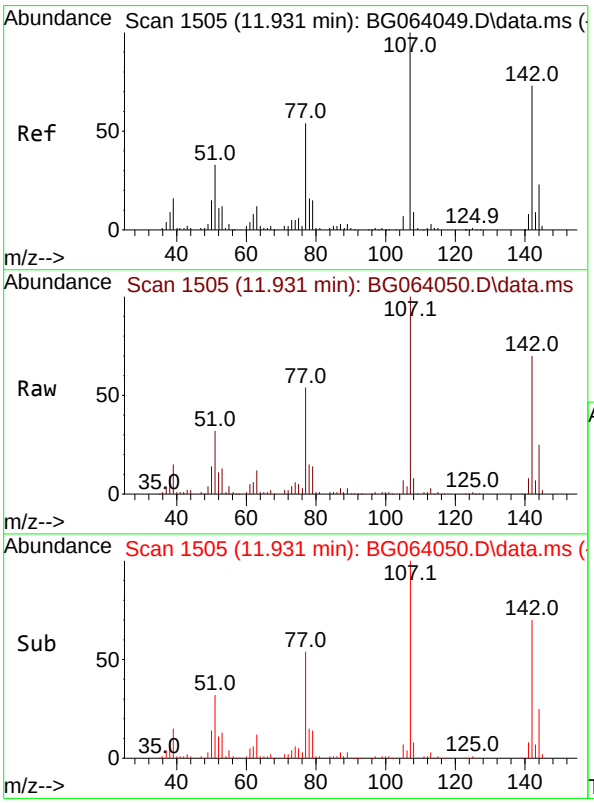
Ion	Ratio	Lower	Upper
113	100		
55	257.1	225.2	265.2
56	185.0	153.4	193.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

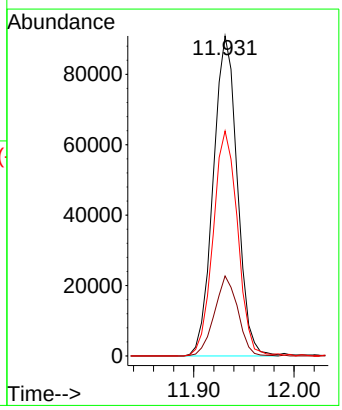
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

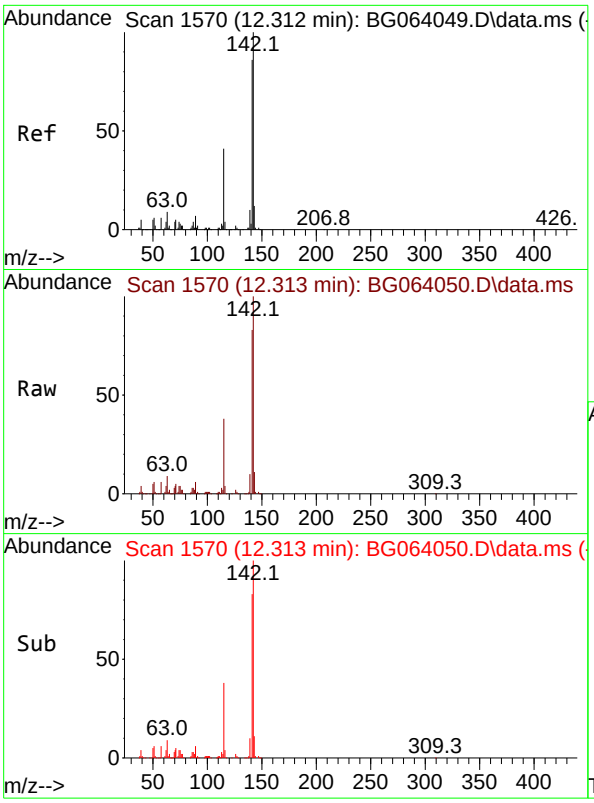


#36
4-Chloro-3-methylphenol
Concen: 51.905 ng
RT: 11.931 min Scan# 1505
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:107 Resp: 151419

Ion	Ratio	Lower	Upper
107	100		
144	25.0	18.6	28.0
142	70.3	58.0	87.0

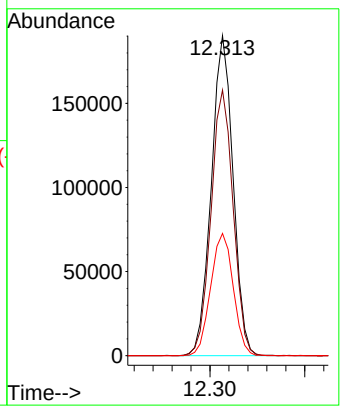




#37
2-Methylnaphthalene
Concen: 48.994 ng
RT: 12.313 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:142 Resp: 30274

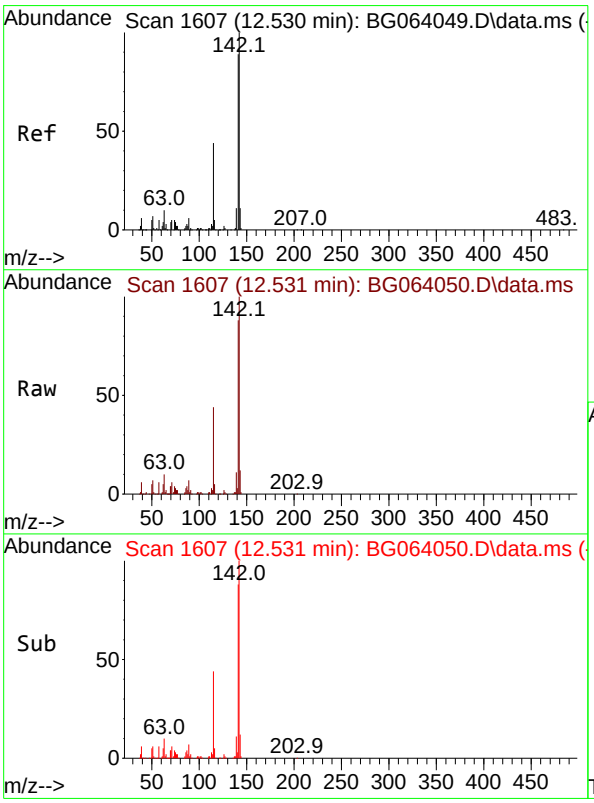
Ion	Ratio	Lower	Upper
142	100		
141	83.0	68.6	103.0
115	38.2	32.8	49.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

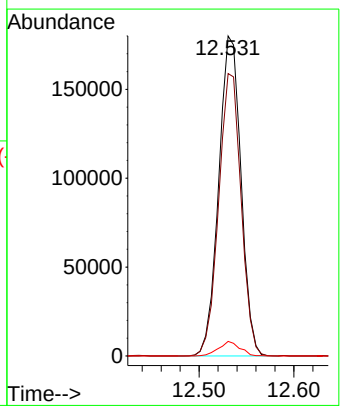
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

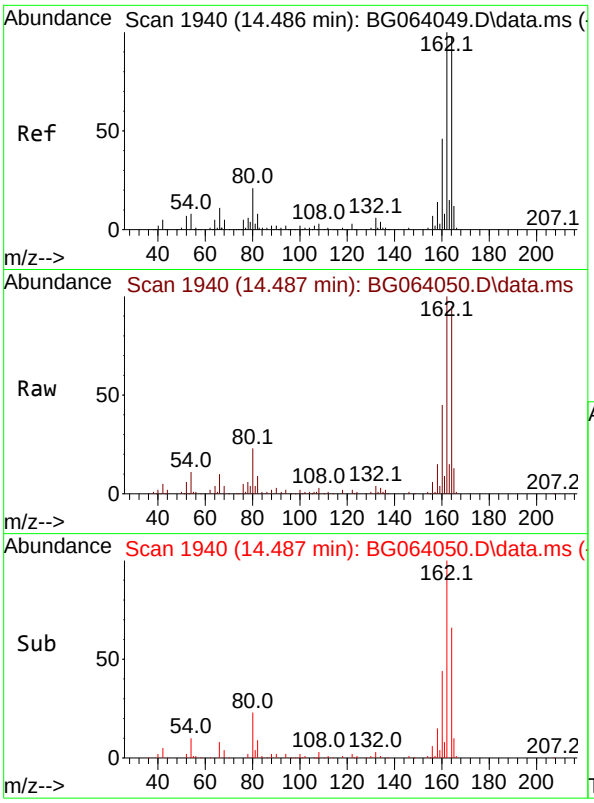


#38
1-Methylnaphthalene
Concen: 48.517 ng
RT: 12.531 min Scan# 1607
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:142 Resp: 293710

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.2	106.8
116	4.6	3.6	5.4

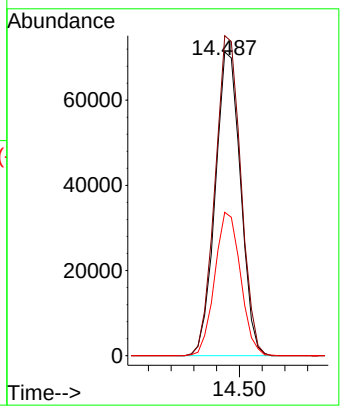




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.487 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:164 Resp: 11052

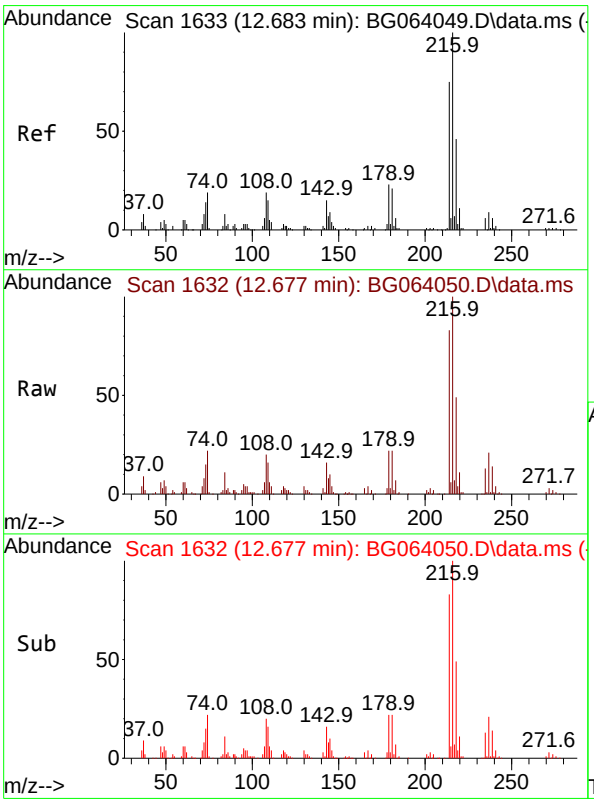
Ion	Ratio	Lower	Upper
164	100		
162	105.3	81.4	122.0
160	47.2	37.0	55.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

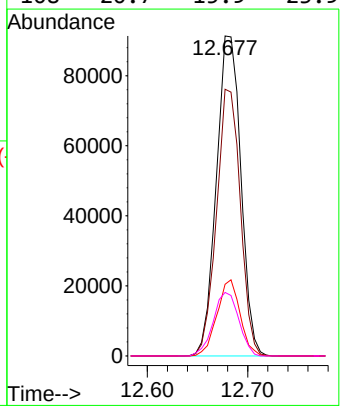
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

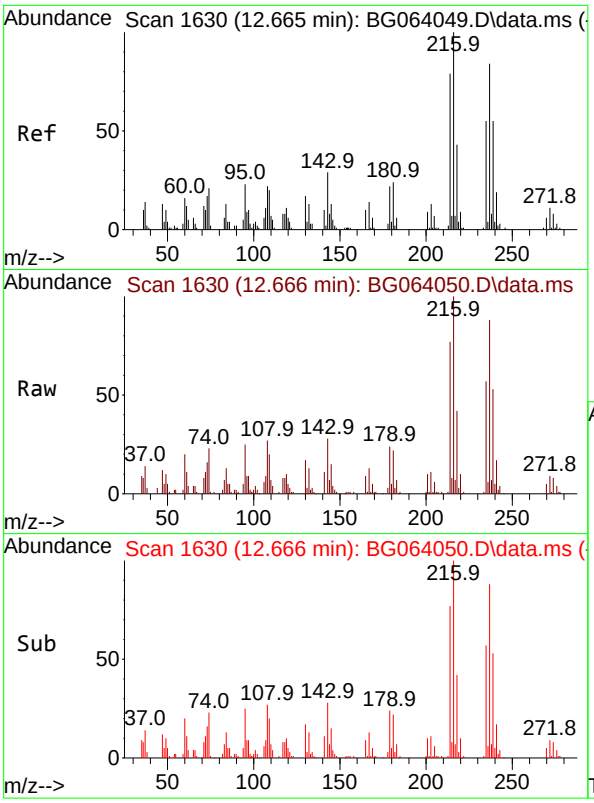


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.068 ng
RT: 12.677 min Scan# 1632
Delta R.T. -0.005 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:216 Resp: 154824

Ion	Ratio	Lower	Upper
216	100		
214	80.9	61.7	92.5
179	22.4	17.9	26.9
108	20.7	15.9	23.9

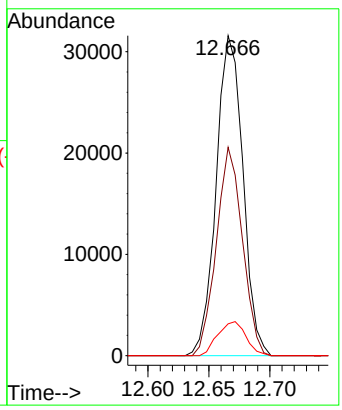




#41
Hexachlorocyclopentadiene
Concen: 54.295 ng
RT: 12.666 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:237 Resp: 4821

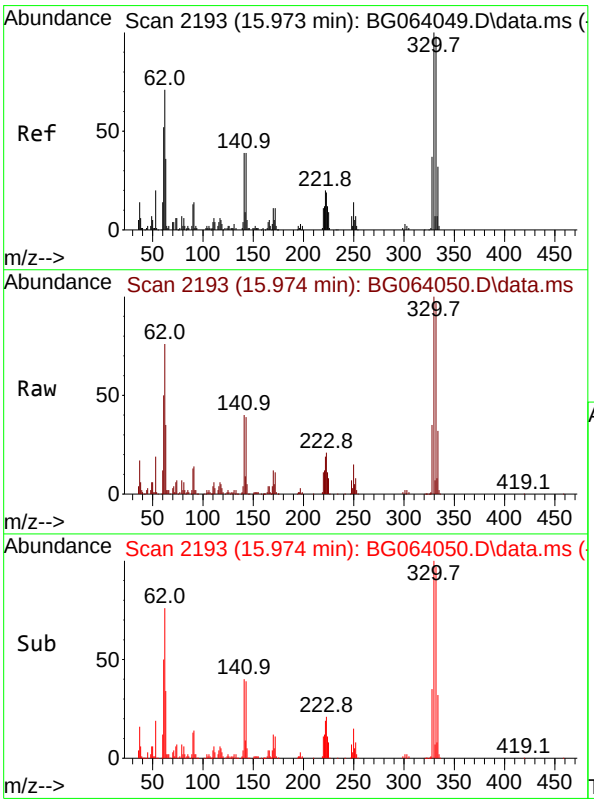
Ion	Ratio	Lower	Upper
237	100		
235	65.1	46.0	86.0
272	9.9	0.0	32.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

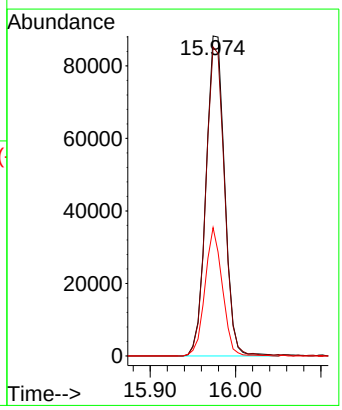
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

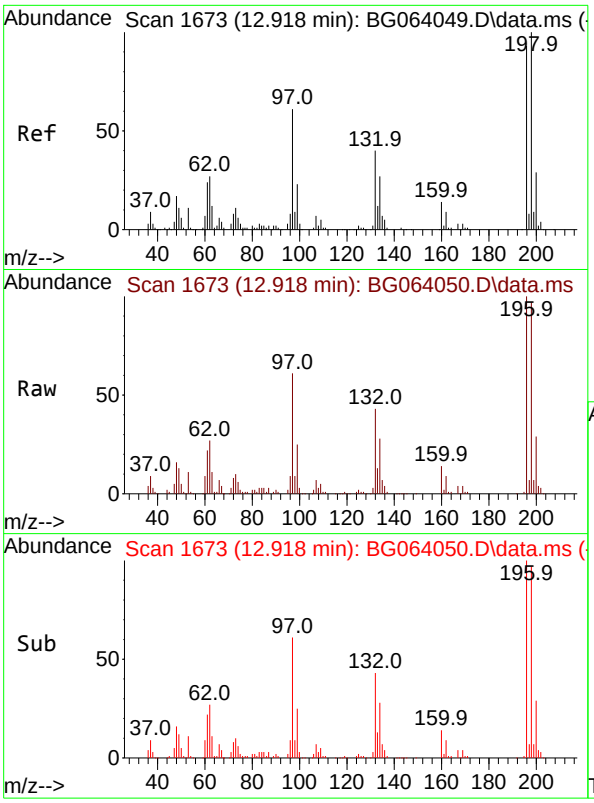


#42
2,4,6-Tribromophenol
Concen: 108.574 ng
RT: 15.974 min Scan# 2193
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:330 Resp: 133386

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	37.4	29.7	44.5

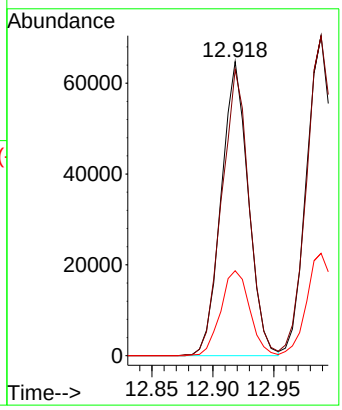




#43
2,4,6-Trichlorophenol
Concen: 53.786 ng
RT: 12.918 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:196 Resp: 10002

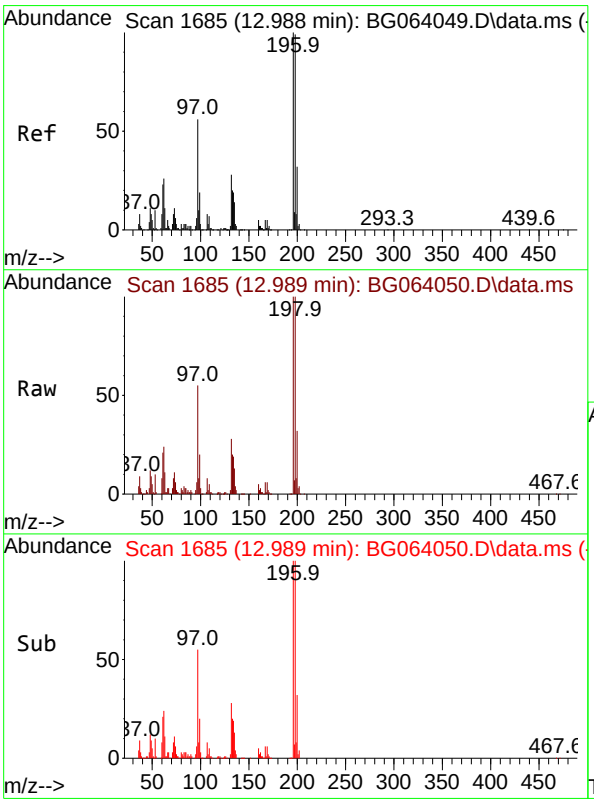
Ion	Ratio	Lower	Upper
196	100		
198	97.3	85.6	128.4
200	28.9	24.6	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

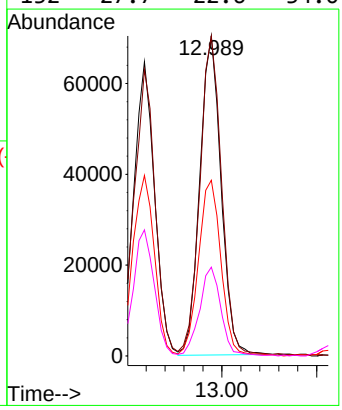
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

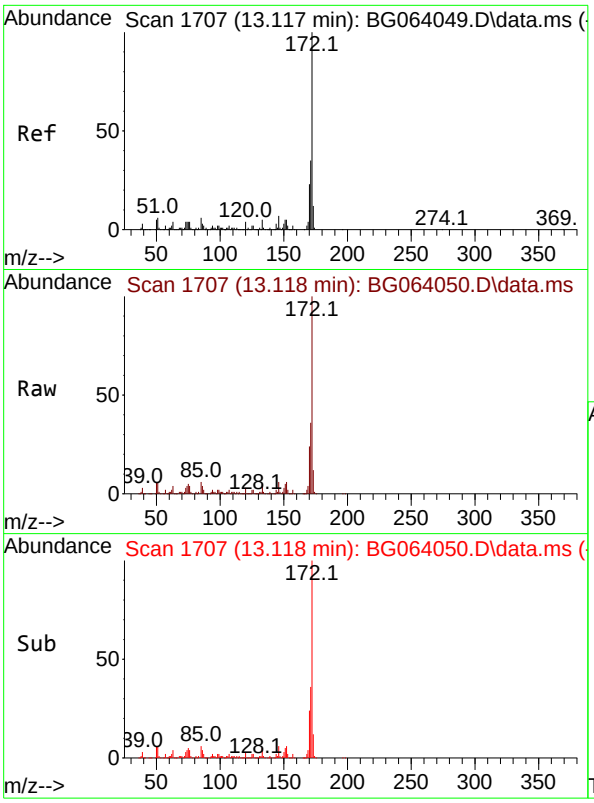


#44
2,4,5-Trichlorophenol
Concen: 52.900 ng
RT: 12.989 min Scan# 1685
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:196 Resp: 109309

Ion	Ratio	Lower	Upper
196	100		
198	99.9	79.5	119.3
97	54.9	45.2	67.8
132	27.7	22.6	34.0

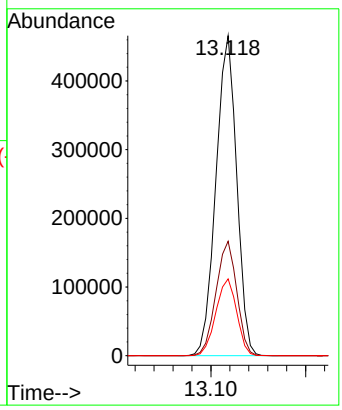




#45
2-Fluorobiphenyl
Concen: 97.354 ng
RT: 13.118 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:172 Resp: 70886

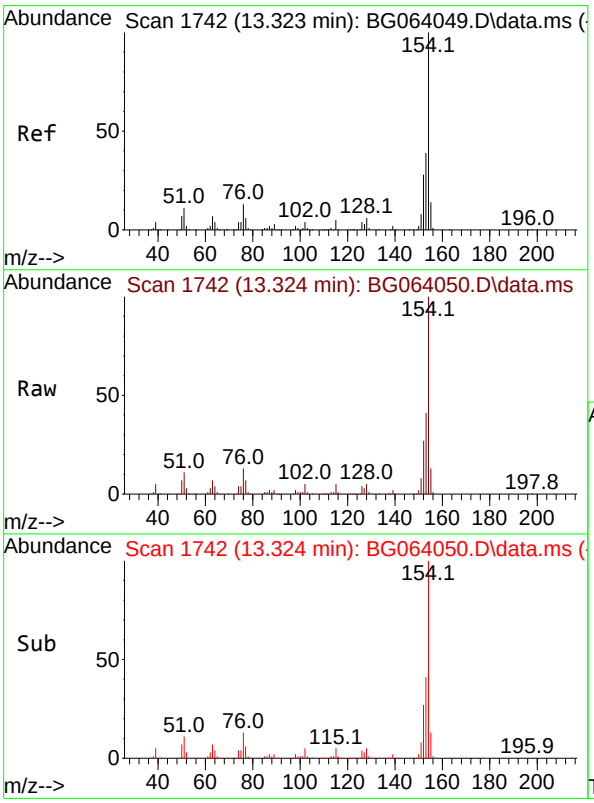
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.0	42.0
170	24.0	18.7	28.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

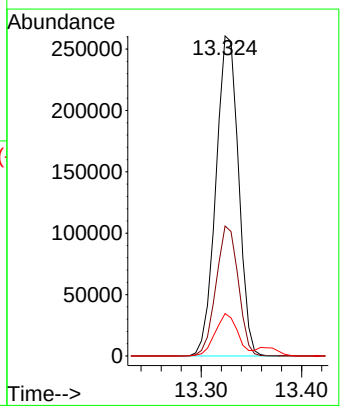
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

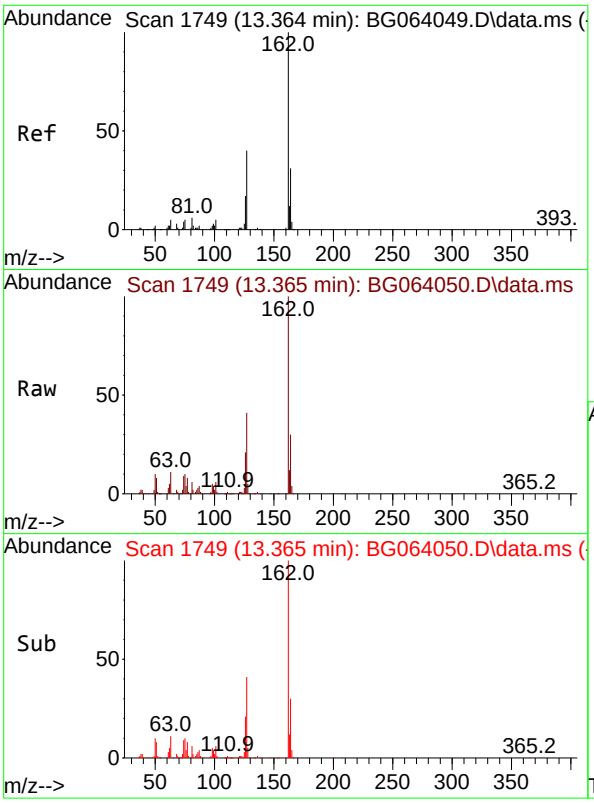


#46
1,1'-Biphenyl
Concen: 48.802 ng
RT: 13.324 min Scan# 1742
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:154 Resp: 407499

Ion	Ratio	Lower	Upper
154	100		
153	40.6	19.5	59.5
76	13.2	0.0	33.5

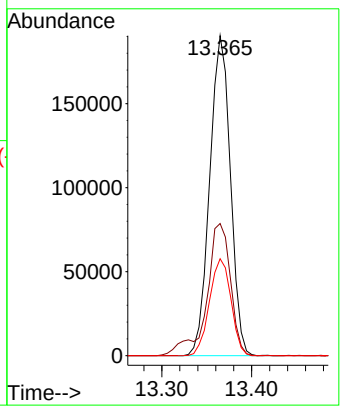




#47
2-Chloronaphthalene
Concen: 49.991 ng
RT: 13.365 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:162 Resp: 30444

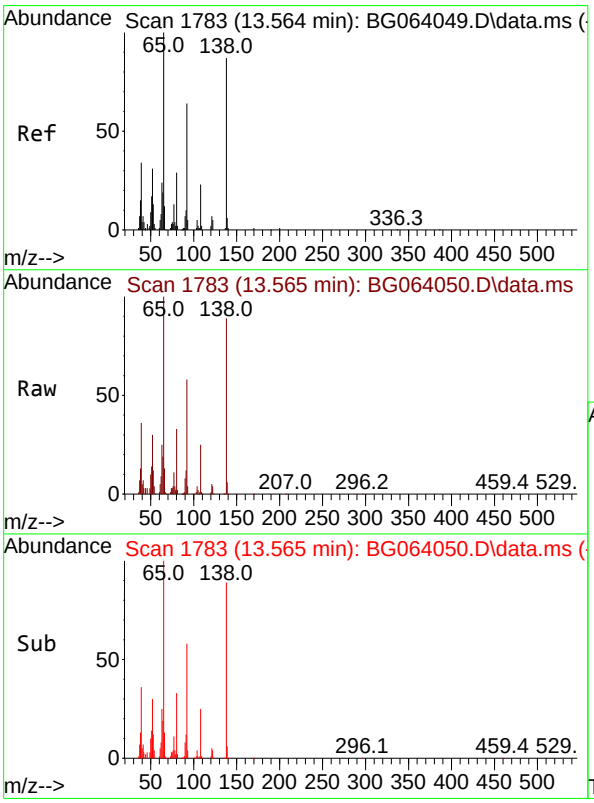
Ion	Ratio	Lower	Upper
162	100		
127	41.3	35.0	52.4
164	30.3	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

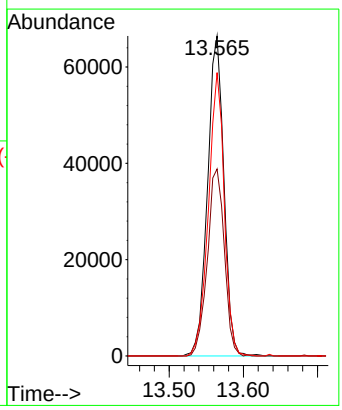
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

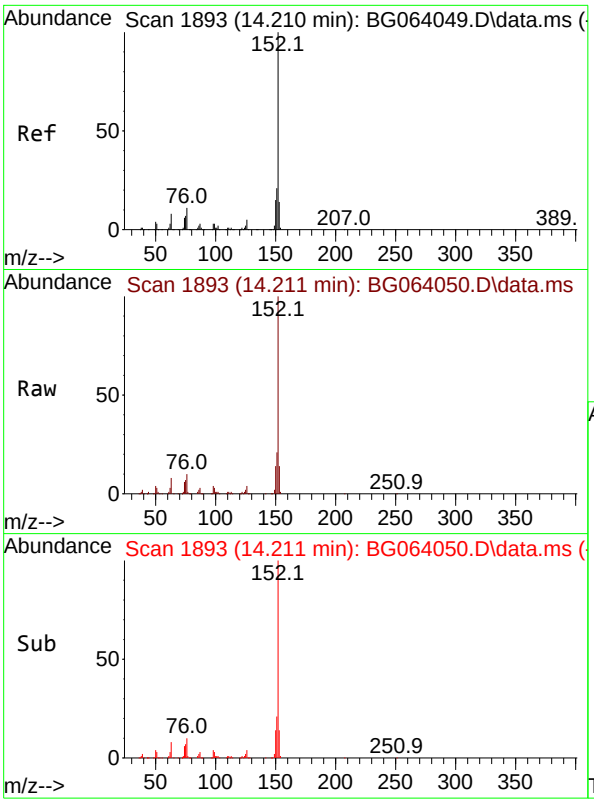


#48
2-Nitroaniline
Concen: 49.852 ng
RT: 13.565 min Scan# 1783
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 65 Resp: 101610

Ion	Ratio	Lower	Upper
65	100		
92	58.4	51.2	76.8
138	88.5	69.4	104.2

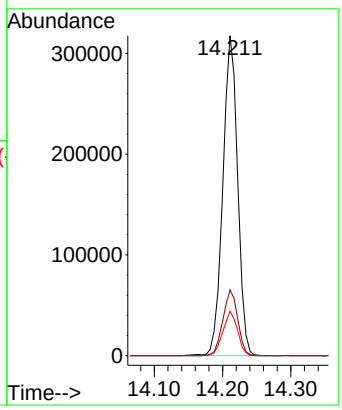




#49
Acenaphthylene
Concen: 49.779 ng
RT: 14.211 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:152 Resp: 47949

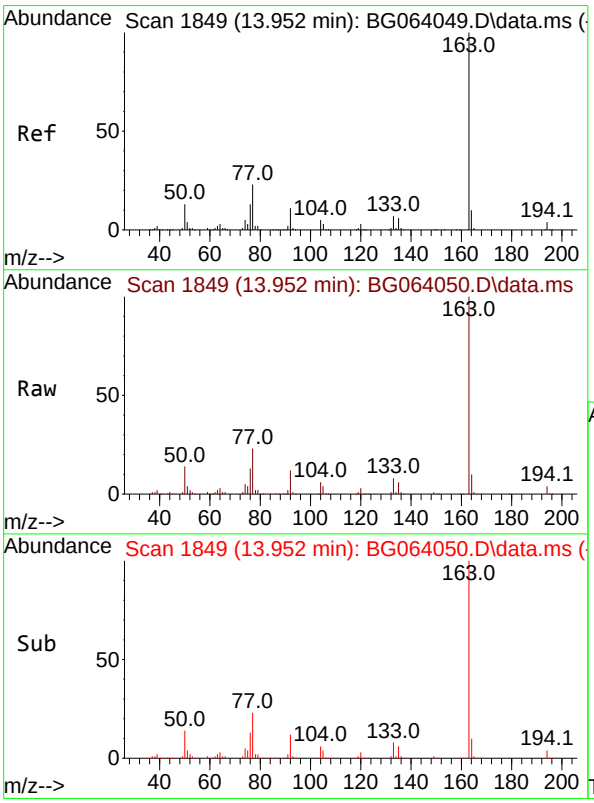
Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.4	24.6
153	13.8	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
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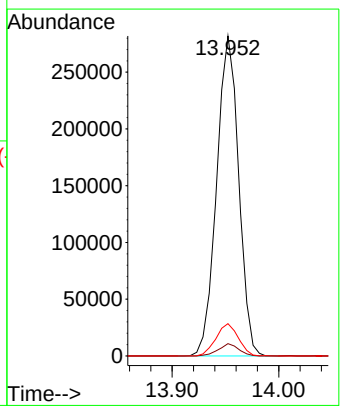
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

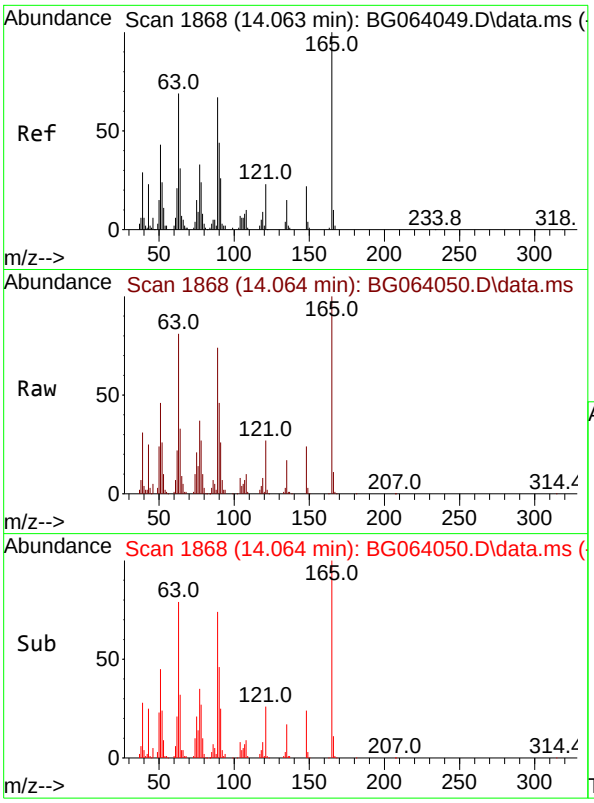


#50
Dimethylphthalate
Concen: 49.555 ng
RT: 13.952 min Scan# 1849
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:163 Resp: 404288

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	10.1	8.2	12.2

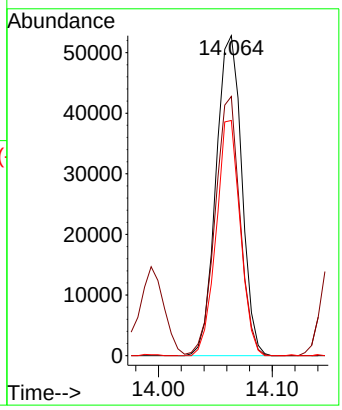




#51
2,6-Dinitrotoluene
Concen: 49.957 ng
RT: 14.064 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:165 Resp: 8292

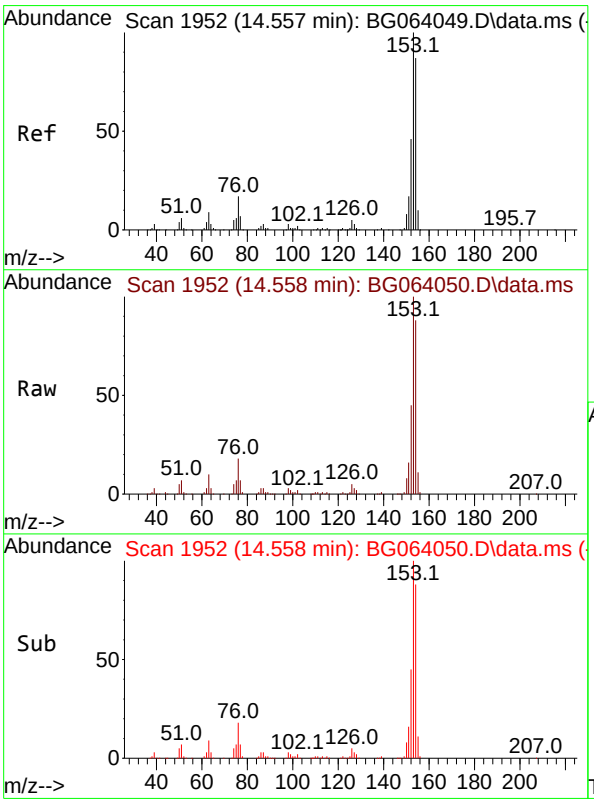
Ion	Ratio	Lower	Upper
165	100		
63	81.0	56.7	85.1
89	73.5	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

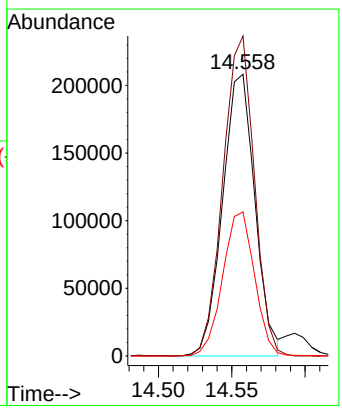
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

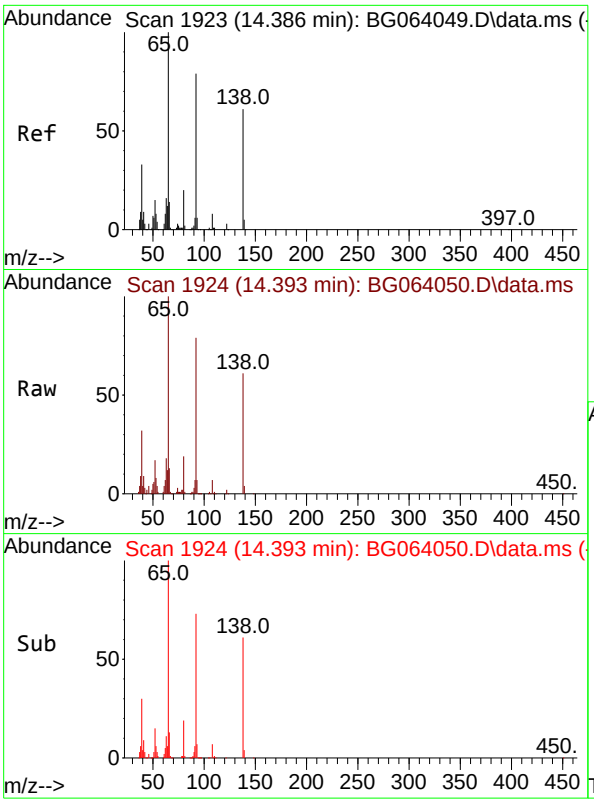


#52
Acenaphthene
Concen: 49.442 ng m
RT: 14.558 min Scan# 1952
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:154 Resp: 320276

Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.6	137.4
152	51.1	42.5	63.7





#53
3-Nitroaniline
Concen: 54.830 ng
RT: 14.393 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

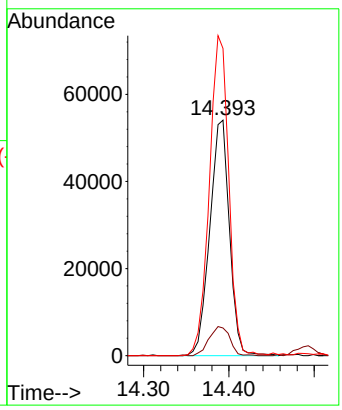
Tgt Ion:138 Resp: 8645

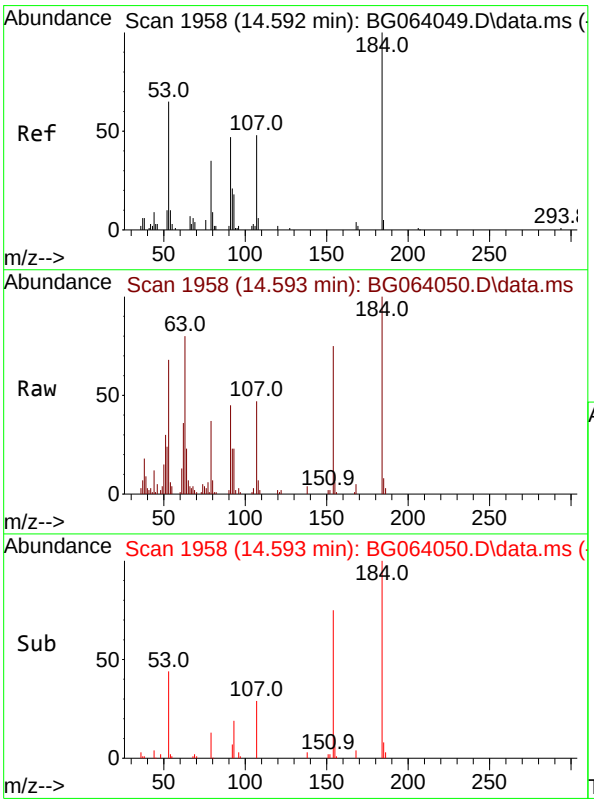
Ion	Ratio	Lower	Upper
138	100		
108	11.7	10.1	15.1
92	130.4	104.1	156.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

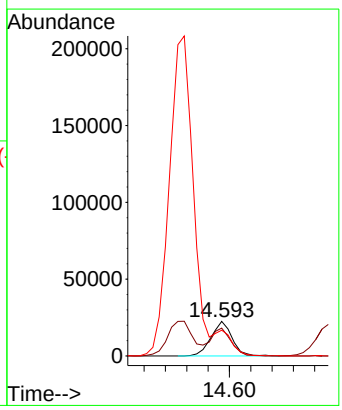


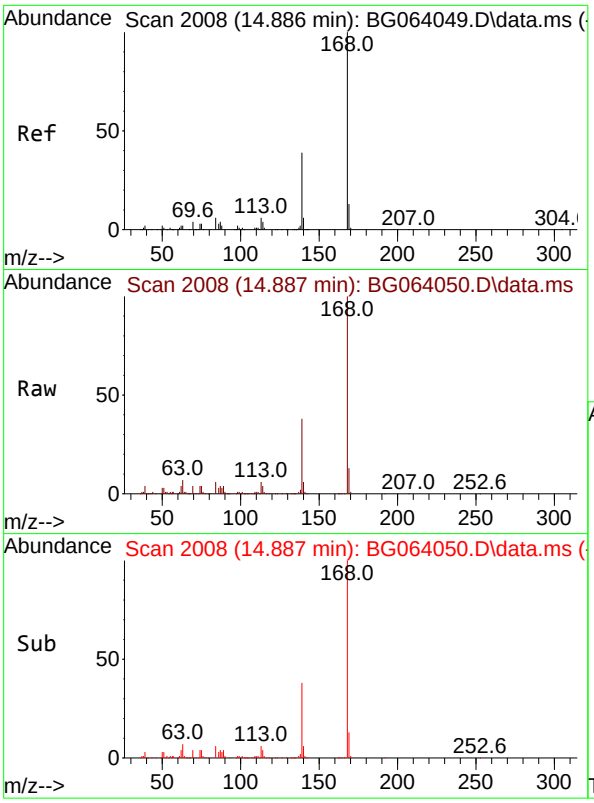


#54
2,4-Dinitrophenol
Concen: 48.003 ng
RT: 14.593 min Scan# 1958
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:184 Resp: 30713

Ion	Ratio	Lower	Upper
184	100		
63	80.4	57.5	86.3
154	74.7	52.3	78.5

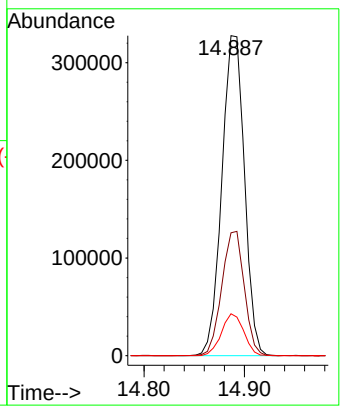




#55
Dibenzofuran
Concen: 48.883 ng
RT: 14.887 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:168 Resp: 51192

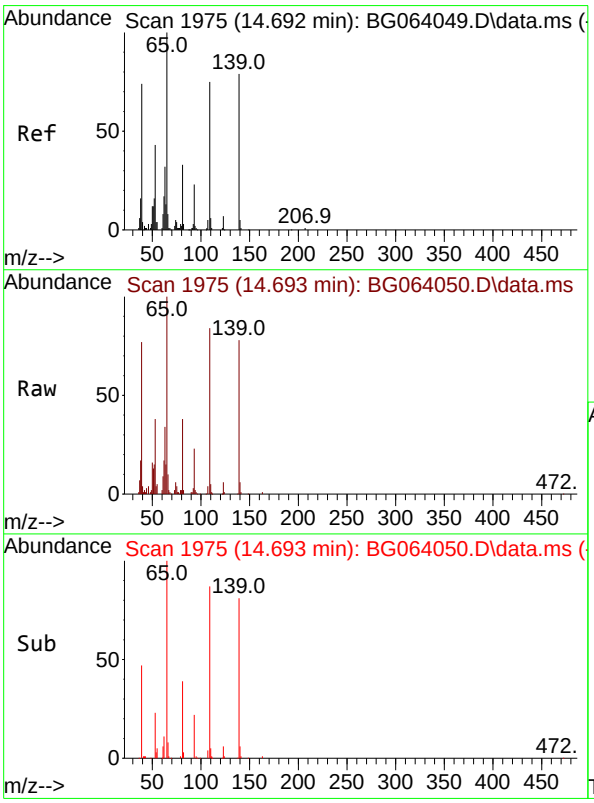
Ion	Ratio	Lower	Upper
168	100		
139	38.4	31.1	46.7
169	13.1	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

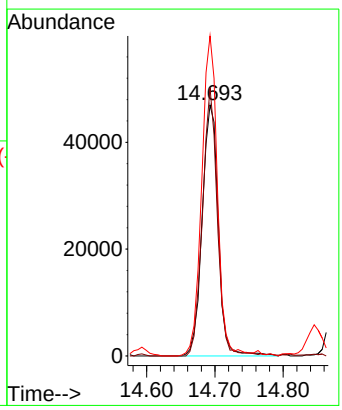
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

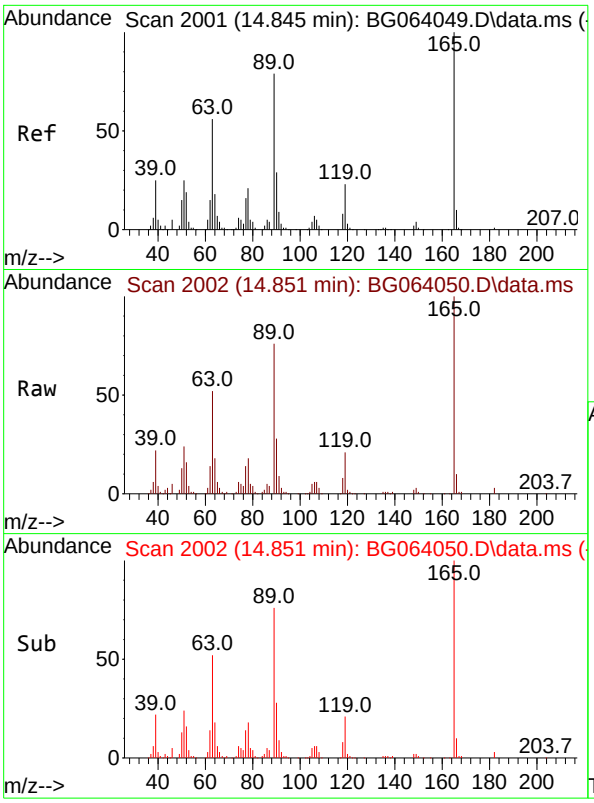


#56
4-Nitrophenol
Concen: 58.485 ng
RT: 14.693 min Scan# 1975
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:139 Resp: 77342

Ion	Ratio	Lower	Upper
139	100		
109	106.8	74.9	114.9
65	127.5	106.8	146.8

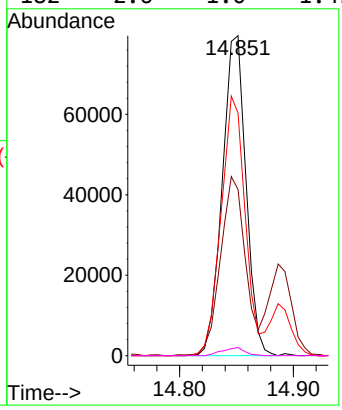




#57
2,4-Dinitrotoluene
Concen: 50.361 ng
RT: 14.851 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:165 Resp: 11545

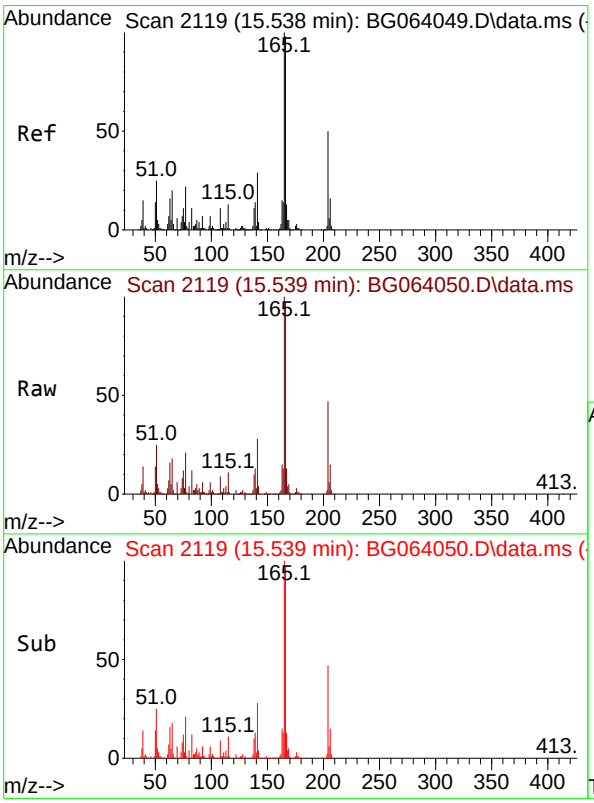
Ion	Ratio	Lower	Upper
165	100		
63	51.9	45.0	67.6
89	75.8	63.1	94.7
182	2.6	1.0	1.4#



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
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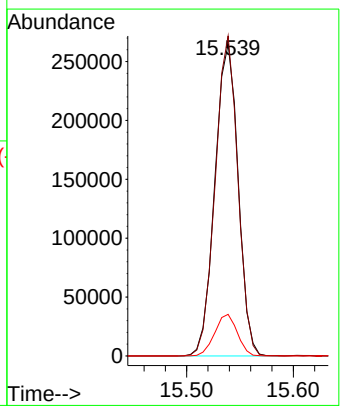
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

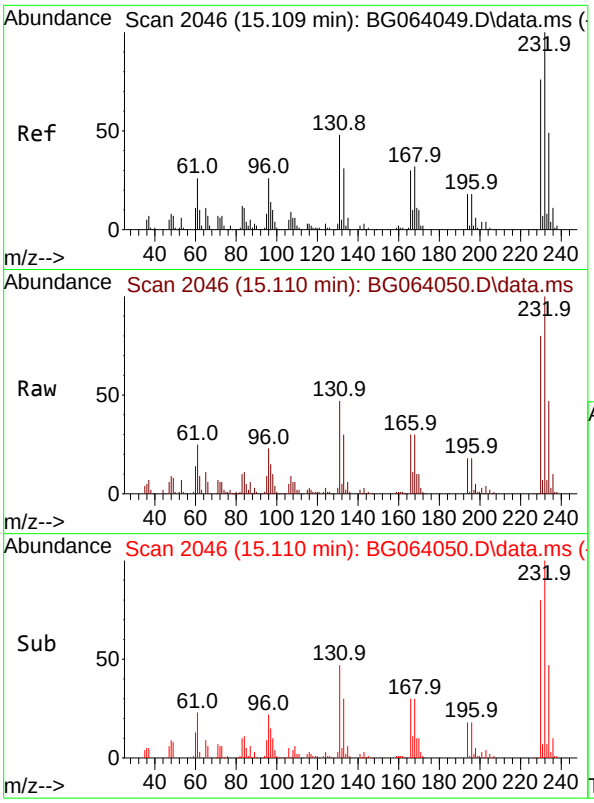


#58
Fluorene
Concen: 49.182 ng
RT: 15.539 min Scan# 2119
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:166 Resp: 401156

Ion	Ratio	Lower	Upper
166	100		
165	102.7	81.8	122.8
167	13.4	10.8	16.2

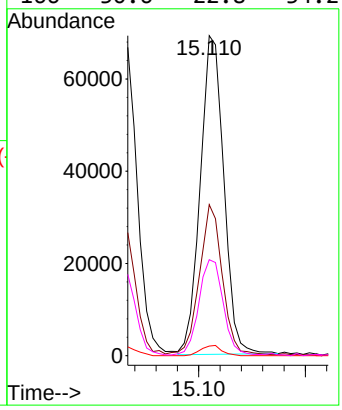




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.772 ng
RT: 15.110 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:232 Resp: 10630

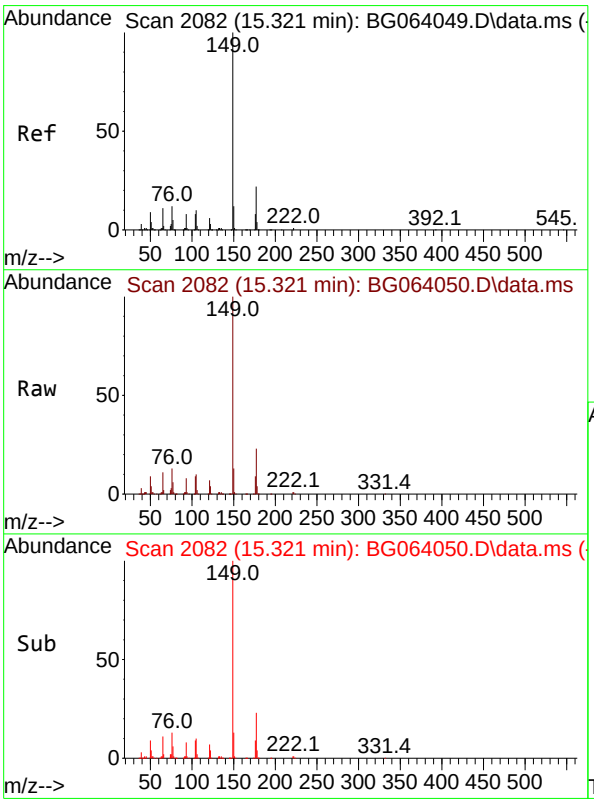
Ion	Ratio	Lower	Upper
232	100		
131	45.8	36.3	54.5
130	2.9	1.9	2.9
166	30.6	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

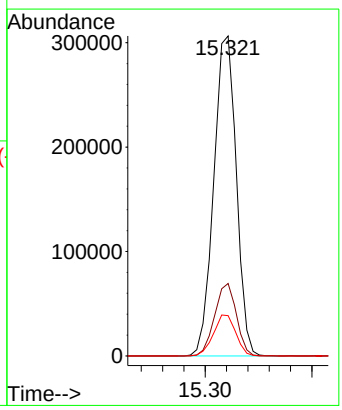
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

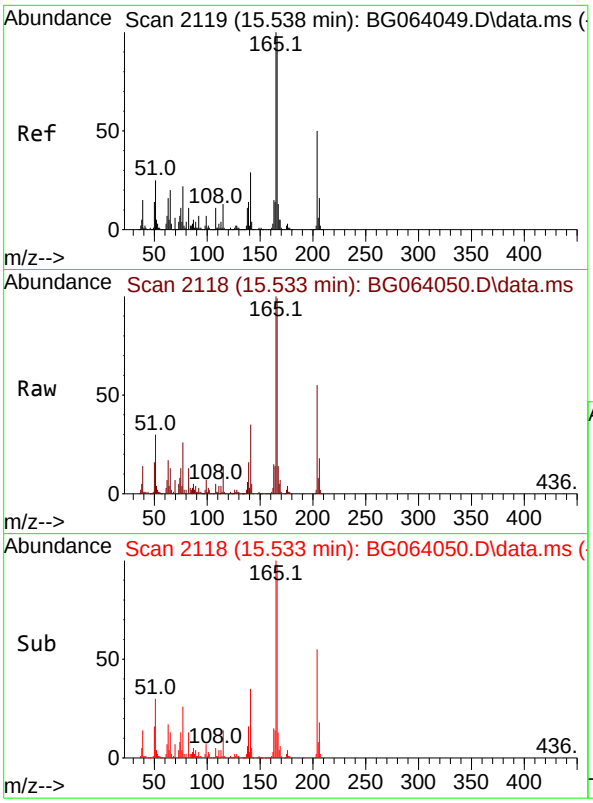


#60
Diethylphthalate
Concen: 50.673 ng
RT: 15.321 min Scan# 2082
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:149 Resp: 448796

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.4	26.2
150	12.6	9.4	14.2

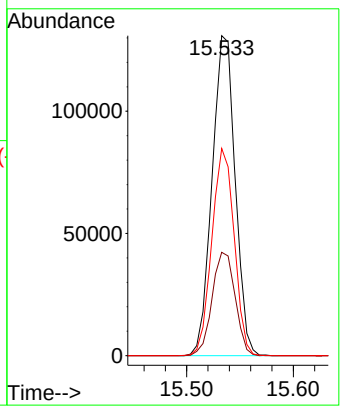




#61
4-Chlorophenyl-phenylether
Concen: 48.525 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:204 Resp: 19668

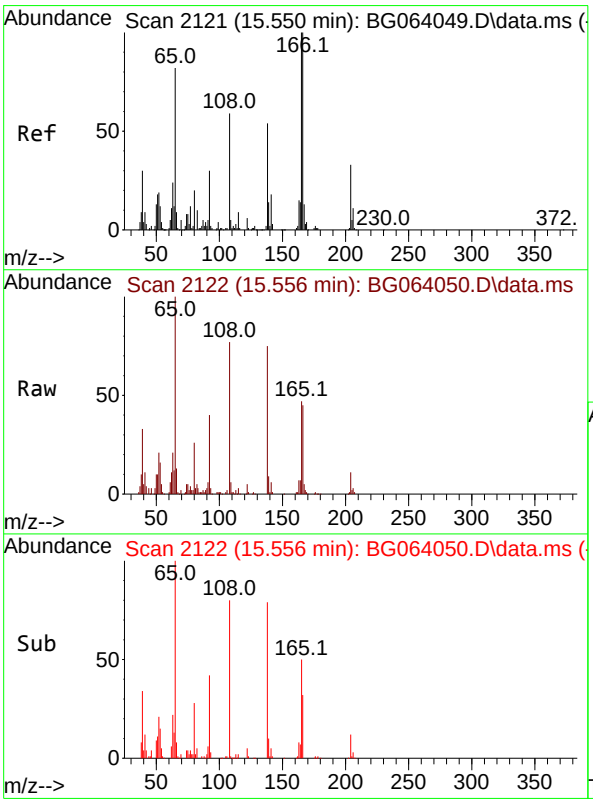
Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.5	38.3
141	64.7	45.4	68.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
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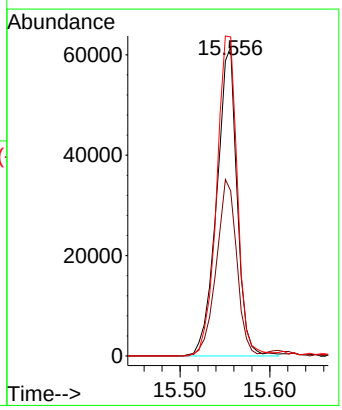
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

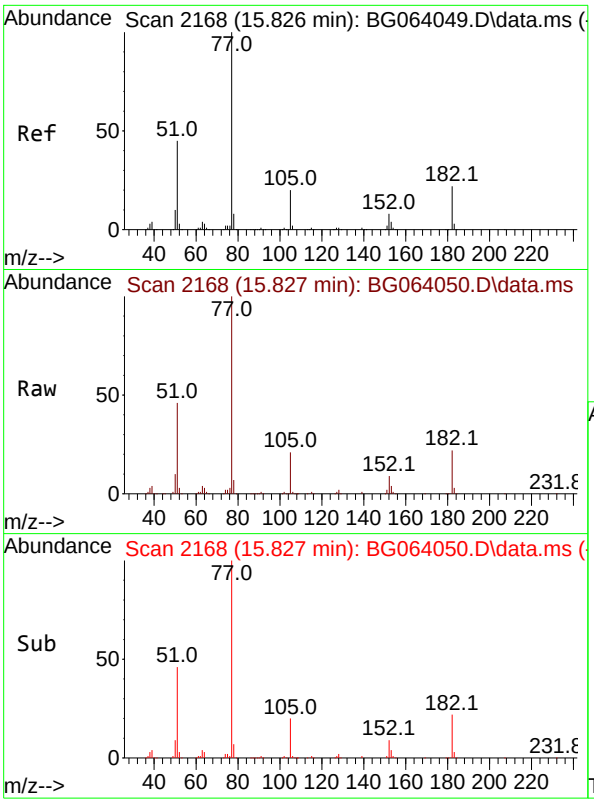


#62
4-Nitroaniline
Concen: 56.899 ng
RT: 15.556 min Scan# 2122
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:138 Resp: 96864

Ion	Ratio	Lower	Upper
138	100		
92	53.5	36.1	76.1
108	103.2	87.9	127.9

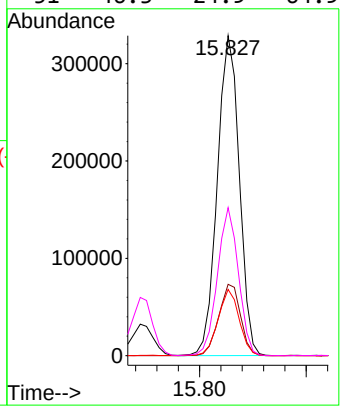




#63
Azobenzene
Concen: 49.712 ng
RT: 15.827 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 77 Resp: 46983

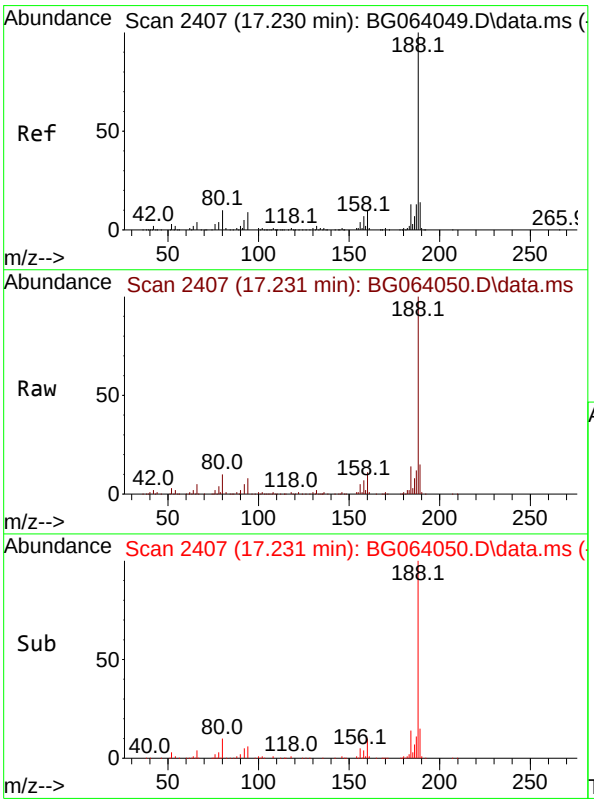
Ion	Ratio	Lower	Upper
77	100		
182	22.3	2.4	42.4
105	20.7	0.0	40.0
51	46.3	24.9	64.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
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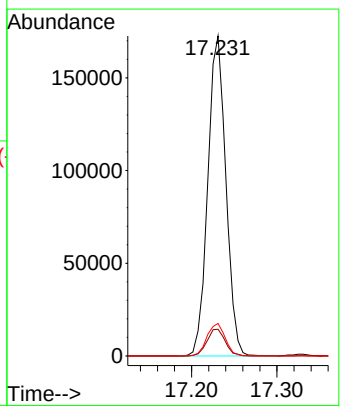
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

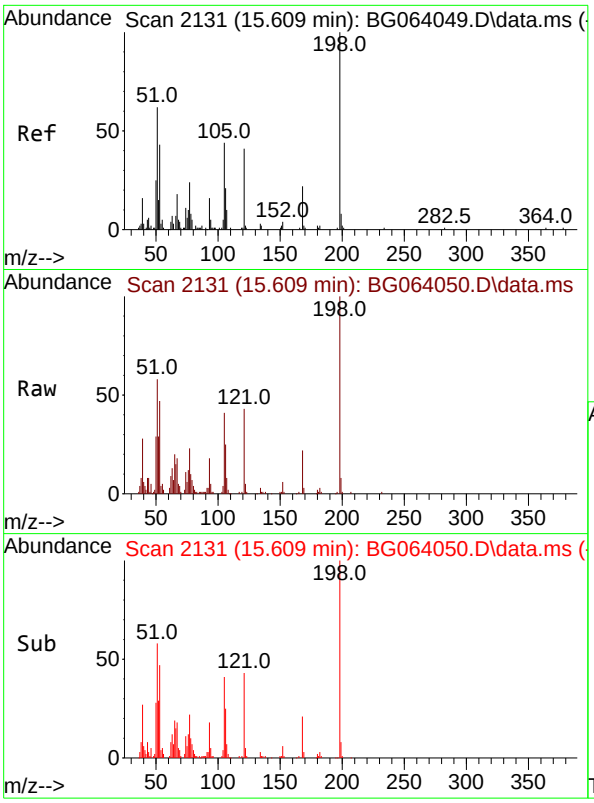


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.231 min Scan# 2407
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:188 Resp: 254221

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.9	10.3
80	10.1	8.1	12.1





#65
4,6-Dinitro-2-methylphenol
Concen: 47.566 ng
RT: 15.609 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

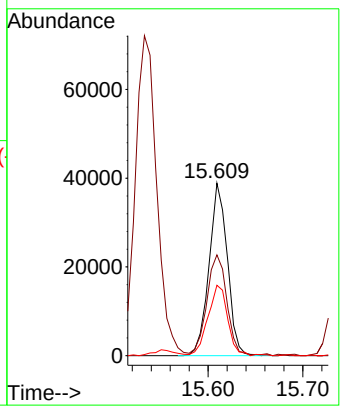
Tgt Ion:198 Resp: 5214

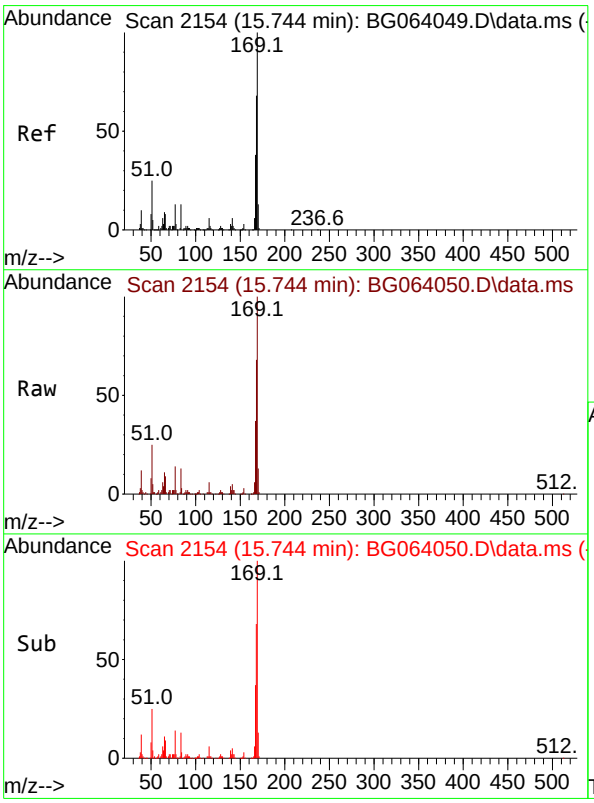
Ion	Ratio	Lower	Upper
198	100		
51	58.5	45.6	85.6
105	40.9	25.3	65.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

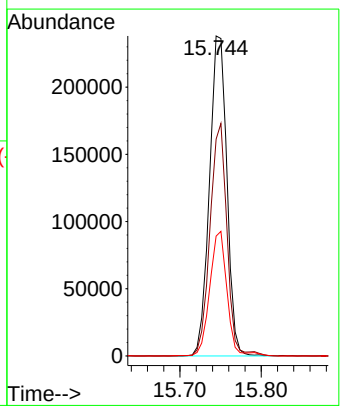


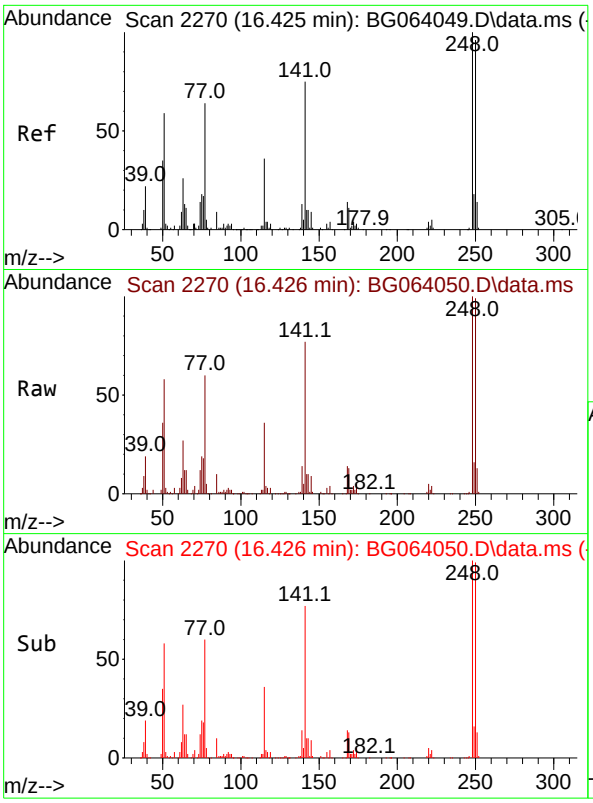


#66
n-Nitrosodiphenylamine
Concen: 49.240 ng
RT: 15.744 min Scan# 2154
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:169 Resp: 354329

Ion	Ratio	Lower	Upper
169	100		
168	67.8	54.1	81.1
167	37.4	30.3	45.5

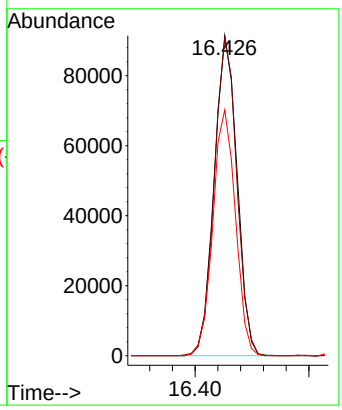




#67
4-Bromophenyl-phenylether
Concen: 48.903 ng
RT: 16.426 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:248 Resp: 12732

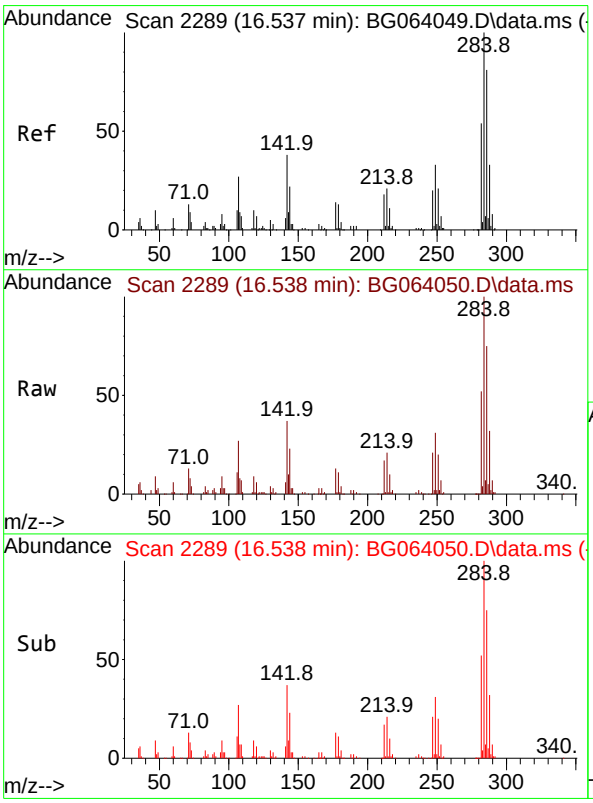
Ion	Ratio	Lower	Upper
248	100		
250	99.3	77.1	115.7
141	76.8	59.8	89.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
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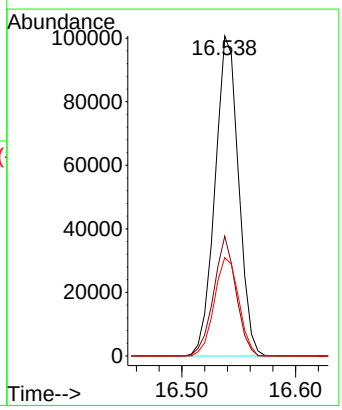
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

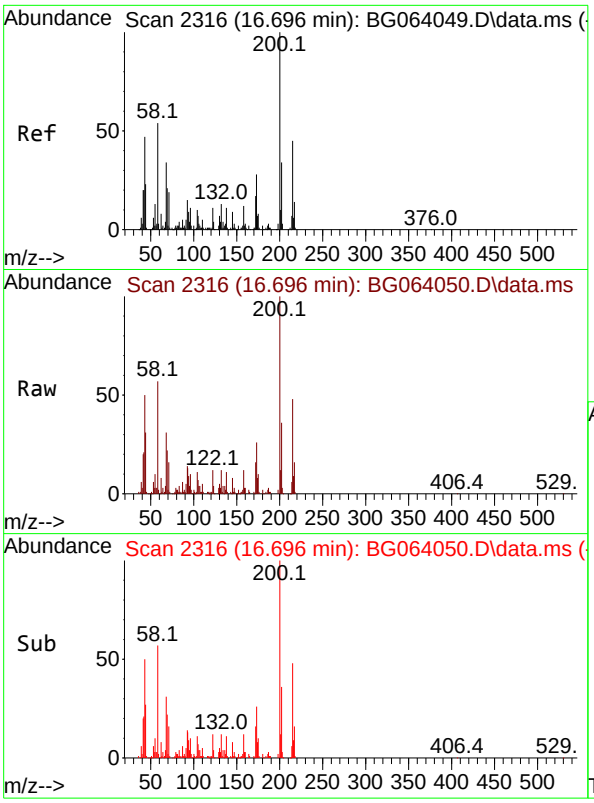


#68
Hexachlorobenzene
Concen: 49.646 ng
RT: 16.538 min Scan# 2289
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:284 Resp: 144717

Ion	Ratio	Lower	Upper
284	100		
142	37.4	30.6	45.8
249	30.7	26.6	39.8





#69
Atrazine
Concen: 38.632 ng
RT: 16.696 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

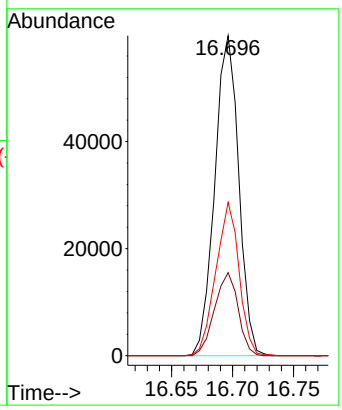
Tgt Ion:200 Resp: 8179

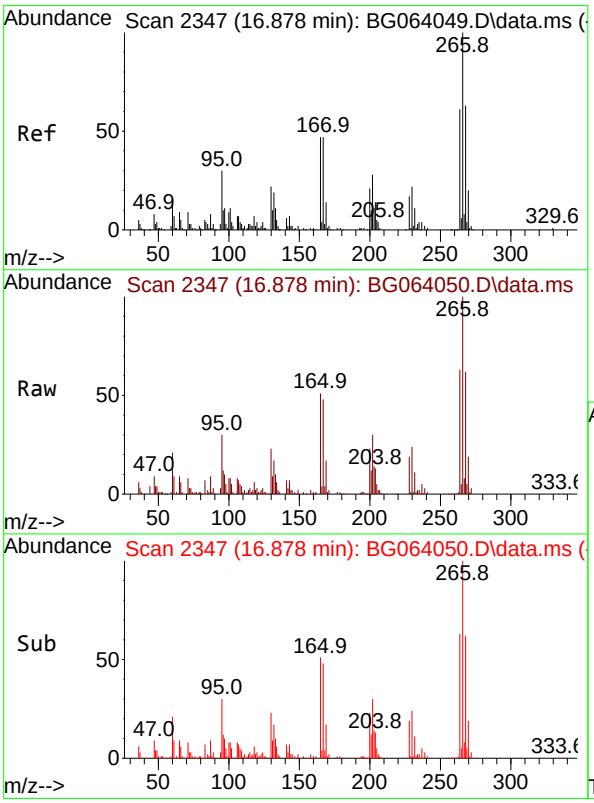
Ion	Ratio	Lower	Upper
200	100		
173	26.0	8.2	48.2
215	47.9	25.5	65.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

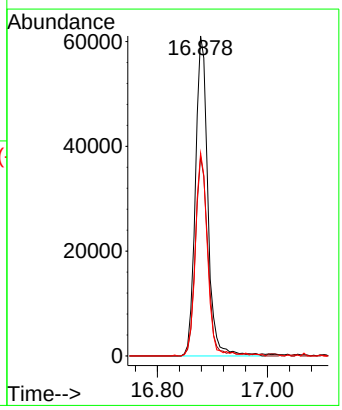


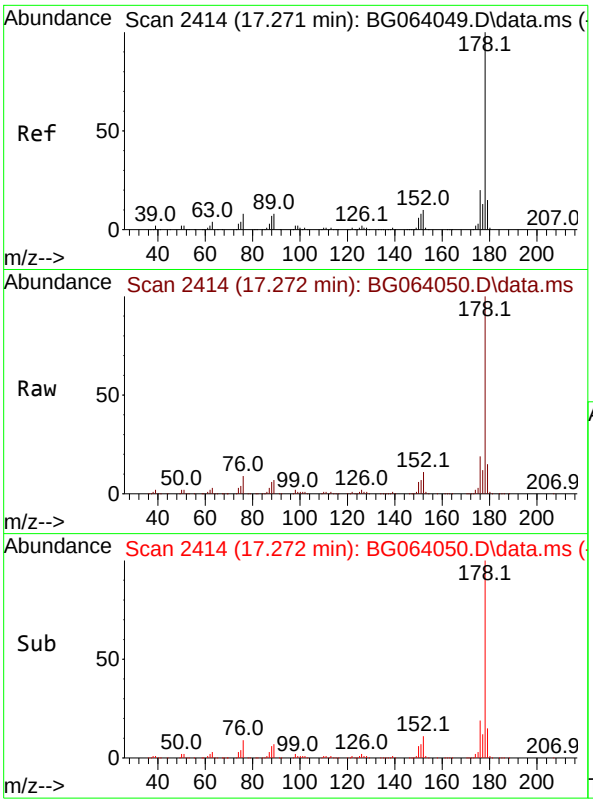


#70
Pentachlorophenol
Concen: 52.943 ng
RT: 16.878 min Scan# 2347
Delta R.T. 0.000 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:266 Resp: 95820

Ion	Ratio	Lower	Upper
266	100		
268	62.2	50.2	75.4
264	63.5	48.9	73.3

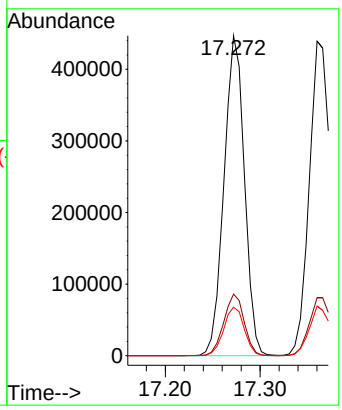




#71
Phenanthrene
Concen: 49.395 ng
RT: 17.272 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:178 Resp: 66977

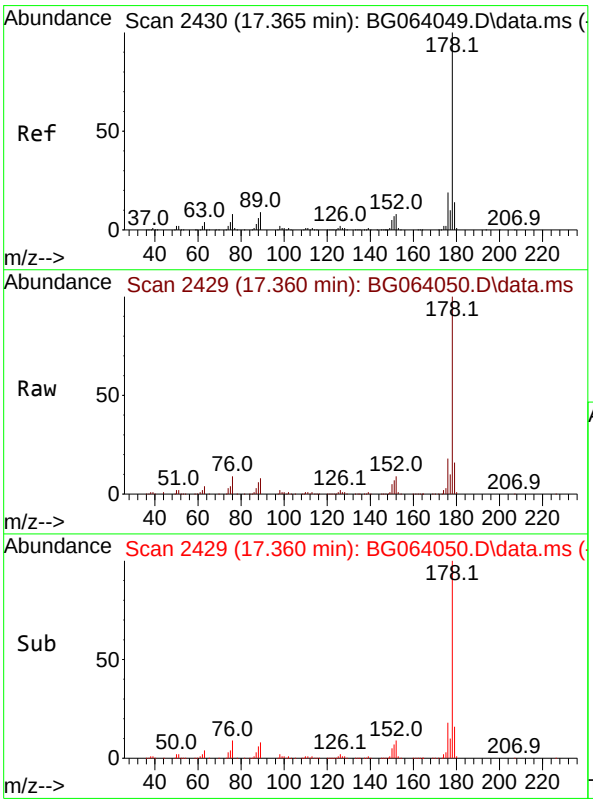
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	15.1	12.2	18.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

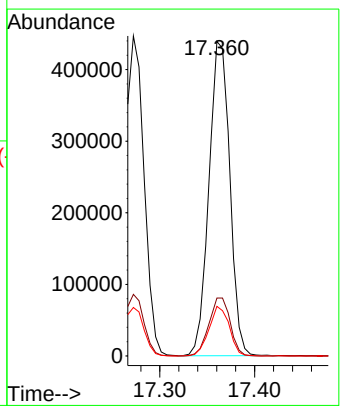
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

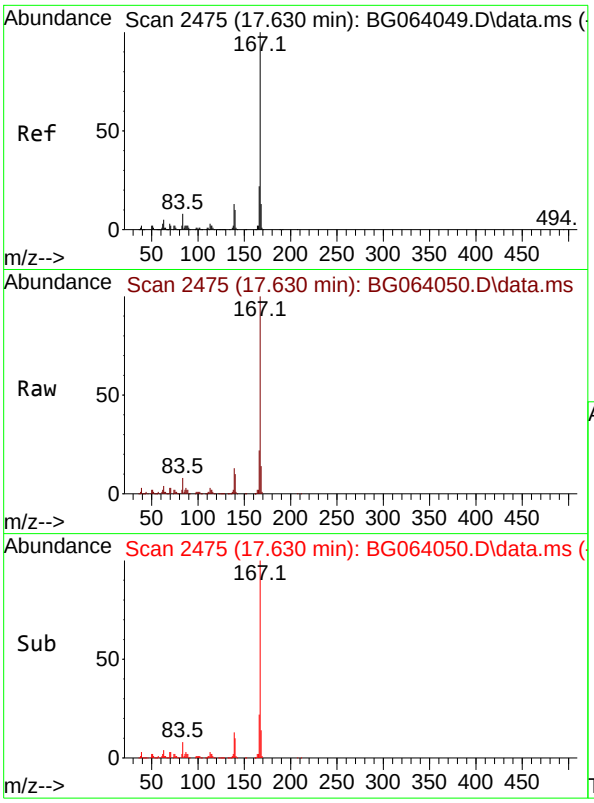


#72
Anthracene
Concen: 49.714 ng
RT: 17.360 min Scan# 2429
Delta R.T. -0.005 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:178 Resp: 670298

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.8	11.5	17.3

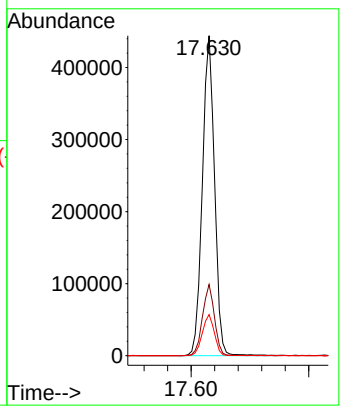




#73
Carbazole
Concen: 50.853 ng
RT: 17.630 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:167 Resp: 64016

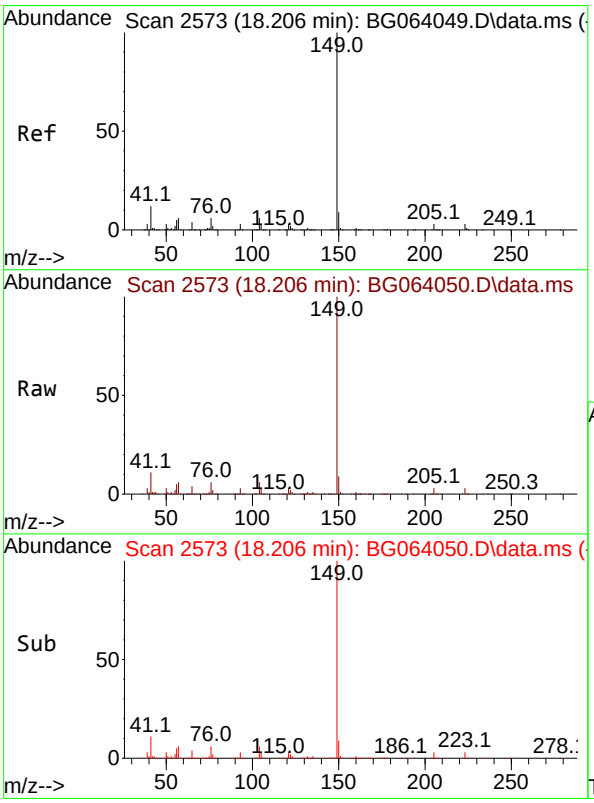
Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.0	27.0
139	12.9	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

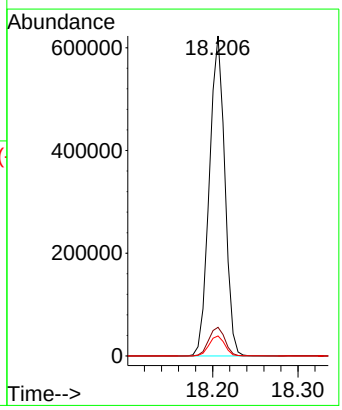
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

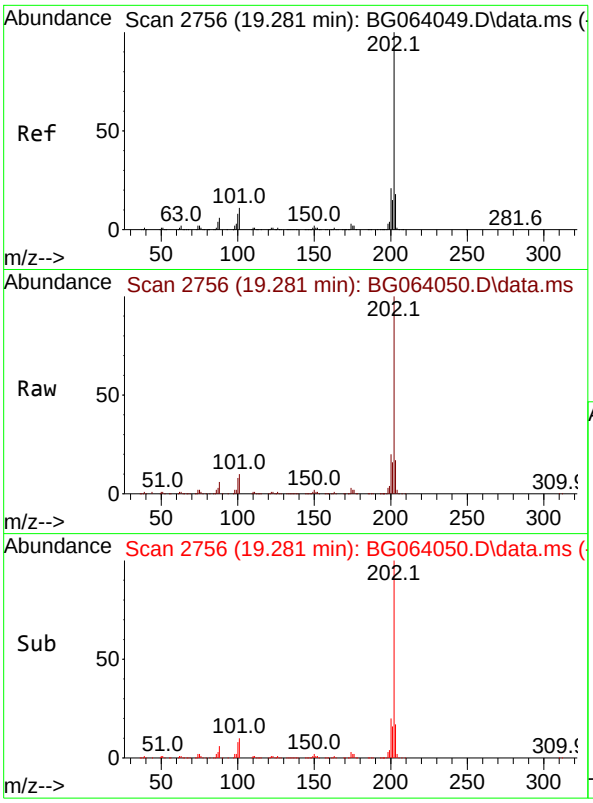


#74
Di-n-butylphthalate
Concen: 53.009 ng
RT: 18.206 min Scan# 2573
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:149 Resp: 785487

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	6.3	5.0	7.6

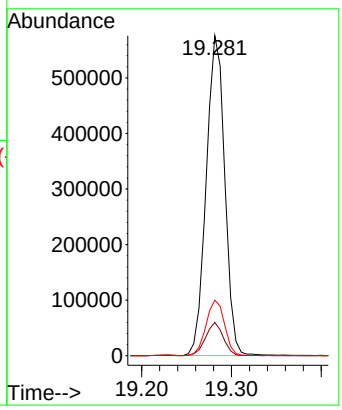




#75
Fluoranthene
Concen: 50.454 ng
RT: 19.281 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:202 Resp: 82476

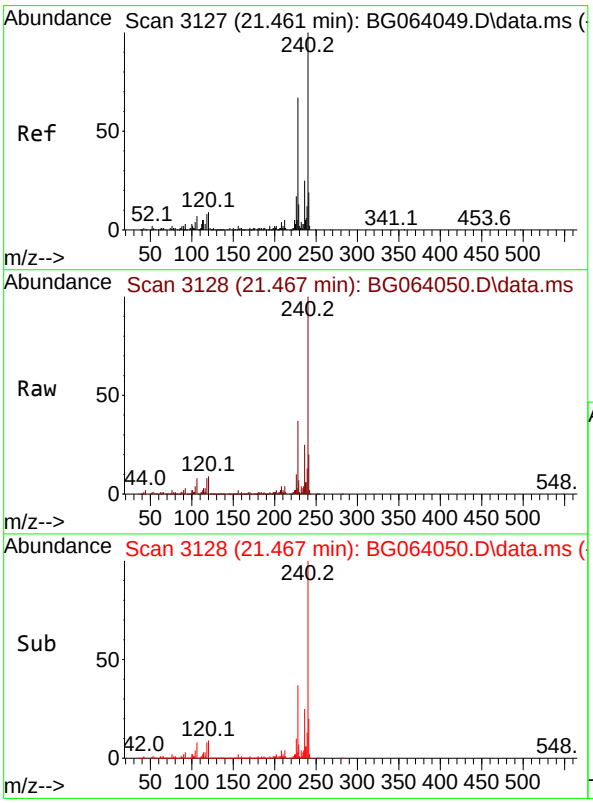
Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.5
203	17.4	0.0	38.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

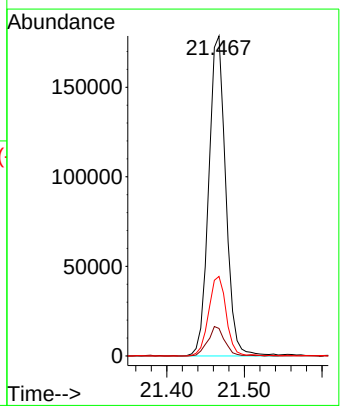
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

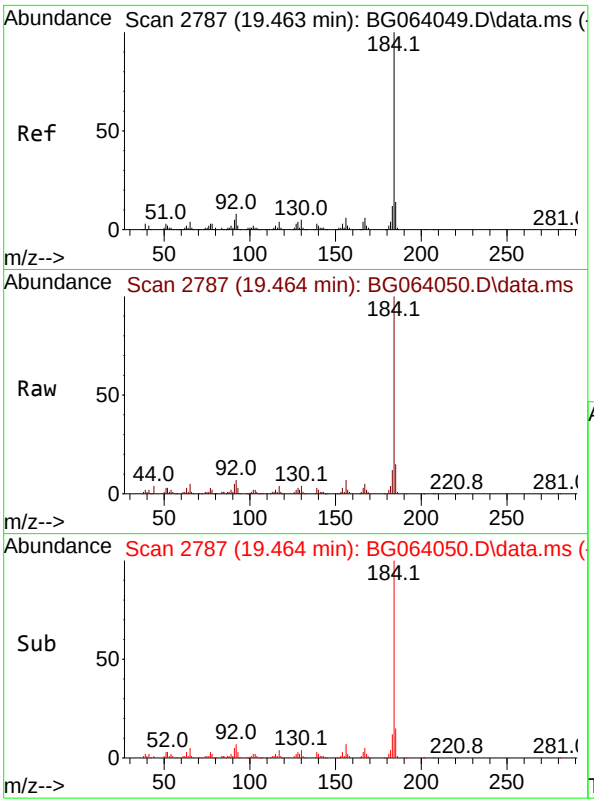


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.467 min Scan# 3128
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:240 Resp: 272579

Ion	Ratio	Lower	Upper
240	100		
120	8.6	7.2	10.8
236	24.8	20.2	30.2

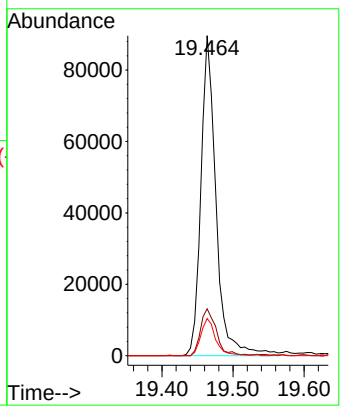




#77
Benzidine
Concen: 34.790 ng
RT: 19.464 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:184 Resp: 13312

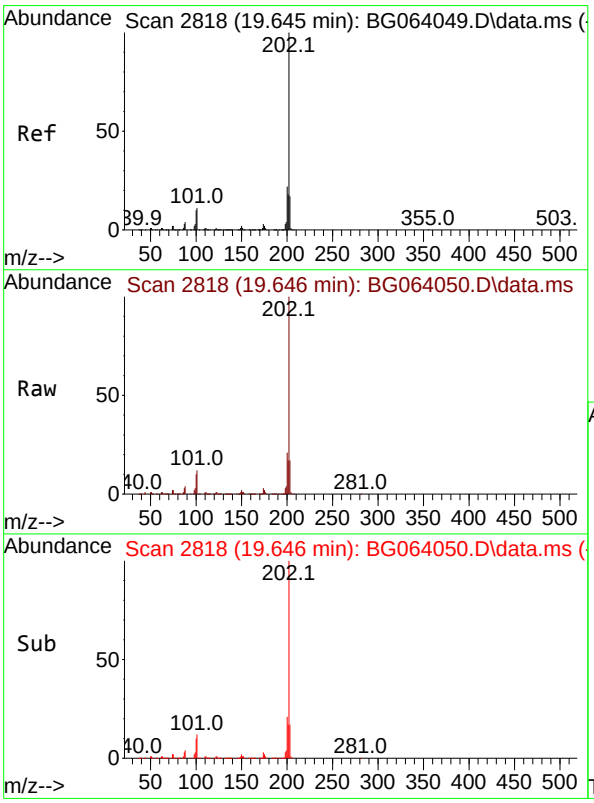
Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.3	16.9
183	11.6	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

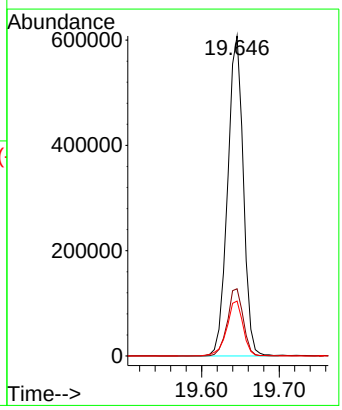
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

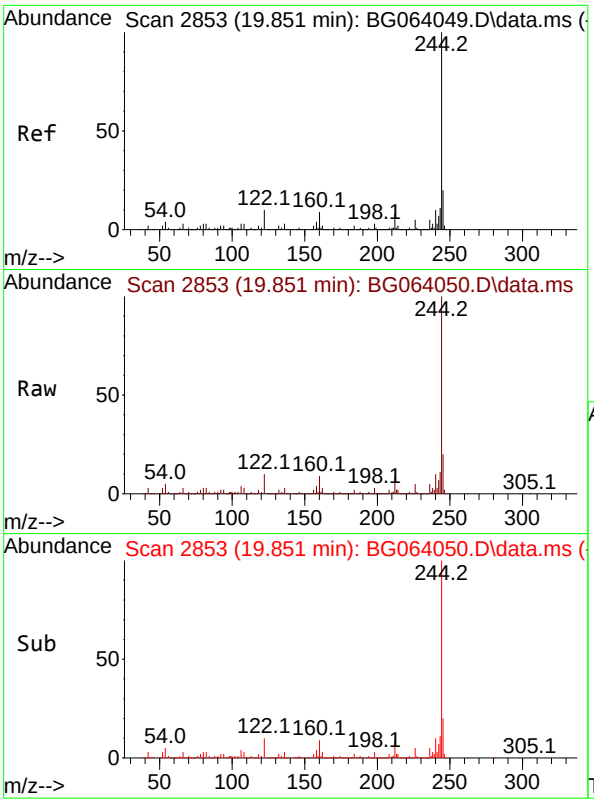


#78
Pyrene
Concen: 48.636 ng
RT: 19.646 min Scan# 2818
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:202 Resp: 854585

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.3	25.9
203	17.1	13.6	20.4

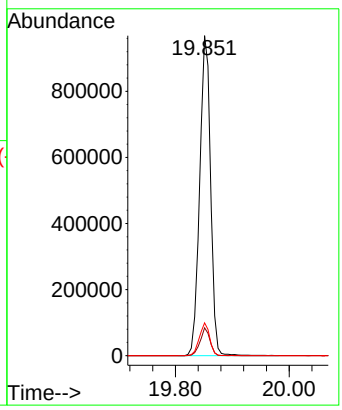




#79
Terphenyl-d14
Concen: 95.415 ng
RT: 19.851 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:244 Resp: 128626

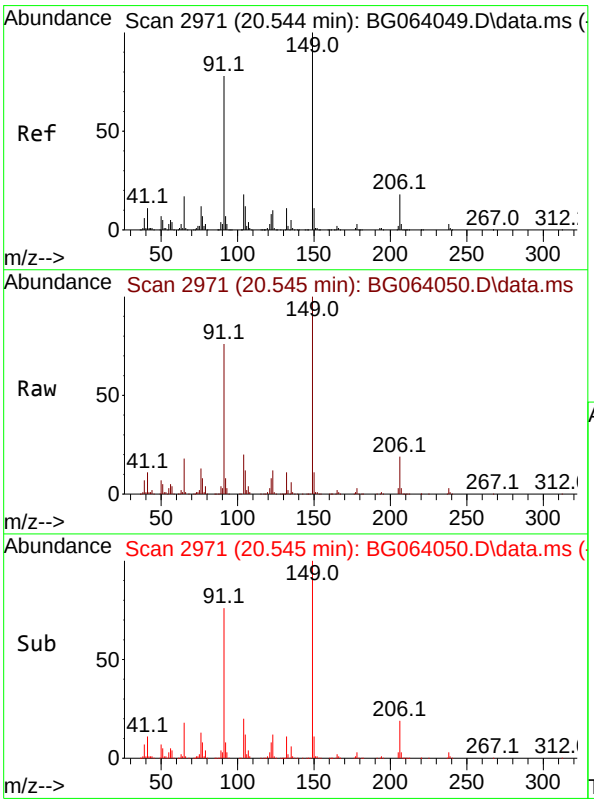
Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.2	9.4
122	10.3	8.0	12.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

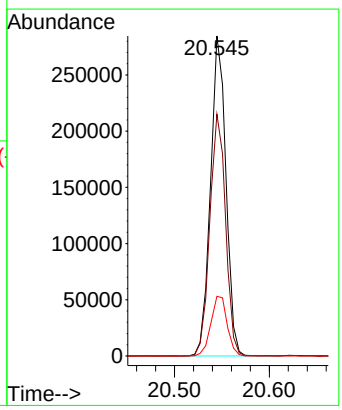
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

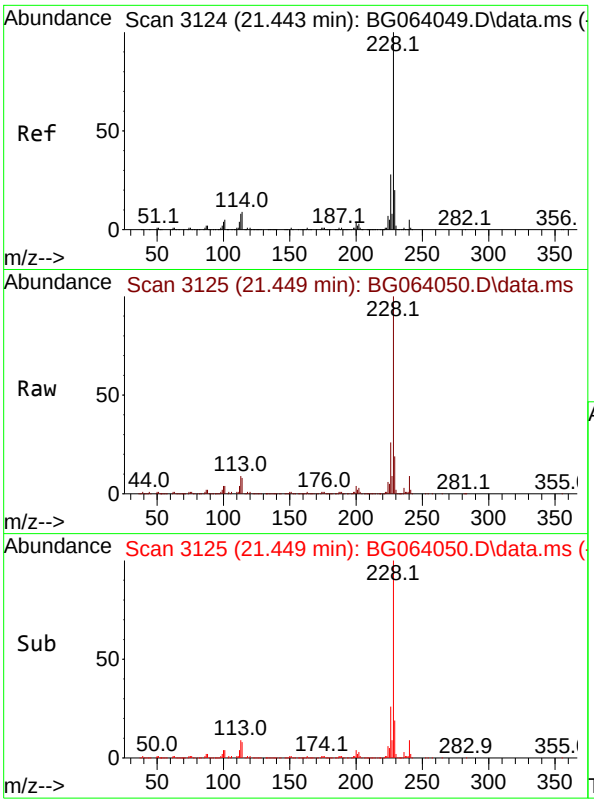


#80
Butylbenzylphthalate
Concen: 48.794 ng
RT: 20.545 min Scan# 2971
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:149 Resp: 322148

Ion	Ratio	Lower	Upper
149	100		
91	75.5	62.0	93.0
206	18.6	14.6	21.8





#81
Benzo(a)anthracene
Concen: 49.769 ng
RT: 21.449 min Scan# 3
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

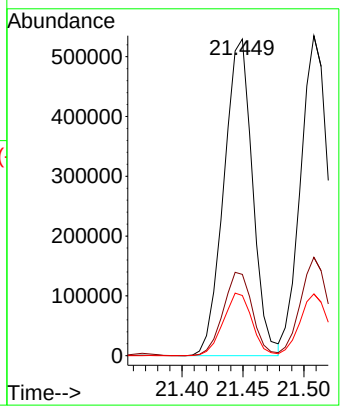
Tgt Ion:228 Resp: 86899

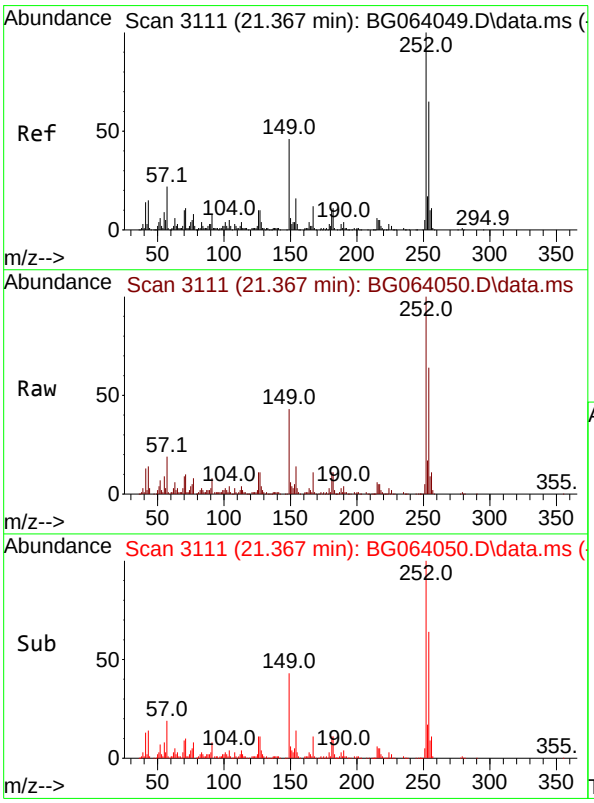
Ion	Ratio	Lower	Upper
228	100		
226	25.7	22.2	33.2
229	19.0	16.4	24.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

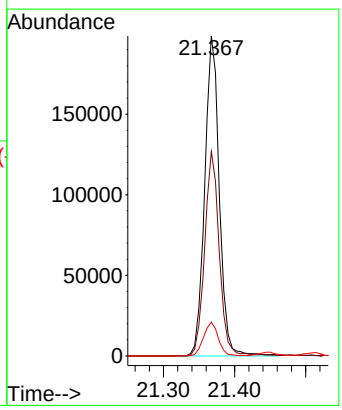


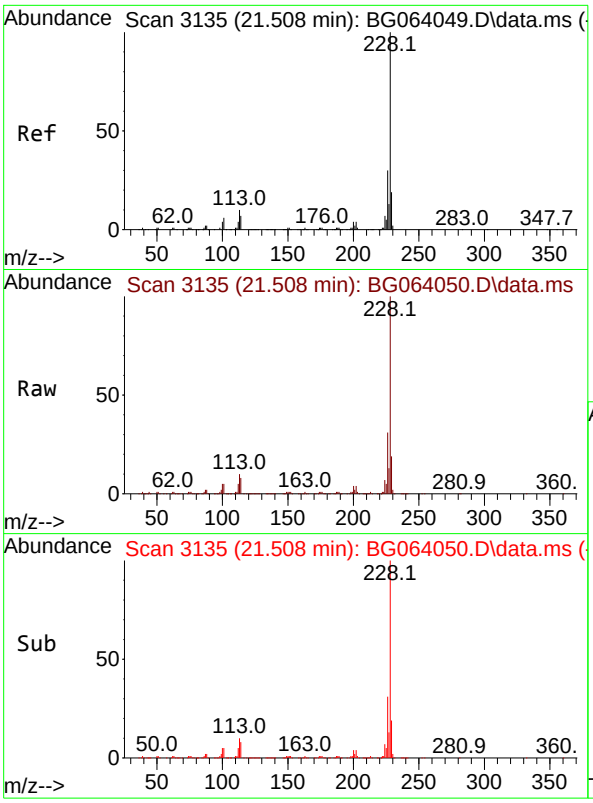


#82
3,3'-Dichlorobenzidine
Concen: 50.177 ng
RT: 21.367 min Scan# 3111
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:252 Resp: 283543

Ion	Ratio	Lower	Upper
252	100		
254	63.9	52.1	78.1
126	10.6	7.8	11.8

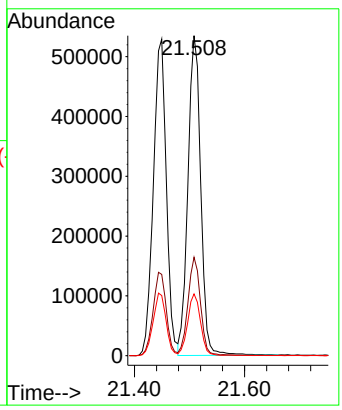




#83
Chrysene
Concen: 49.437 ng
RT: 21.508 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:228 Resp: 86092

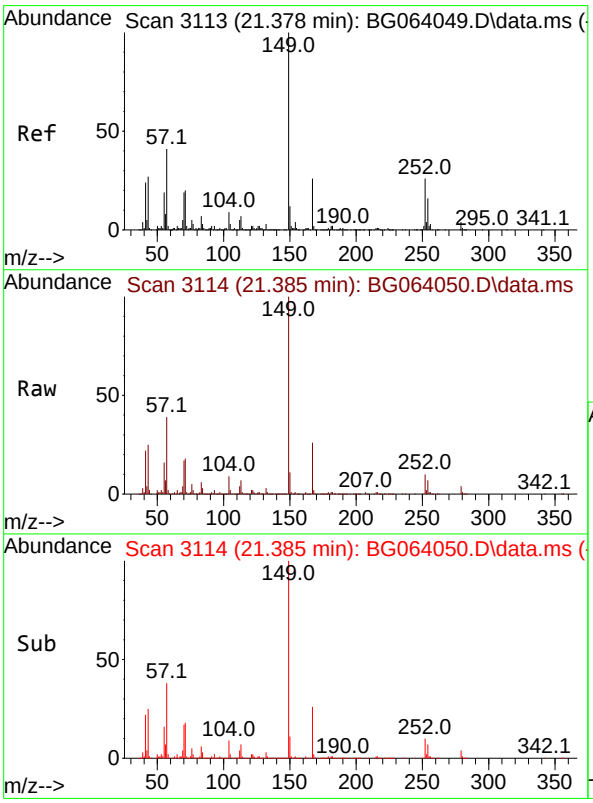
Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	19.3	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
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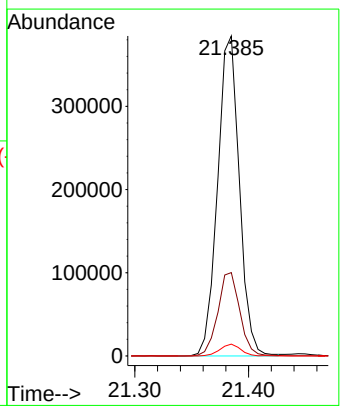
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

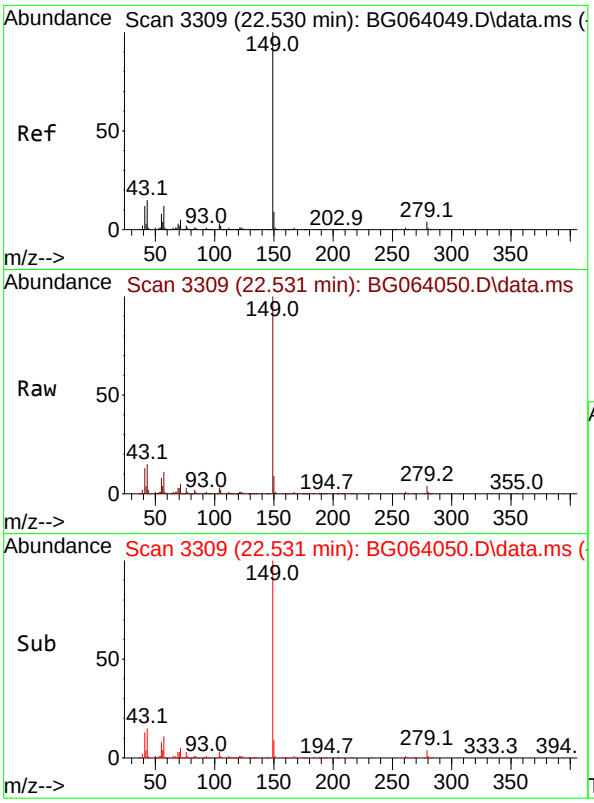


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.210 ng
RT: 21.385 min Scan# 3114
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:149 Resp: 511903

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.0	31.6
279	3.7	2.8	4.2





#85
Di-n-octyl phthalate
Concen: 52.538 ng
RT: 22.531 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

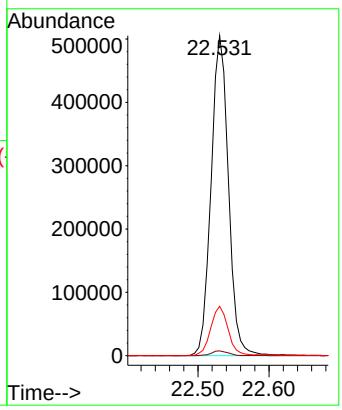
Tgt Ion:149 Resp: 85572

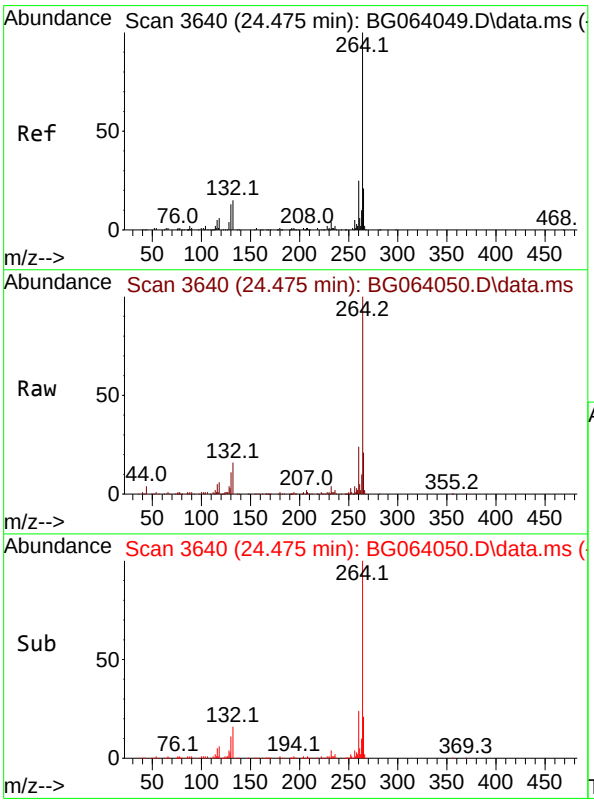
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	15.6	12.6	19.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

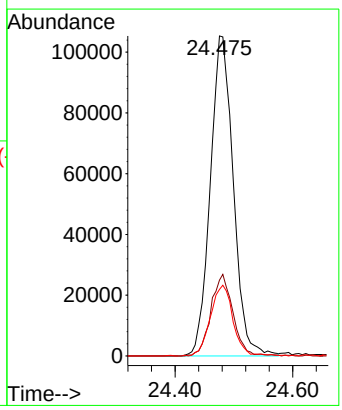


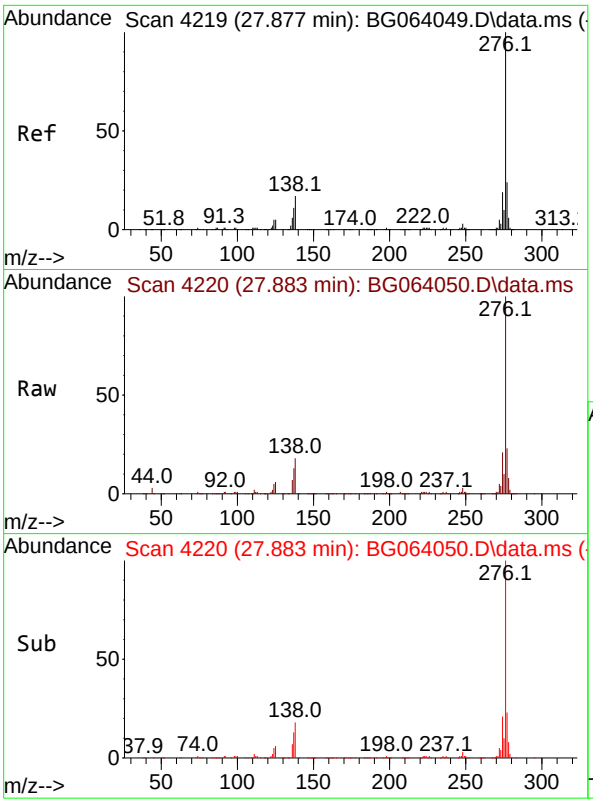


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.475 min Scan# 3640
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:264 Resp: 286555

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	20.8	16.6	25.0

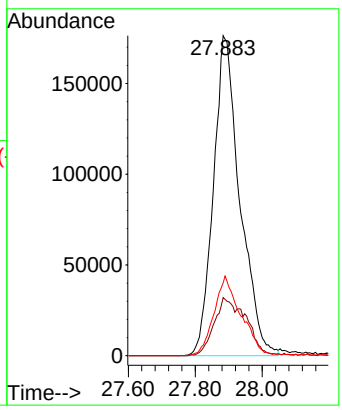




#87
Indeno(1,2,3-cd)pyrene
Concen: 50.610 ng
RT: 27.883 min Scan# 4
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:276 Resp: 97033

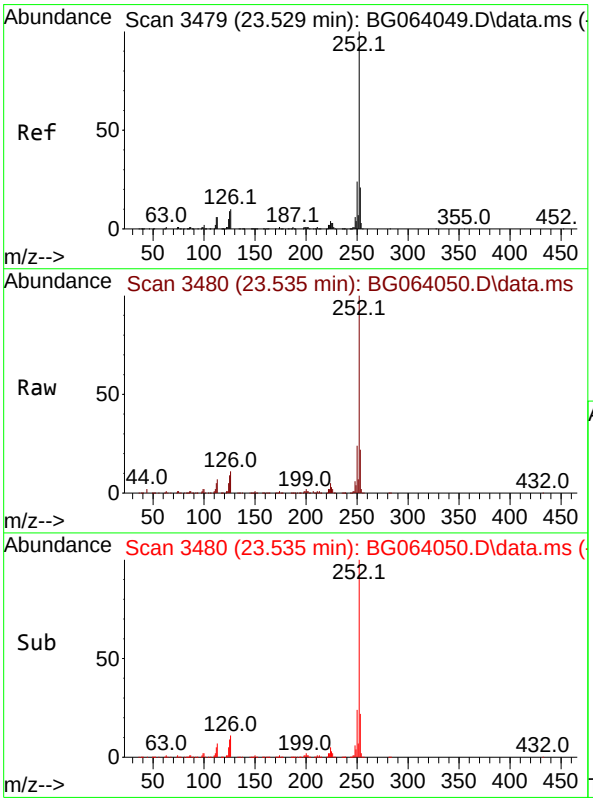
Ion	Ratio	Lower	Upper
276	100		
138	13.2	12.1	18.1
277	25.3	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

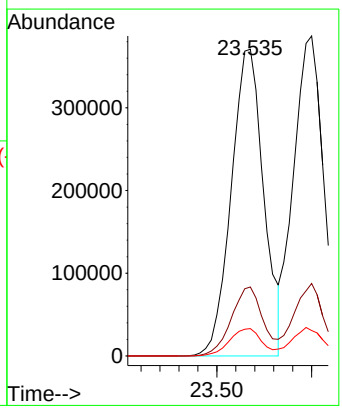
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

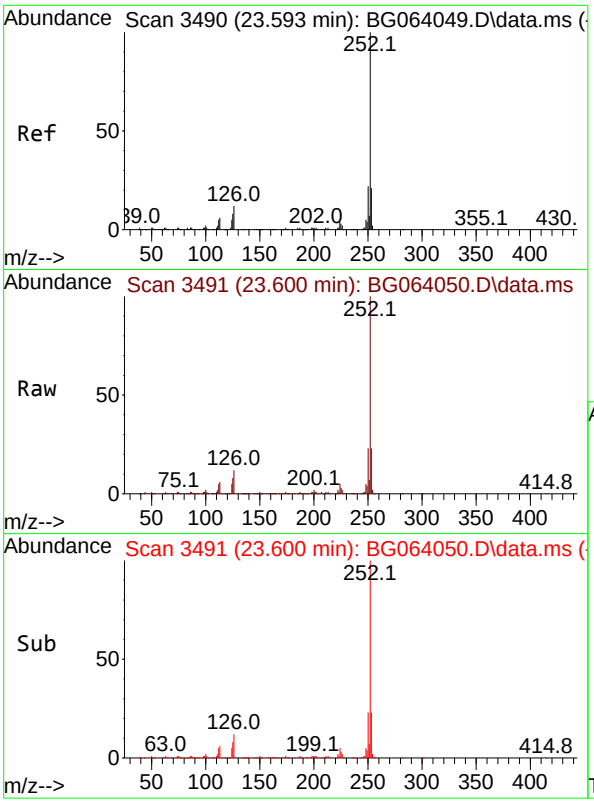


#88
Benzo(b)fluoranthene
Concen: 50.946 ng
RT: 23.535 min Scan# 3480
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:252 Resp: 882554

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.4
125	8.9	7.4	11.2





#89
Benzo(k)fluoranthene
Concen: 49.673 ng
RT: 23.600 min Scan# 34
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

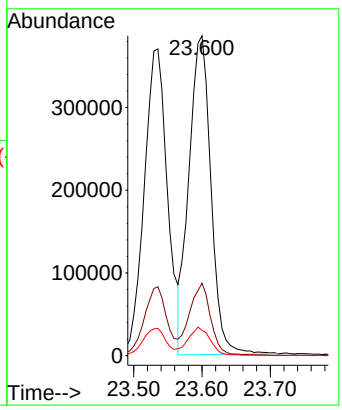
Tgt Ion:252 Resp: 86326

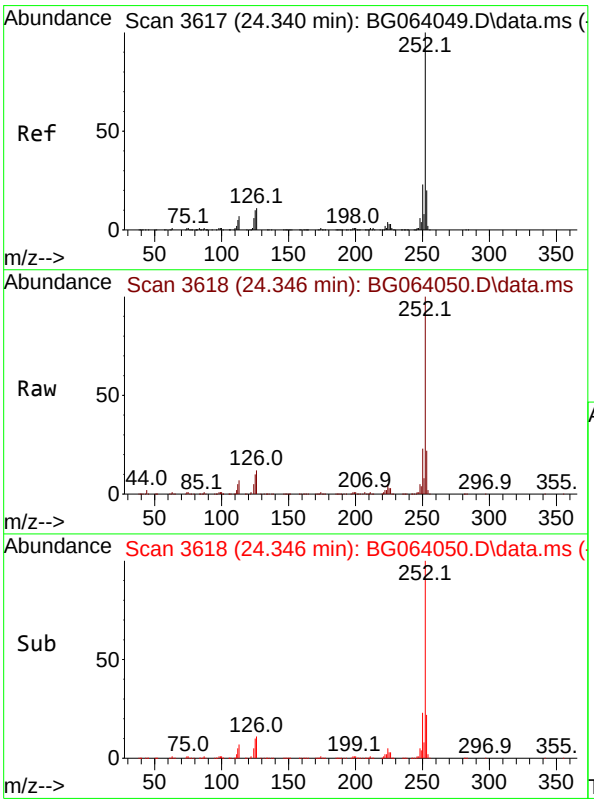
Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.8	25.2
125	8.0	6.9	10.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

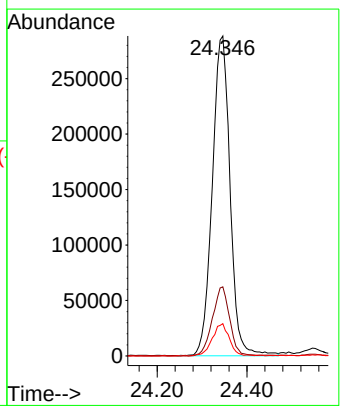


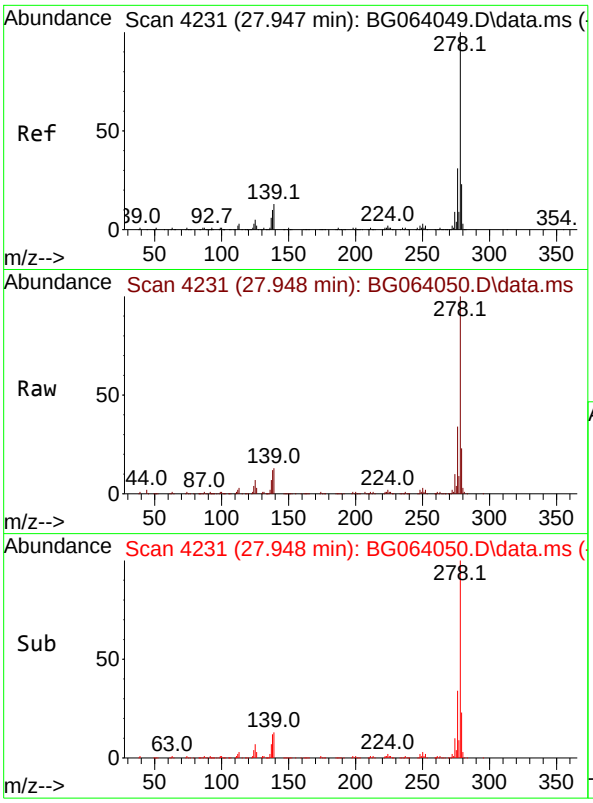


#90
Benzo(a)pyrene
Concen: 51.360 ng
RT: 24.346 min Scan# 3618
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:252 Resp: 792379

Ion	Ratio	Lower	Upper
252	100		
253	21.6	16.2	24.2
125	10.1	7.8	11.6

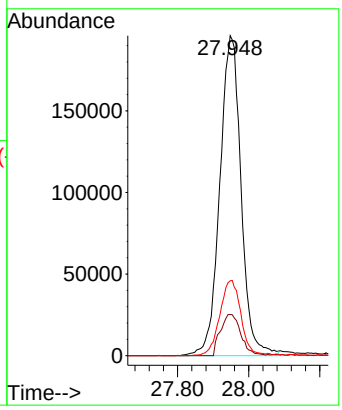




#91
Dibenzo(a,h)anthracene
Concen: 51.097 ng
RT: 27.948 min Scan# 4
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:278 Resp: 81218

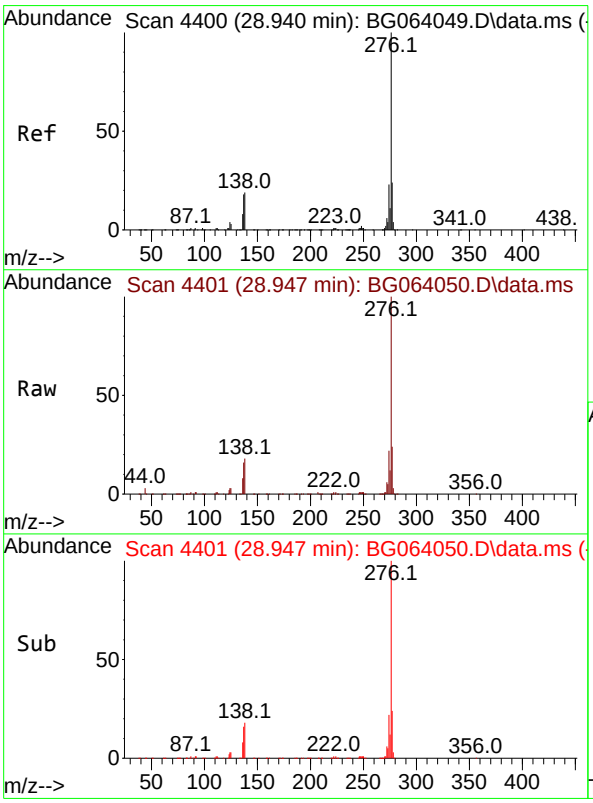
Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.2	15.2
279	23.4	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

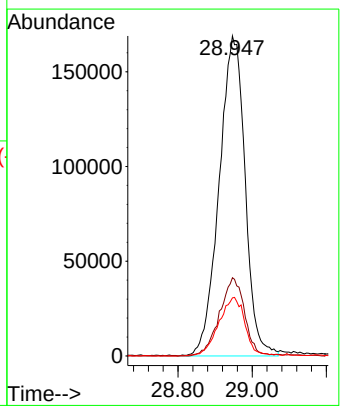
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025



#92
Benzo(g,h,i)perylene
Concen: 50.325 ng
RT: 28.947 min Scan# 4401
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:276 Resp: 821282

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.5	29.3
138	18.1	15.4	23.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064051.D
Acq On : 5 Mar 2025 13:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:25:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.865	152	37134	20.000	ng		0.00
21) Naphthalene-d8	10.656	136	170133	20.000	ng		0.00
39) Acenaphthene-d10	14.492	164	120501	20.000	ng		0.00
64) Phenanthrene-d10	17.230	188	267696	20.000	ng		0.00
76) Chrysene-d12	21.467	240	267699	20.000	ng		0.00
86) Perylene-d12	24.481	264	289231	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.450	112	293555	123.437	ng		0.00
7) Phenol-d6	7.031	99	409752	126.652	ng		0.00
23) Nitrobenzene-d5	9.022	82	408232	132.600	ng		0.00
42) 2,4,6-Tribromophenol	15.979	330	180569	134.808	ng		0.00
45) 2-Fluorobiphenyl	13.118	172	928658	116.978	ng		0.00
79) Terphenyl-d14	19.851	244	1536841	116.081	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.376	88	60005	55.674	ng		98
3) Pyridine	3.764	79	153247	58.464	ng		100
4) n-Nitrosodimethylamine	3.682	42	116662	62.293	ng		99
6) Aniline	7.195	93	194727	61.338	ng		99
8) 2-Chlorophenol	7.430	128	158149	61.917	ng		97
9) Benzaldehyde	7.007	77	94743	50.099	ng		97
10) Phenol	7.060	94	211698	63.911	ng		97
11) bis(2-Chloroethyl)ether	7.295	93	157937	60.818	ng		99
12) 1,3-Dichlorobenzene	7.759	146	169236	60.337	ng		97
13) 1,4-Dichlorobenzene	7.900	146	171129	59.524	ng		98
14) 1,2-Dichlorobenzene	8.217	146	169937	61.300	ng		98
15) Benzyl Alcohol	8.100	79	163423	65.368	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.394	45	358503	61.396	ng		98
17) 2-Methylphenol	8.300	107	141394	64.317	ng		96
18) Hexachloroethane	8.946	117	64767	64.389	ng		94
19) n-Nitroso-di-n-propyla...	8.676	70	147291	64.871	ng		97
20) 3+4-Methylphenols	8.635	107	200990	66.409	ng		94
22) Acetophenone	8.682	105	286250	61.365	ng	#	98
24) Nitrobenzene	9.064	77	208758	65.613	ng		95
25) Isophorone	9.586	82	386627	62.743	ng		97
26) 2-Nitrophenol	9.769	139	72153	61.605	ng		95
27) 2,4-Dimethylphenol	9.827	122	122021	66.054	ng		98
28) bis(2-Chloroethoxy)met...	10.068	93	229336	61.387	ng		98
29) 2,4-Dichlorophenol	10.303	162	153766	65.920	ng		97
30) 1,2,4-Trichlorobenzene	10.521	180	170860	60.677	ng		98
31) Naphthalene	10.703	128	559954	61.037	ng		99
32) Benzoic acid	9.998	122	110878m	62.274	ng		
33) 4-Chloroaniline	10.809	127	214091	63.850	ng		98
34) Hexachlorobutadiene	10.997	225	112408	60.903	ng		98
35) Caprolactam	11.596	113	57227	64.020	ng		95
36) 4-Chloro-3-methylphenol	11.931	107	199201	65.149	ng		97
37) 2-Methylnaphthalene	12.313	142	397524	61.379	ng		99
38) 1-Methylnaphthalene	12.536	142	391774	61.745	ng		95
40) 1,2,4,5-Tetrachloroben...	12.683	216	203188	59.063	ng		98
41) Hexachlorocyclopentadiene	12.665	237	65070	67.203	ng		96
43) 2,4,6-Trichlorophenol	12.918	196	133197	65.693	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064051.D
Acq On : 5 Mar 2025 13:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:25:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	147199	65.338	ng		97
46) 1,1'-Biphenyl	13.329	154	546747	60.056	ng		99
47) 2-Chloronaphthalene	13.364	162	405177	61.023	ng		98
48) 2-Nitroaniline	13.564	65	143213	61.521	ng		97
49) Acenaphthylene	14.210	152	642256	61.154	ng		99
50) Dimethylphthalate	13.958	163	545112	61.282	ng		99
51) 2,6-Dinitrotoluene	14.064	165	110825	60.475	ng		92
52) Acenaphthene	14.557	154	423181	59.918	ng		99
53) 3-Nitroaniline	14.393	138	118880	69.150	ng		99
54) 2,4-Dinitrophenol	14.592	184	43597	60.118	ng	#	82
55) Dibenzofuran	14.892	168	673760	59.009	ng		100
56) 4-Nitrophenol	14.698	139	97685	67.751	ng		97
57) 2,4-Dinitrotoluene	14.851	165	153908	60.762	ng	#	98
58) Fluorene	15.538	166	527952	59.367	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.115	232	145394	66.199	ng		96
60) Diethylphthalate	15.321	149	591838	61.289	ng		100
61) 4-Chlorophenyl-phenyle...	15.538	204	260768	59.007	ng		93
62) 4-Nitroaniline	15.556	138	122494	65.996	ng		97
63) Azobenzene	15.826	77	616384	59.818	ng		99
65) 4,6-Dinitro-2-methylph...	15.615	198	74058	61.305	ng		97
66) n-Nitrosodiphenylamine	15.750	169	458342	60.488	ng		97
67) 4-Bromophenyl-phenylether	16.426	248	174594	63.681	ng		96
68) Hexachlorobenzene	16.543	284	183700	59.848	ng		99
70) Pentachlorophenol	16.884	266	127516	66.910	ng		97
71) Phenanthrene	17.272	178	850190	59.544	ng		100
72) Anthracene	17.366	178	855662	60.267	ng		98
73) Carbazole	17.630	167	791764	59.729	ng		98
74) Di-n-butylphthalate	18.206	149	978831	62.731	ng		99
75) Fluoranthene	19.281	202	998035	57.980	ng		99
77) Benzidine	19.469	184	240411	63.973	ng		98
78) Pyrene	19.645	202	1035908	60.030	ng		99
80) Butylbenzylphthalate	20.544	149	403606	61.244	ng		97
81) Benzo(a)anthracene	21.449	228	1051558	61.323	ng		98
82) 3,3'-Dichlorobenzidine	21.367	252	349935	63.055	ng		99
83) Chrysene	21.514	228	1044616	61.078	ng		99
84) Bis(2-ethylhexyl)phtha...	21.384	149	633796	68.341	ng		98
85) Di-n-octyl phthalate	22.530	149	1075085	67.209	ng		100
87) Indeno(1,2,3-cd)pyrene	27.889	276	1198276	61.921	ng		99
88) Benzo(b)fluoranthene	23.535	252	1054170	60.290	ng		98
89) Benzo(k)fluoranthene	23.599	252	1070595	61.033	ng		100
90) Benzo(a)pyrene	24.346	252	947608	60.853	ng		98
91) Dibenzo(a,h)anthracene	27.953	278	974276	60.728	ng		98
92) Benzo(g,h,i)perylene	28.964	276	1002330	60.851	ng		96

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

ICAL Form

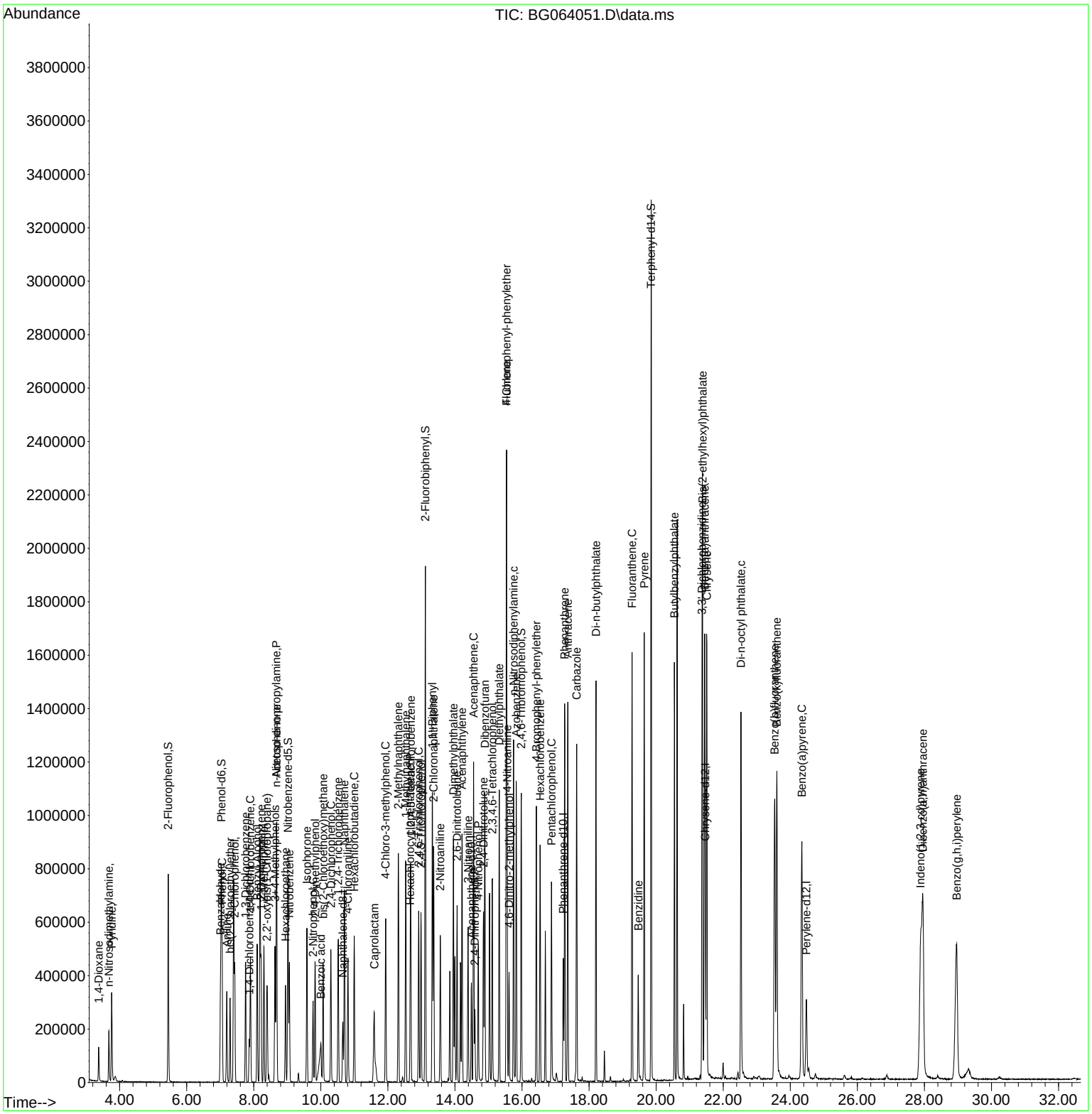
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064051.D
Acq On : 5 Mar 2025 13:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

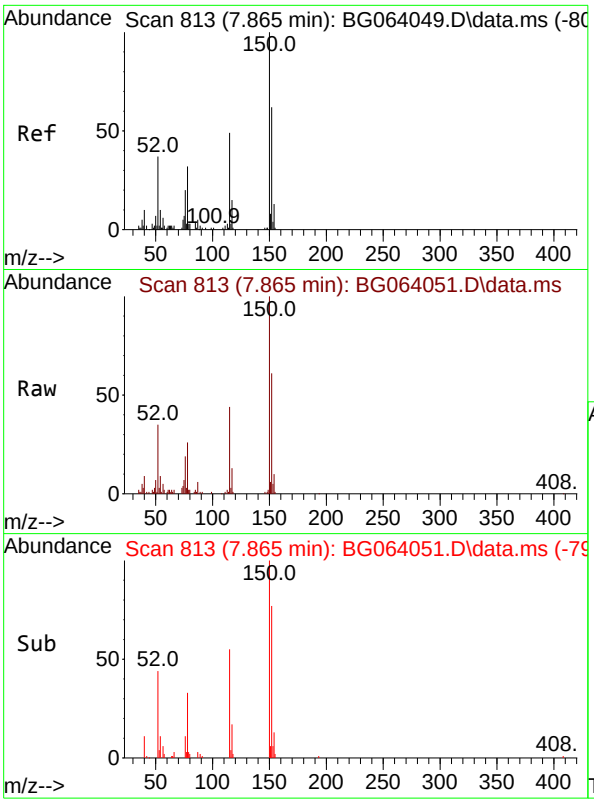
Quant Time: Mar 05 15:25:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

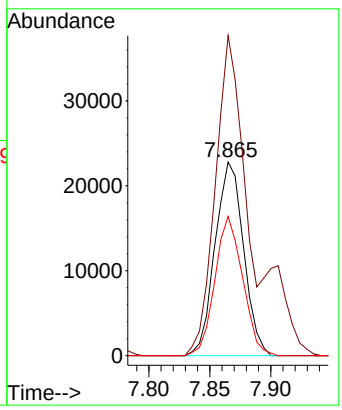




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:152 Resp: 3713

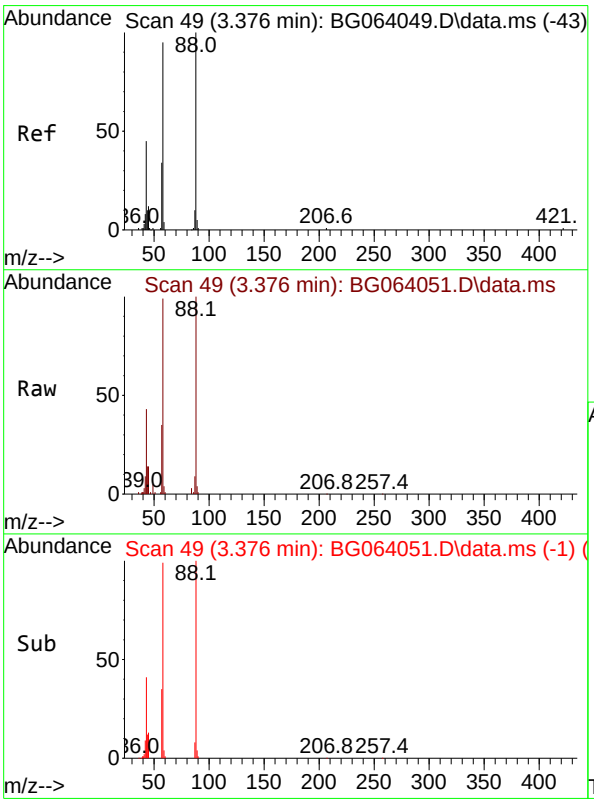
Ion	Ratio	Lower	Upper
152	100		
150	165.1	129.2	193.8
115	71.9	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

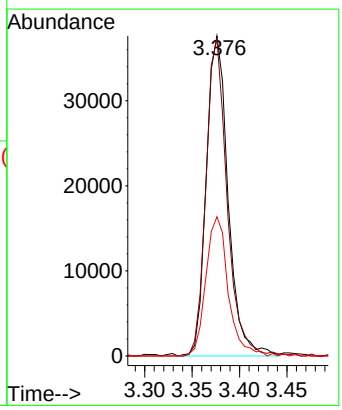
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

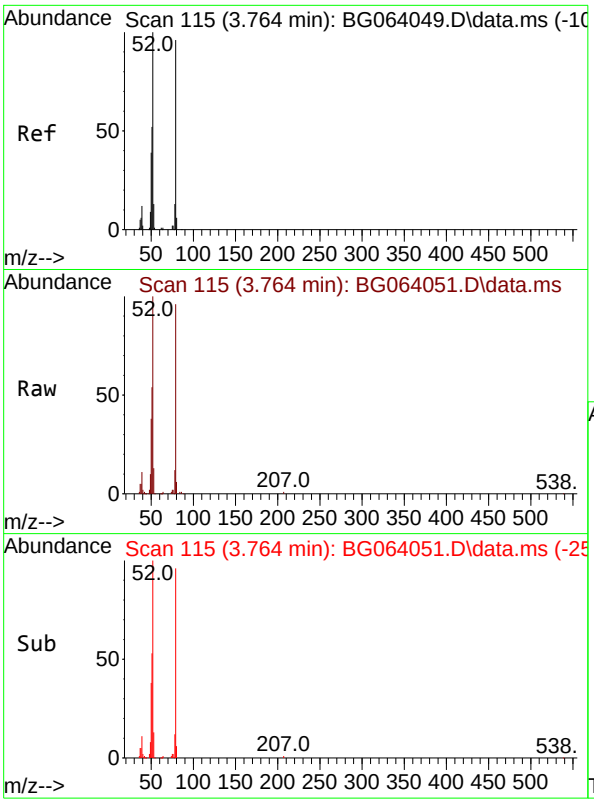


#2
1,4-Dioxane
Concen: 55.674 ng
RT: 3.376 min Scan# 49
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 88 Resp: 60005

Ion	Ratio	Lower	Upper
88	100		
58	96.3	74.6	111.8
43	44.5	35.5	53.3

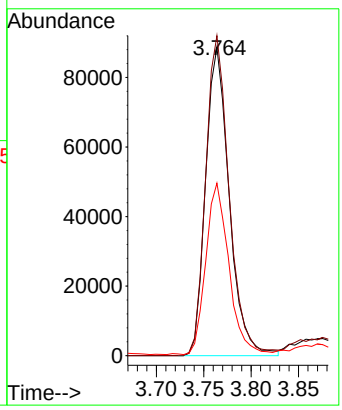




#3
Pyridine
Concen: 58.464 ng
RT: 3.764 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 79 Resp: 15324

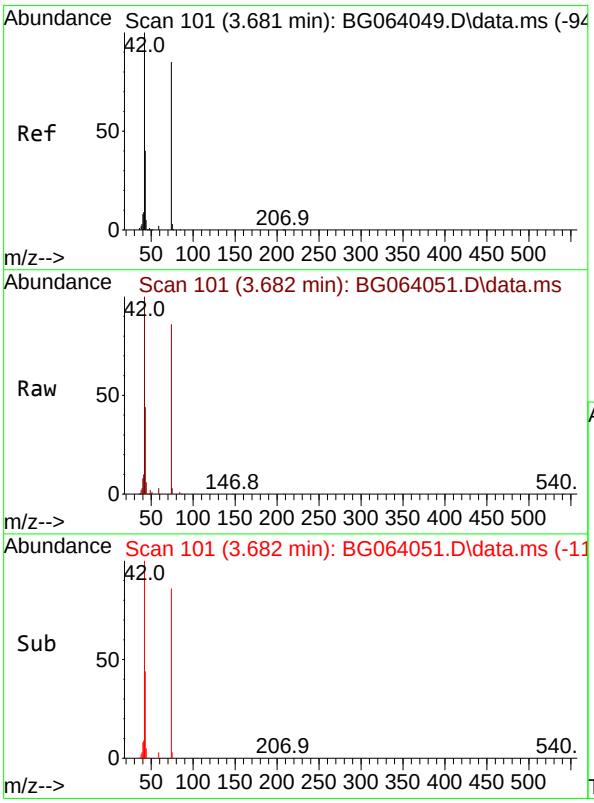
Ion	Ratio	Lower	Upper
79	100		
52	103.8	83.0	124.6
51	56.0	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

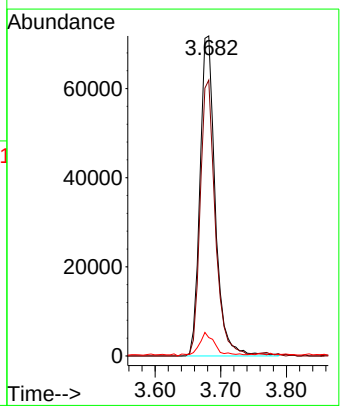
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

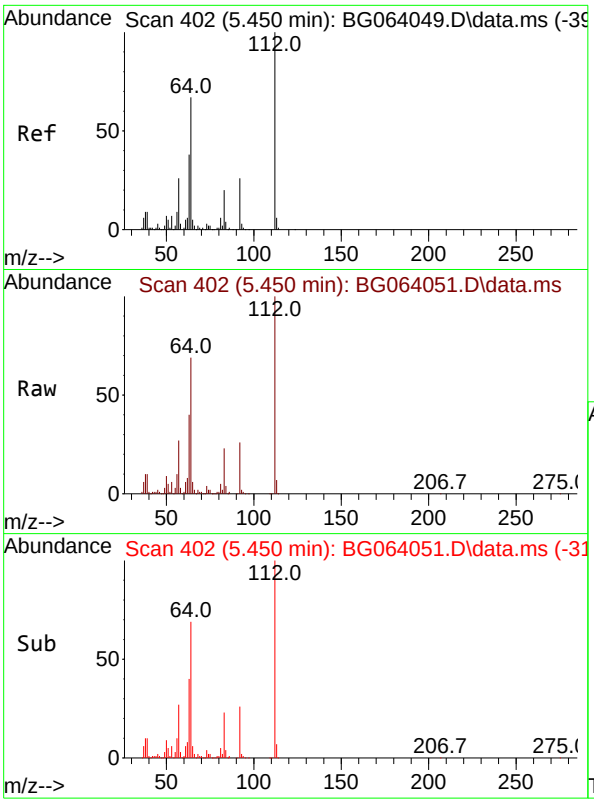


#4
n-Nitrosodimethylamine
Concen: 62.293 ng
RT: 3.682 min Scan# 101
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 42 Resp: 116662

Ion	Ratio	Lower	Upper
42	100		
74	86.2	68.0	102.0
44	5.7	4.9	7.3





#5
2-Fluorophenol
Concen: 123.437 ng
RT: 5.450 min Scan# 4(
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

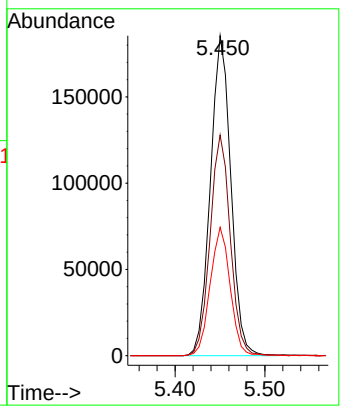
Tgt Ion:112 Resp: 29355

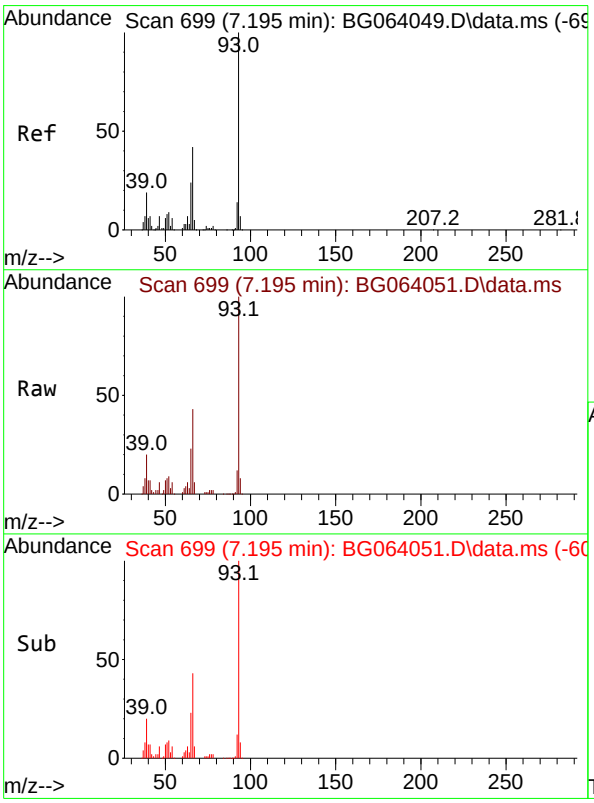
Ion	Ratio	Lower	Upper
112	100		
64	69.0	53.7	80.5
63	40.1	30.2	45.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

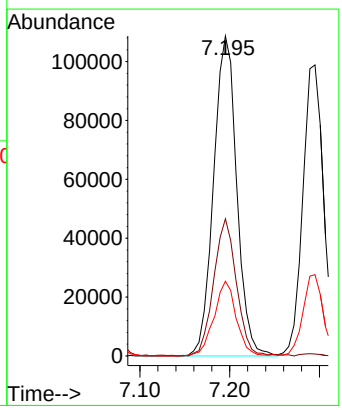


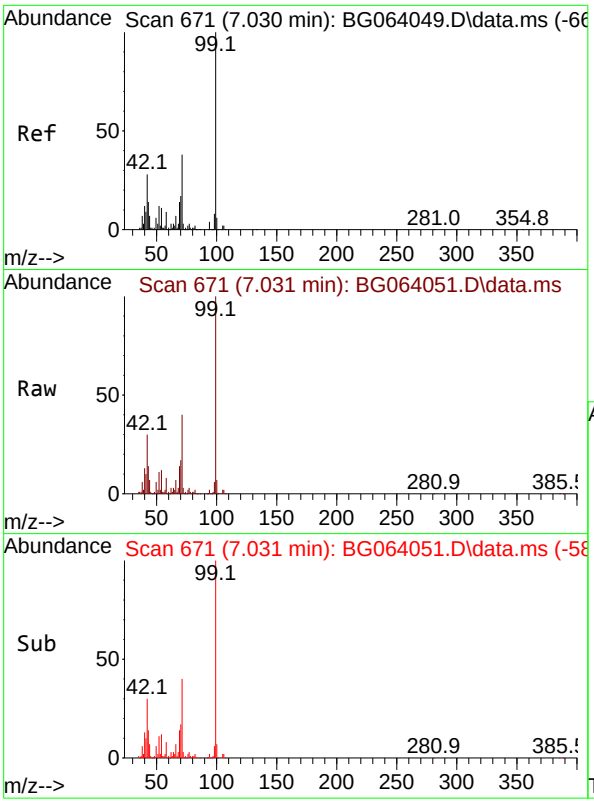


#6
Aniline
Concen: 61.338 ng
RT: 7.195 min Scan# 699
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 93 Resp: 194727

Ion	Ratio	Lower	Upper
93	100		
66	42.9	33.7	50.5
65	23.3	19.1	28.7

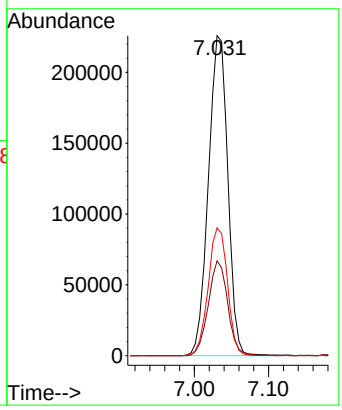




#7
Phenol-d6
Concen: 126.652 ng
RT: 7.031 min Scan# 6
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 99 Resp: 40975

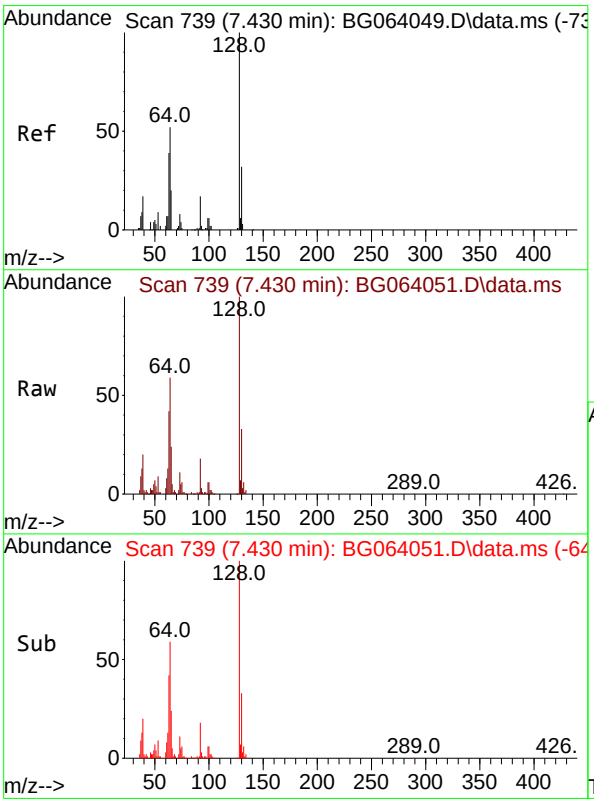
Ion	Ratio	Lower	Upper
99	100		
42	29.6	22.7	34.1
71	39.9	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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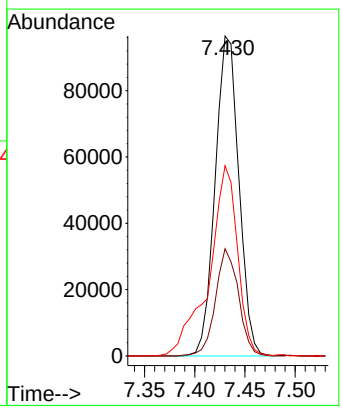
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

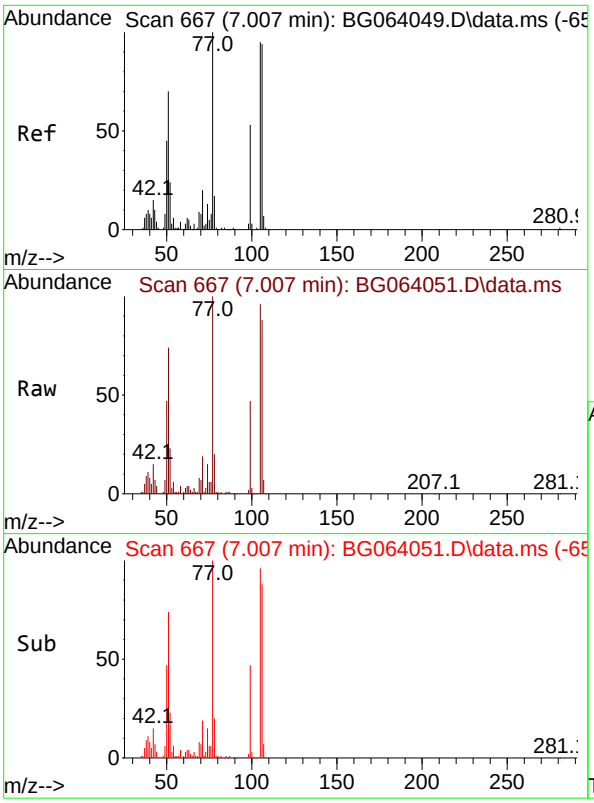


#8
2-Chlorophenol
Concen: 61.917 ng
RT: 7.430 min Scan# 739
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:128 Resp: 158149

Ion	Ratio	Lower	Upper
128	100		
130	33.5	12.3	52.3
64	59.4	37.0	77.0

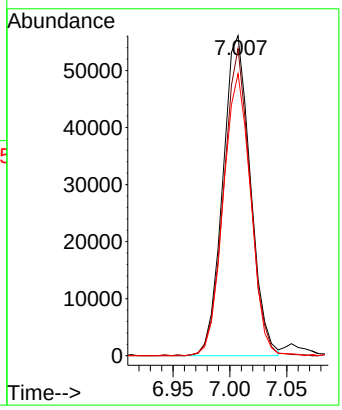




#9
Benzaldehyde
Concen: 50.099 ng
RT: 7.007 min Scan# 6
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 77 Resp: 9474

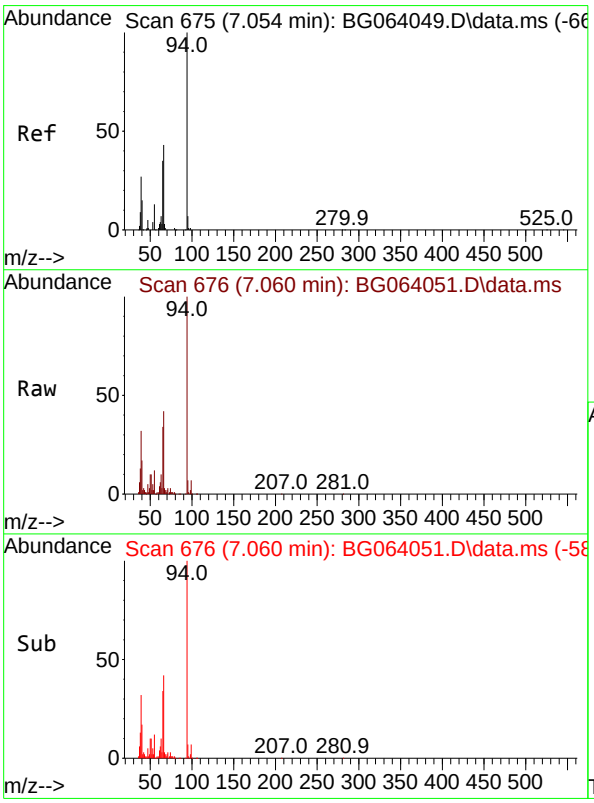
Ion	Ratio	Lower	Upper
77	100		
105	96.0	75.5	115.5
106	88.1	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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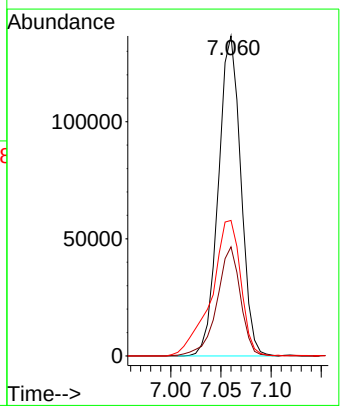
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

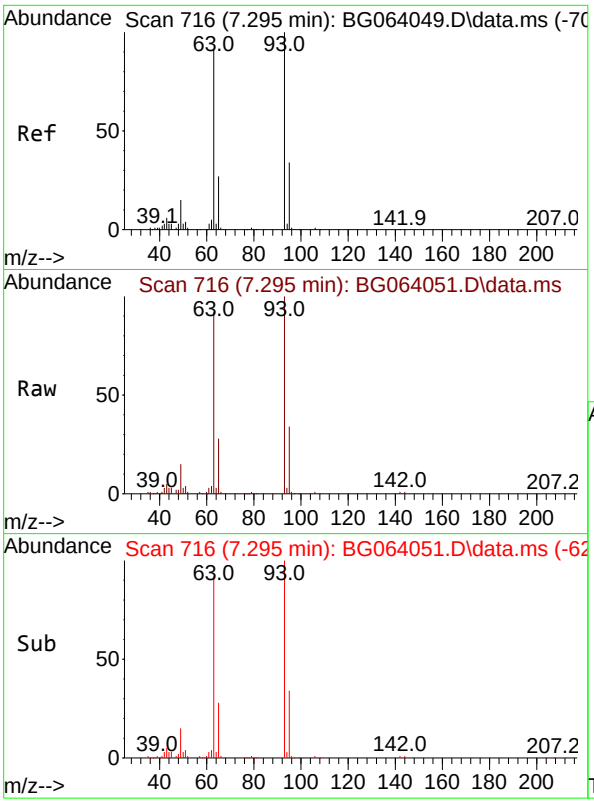


#10
Phenol
Concen: 63.911 ng
RT: 7.060 min Scan# 676
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 94 Resp: 211698

Ion	Ratio	Lower	Upper
94	100		
65	34.1	15.2	55.2
66	42.3	25.1	65.1

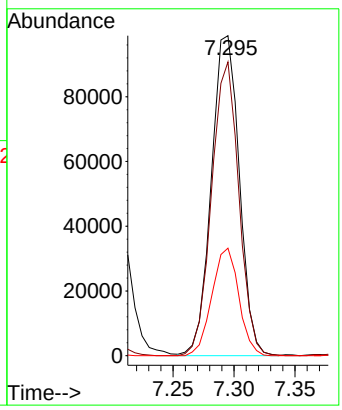




#11
bis(2-Chloroethyl)ether
Concen: 60.818 ng
RT: 7.295 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 93 Resp: 15793

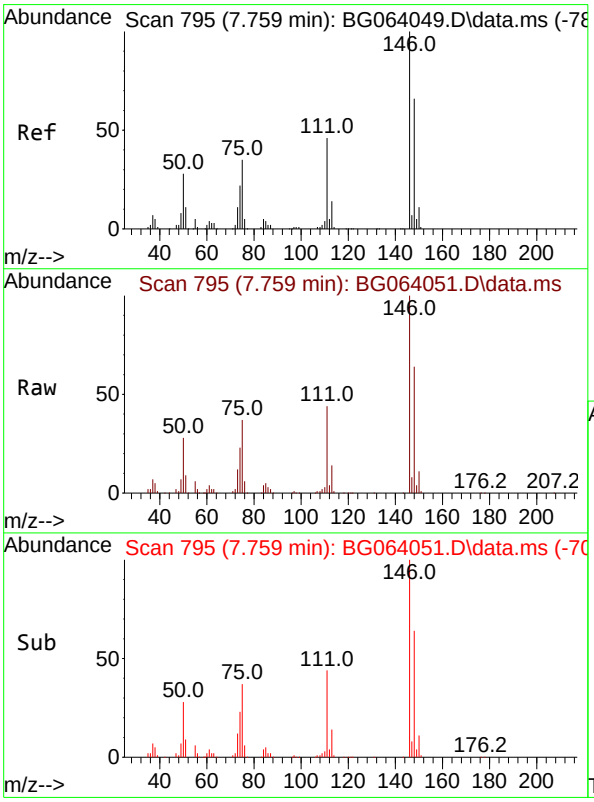
Ion	Ratio	Lower	Upper
93	100		
63	91.8	70.0	110.0
95	33.6	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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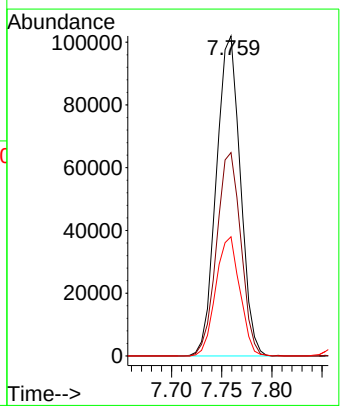
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

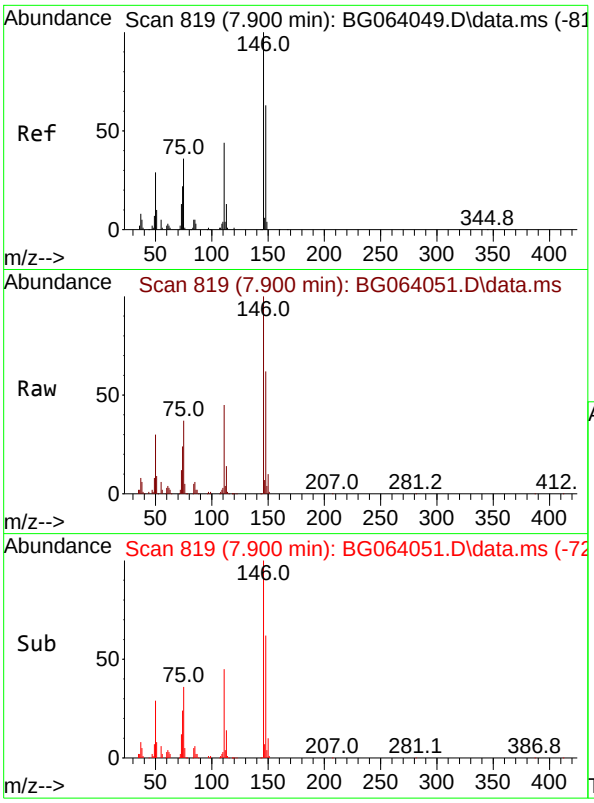


#12
1,3-Dichlorobenzene
Concen: 60.337 ng
RT: 7.759 min Scan# 795
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:146 Resp: 169236

Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.6	78.8
75	37.2	28.1	42.1

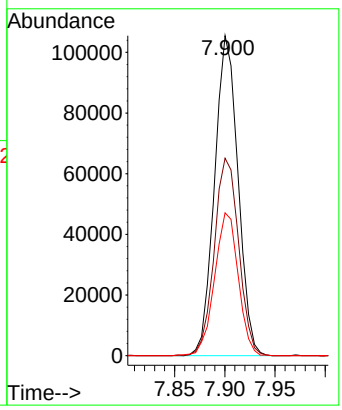




#13
1,4-Dichlorobenzene
Concen: 59.524 ng
RT: 7.900 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:146 Resp: 17112

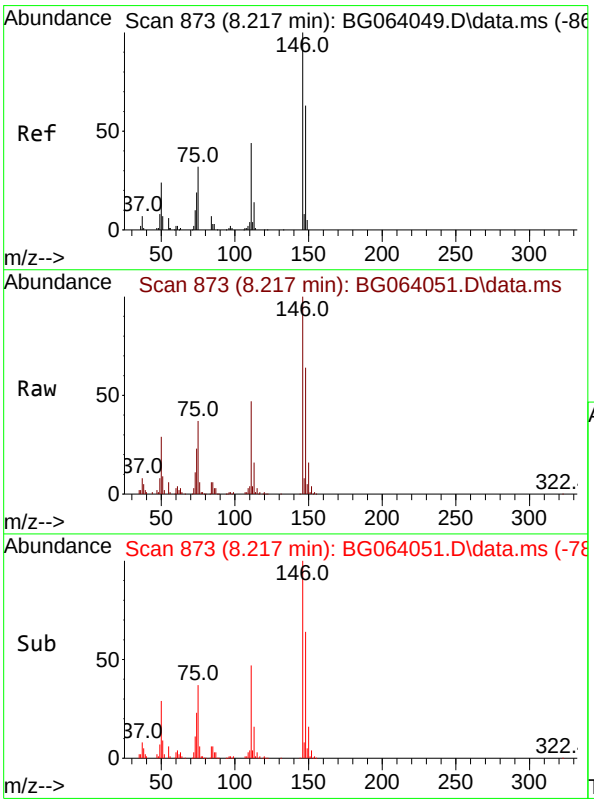
Ion	Ratio	Lower	Upper
146	100		
148	61.7	50.6	75.8
111	44.7	35.1	52.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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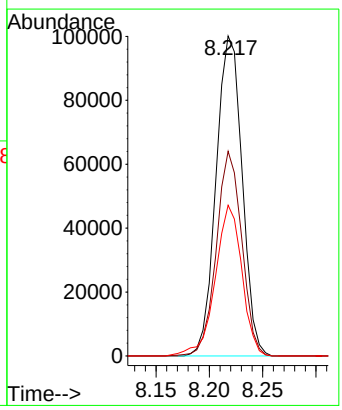
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

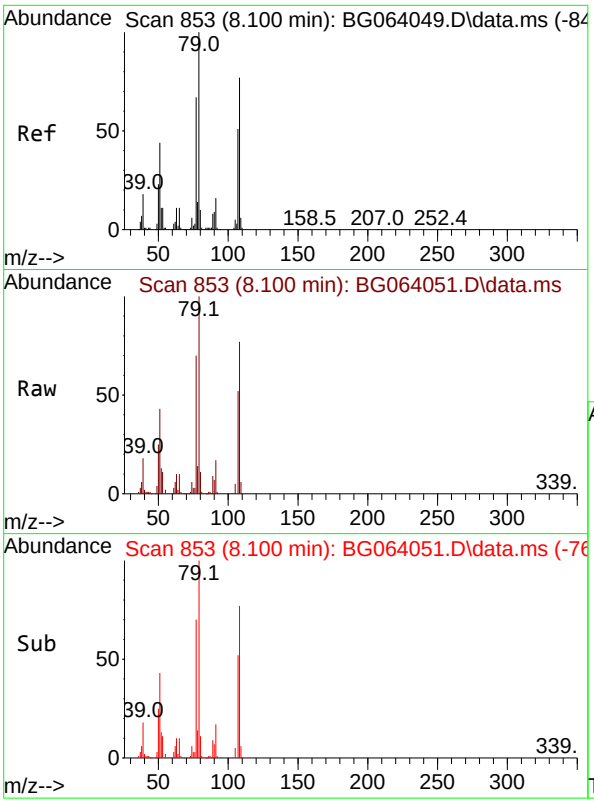


#14
1,2-Dichlorobenzene
Concen: 61.300 ng
RT: 8.217 min Scan# 873
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:146 Resp: 169937

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.2	75.2
111	47.1	36.4	54.6

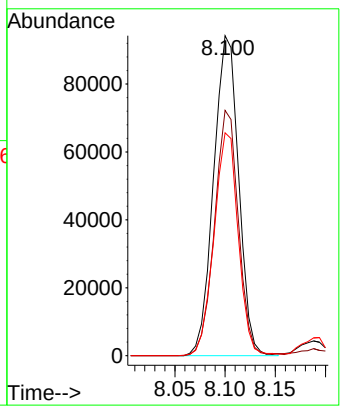




#15
Benzyl Alcohol
Concen: 65.368 ng
RT: 8.100 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 79 Resp: 16342

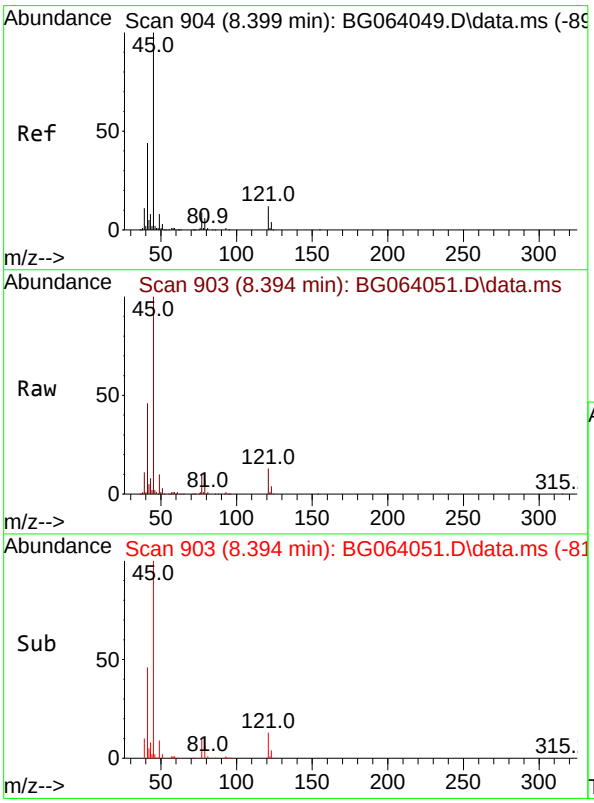
Ion	Ratio	Lower	Upper
79	100		
108	76.7	61.7	92.5
77	69.6	53.9	80.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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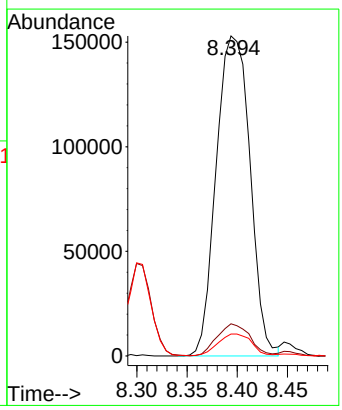
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

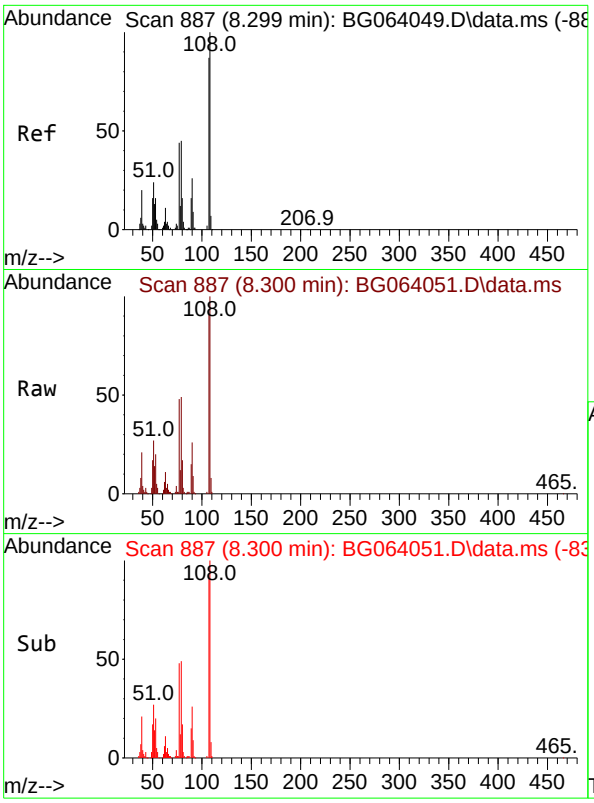


#16
2,2'-oxybis(1-Chloropropane)
Concen: 61.396 ng
RT: 8.394 min Scan# 903
Delta R.T. -0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 45 Resp: 358503

Ion	Ratio	Lower	Upper
45	100		
77	10.0	0.0	29.0
79	6.8	0.0	26.6

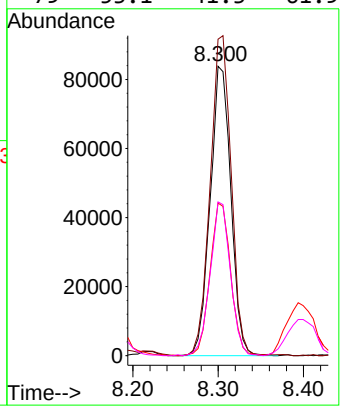




#17
2-Methylphenol
Concen: 64.317 ng
RT: 8.300 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:107 Resp: 14139

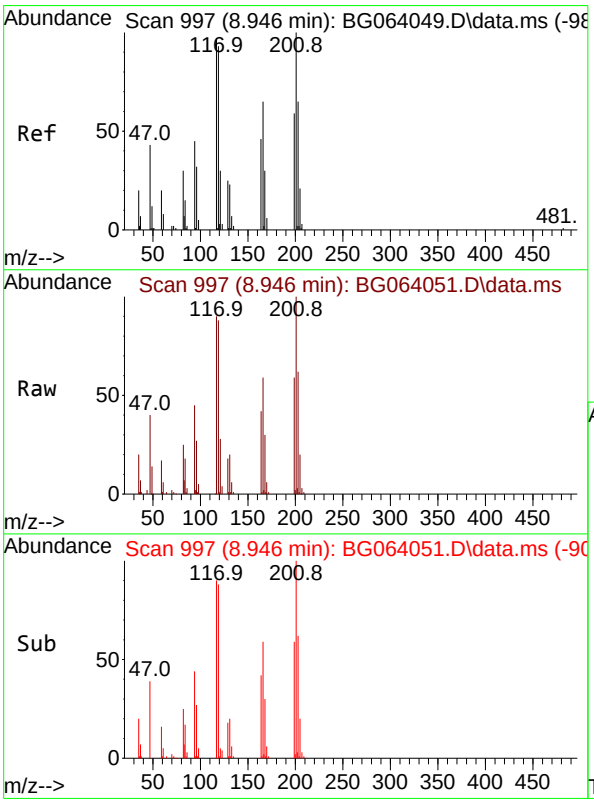
Ion	Ratio	Lower	Upper
107	100		
108	109.3	92.5	138.7
77	52.7	40.5	60.7
79	53.1	41.3	61.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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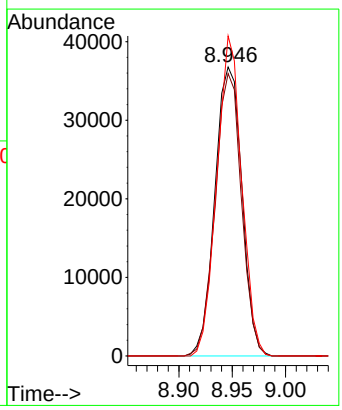
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

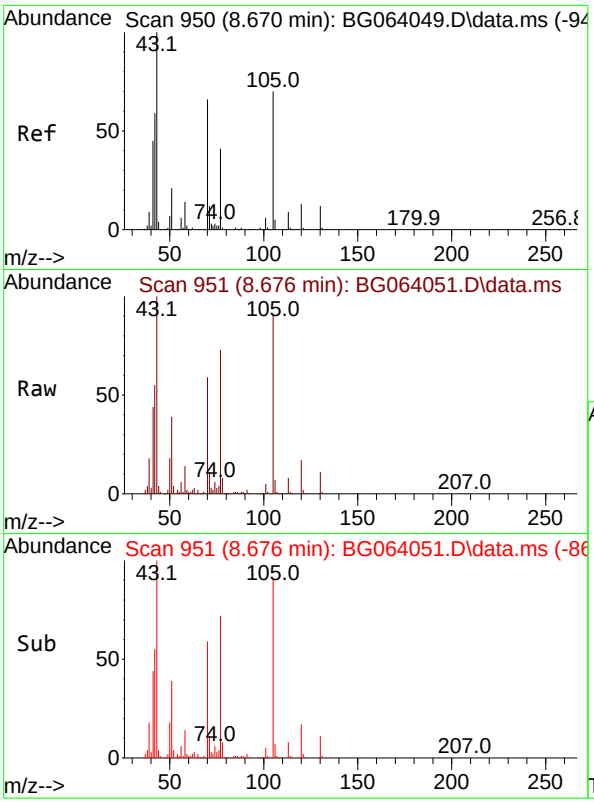


#18
Hexachloroethane
Concen: 64.389 ng
RT: 8.946 min Scan# 997
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:117 Resp: 64767

Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.2	114.2
201	110.7	81.5	122.3

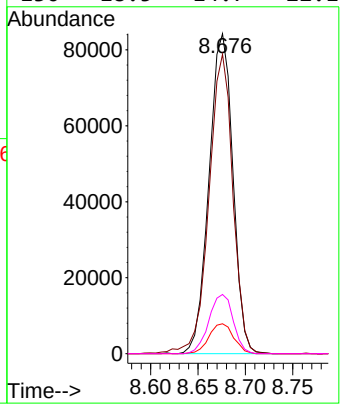




#19
n-Nitroso-di-n-propylamine
Concen: 64.871 ng
RT: 8.676 min Scan# 9
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 70 Resp: 14729

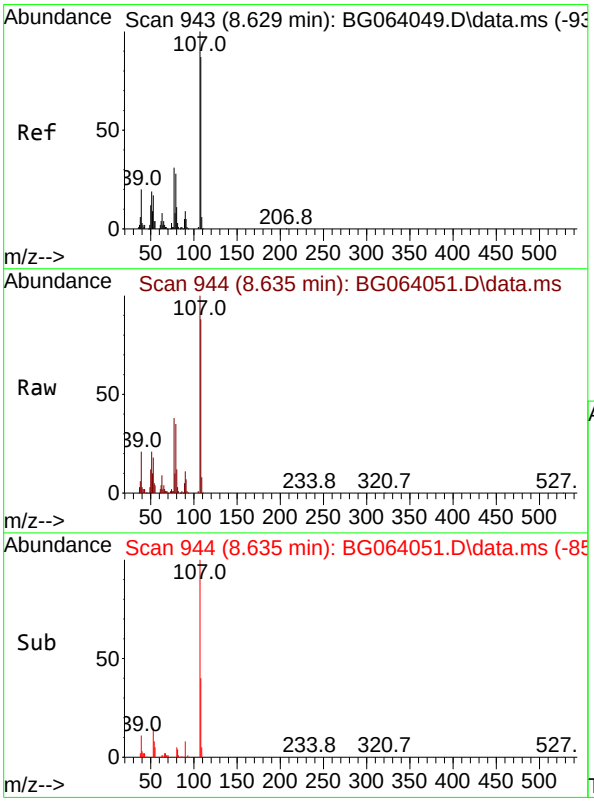
Ion	Ratio	Lower	Upper
70	100		
42	93.5	72.1	108.1
101	9.4	7.2	10.8
130	18.5	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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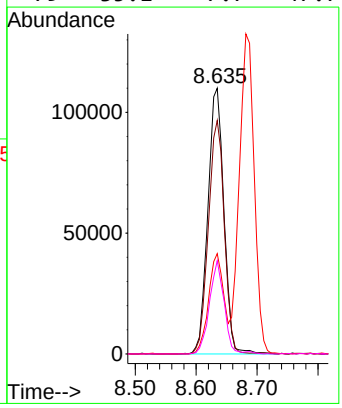
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

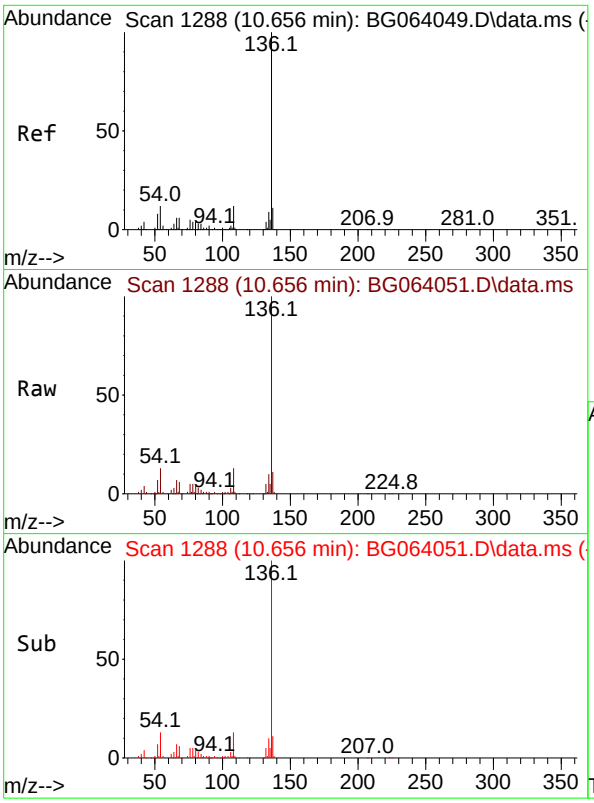


#20
3+4-Methylphenols
Concen: 66.409 ng
RT: 8.635 min Scan# 944
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:107 Resp: 200990

Ion	Ratio	Lower	Upper
107	100		
108	87.8	67.0	107.0
77	37.8	11.2	51.2
79	35.1	7.7	47.7

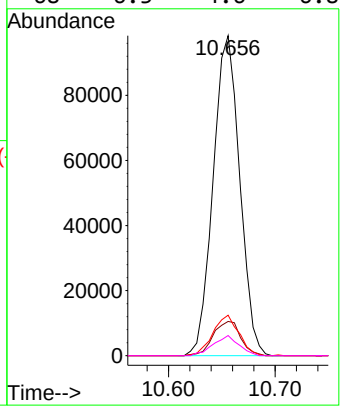




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.656 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:136 Resp: 17013

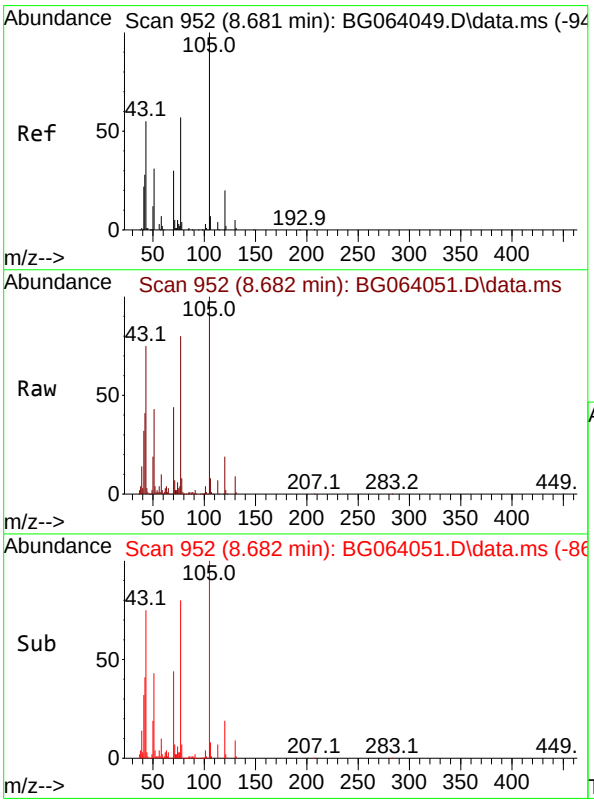
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	12.6	9.9	14.9
68	6.3	4.6	6.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

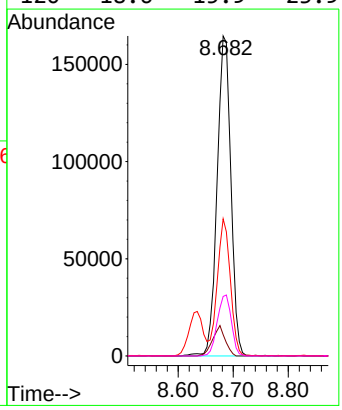
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

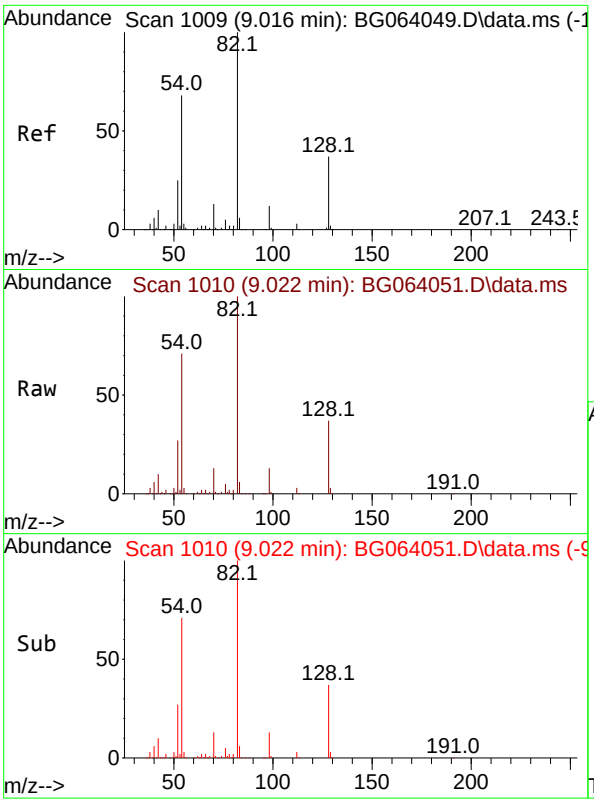


#22
Acetophenone
Concen: 61.365 ng
RT: 8.682 min Scan# 952
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:105 Resp: 286250

Ion	Ratio	Lower	Upper
105	100		
71	6.7	4.2	6.4#
51	42.8	33.3	49.9
120	18.6	15.9	23.9

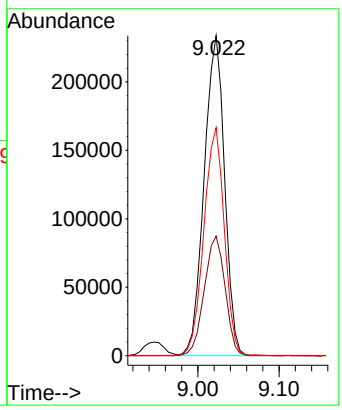




#23
Nitrobenzene-d5
Concen: 132.600 ng
RT: 9.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 82 Resp: 40823

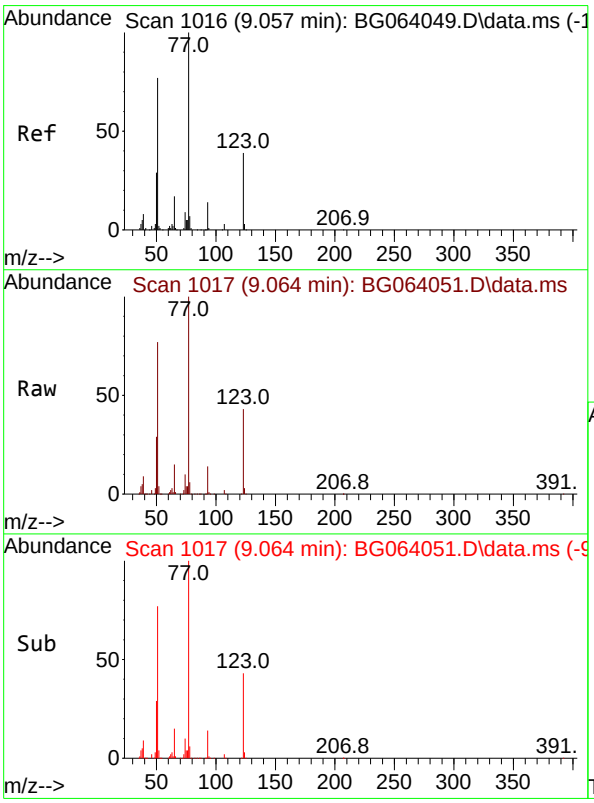
Ion	Ratio	Lower	Upper
82	100		
128	37.4	30.0	45.0
54	71.2	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

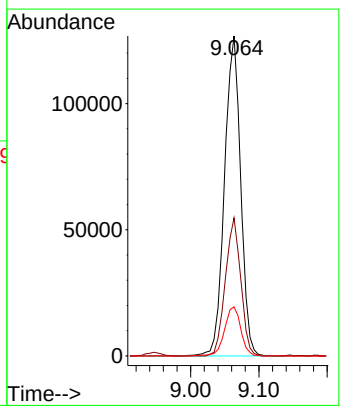
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

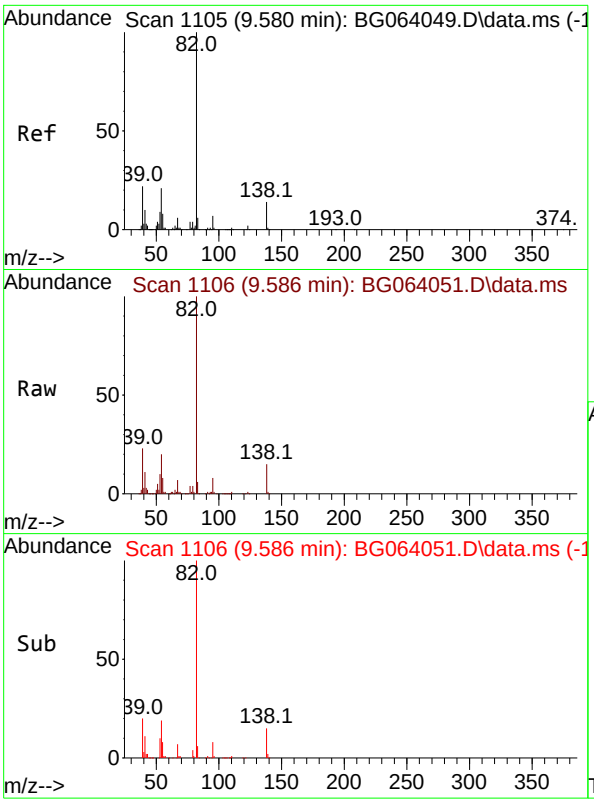


#24
Nitrobenzene
Concen: 65.613 ng
RT: 9.064 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 77 Resp: 208758

Ion	Ratio	Lower	Upper
77	100		
123	43.2	31.4	47.2
65	15.4	13.4	20.0

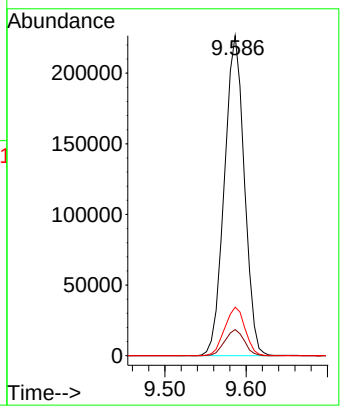




#25
Isophorone
Concen: 62.743 ng
RT: 9.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 82 Resp: 38662

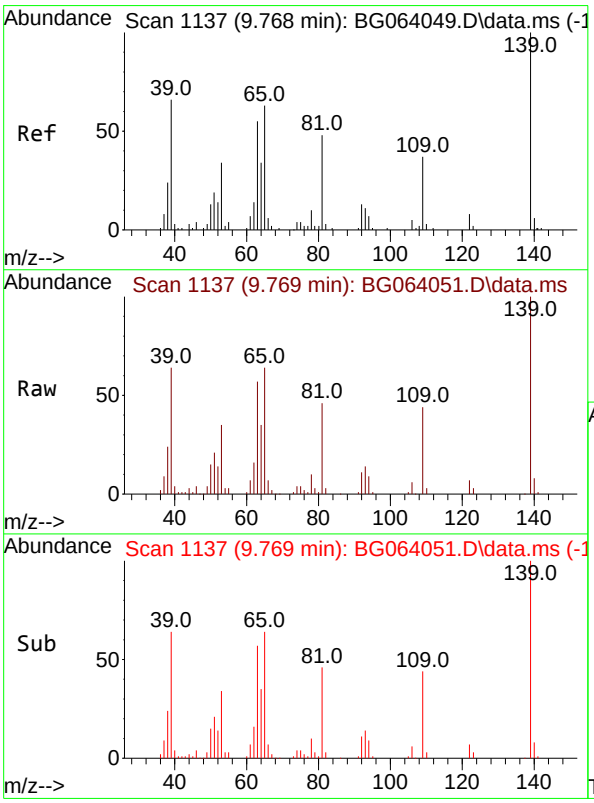
Ion	Ratio	Lower	Upper
82	100		
95	8.2	5.8	8.8
138	15.2	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

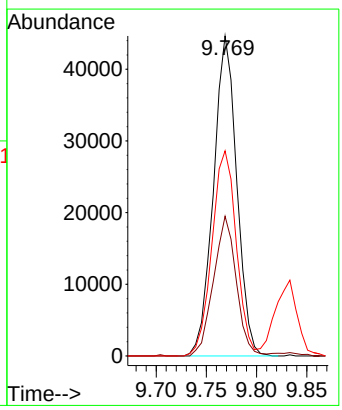
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

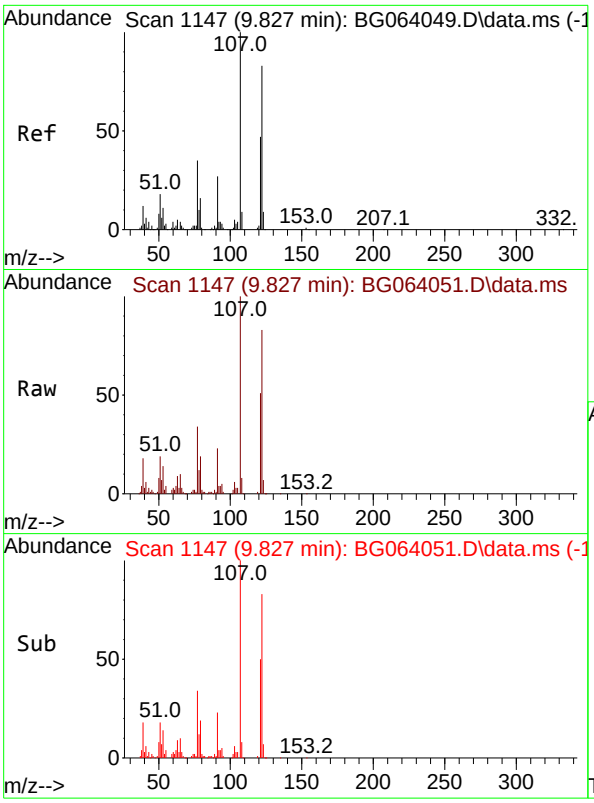


#26
2-Nitrophenol
Concen: 61.605 ng
RT: 9.769 min Scan# 1137
Delta R.T. 0.001 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:139 Resp: 72153

Ion	Ratio	Lower	Upper
139	100		
109	43.6	29.9	44.9
65	64.1	50.6	76.0

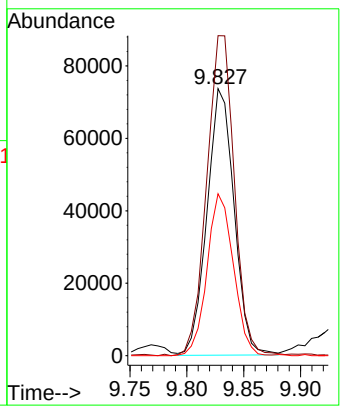




#27
2,4-Dimethylphenol
Concen: 66.054 ng
RT: 9.827 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:122 Resp: 12202

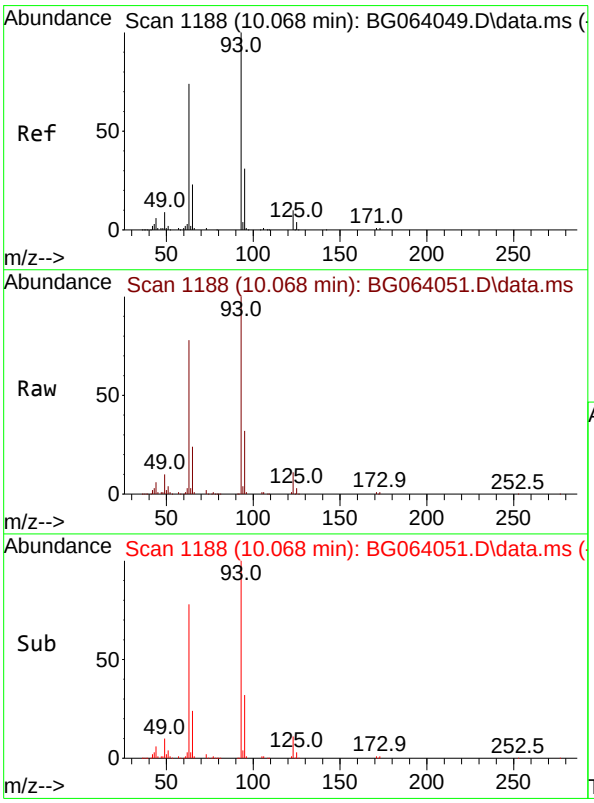
Ion	Ratio	Lower	Upper
122	100		
107	119.8	95.4	143.0
121	60.6	44.9	67.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

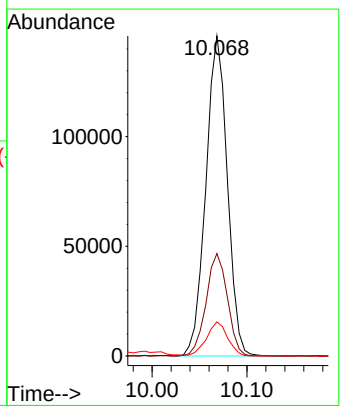
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

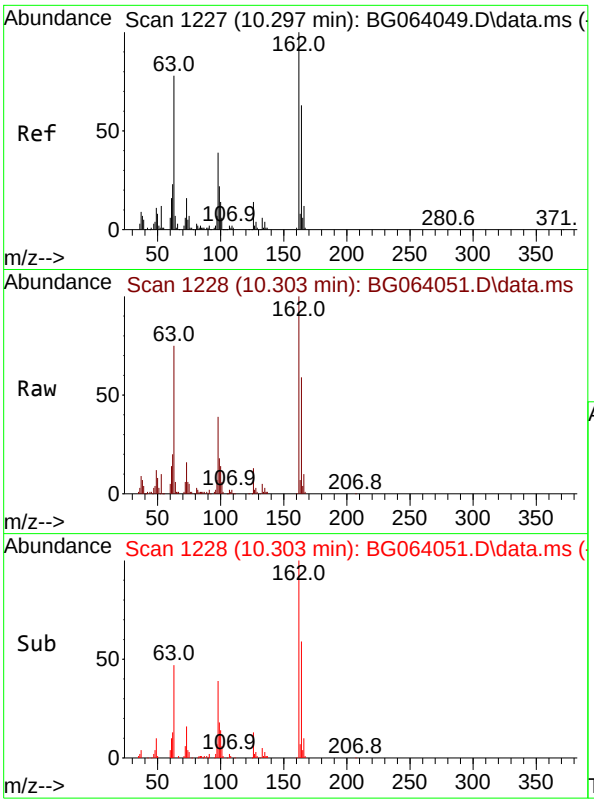


#28
bis(2-Chloroethoxy)methane
Concen: 61.387 ng
RT: 10.068 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 93 Resp: 229336

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.0	37.4
123	10.6	7.6	11.4

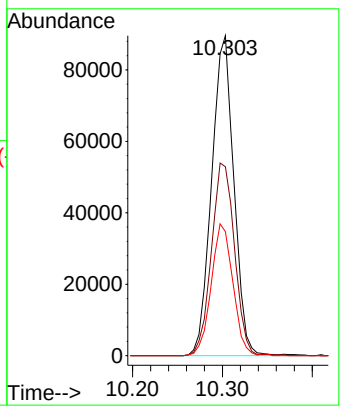




#29
2,4-Dichlorophenol
Concen: 65.920 ng
RT: 10.303 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:162 Resp: 15376

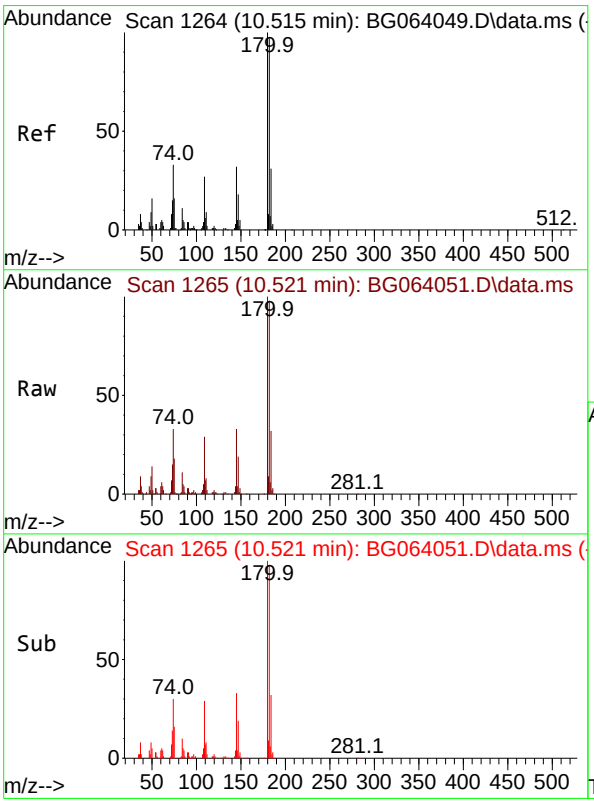
Ion	Ratio	Lower	Upper
162	100		
164	59.0	42.8	82.8
98	38.7	19.1	59.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

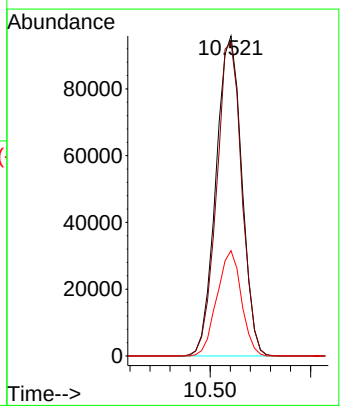
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

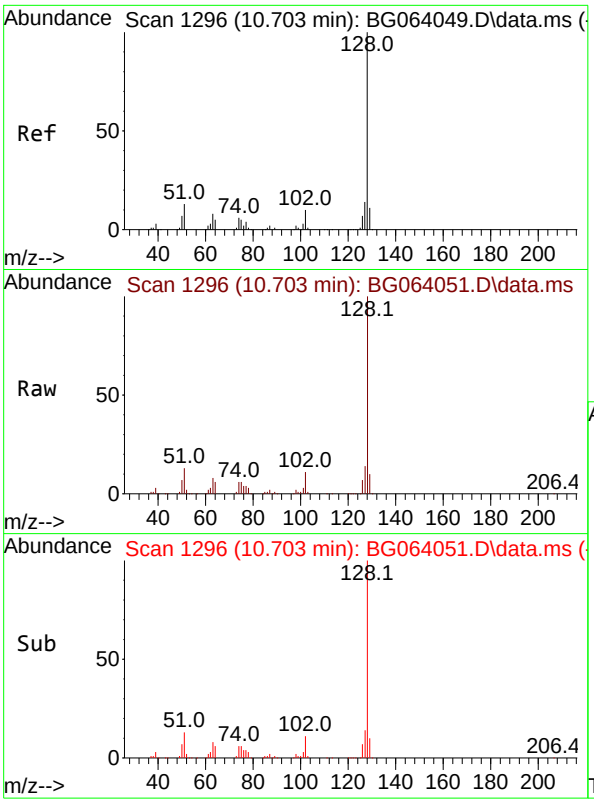


#30
1,2,4-Trichlorobenzene
Concen: 60.677 ng
RT: 10.521 min Scan# 1265
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:180 Resp: 170860

Ion	Ratio	Lower	Upper
180	100		
182	98.1	77.3	115.9
145	32.9	25.2	37.8

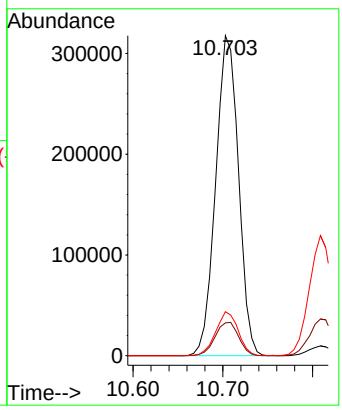




#31
Naphthalene
Concen: 61.037 ng
RT: 10.703 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:128 Resp: 55995

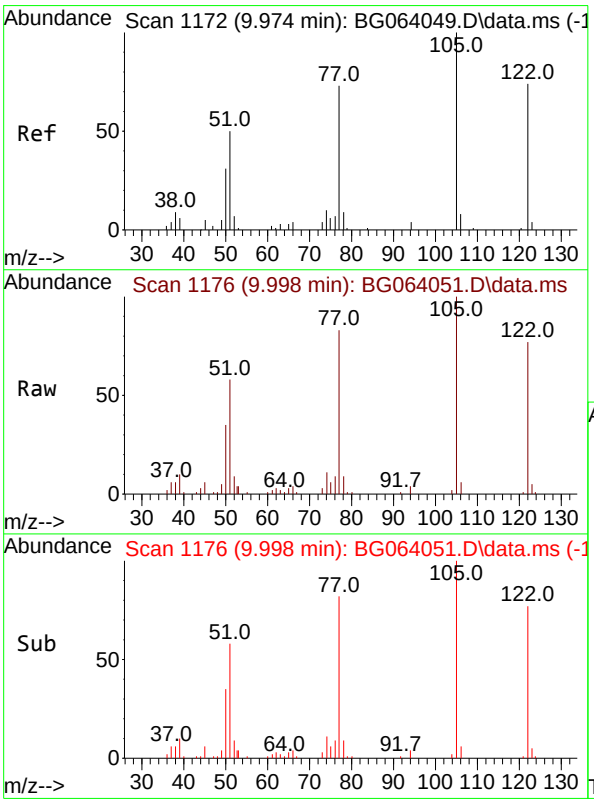
Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.4	12.6
127	13.7	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

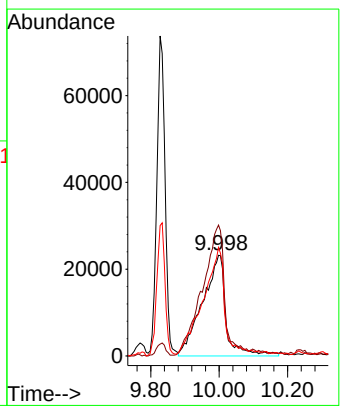
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

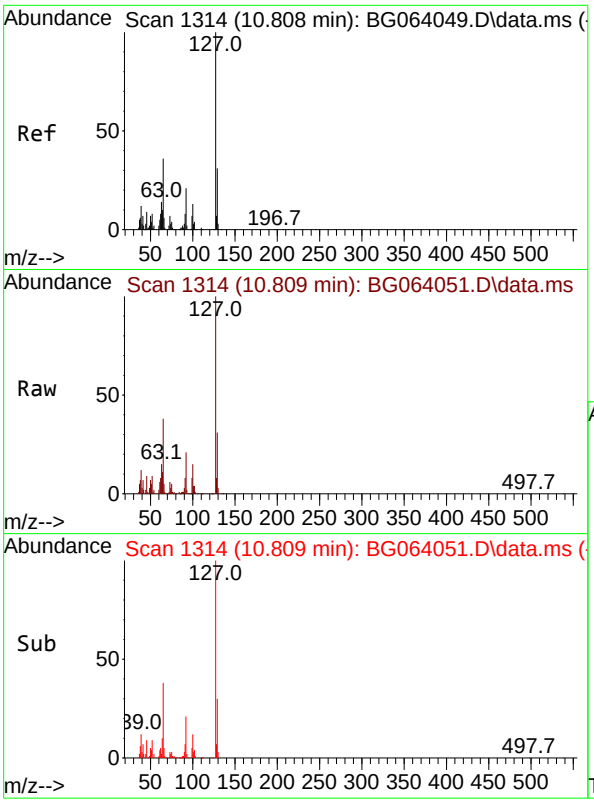


#32
Benzoic acid
Concen: 62.274 ng m
RT: 9.998 min Scan# 1176
Delta R.T. 0.024 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:122 Resp: 110878

Ion	Ratio	Lower	Upper
122	100		
105	130.0	115.0	155.0
77	107.8	80.9	120.9

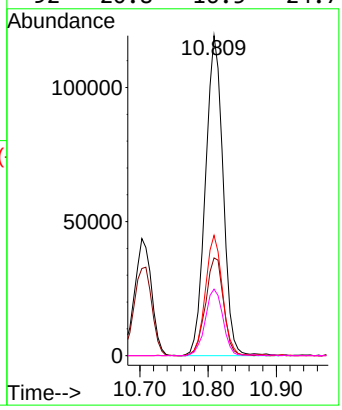




#33
4-Chloroaniline
Concen: 63.850 ng
RT: 10.809 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:127 Resp: 21409

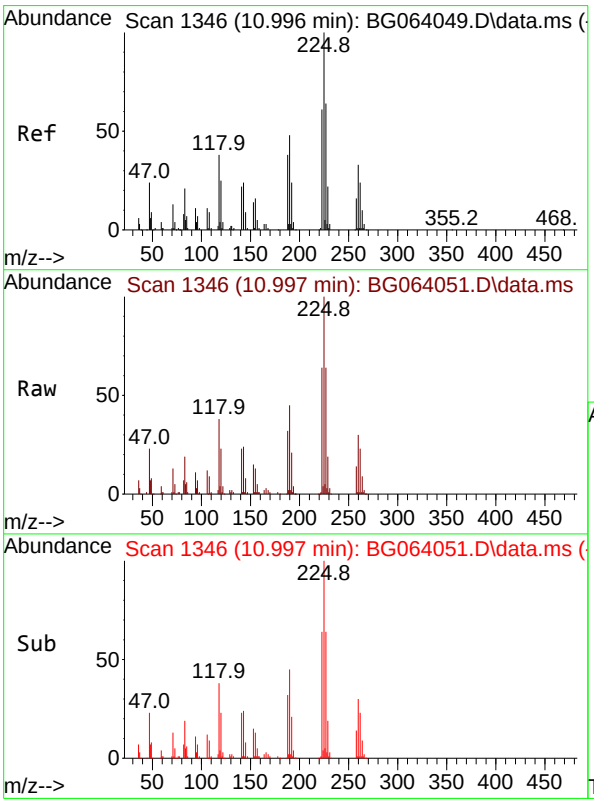
Ion	Ratio	Lower	Upper
127	100		
129	30.5	25.0	37.4
65	37.6	28.5	42.7
92	20.8	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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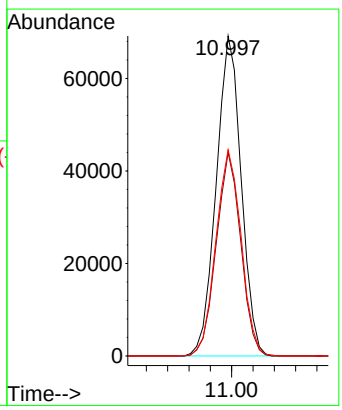
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

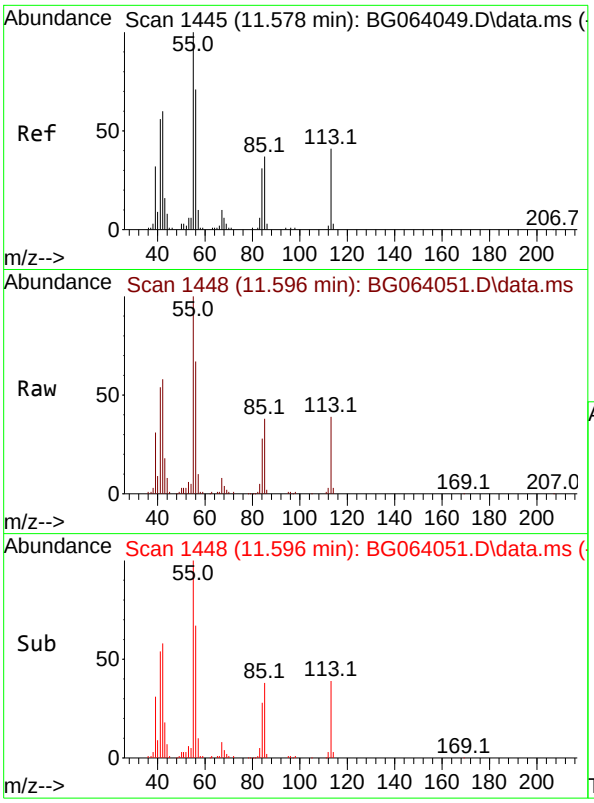


#34
Hexachlorobutadiene
Concen: 60.903 ng
RT: 10.997 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:225 Resp: 112408

Ion	Ratio	Lower	Upper
225	100		
223	63.6	48.5	72.7
227	64.5	51.0	76.6





#35
Caprolactam
Concen: 64.020 ng
RT: 11.596 min Scan# 14
Delta R.T. 0.018 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

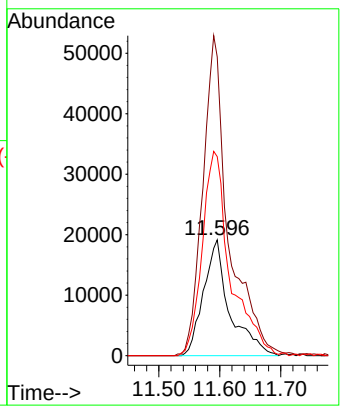
Tgt Ion:113 Resp: 5722

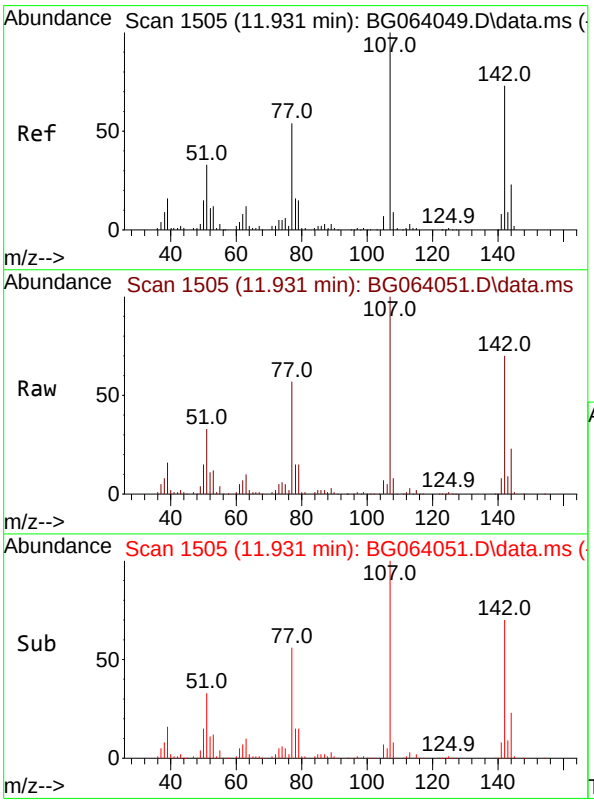
Ion	Ratio	Lower	Upper
113	100		
55	257.6	225.2	265.2
56	171.7	153.4	193.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

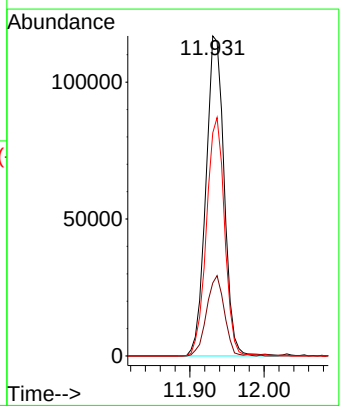


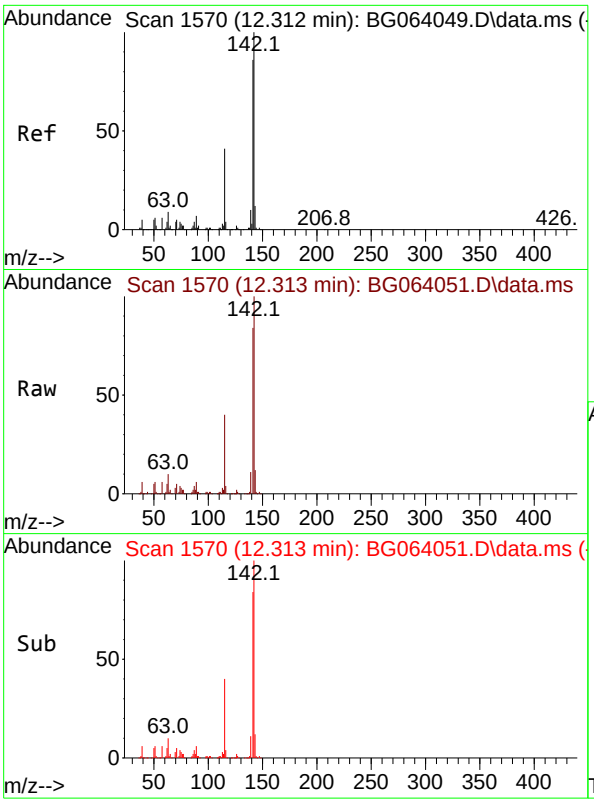


#36
4-Chloro-3-methylphenol
Concen: 65.149 ng
RT: 11.931 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:107 Resp: 199201

Ion	Ratio	Lower	Upper
107	100		
144	22.8	18.6	28.0
142	69.7	58.0	87.0

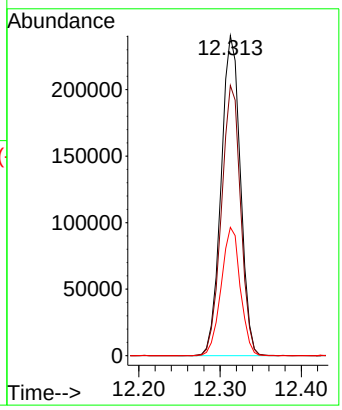




#37
2-Methylnaphthalene
Concen: 61.379 ng
RT: 12.313 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:142 Resp: 39752

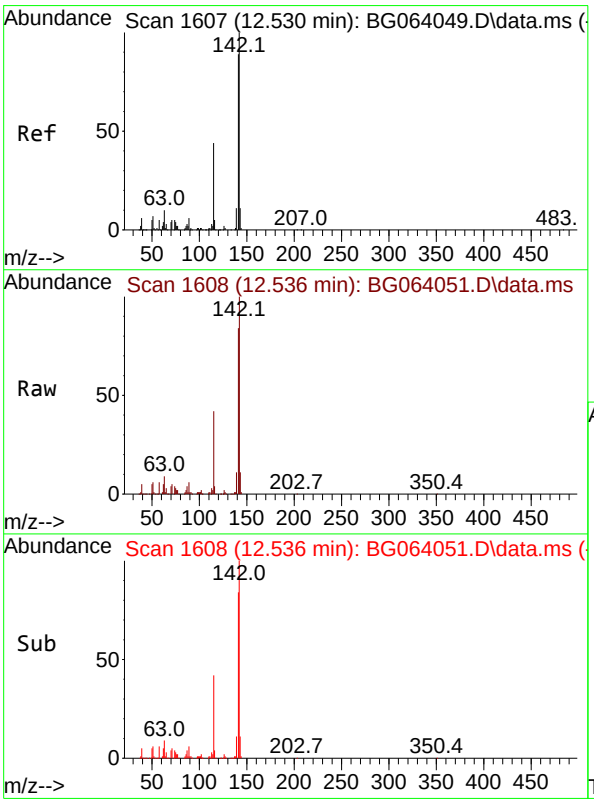
Ion	Ratio	Lower	Upper
142	100		
141	84.5	68.6	103.0
115	40.1	32.8	49.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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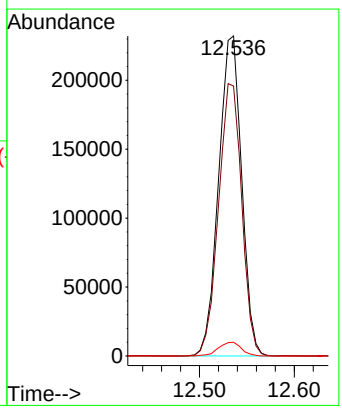
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

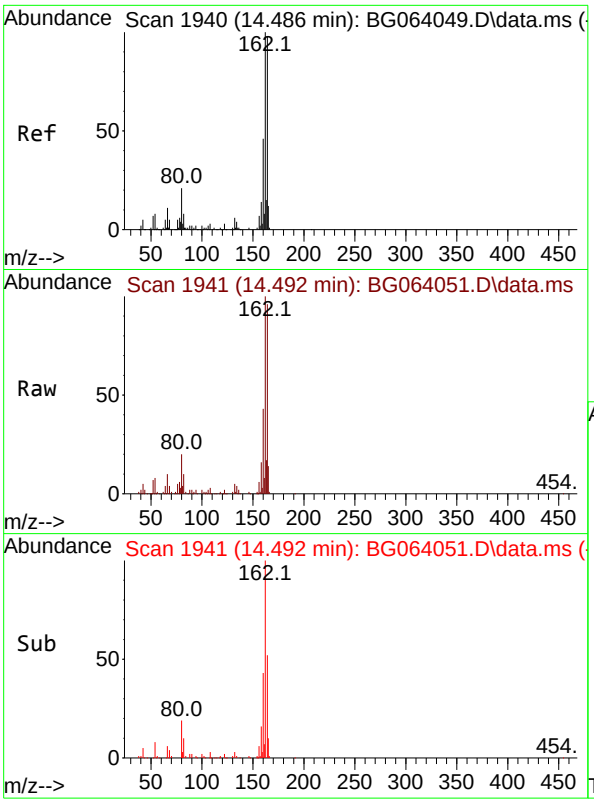


#38
1-Methylnaphthalene
Concen: 61.745 ng
RT: 12.536 min Scan# 1608
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:142 Resp: 391774

Ion	Ratio	Lower	Upper
142	100		
141	84.3	71.2	106.8
116	4.3	3.6	5.4

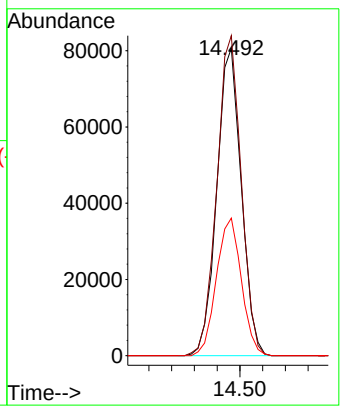




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:164 Resp: 12050

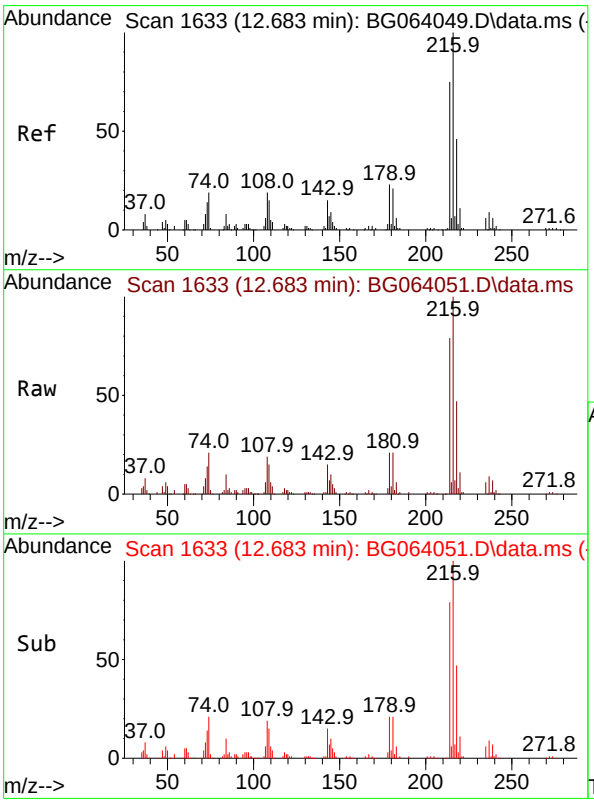
Ion	Ratio	Lower	Upper
164	100		
162	104.0	81.4	122.0
160	44.7	37.0	55.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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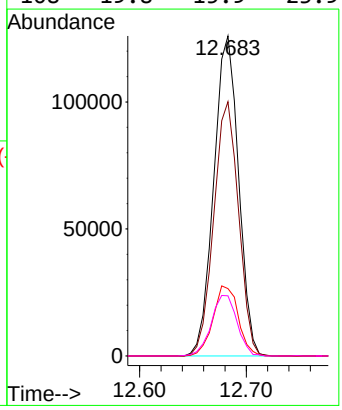
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

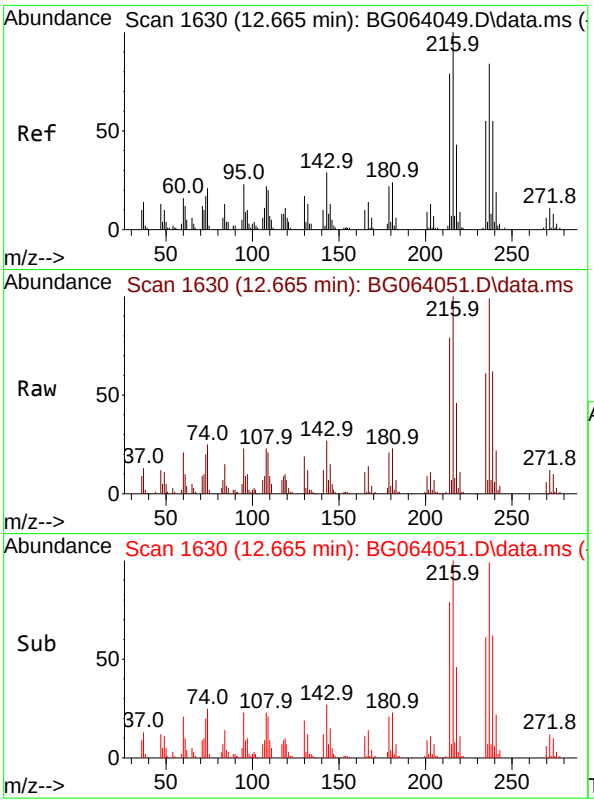


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.063 ng
RT: 12.683 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:216 Resp: 203188

Ion	Ratio	Lower	Upper
216	100		
214	79.3	61.7	92.5
179	22.3	17.9	26.9
108	19.8	15.9	23.9

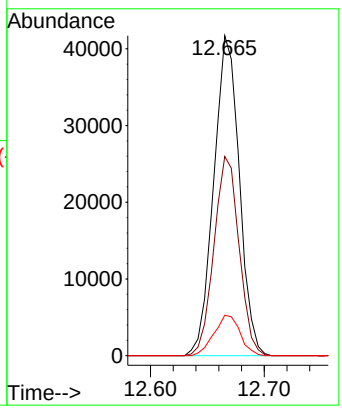




#41
Hexachlorocyclopentadiene
Concen: 67.203 ng
RT: 12.665 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:237 Resp: 6507(

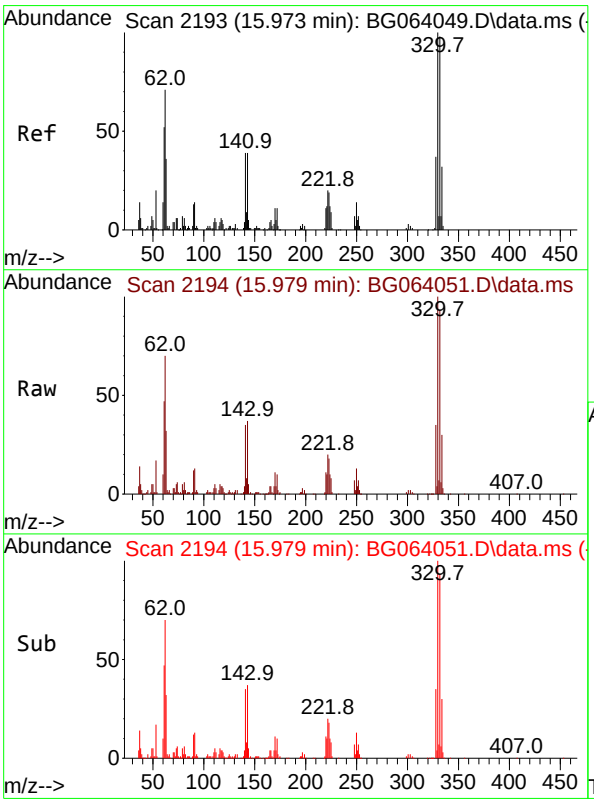
Ion	Ratio	Lower	Upper
237	100		
235	62.2	46.0	86.0
272	12.7	0.0	32.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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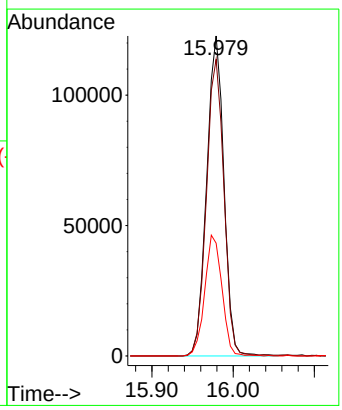
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

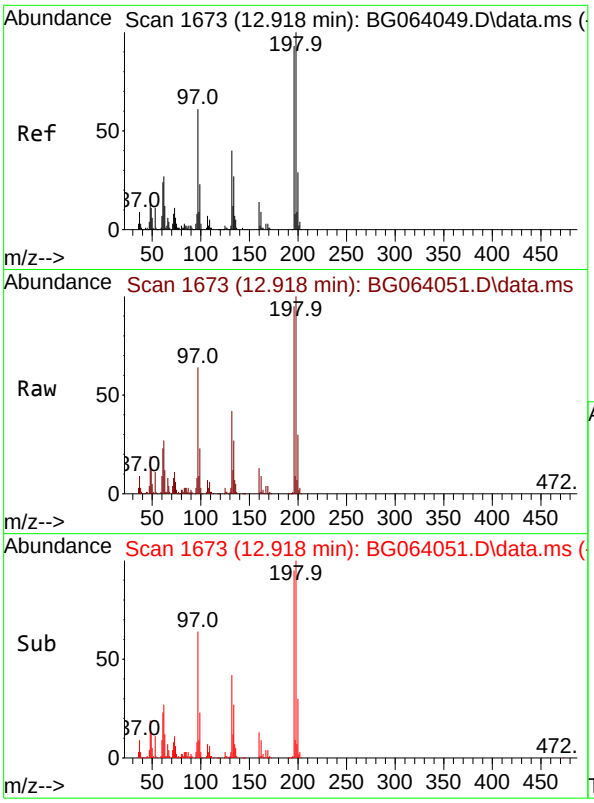


#42
2,4,6-Tribromophenol
Concen: 134.808 ng
RT: 15.979 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:330 Resp: 180569

Ion	Ratio	Lower	Upper
330	100		
332	93.7	76.7	115.1
141	37.7	29.7	44.5





#43
2,4,6-Trichlorophenol
Concen: 65.693 ng
RT: 12.918 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

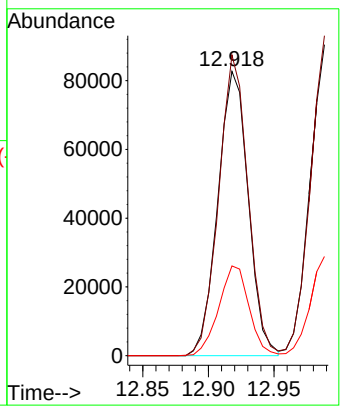
Tgt Ion:196 Resp: 13319

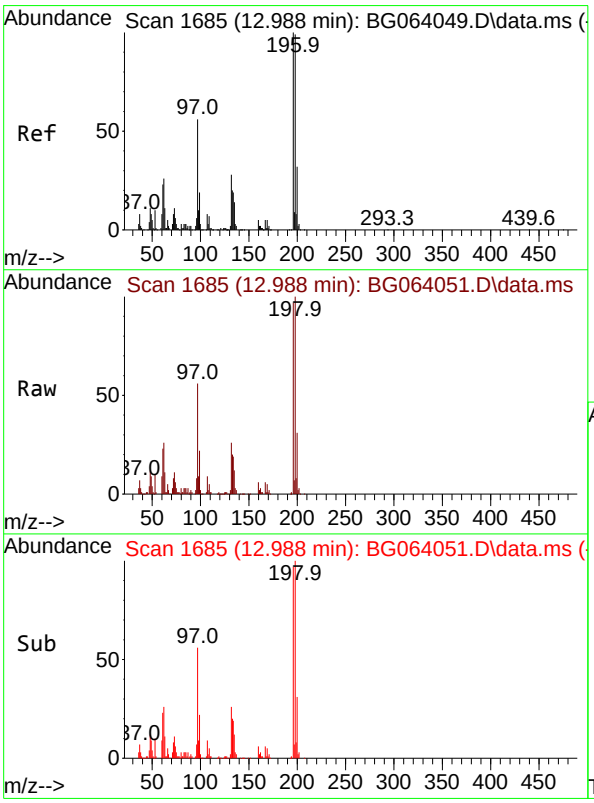
Ion	Ratio	Lower	Upper
196	100		
198	105.7	85.6	128.4
200	31.6	24.6	37.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

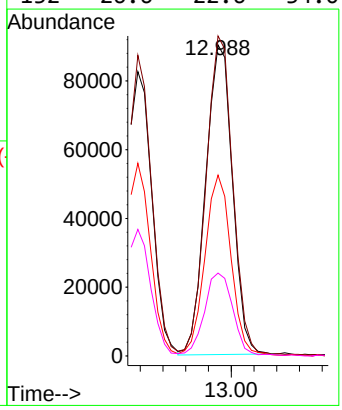


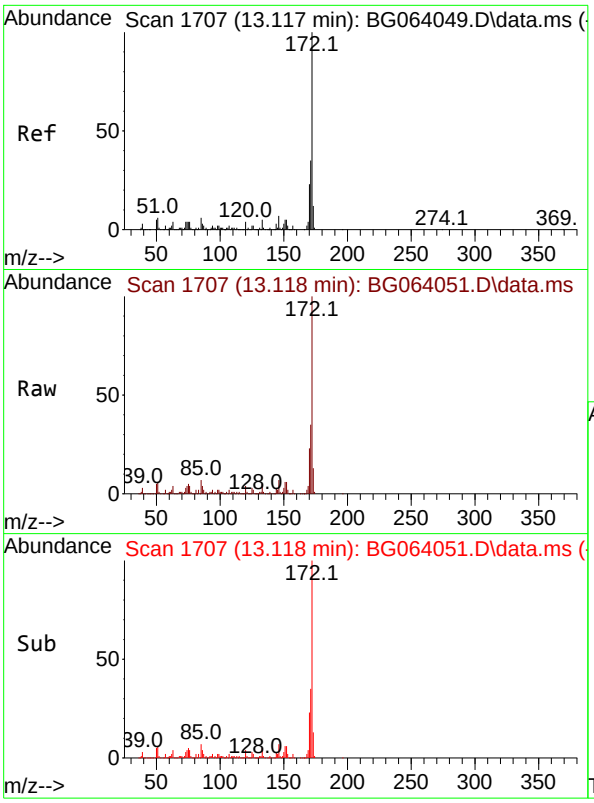


#44
2,4,5-Trichlorophenol
Concen: 65.338 ng
RT: 12.988 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:196 Resp: 147199

Ion	Ratio	Lower	Upper
196	100		
198	102.9	79.5	119.3
97	58.1	45.2	67.8
132	26.6	22.6	34.0

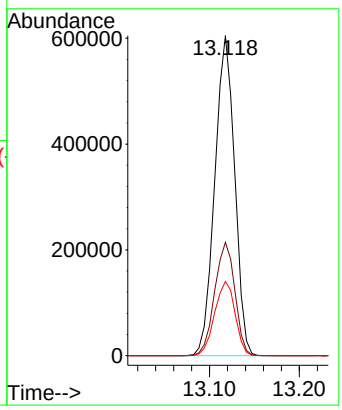




#45
2-Fluorobiphenyl
Concen: 116.978 ng
RT: 13.118 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:172 Resp: 92865

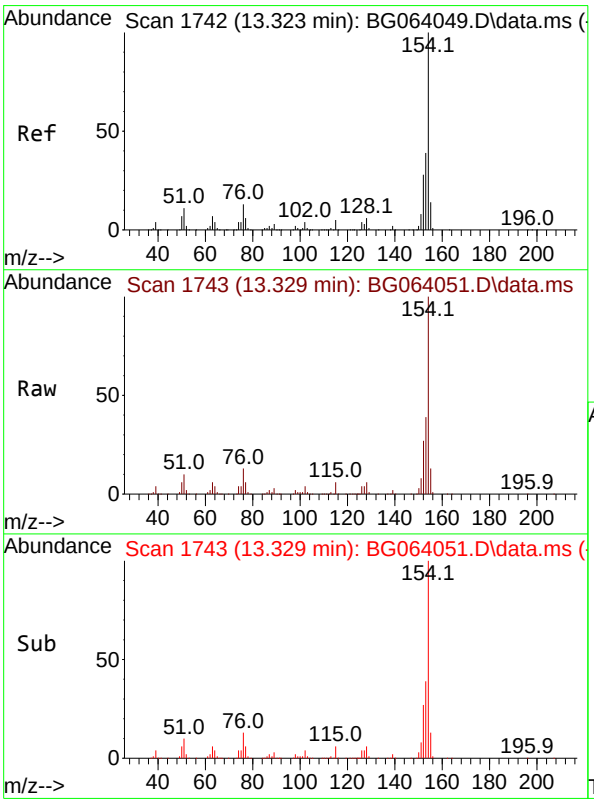
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.0	42.0
170	23.2	18.7	28.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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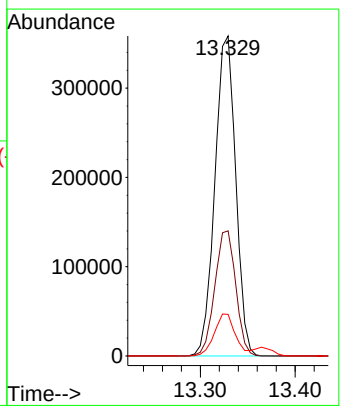
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

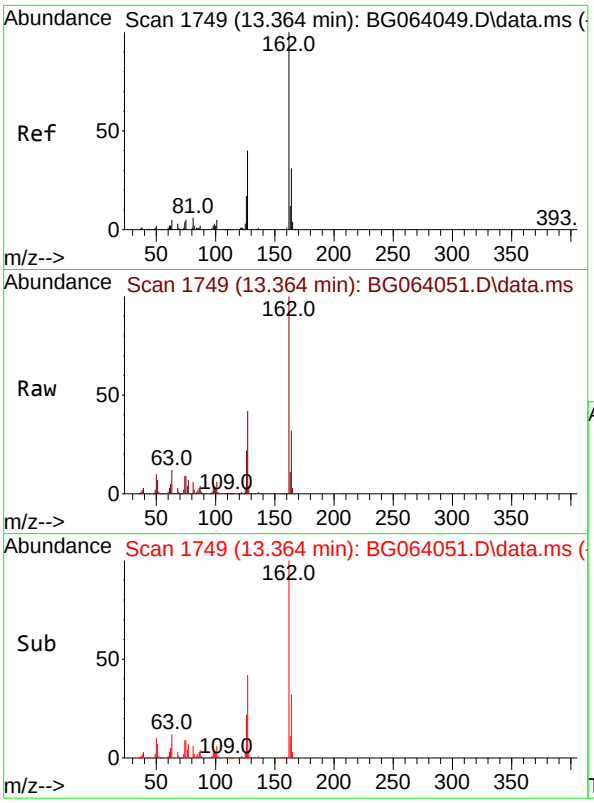


#46
1,1'-Biphenyl
Concen: 60.056 ng
RT: 13.329 min Scan# 1743
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:154 Resp: 546747

Ion	Ratio	Lower	Upper
154	100		
153	39.1	19.5	59.5
76	13.0	0.0	33.5

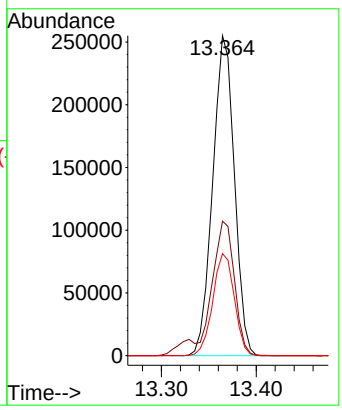




#47
2-Chloronaphthalene
Concen: 61.023 ng
RT: 13.364 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:162 Resp: 40517

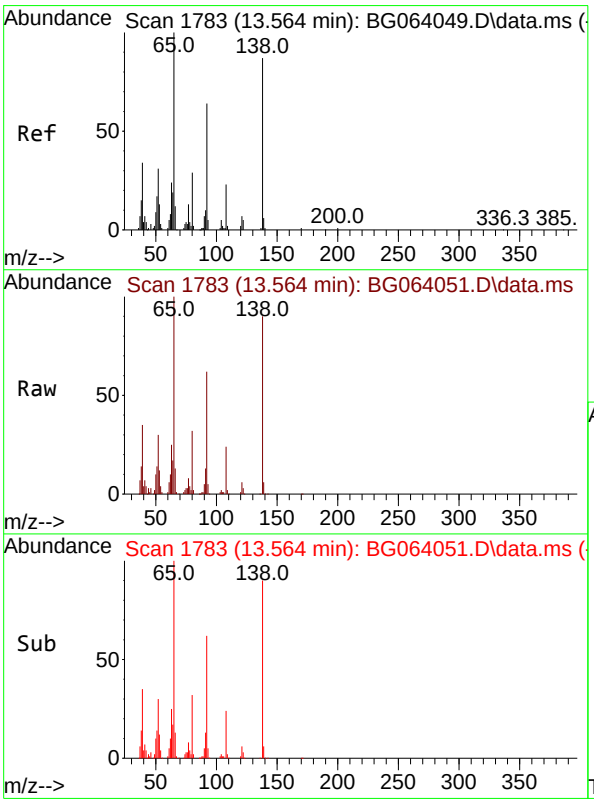
Ion	Ratio	Lower	Upper
162	100		
127	42.1	35.0	52.4
164	31.9	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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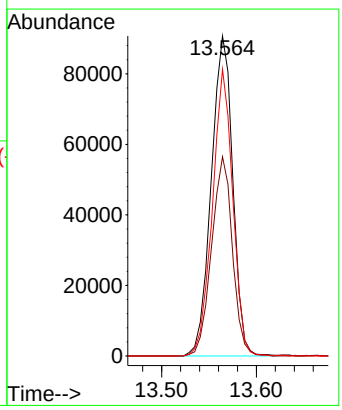
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

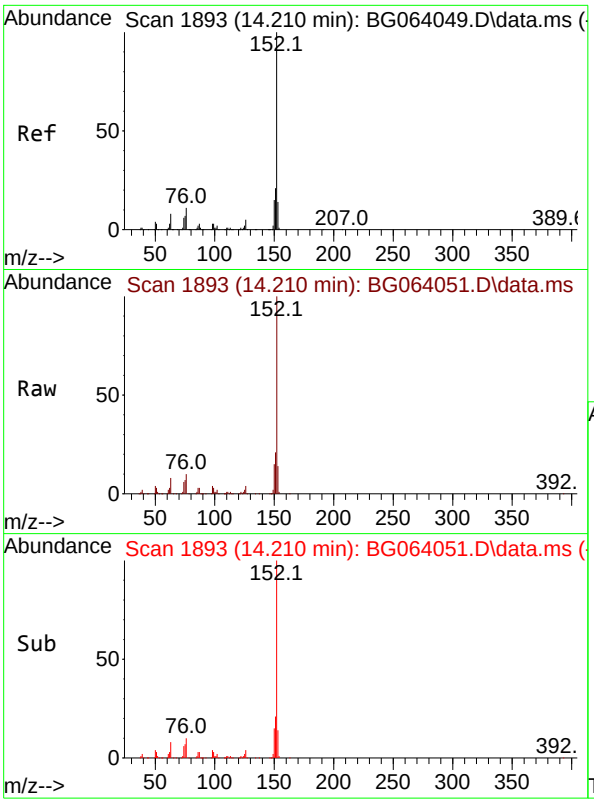


#48
2-Nitroaniline
Concen: 61.521 ng
RT: 13.564 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 65 Resp: 143213

Ion	Ratio	Lower	Upper
65	100		
92	62.2	51.2	76.8
138	89.6	69.4	104.2

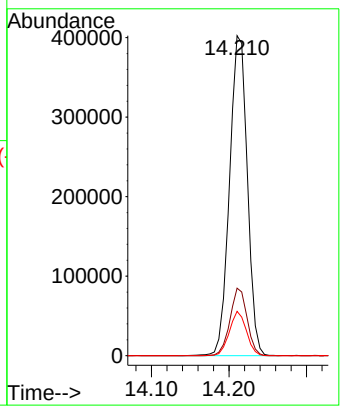




#49
Acenaphthylene
Concen: 61.154 ng
RT: 14.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:152 Resp: 64225

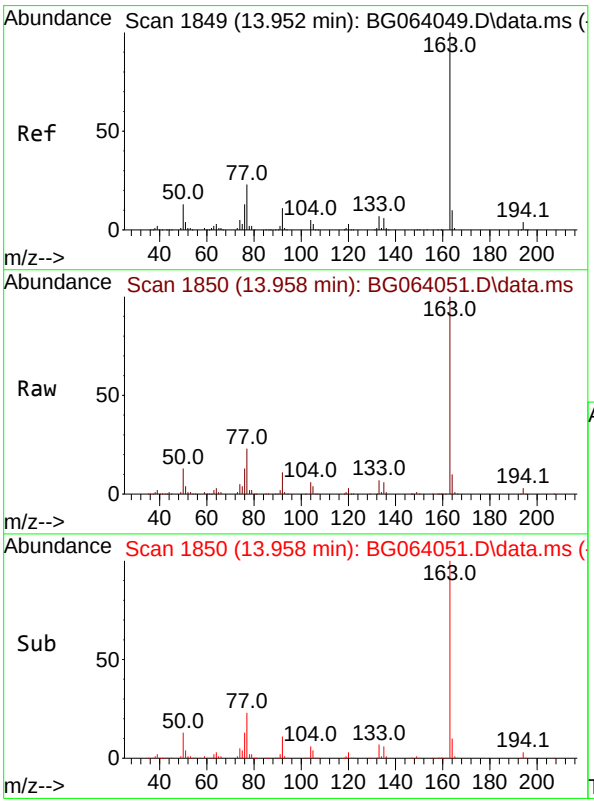
Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.4	24.6
153	13.9	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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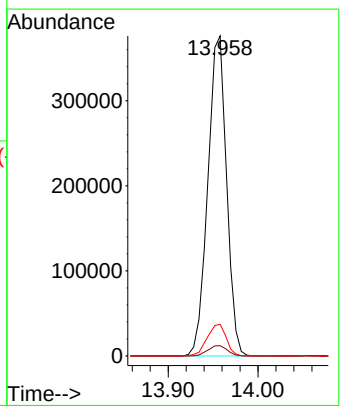
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

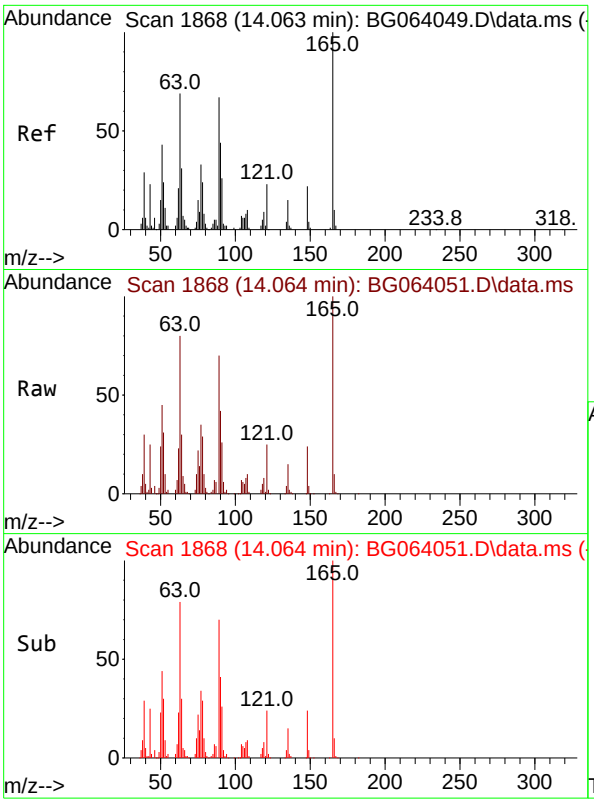


#50
Dimethylphthalate
Concen: 61.282 ng
RT: 13.958 min Scan# 1850
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:163 Resp: 545112

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	9.9	8.2	12.2

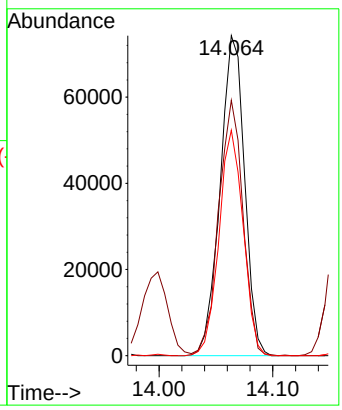




#51
2,6-Dinitrotoluene
Concen: 60.475 ng
RT: 14.064 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:165 Resp: 11082

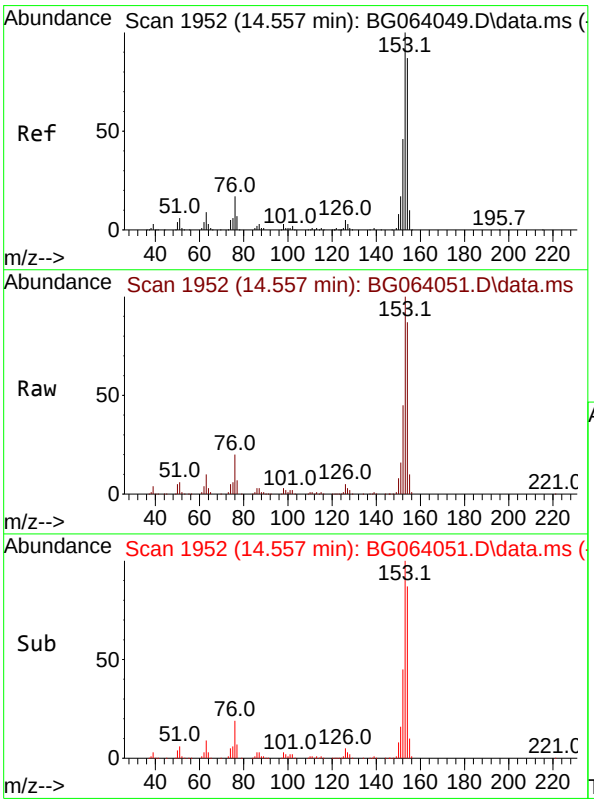
Ion	Ratio	Lower	Upper
165	100		
63	79.8	56.7	85.1
89	70.5	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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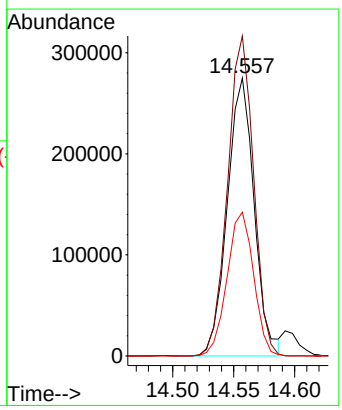
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

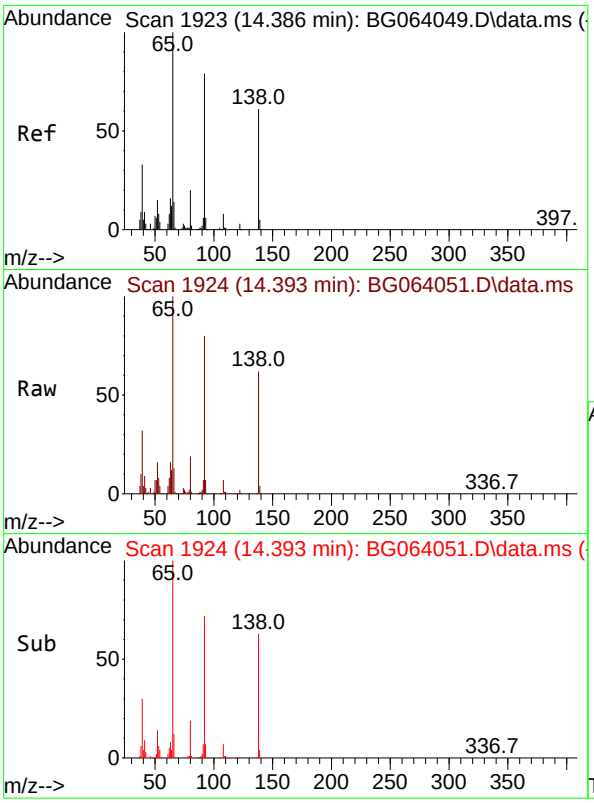


#52
Acenaphthene
Concen: 59.918 ng
RT: 14.557 min Scan# 1952
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:154 Resp: 423181

Ion	Ratio	Lower	Upper
154	100		
153	115.2	91.6	137.4
152	51.8	42.5	63.7





#53
3-Nitroaniline
Concen: 69.150 ng
RT: 14.393 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

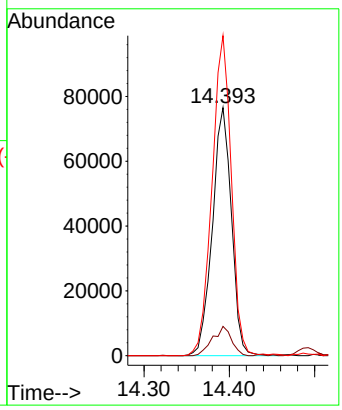
Tgt Ion:138 Resp: 11888

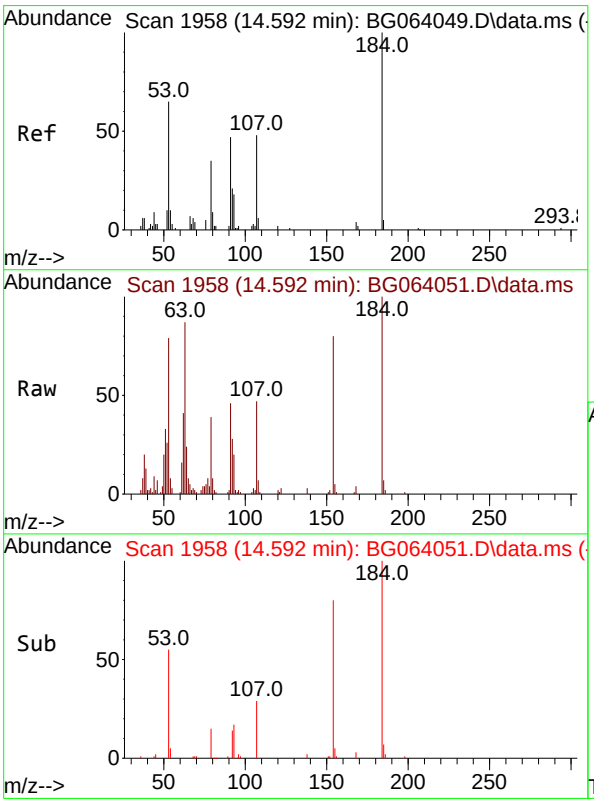
Ion	Ratio	Lower	Upper
138	100		
108	11.8	10.1	15.1
92	129.1	104.1	156.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

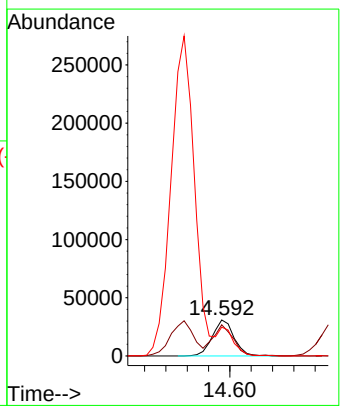


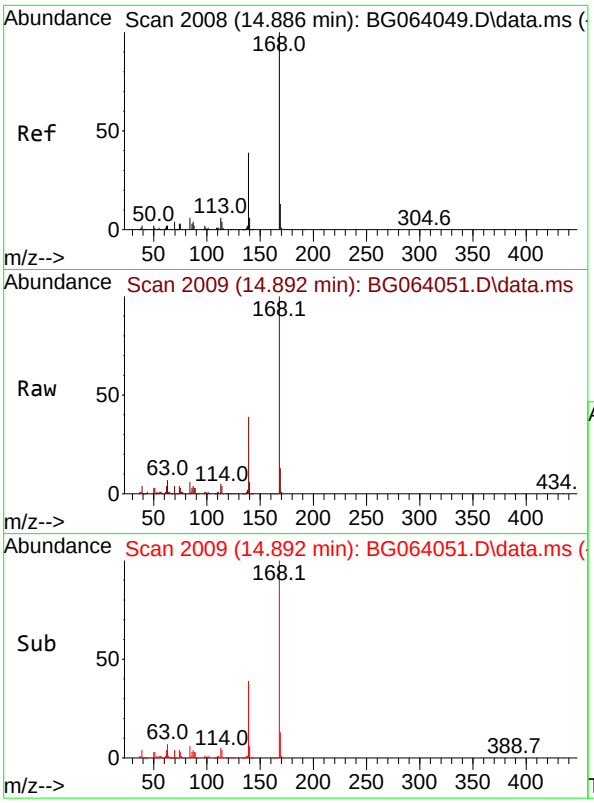


#54
2,4-Dinitrophenol
Concen: 60.118 ng
RT: 14.592 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:184 Resp: 43597

Ion	Ratio	Lower	Upper
184	100		
63	86.6	57.5	86.3#
154	80.0	52.3	78.5#

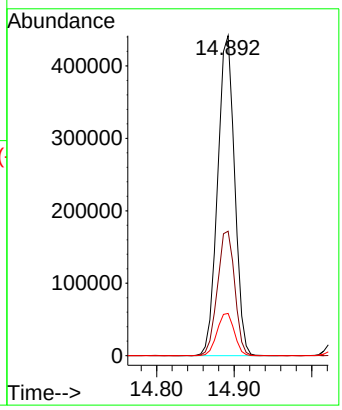




#55
Dibenzofuran
Concen: 59.009 ng
RT: 14.892 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:168 Resp: 67376

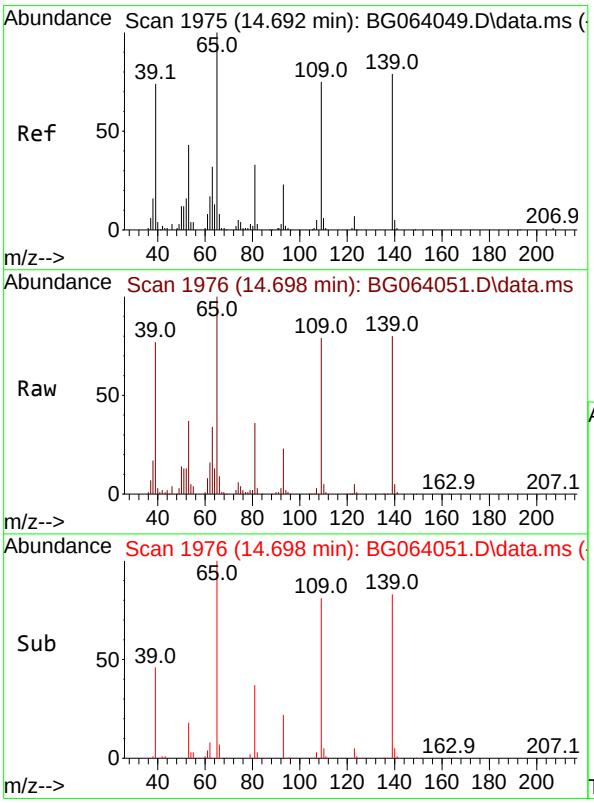
Ion	Ratio	Lower	Upper
168	100		
139	38.9	31.1	46.7
169	13.2	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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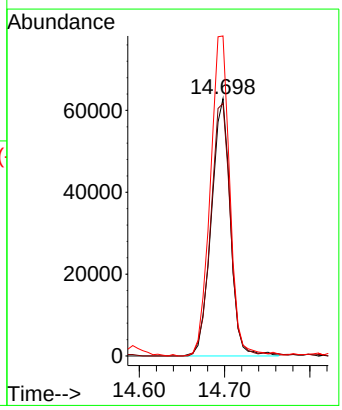
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

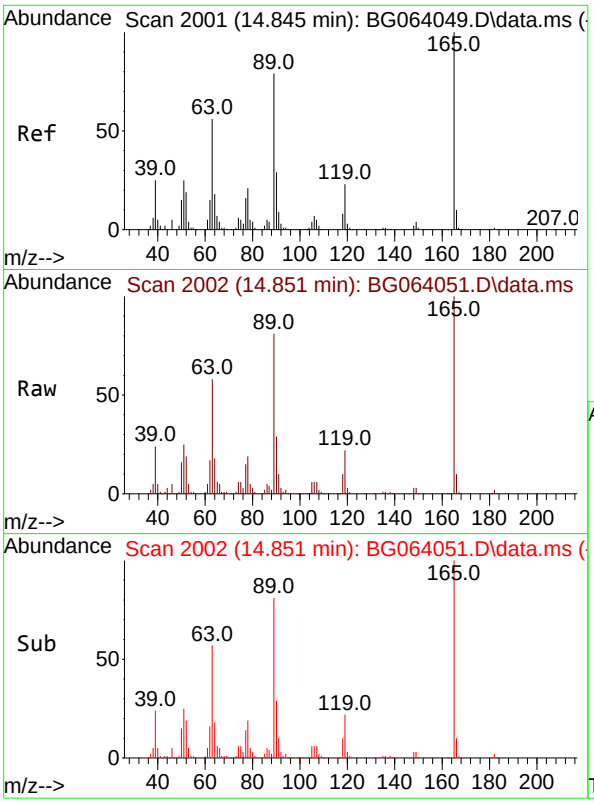


#56
4-Nitrophenol
Concen: 67.751 ng
RT: 14.698 min Scan# 1976
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:139 Resp: 97685

Ion	Ratio	Lower	Upper
139	100		
109	98.1	74.9	114.9
65	124.4	106.8	146.8

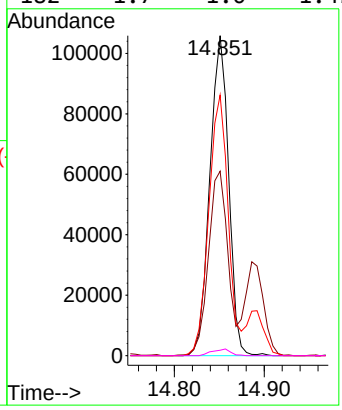




#57
2,4-Dinitrotoluene
Concen: 60.762 ng
RT: 14.851 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:165 Resp: 15390

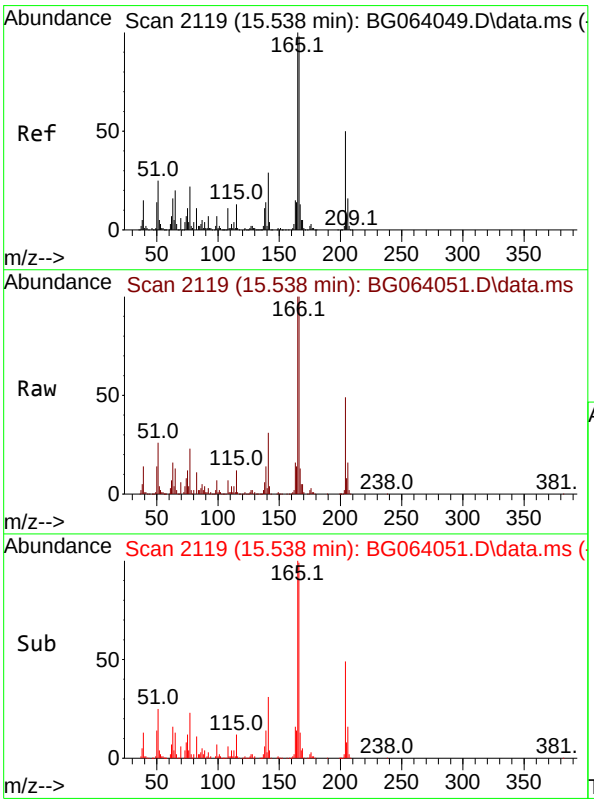
Ion	Ratio	Lower	Upper
165	100		
63	57.7	45.0	67.6
89	81.5	63.1	94.7
182	1.7	1.0	1.4#



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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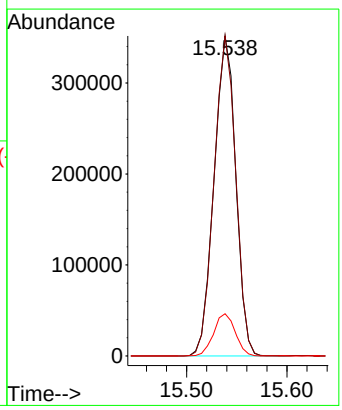
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

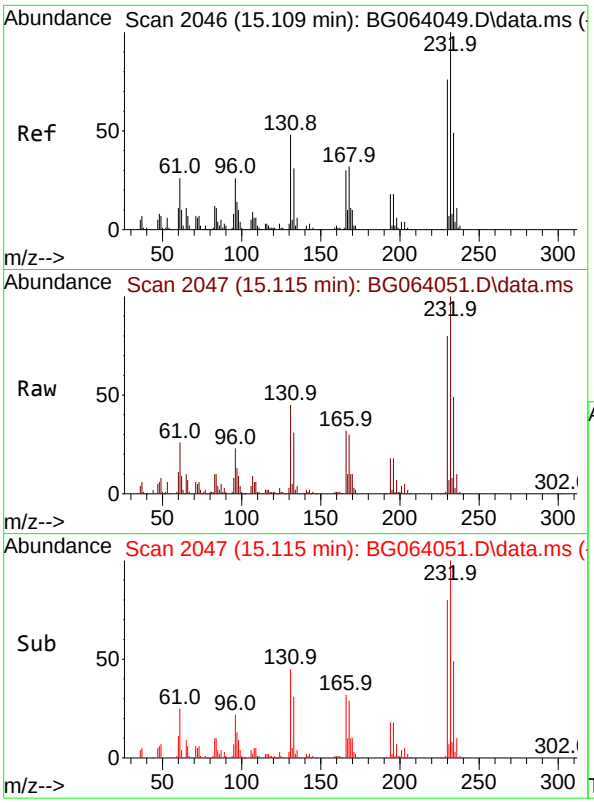


#58
Fluorene
Concen: 59.367 ng
RT: 15.538 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:166 Resp: 527952

Ion	Ratio	Lower	Upper
166	100		
165	100.0	81.8	122.8
167	13.2	10.8	16.2

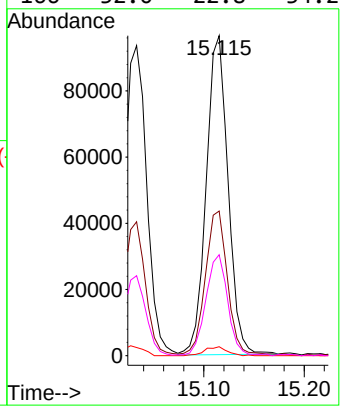




#59
2,3,4,6-Tetrachlorophenol
Concen: 66.199 ng
RT: 15.115 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:232 Resp: 14539

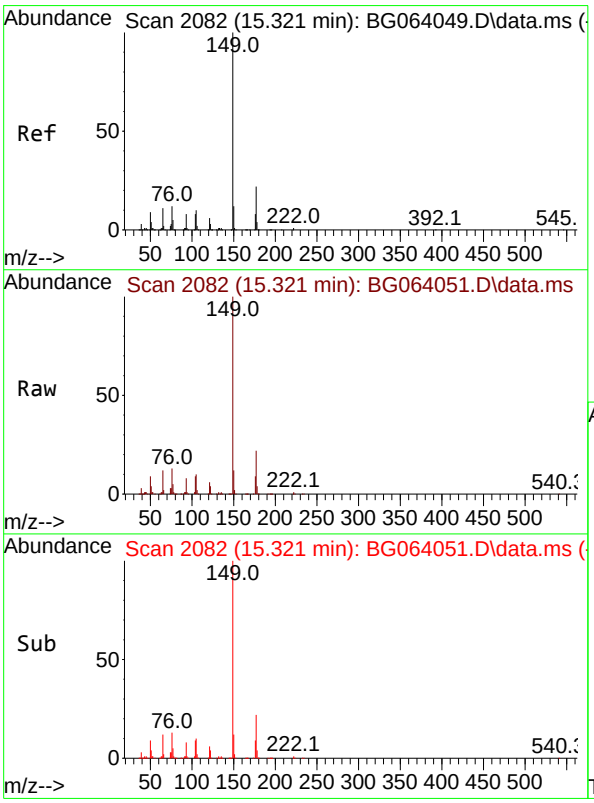
Ion	Ratio	Lower	Upper
232	100		
131	46.7	36.3	54.5
130	2.9	1.9	2.9
166	32.0	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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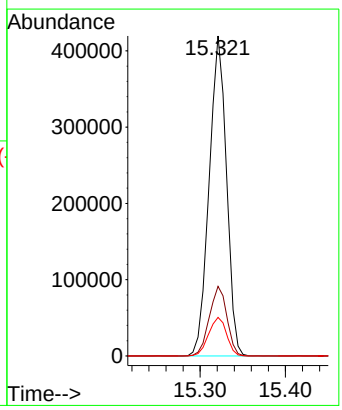
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

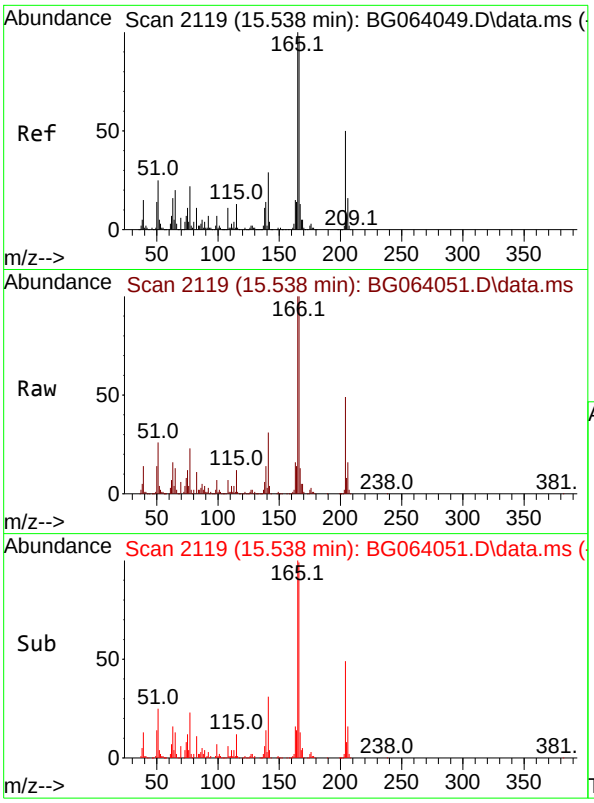


#60
Diethylphthalate
Concen: 61.289 ng
RT: 15.321 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:149 Resp: 591838

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.0	9.4	14.2





#61
4-Chlorophenyl-phenylether
Concen: 59.007 ng
RT: 15.538 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

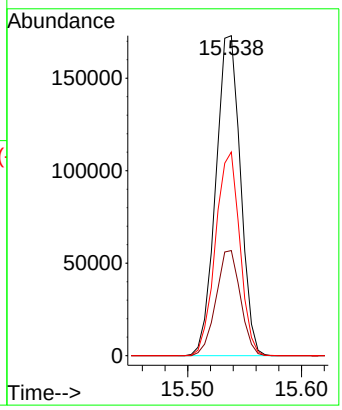
Tgt Ion:204 Resp: 26076

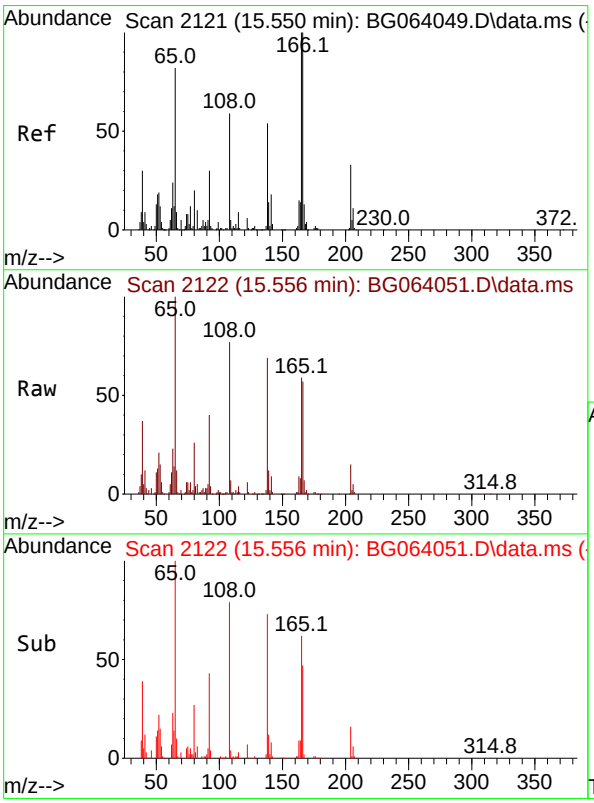
Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.5	38.3
141	63.7	45.4	68.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

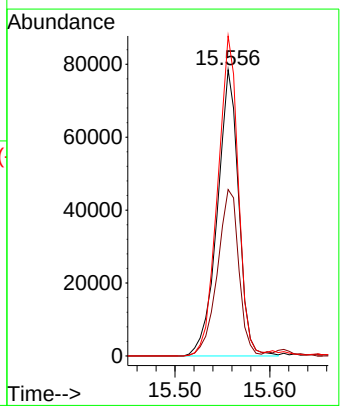


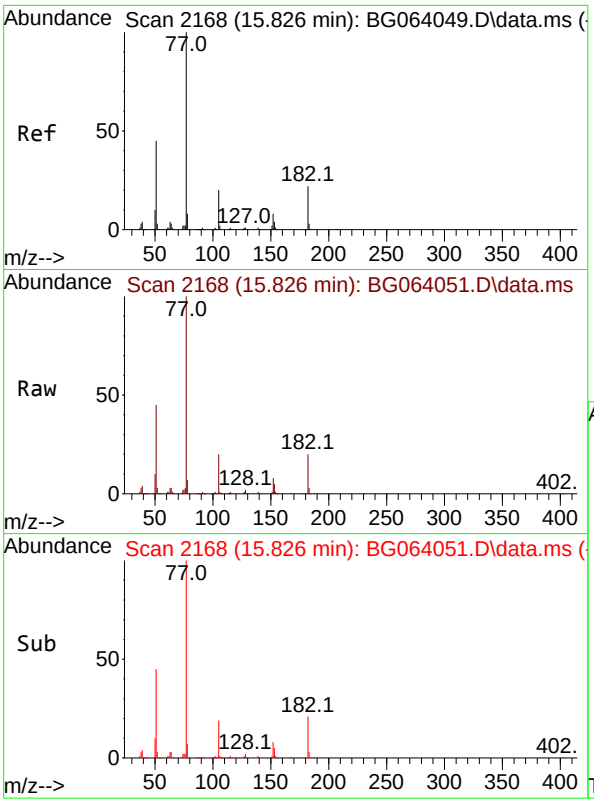


#62
4-Nitroaniline
Concen: 65.996 ng
RT: 15.556 min Scan# 2122
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:138 Resp: 122494

Ion	Ratio	Lower	Upper
138	100		
92	58.1	36.1	76.1
108	111.8	87.9	127.9

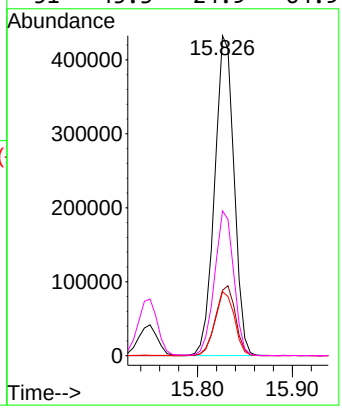




#63
Azobenzene
Concen: 59.818 ng
RT: 15.826 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 77 Resp: 61638

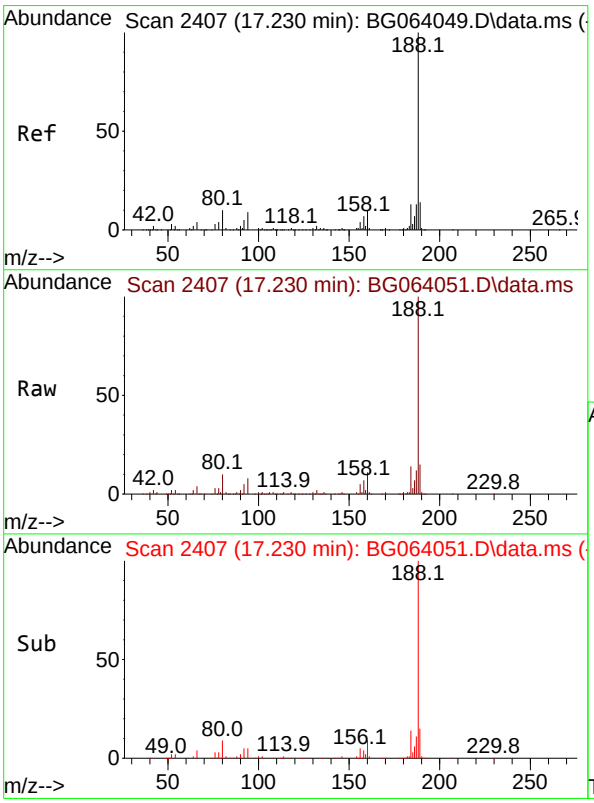
Ion	Ratio	Lower	Upper
77	100		
182	20.4	2.4	42.4
105	20.0	0.0	40.0
51	45.3	24.9	64.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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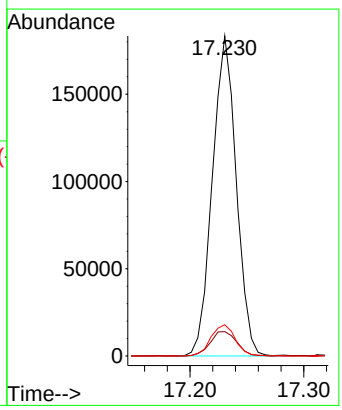
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

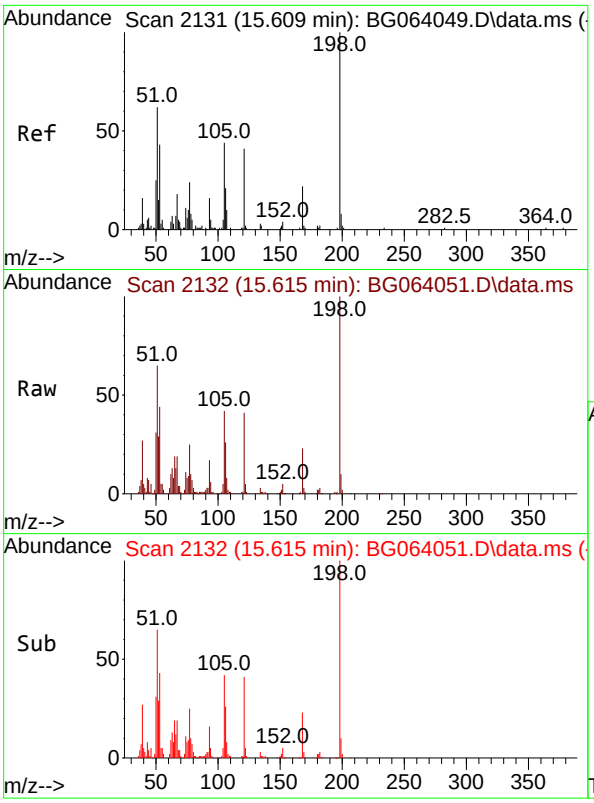


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.230 min Scan# 2407
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:188 Resp: 267696

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.9	10.3
80	9.8	8.1	12.1

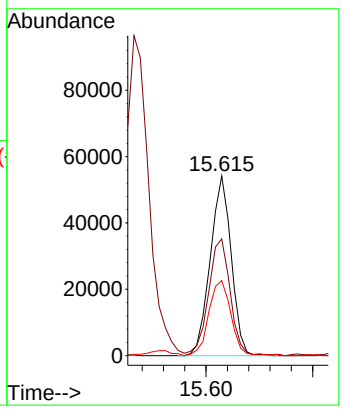




#65
4,6-Dinitro-2-methylphenol
Concen: 61.305 ng
RT: 15.615 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:198 Resp: 7405

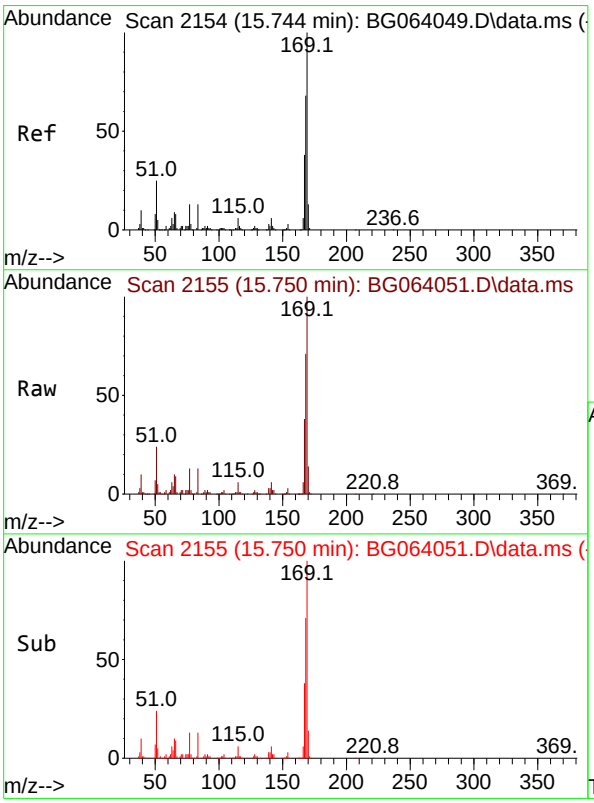
Ion	Ratio	Lower	Upper
198	100		
51	65.1	45.6	85.6
105	41.7	25.3	65.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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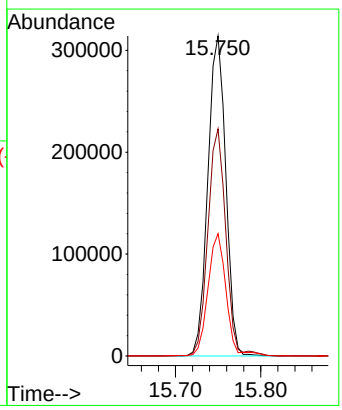
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

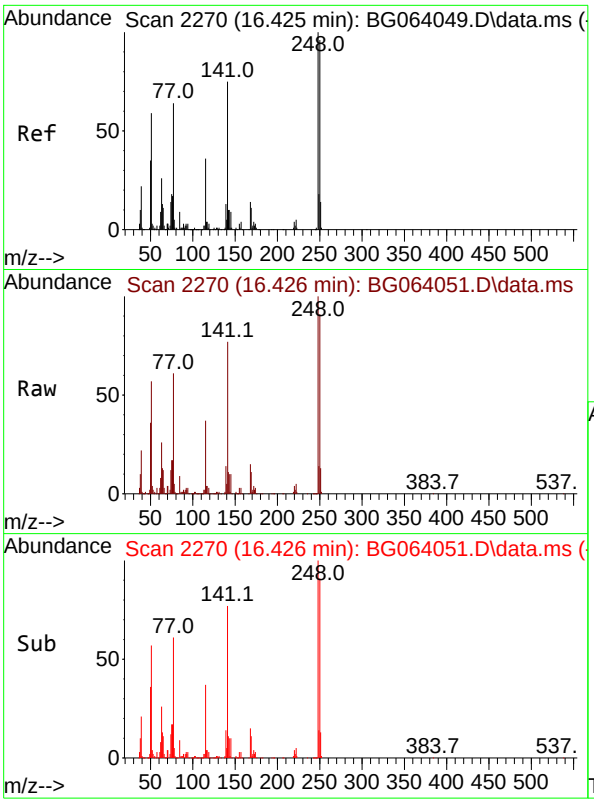


#66
n-Nitrosodiphenylamine
Concen: 60.488 ng
RT: 15.750 min Scan# 2155
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:169 Resp: 458342

Ion	Ratio	Lower	Upper
169	100		
168	71.0	54.1	81.1
167	38.2	30.3	45.5

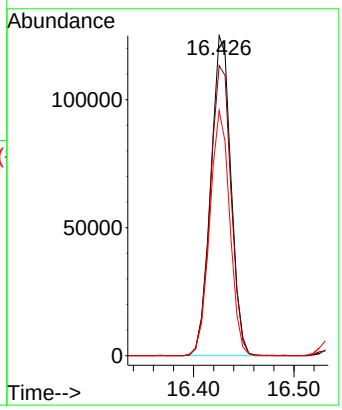




#67
4-Bromophenyl-phenylether
Concen: 63.681 ng
RT: 16.426 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:248 Resp: 17459

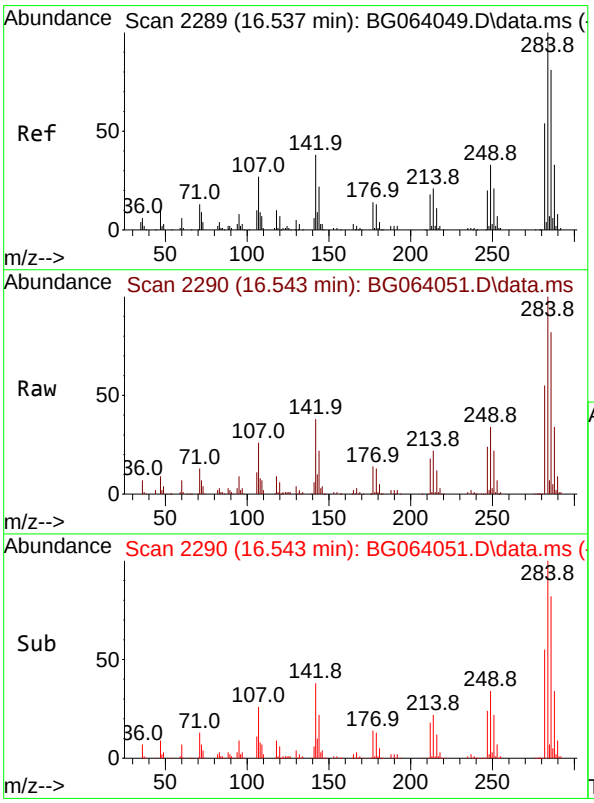
Ion	Ratio	Lower	Upper
248	100		
250	90.7	77.1	115.7
141	76.6	59.8	89.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

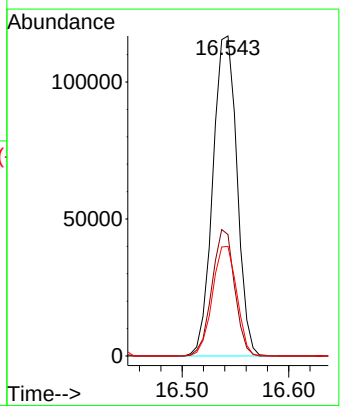
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

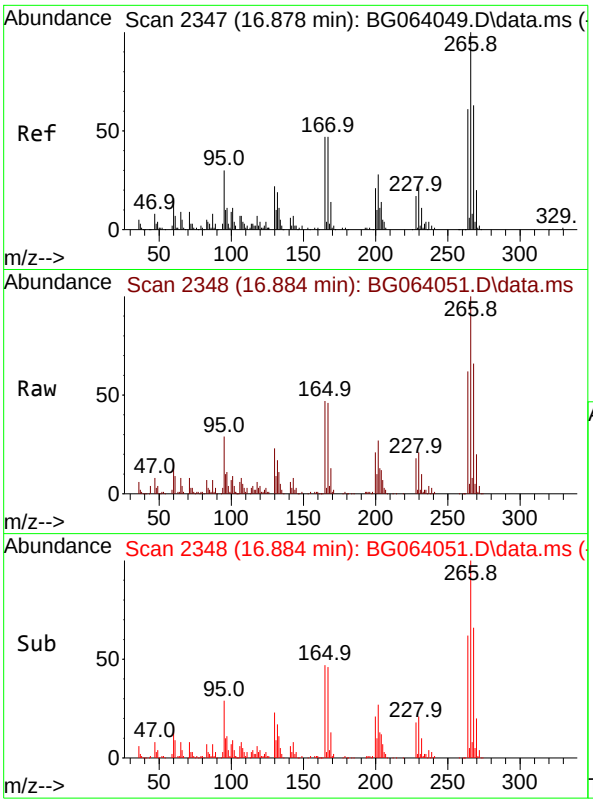


#68
Hexachlorobenzene
Concen: 59.848 ng
RT: 16.543 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:284 Resp: 183700

Ion	Ratio	Lower	Upper
284	100		
142	37.9	30.6	45.8
249	34.3	26.6	39.8

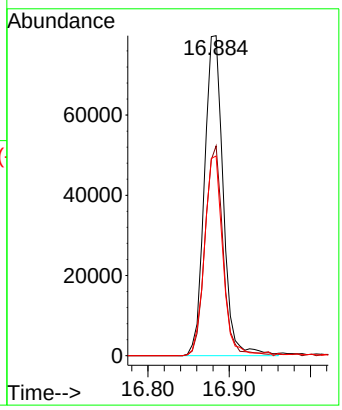




#70
Pentachlorophenol
Concen: 66.910 ng
RT: 16.884 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:266 Resp: 12751

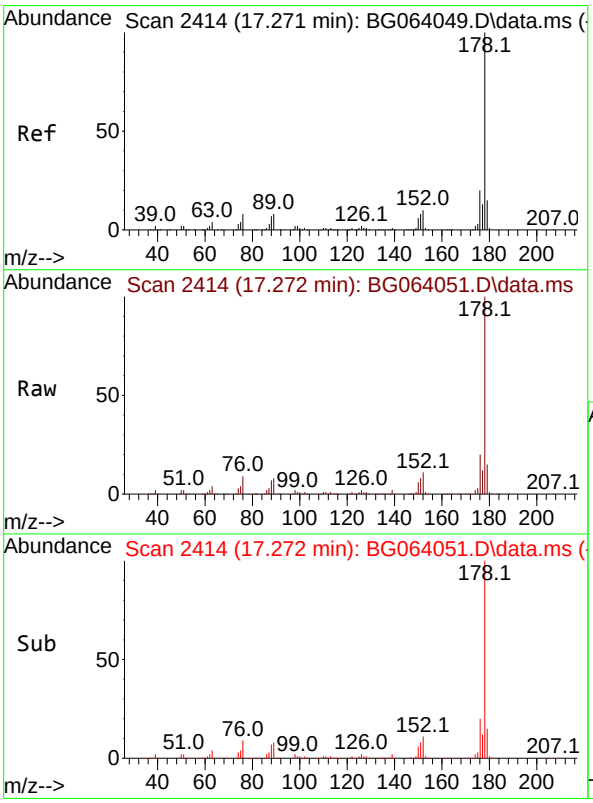
Ion	Ratio	Lower	Upper
266	100		
268	65.5	50.2	75.4
264	62.4	48.9	73.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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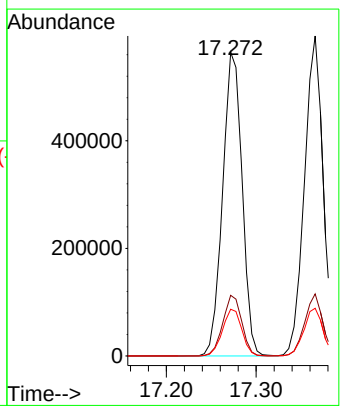
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

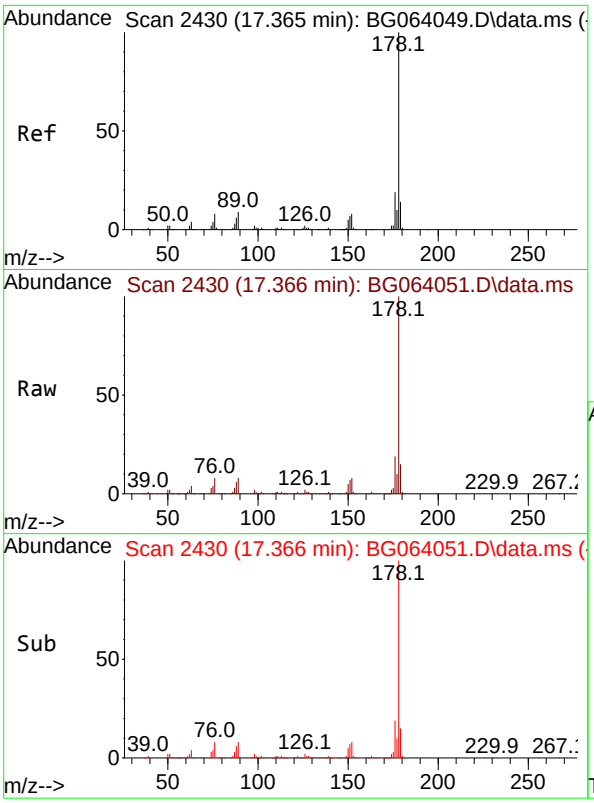


#71
Phenanthrene
Concen: 59.544 ng
RT: 17.272 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:178 Resp: 850190

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	15.4	12.2	18.2

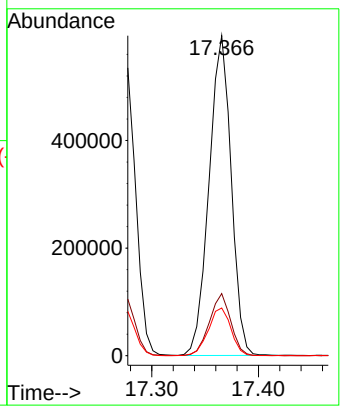




#72
Anthracene
Concen: 60.267 ng
RT: 17.366 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:178 Resp: 85566

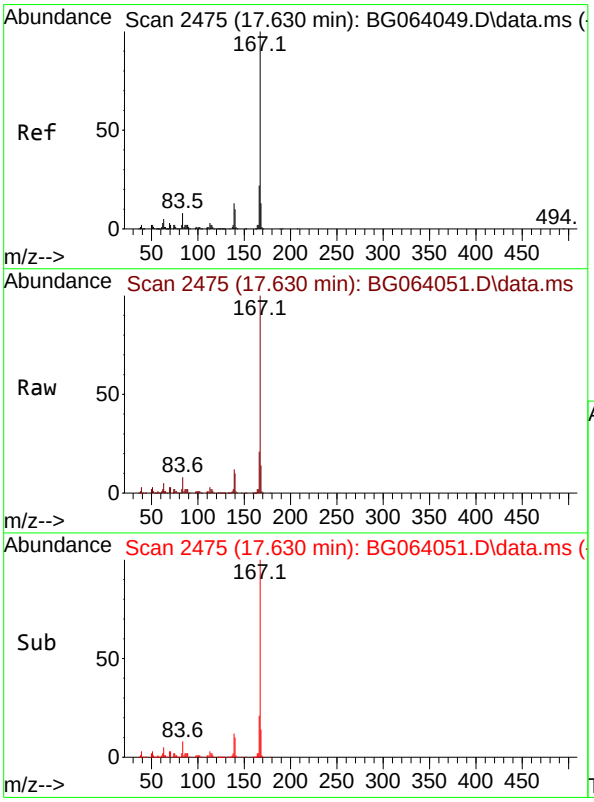
Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.8	22.2
179	14.9	11.5	17.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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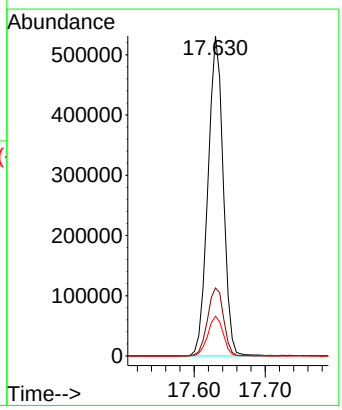
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

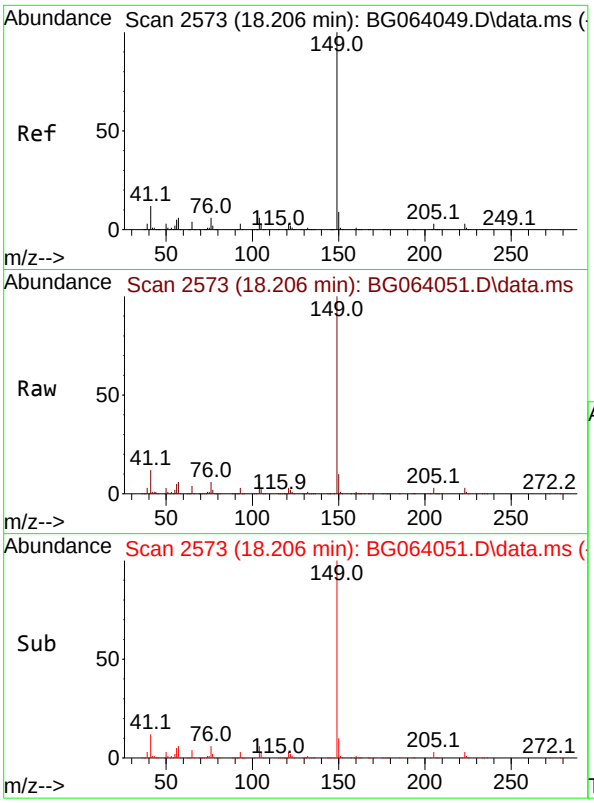


#73
Carbazole
Concen: 59.729 ng
RT: 17.630 min Scan# 2475
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:167 Resp: 791764

Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.0	27.0
139	12.4	10.6	15.8

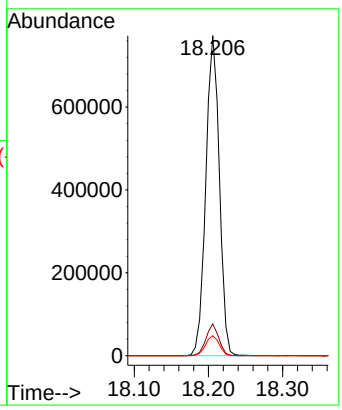




#74
Di-n-butylphthalate
Concen: 62.731 ng
RT: 18.206 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:149 Resp: 97883

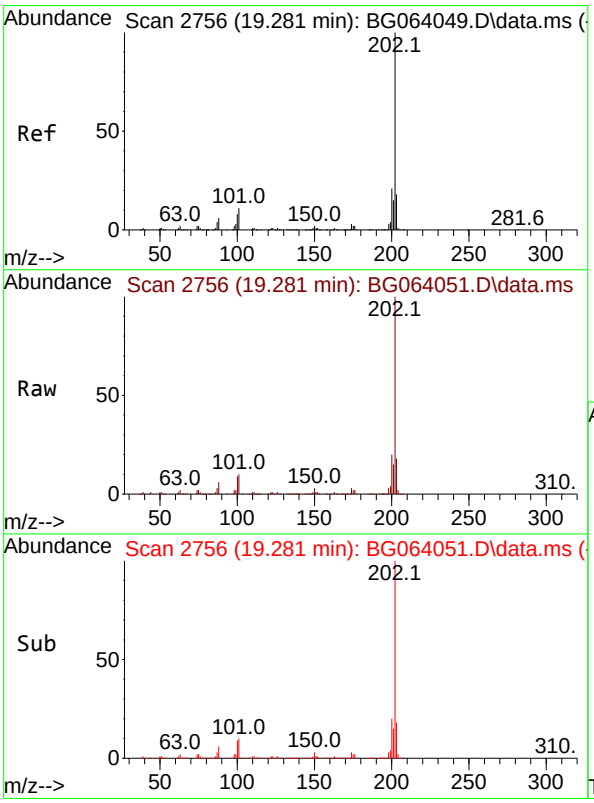
Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.4	11.0
104	6.3	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

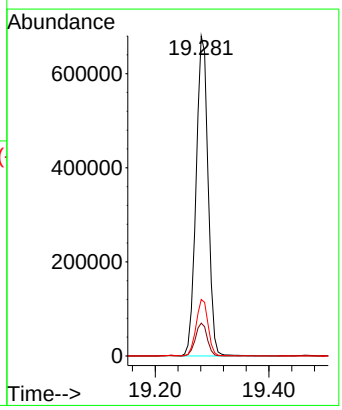
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

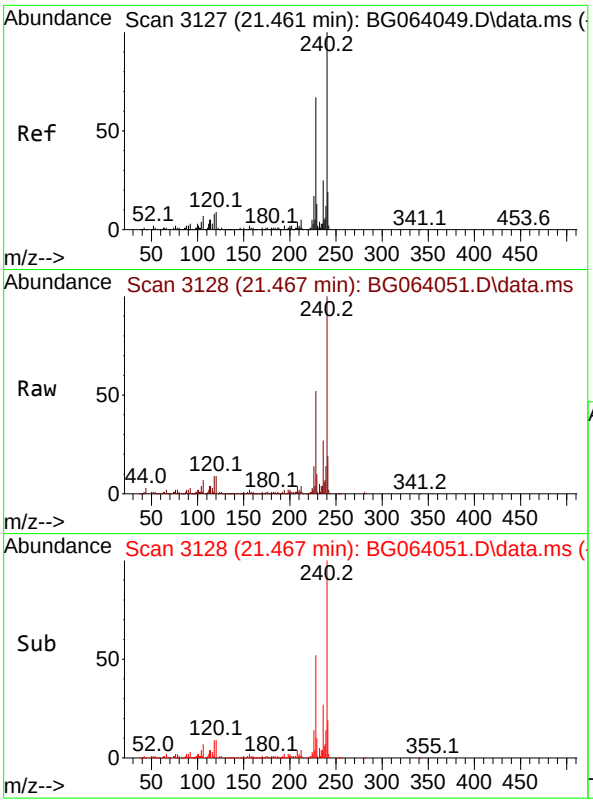


#75
Fluoranthene
Concen: 57.980 ng
RT: 19.281 min Scan# 2756
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:202 Resp: 998035

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.5
203	17.7	0.0	38.3

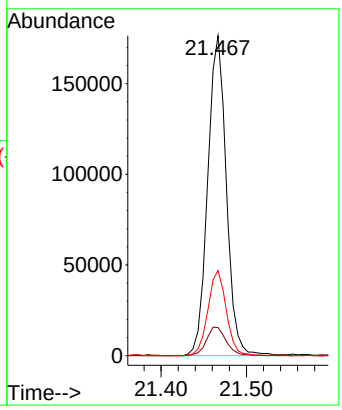




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.467 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:240 Resp: 26769

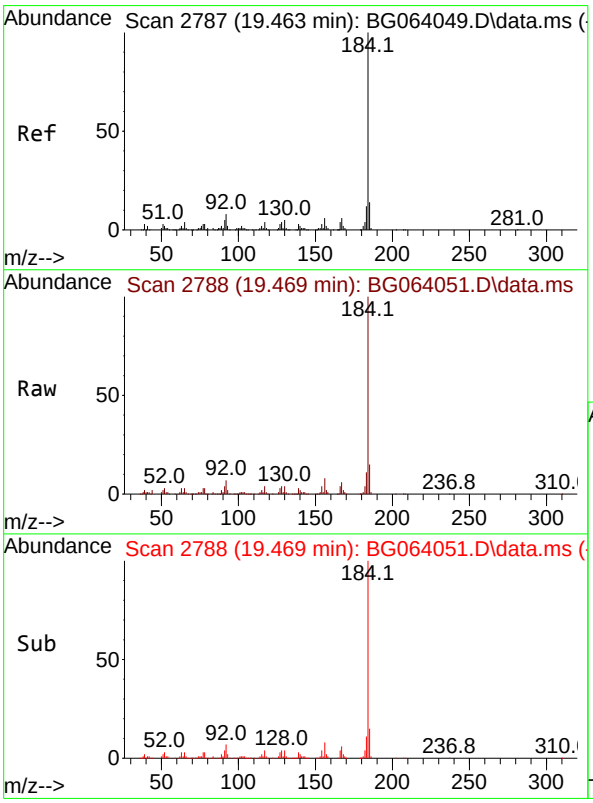
Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.2	10.8
236	26.6	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

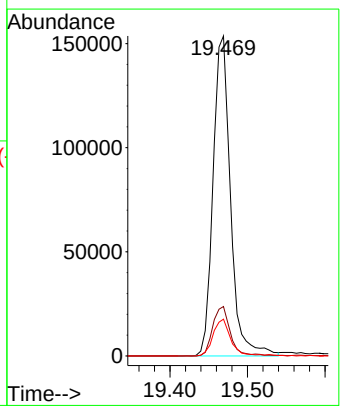
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

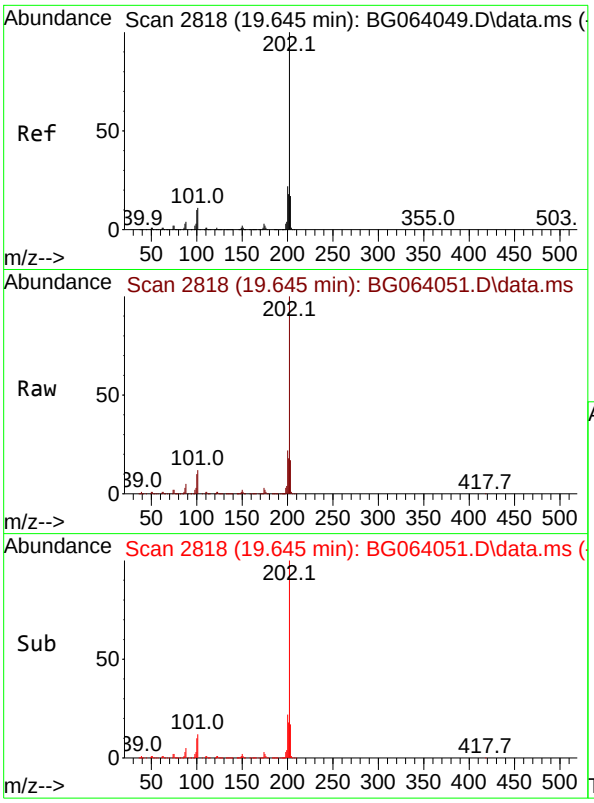


#77
Benzidine
Concen: 63.973 ng
RT: 19.469 min Scan# 2788
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:184 Resp: 240411

Ion	Ratio	Lower	Upper
184	100		
185	15.4	11.3	16.9
183	11.5	9.5	14.3

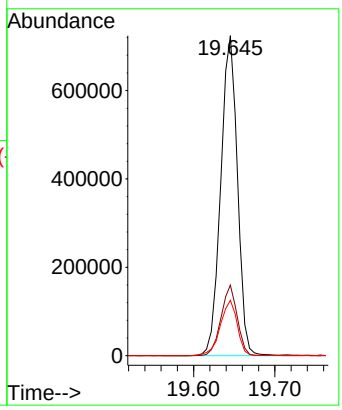




#78
Pyrene
Concen: 60.030 ng
RT: 19.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:202 Resp: 103590

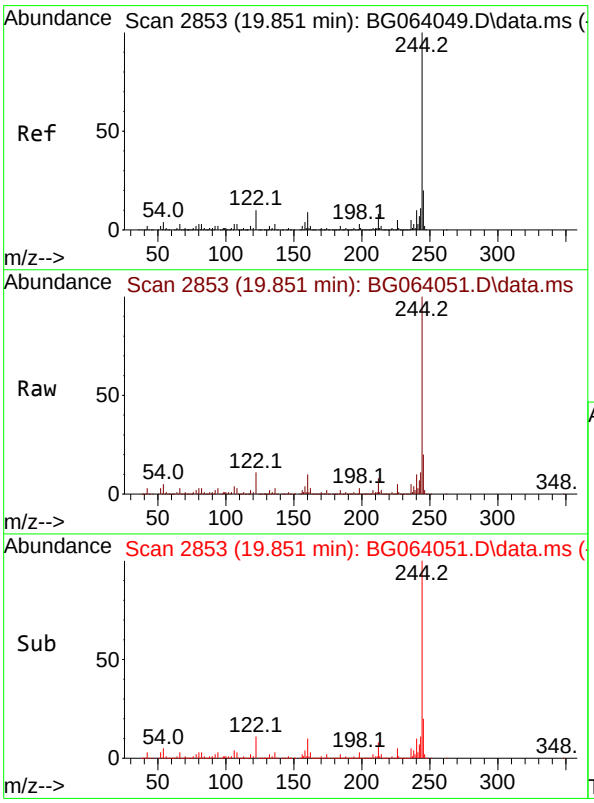
Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.3	25.9
203	17.3	13.6	20.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

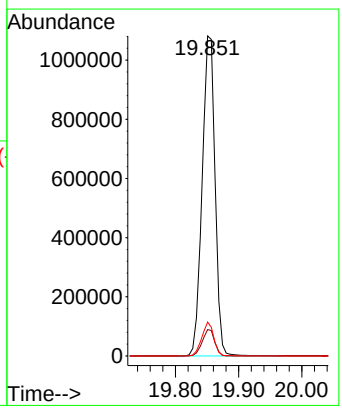
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

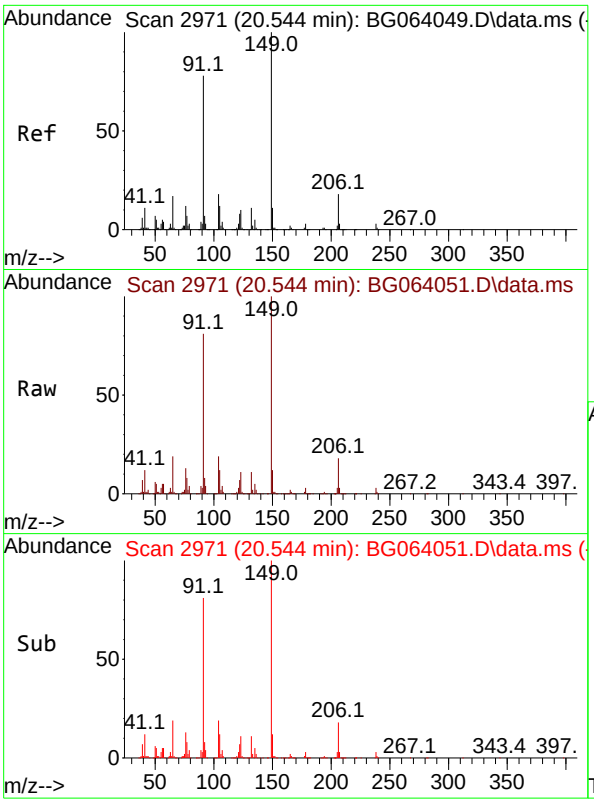


#79
Terphenyl-d14
Concen: 116.081 ng
RT: 19.851 min Scan# 2853
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:244 Resp: 1536841

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.2	9.4
122	10.6	8.0	12.0

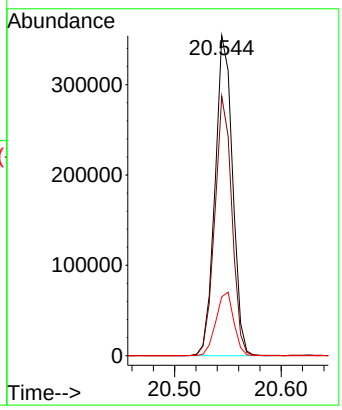




#80
Butylbenzylphthalate
Concen: 61.244 ng
RT: 20.544 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:149 Resp: 40360

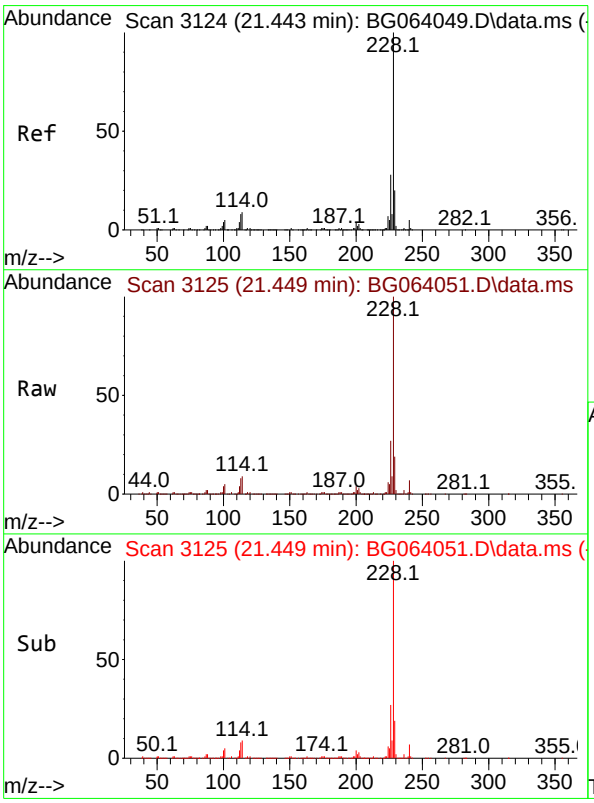
Ion	Ratio	Lower	Upper
149	100		
91	81.1	62.0	93.0
206	18.4	14.6	21.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

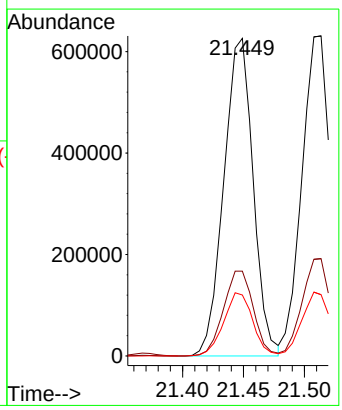
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

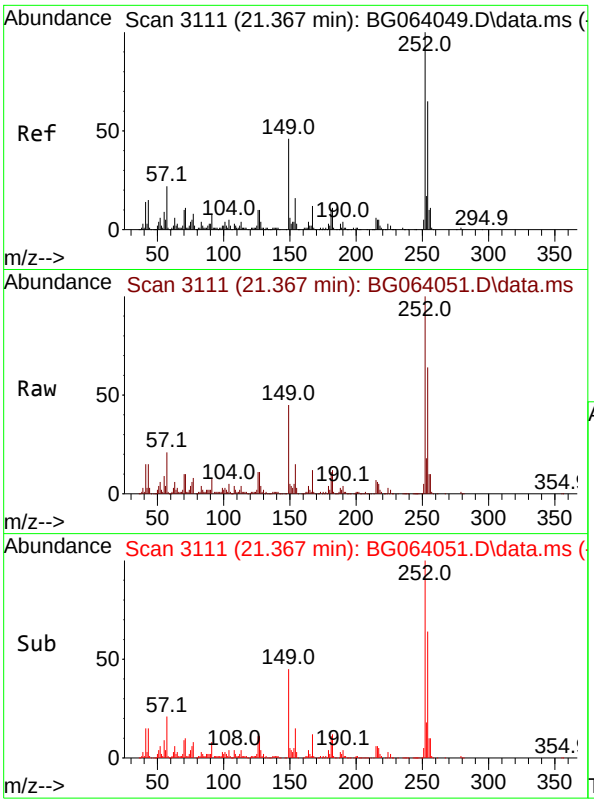


#81
Benzo(a)anthracene
Concen: 61.323 ng
RT: 21.449 min Scan# 3125
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:228 Resp: 1051558

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.2	33.2
229	19.2	16.4	24.6

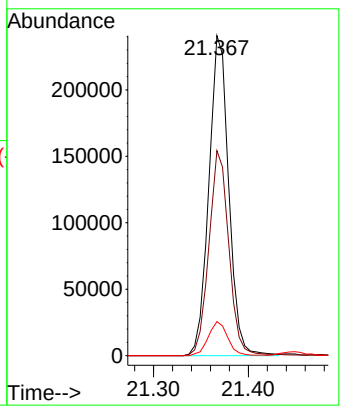




#82
3,3'-Dichlorobenzidine
Concen: 63.055 ng
RT: 21.367 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:252 Resp: 34993

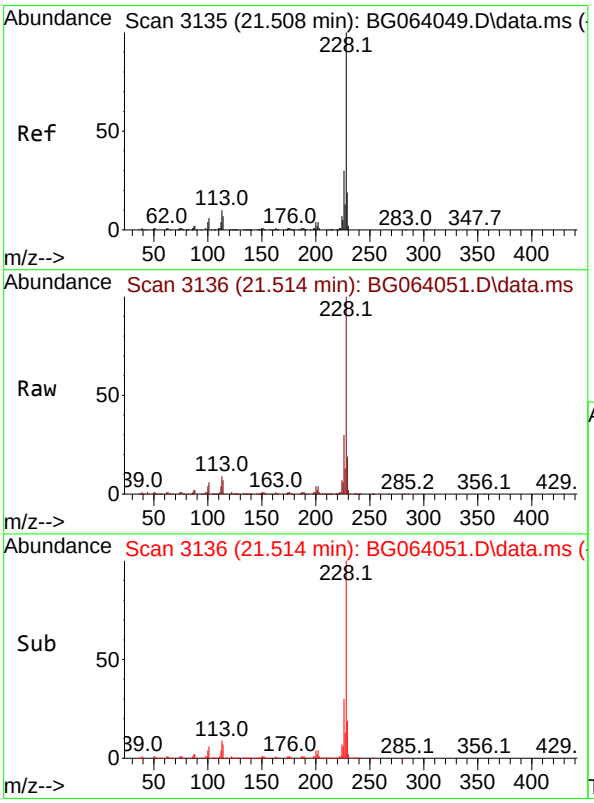
Ion	Ratio	Lower	Upper
252	100		
254	64.1	52.1	78.1
126	10.7	7.8	11.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

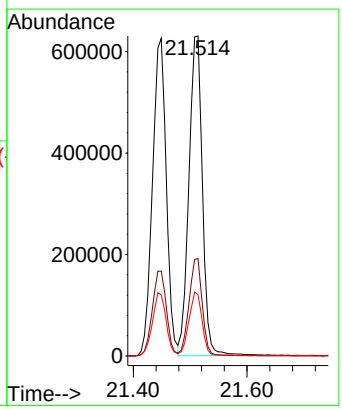
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

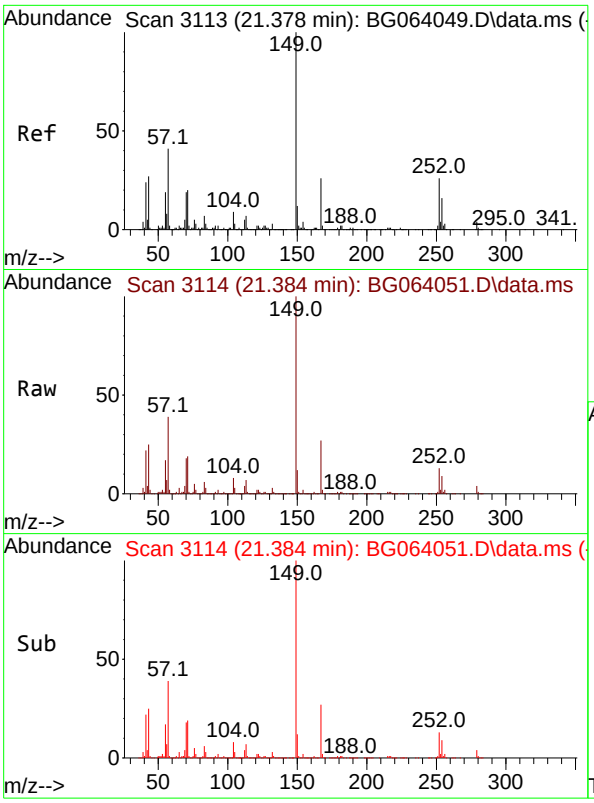


#83
Chrysene
Concen: 61.078 ng
RT: 21.514 min Scan# 3136
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:228 Resp: 1044616

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	19.1	15.3	22.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 68.341 ng
RT: 21.384 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

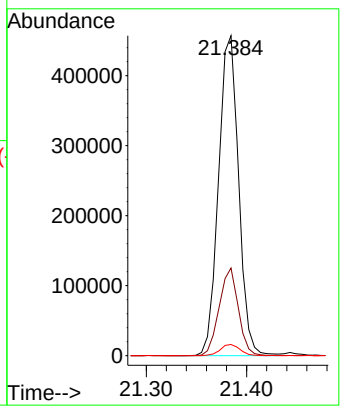
Tgt Ion:149 Resp: 63379

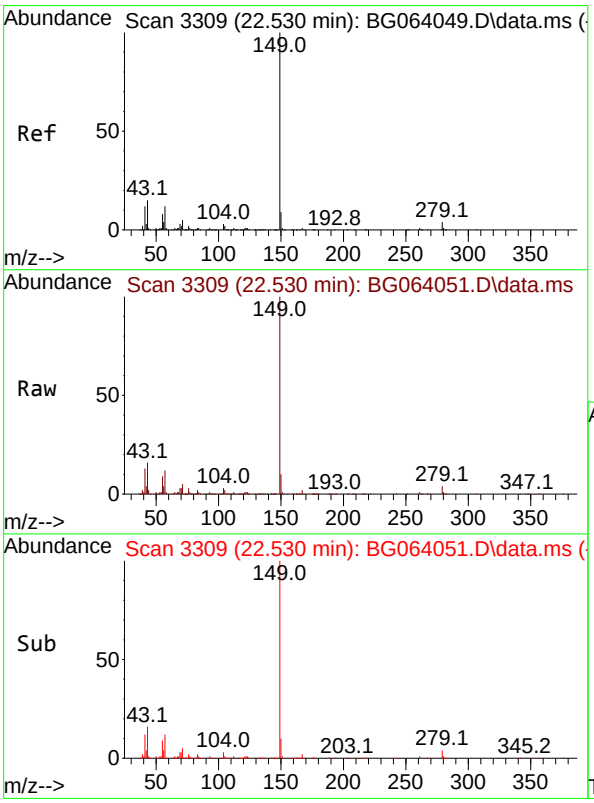
Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.0	31.6
279	3.5	2.8	4.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

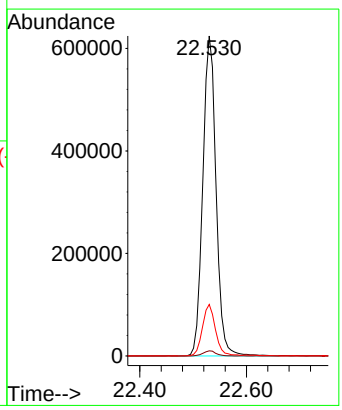


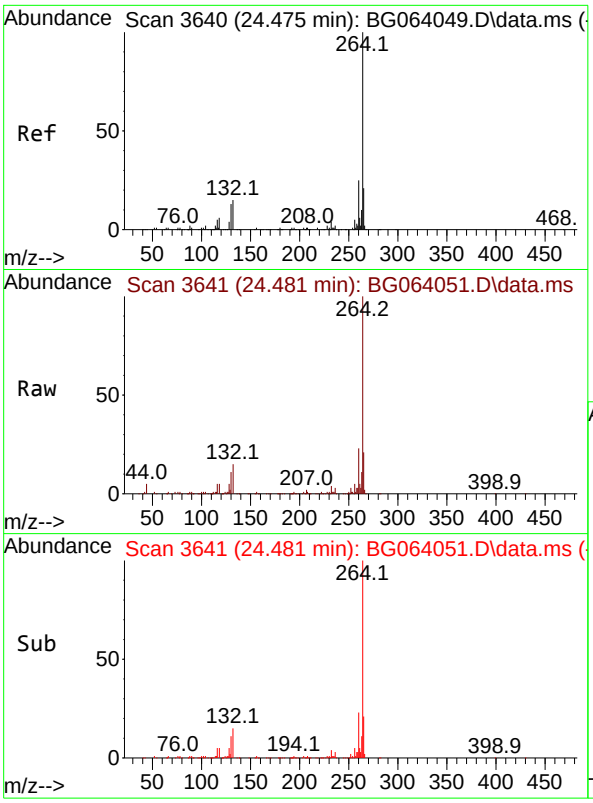


#85
Di-n-octyl phthalate
Concen: 67.209 ng
RT: 22.530 min Scan# 3309
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:149 Resp: 1075085

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	15.9	12.6	19.0

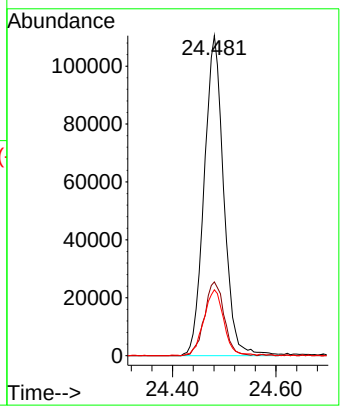




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.481 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:264 Resp: 28923

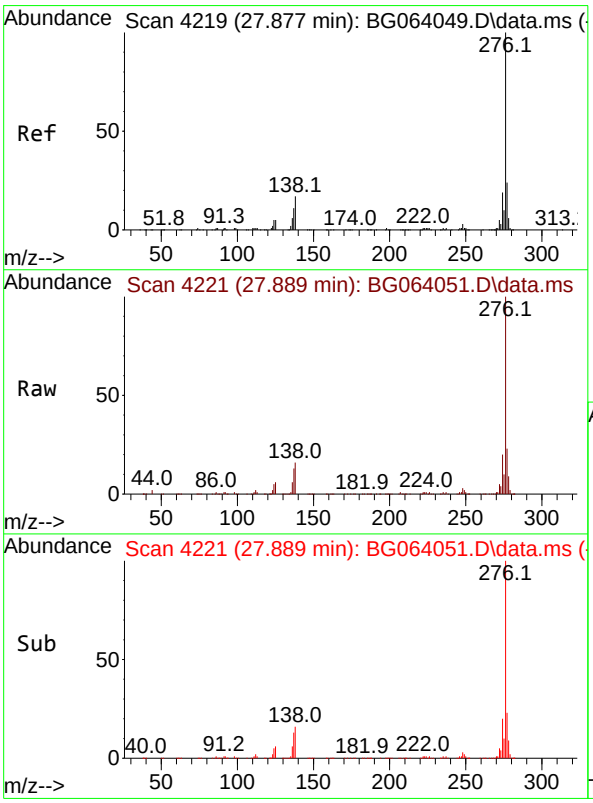
Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.6	29.4
265	20.6	16.6	25.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

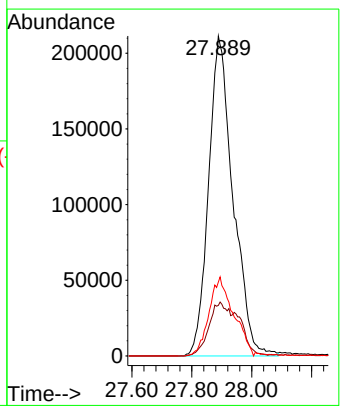
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

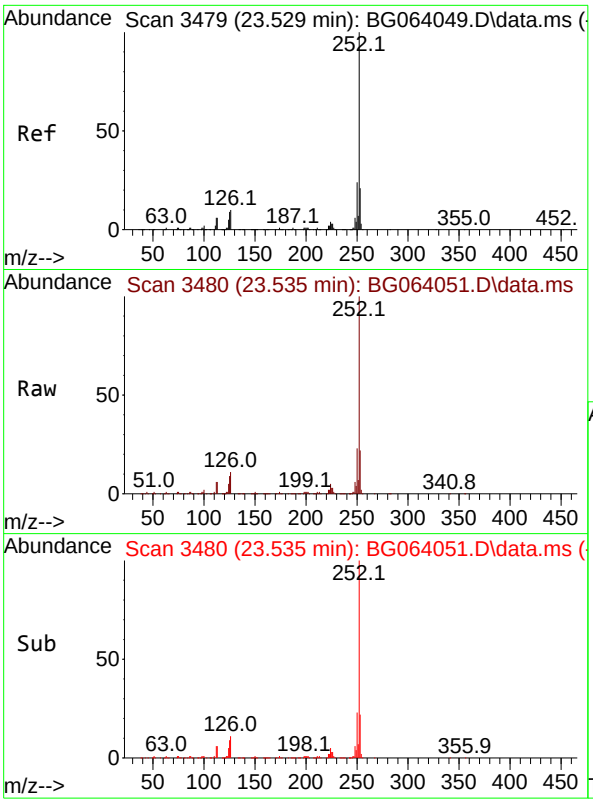


#87
Indeno(1,2,3-cd)pyrene
Concen: 61.921 ng
RT: 27.889 min Scan# 4221
Delta R.T. 0.012 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:276 Resp: 1198276

Ion	Ratio	Lower	Upper
276	100		
138	14.4	12.1	18.1
277	24.8	20.0	30.0





#88
Benzo(b)fluoranthene
Concen: 60.290 ng
RT: 23.535 min Scan# 34
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

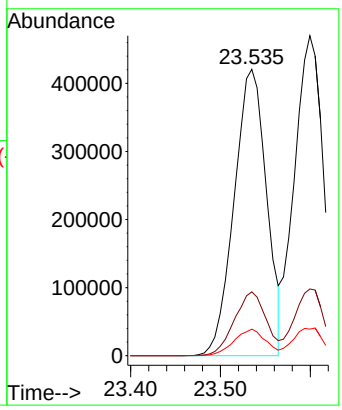
Tgt Ion:252 Resp: 105417

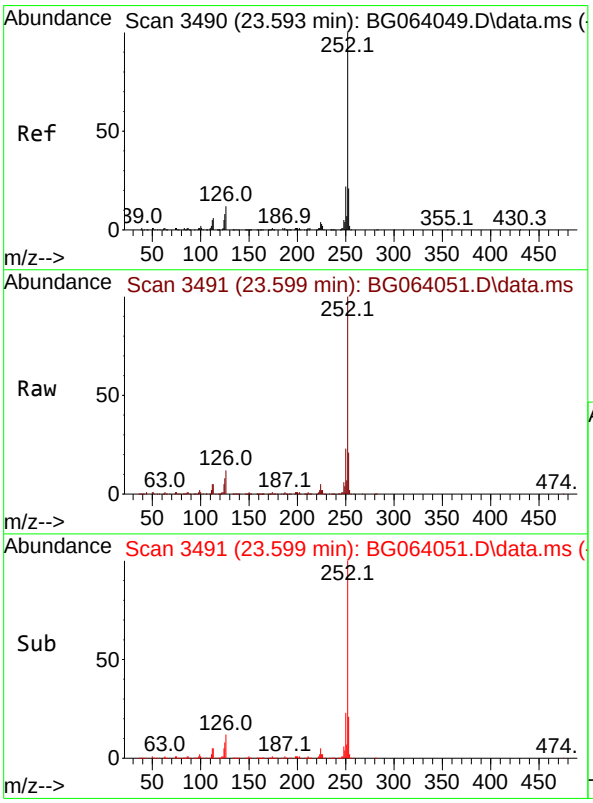
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.4
125	9.3	7.4	11.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

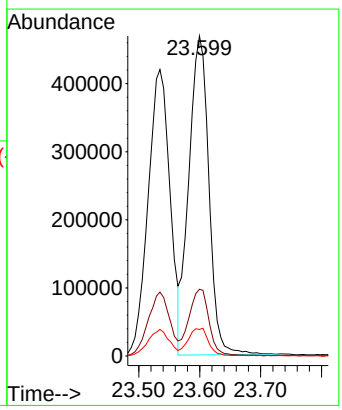


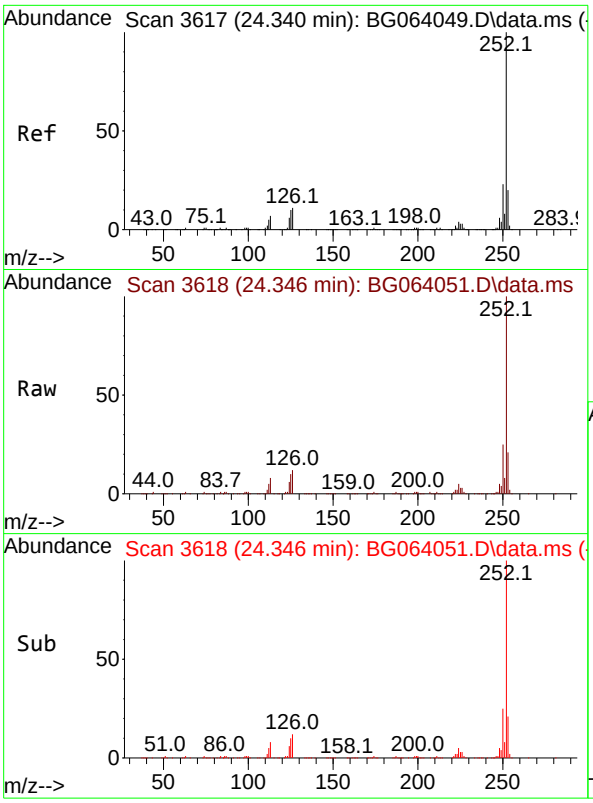


#89
Benzo(k)fluoranthene
Concen: 61.033 ng
RT: 23.599 min Scan# 3491
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:252 Resp: 1070595

Ion	Ratio	Lower	Upper
252	100		
253	20.8	16.8	25.2
125	8.3	6.9	10.3

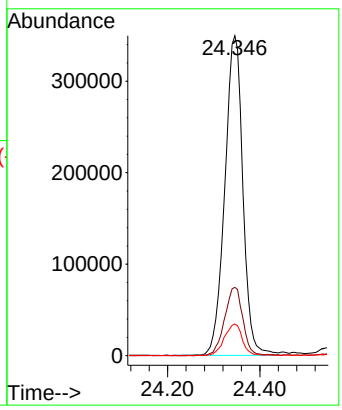




#90
Benzo(a)pyrene
Concen: 60.853 ng
RT: 24.346 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:252 Resp: 94760

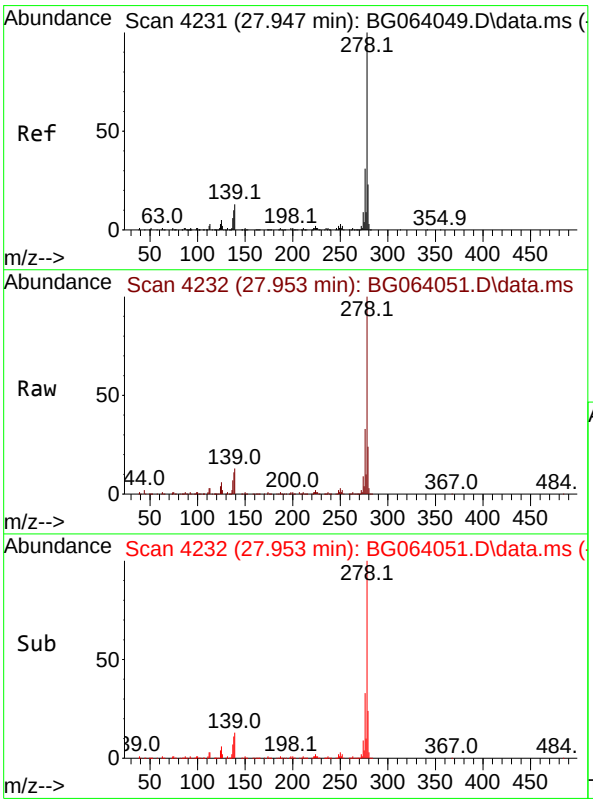
Ion	Ratio	Lower	Upper
252	100		
253	21.4	16.2	24.2
125	9.9	7.8	11.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

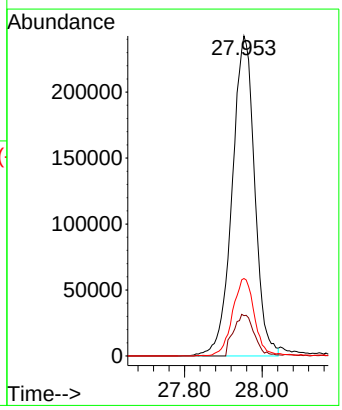
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

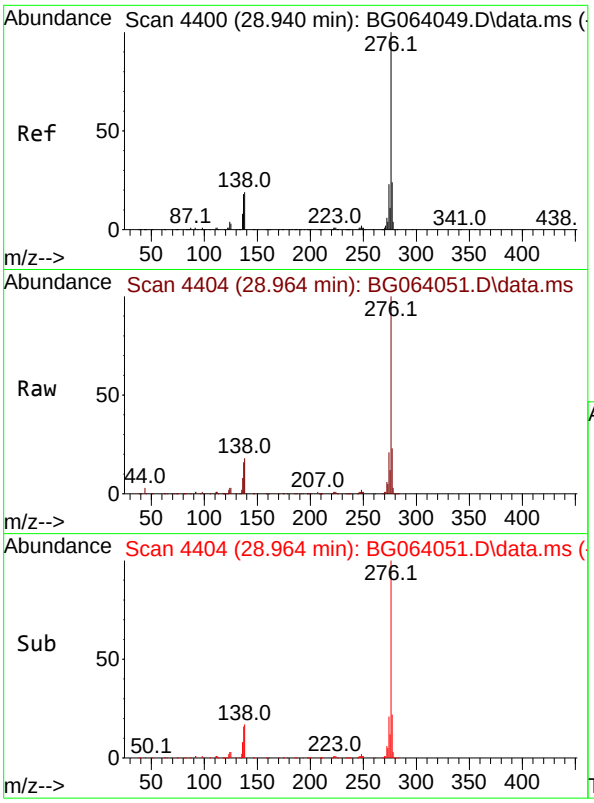


#91
Dibenzo(a,h)anthracene
Concen: 60.728 ng
RT: 27.953 min Scan# 4232
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:278 Resp: 974276

Ion	Ratio	Lower	Upper
278	100		
139	12.6	10.2	15.2
279	24.2	18.1	27.1

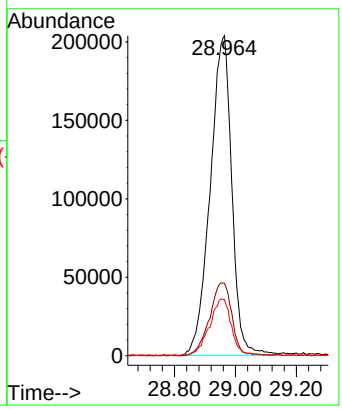




#92
Benzo(g,h,i)perylene
Concen: 60.851 ng
RT: 28.964 min Scan# 4
Delta R.T. 0.024 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:276 Resp: 100233

Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.5	29.3
138	17.6	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064052.D
Acq On : 5 Mar 2025 13:44
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:25:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.865	152	38973	20.000	ng		0.00
21) Naphthalene-d8	10.656	136	174562	20.000	ng		0.00
39) Acenaphthene-d10	14.493	164	119753	20.000	ng		0.00
64) Phenanthrene-d10	17.231	188	261353	20.000	ng		0.00
76) Chrysene-d12	21.467	240	257789	20.000	ng		0.00
86) Perylene-d12	24.481	264	274554	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.456	112	406682	162.936	ng		0.00
7) Phenol-d6	7.037	99	562221	165.580	ng		0.00
23) Nitrobenzene-d5	9.029	82	570757	180.687	ng		0.01
42) 2,4,6-Tribromophenol	15.979	330	230590	173.228	ng		0.00
45) 2-Fluorobiphenyl	13.118	172	1198476	151.908	ng		0.00
79) Terphenyl-d14	19.857	244	1912762	150.030	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.376	88	86434	76.411	ng		97
3) Pyridine	3.770	79	194608	70.740	ng		99
4) n-Nitrosodimethylamine	3.682	42	166554	84.738	ng		98
6) Aniline	7.196	93	260509	78.188	ng		97
8) 2-Chlorophenol	7.436	128	221296	82.552	ng		96
10) Phenol	7.066	94	287854	82.802	ng		97
11) bis(2-Chloroethyl)ether	7.295	93	217240	79.707	ng		99
12) 1,3-Dichlorobenzene	7.760	146	235126	79.873	ng		96
13) 1,4-Dichlorobenzene	7.901	146	238817	79.149	ng		96
14) 1,2-Dichlorobenzene	8.224	146	233348	80.201	ng		97
15) Benzyl Alcohol	8.106	79	227176	86.581	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.400	45	502220	81.950	ng		99
17) 2-Methylphenol	8.306	107	198161	85.886	ng		98
18) Hexachloroethane	8.946	117	90416	85.647	ng		98
19) n-Nitroso-di-n-propyla...	8.682	70	197732	82.978	ng		96
20) 3+4-Methylphenols	8.641	107	269552	84.861	ng		92
22) Acetophenone	8.688	105	379097	79.207	ng		99
24) Nitrobenzene	9.064	77	285702	87.518	ng		99
25) Isophorone	9.593	82	507481	80.266	ng		96
26) 2-Nitrophenol	9.769	139	102389	79.399	ng		96
27) 2,4-Dimethylphenol	9.834	122	159995	84.413	ng		94
28) bis(2-Chloroethoxy)met...	10.074	93	310803	81.082	ng		99
29) 2,4-Dichlorophenol	10.304	162	208425	87.086	ng		98
30) 1,2,4-Trichlorobenzene	10.521	180	231572	80.151	ng		99
31) Naphthalene	10.709	128	752327	79.925	ng		99
32) Benzoic acid	10.022	122	153536m	81.016	ng		
33) 4-Chloroaniline	10.815	127	281930	81.948	ng		100
34) Hexachlorobutadiene	10.997	225	152146	80.341	ng		98
35) Caprolactam	11.608	113	77479	84.477	ng	#	82
36) 4-Chloro-3-methylphenol	11.937	107	262810	83.772	ng		100
37) 2-Methylnaphthalene	12.313	142	524206	78.886	ng		97
38) 1-Methylnaphthalene	12.536	142	511482	78.566	ng		98
40) 1,2,4,5-Tetrachloroben...	12.683	216	271079	79.289	ng		99
41) Hexachlorocyclopentadiene	12.671	237	87700	91.141	ng		95
43) 2,4,6-Trichlorophenol	12.924	196	175233	86.966	ng		97
44) 2,4,5-Trichlorophenol	12.995	196	197831	88.360	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064052.D
Acq On : 5 Mar 2025 13:44
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:25:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.329	154	706656	78.106	ng		98
47) 2-Chloronaphthalene	13.371	162	528541	80.099	ng		98
48) 2-Nitroaniline	13.570	65	195363	79.407	ng		97
49) Acenaphthylene	14.217	152	822307	78.787	ng		99
50) Dimethylphthalate	13.958	163	695598	78.689	ng		100
51) 2,6-Dinitrotoluene	14.070	165	147719	79.965	ng		98
52) Acenaphthene	14.557	154	540444	76.999	ng		97
53) 3-Nitroaniline	14.399	138	154723	90.561	ng		95
54) 2,4-Dinitrophenol	14.599	184	61808	82.400	ng	#	81
55) Dibenzofuran	14.892	168	874479	77.066	ng		99
56) 4-Nitrophenol	14.698	139	126982	88.621	ng		95
57) 2,4-Dinitrotoluene	14.857	165	203301	79.564	ng	#	97
58) Fluorene	15.539	166	668072	75.593	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.116	232	188307	86.273	ng	#	95
60) Diethylphthalate	15.321	149	758650	79.055	ng		99
61) 4-Chlorophenyl-phenyle...	15.539	204	326141	74.261	ng		91
62) 4-Nitroaniline	15.562	138	159478	86.459	ng		91
63) Azobenzene	15.832	77	787412	76.893	ng		99
65) 4,6-Dinitro-2-methylph...	15.615	198	100338	81.905	ng		96
66) n-Nitrosodiphenylamine	15.750	169	590976	79.884	ng		97
67) 4-Bromophenyl-phenylether	16.432	248	222258	83.033	ng		96
68) Hexachlorobenzene	16.543	284	240907	80.390	ng		98
70) Pentachlorophenol	16.884	266	170842	91.819	ng		98
71) Phenanthrene	17.278	178	1094187	78.492	ng		99
72) Anthracene	17.366	178	1099164	79.297	ng		97
73) Carbazole	17.636	167	999549	77.234	ng		99
74) Di-n-butylphthalate	18.206	149	1263186	82.920	ng		99
75) Fluoranthene	19.287	202	1276040	75.929	ng		99
77) Benzidine	19.463	184	279417	77.211	ng		99
78) Pyrene	19.646	202	1321748	79.539	ng		99
80) Butylbenzylphthalate	20.550	149	517770	80.379	ng		99
81) Benzo(a)anthracene	21.449	228	1325828	80.289	ng		98
82) 3,3'-Dichlorobenzidine	21.367	252	423636	79.269	ng		100
83) Chrysene	21.514	228	1291089	78.391	ng		99
84) Bis(2-ethylhexyl)phtha...	21.385	149	806194	90.273	ng		99
85) Di-n-octyl phthalate	22.530	149	1379517	89.556	ng		99
87) Indeno(1,2,3-cd)pyrene	27.895	276	1530546	83.318	ng		99
88) Benzo(b)fluoranthene	23.541	252	1356996	81.758	ng		98
89) Benzo(k)fluoranthene	23.606	252	1334083	80.120	ng		99
90) Benzo(a)pyrene	24.346	252	1200152	81.191	ng		97
91) Dibenzo(a,h)anthracene	27.959	278	1273882	83.647	ng		98
92) Benzo(g,h,i)perylene	28.970	276	1282909	82.048	ng		98

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

ICAL Form

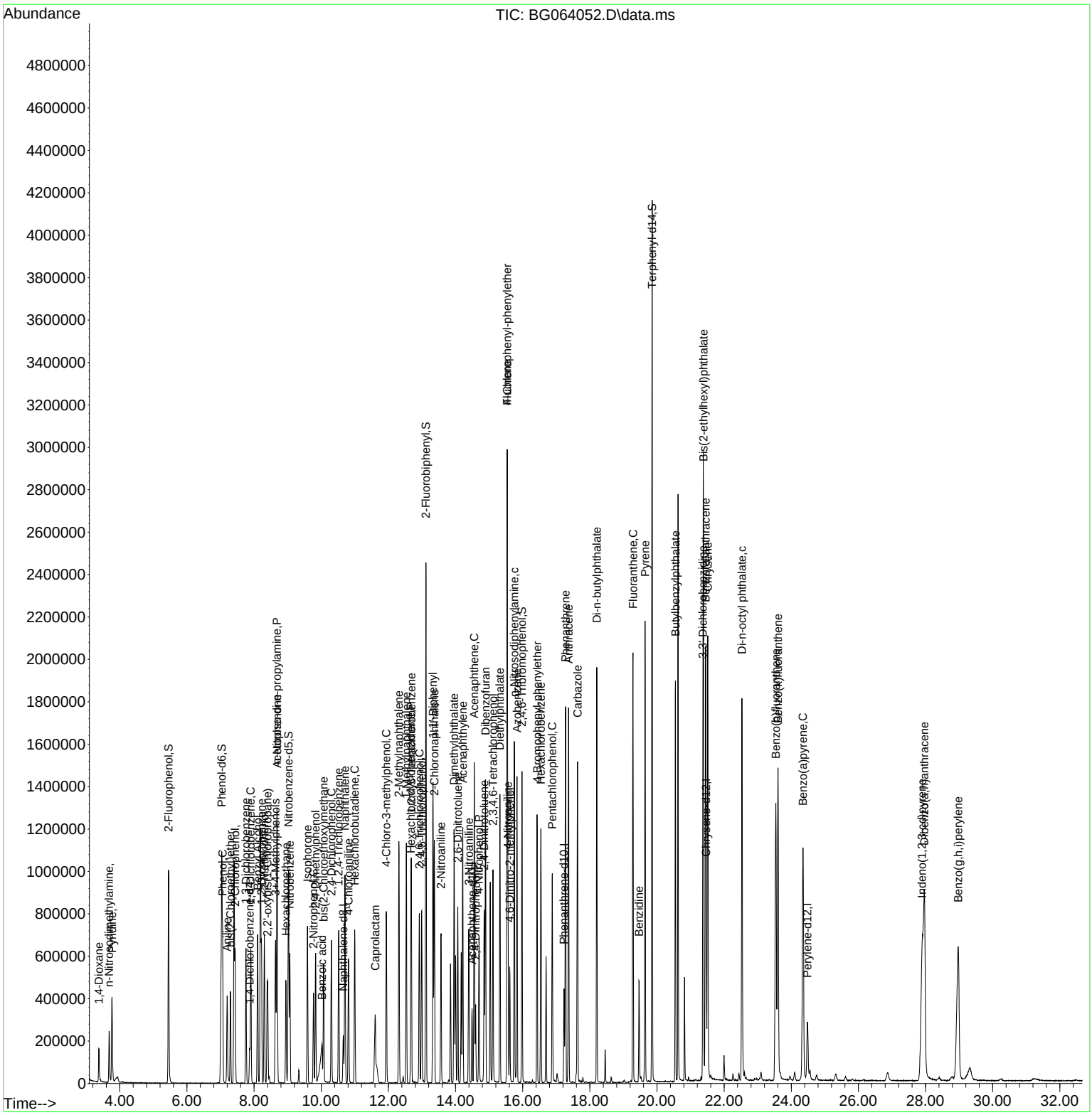
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Data File : BG064052.D
Acq On : 5 Mar 2025 13:44
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

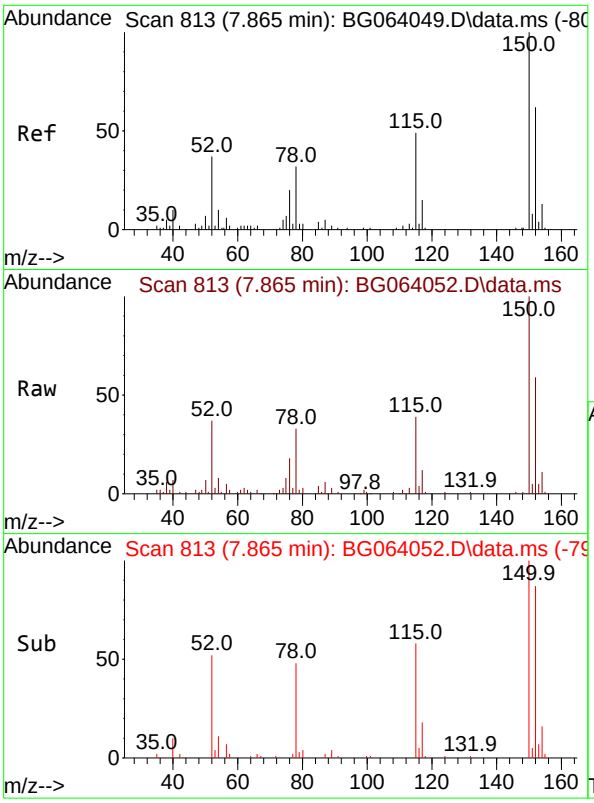
Quant Time: Mar 05 15:25:59 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

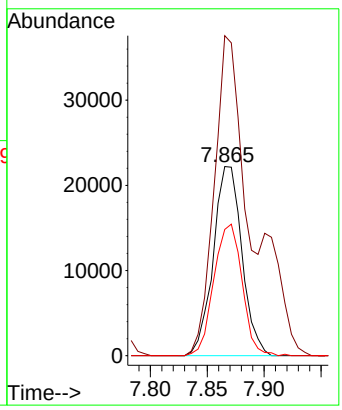




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:152 Resp: 3897

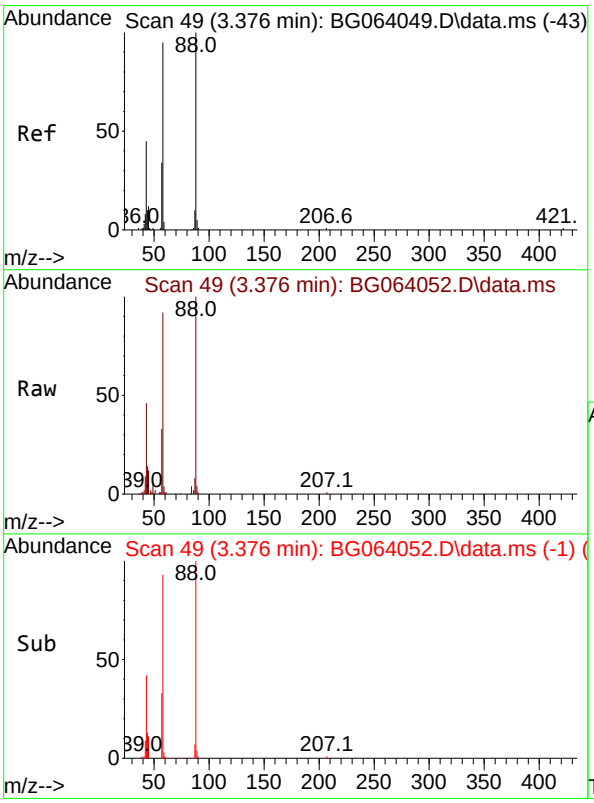
Ion	Ratio	Lower	Upper
152	100		
150	169.1	129.2	193.8
115	66.7	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

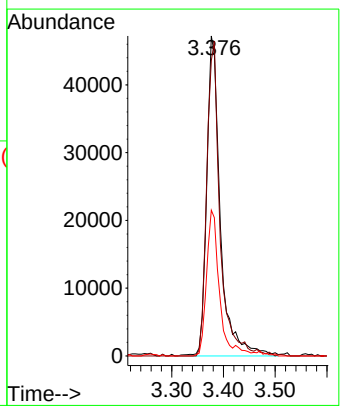
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

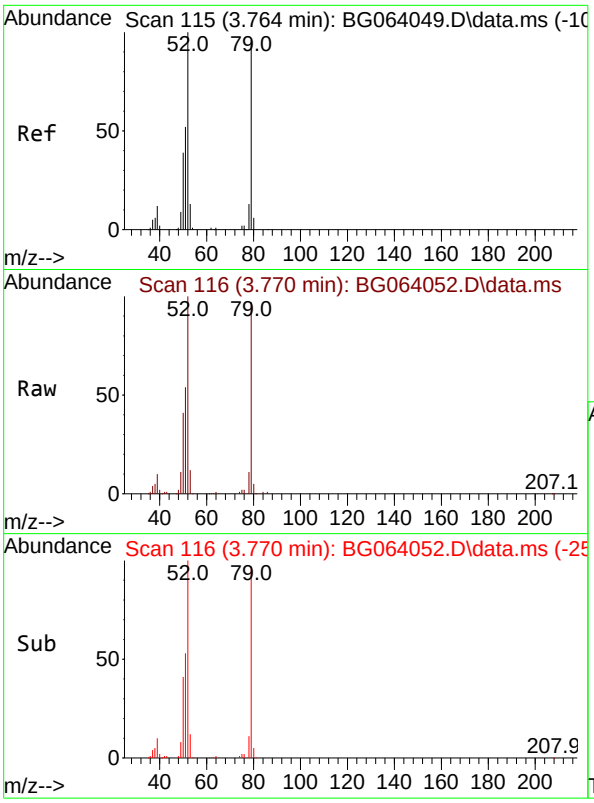


#2
1,4-Dioxane
Concen: 76.411 ng
RT: 3.376 min Scan# 49
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 88 Resp: 86434

Ion	Ratio	Lower	Upper
88	100		
58	95.8	74.6	111.8
43	43.0	35.5	53.3

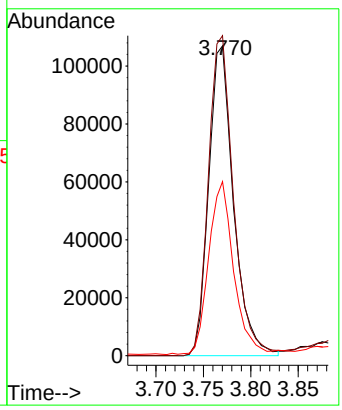




#3
Pyridine
Concen: 70.740 ng
RT: 3.770 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 79 Resp: 19460

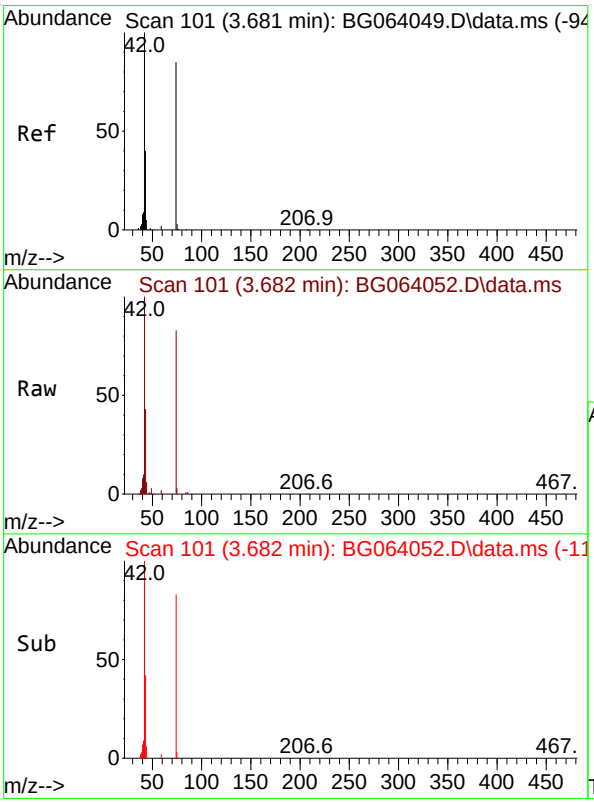
Ion	Ratio	Lower	Upper
79	100		
52	103.3	83.0	124.6
51	56.2	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

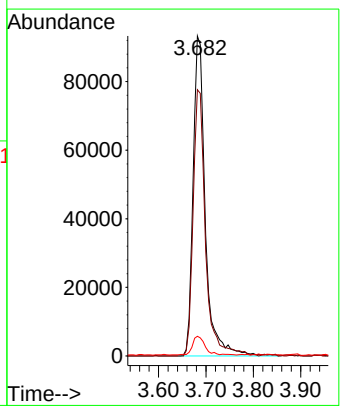
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

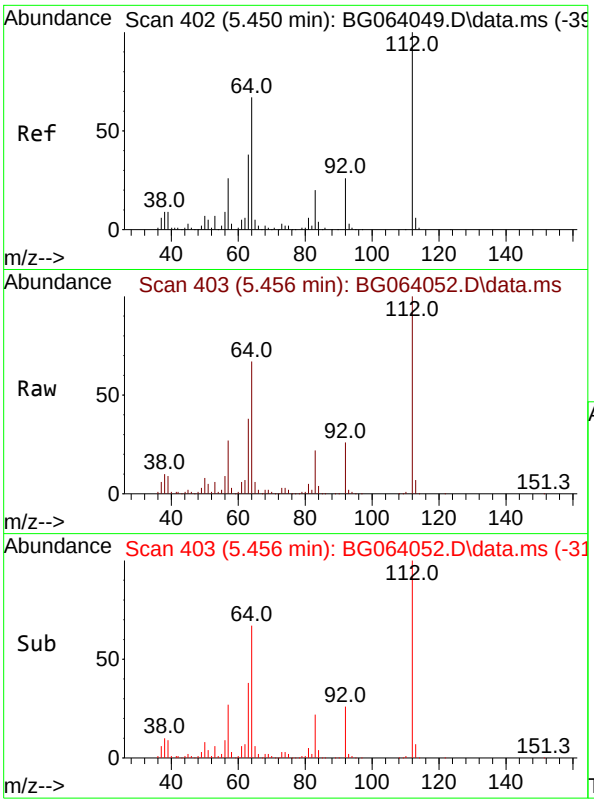


#4
n-Nitrosodimethylamine
Concen: 84.738 ng
RT: 3.682 min Scan# 101
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 42 Resp: 166554

Ion	Ratio	Lower	Upper
42	100		
74	83.2	68.0	102.0
44	6.2	4.9	7.3





#5
2-Fluorophenol
Concen: 162.936 ng
RT: 5.456 min Scan# 4
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

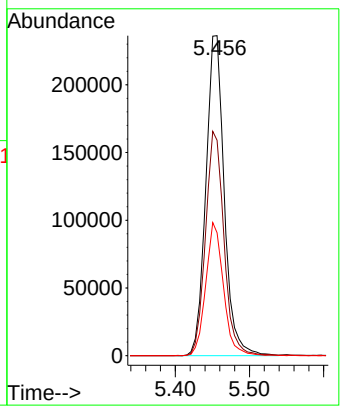
Tgt Ion:112 Resp: 40668

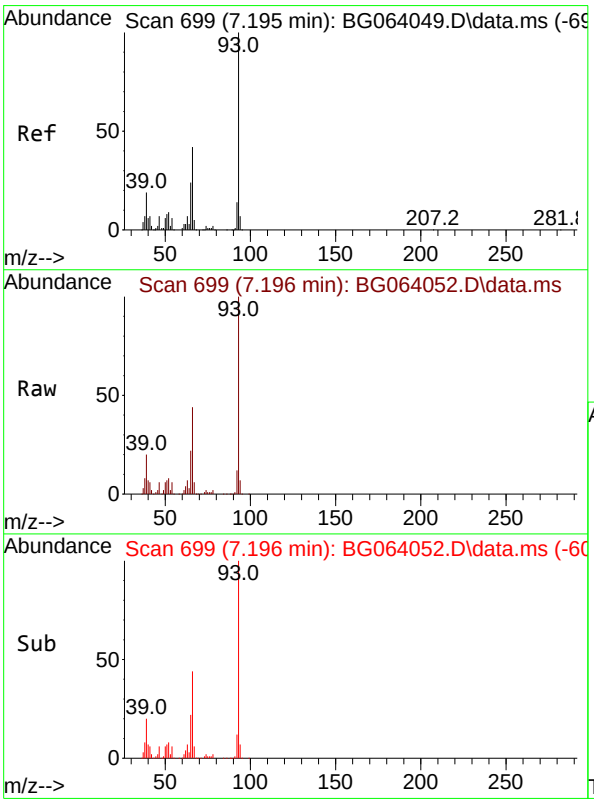
Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.7	80.5
63	38.4	30.2	45.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

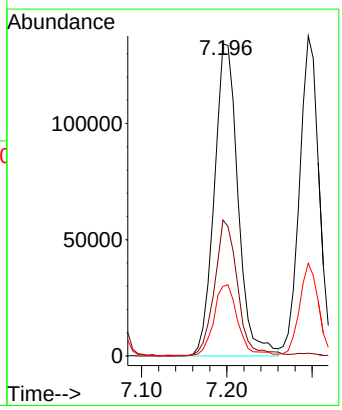


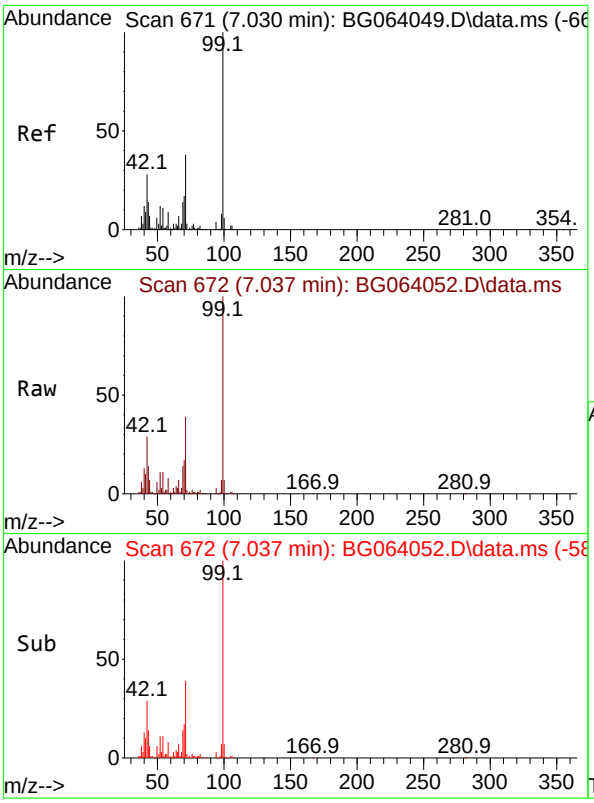


#6
Aniline
Concen: 78.188 ng
RT: 7.196 min Scan# 699
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 93 Resp: 260509

Ion	Ratio	Lower	Upper
93	100		
66	43.6	33.7	50.5
65	22.3	19.1	28.7

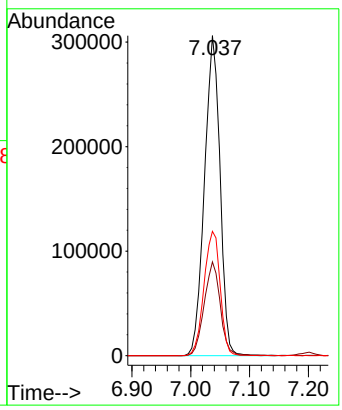




#7
Phenol-d6
Concen: 165.580 ng
RT: 7.037 min Scan# 6
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 99 Resp: 56222

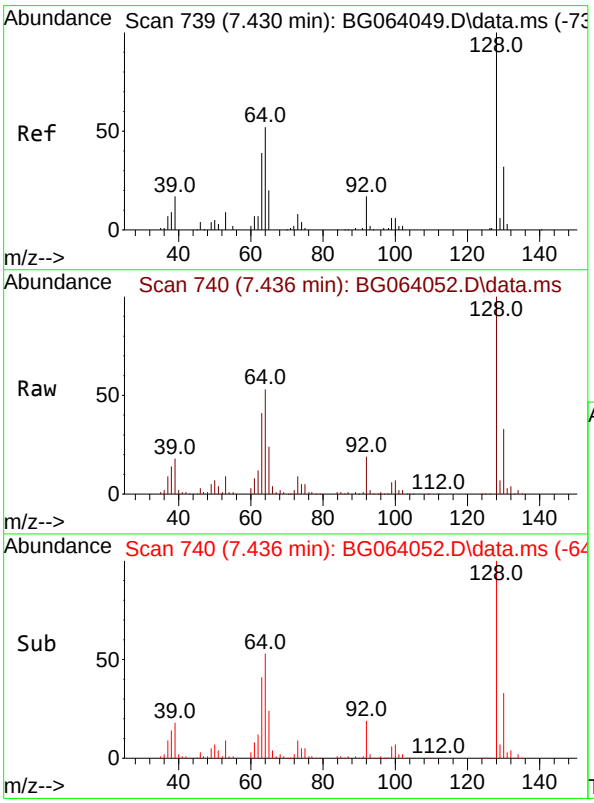
Ion	Ratio	Lower	Upper
99	100		
42	29.3	22.7	34.1
71	38.9	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

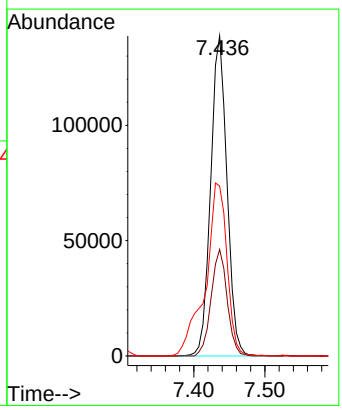
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

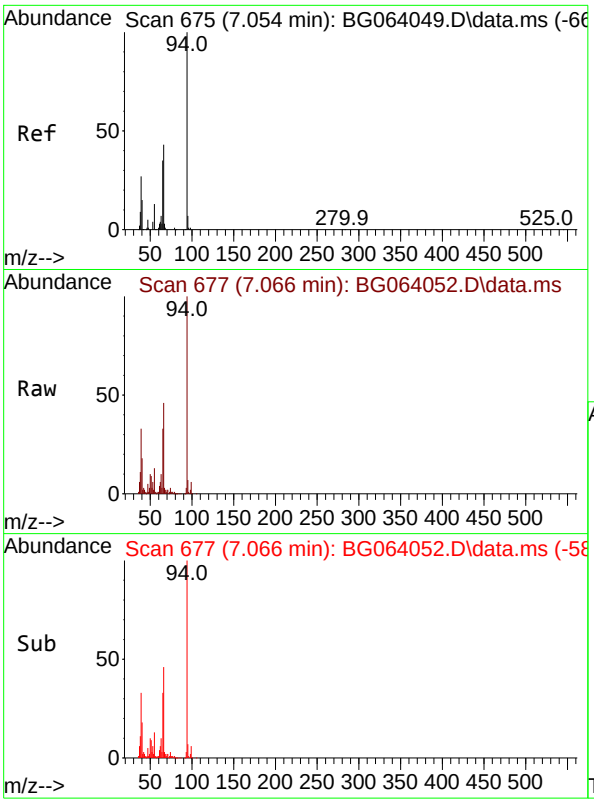


#8
2-Chlorophenol
Concen: 82.552 ng
RT: 7.436 min Scan# 740
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:128 Resp: 221296

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.3	52.3
64	53.1	37.0	77.0

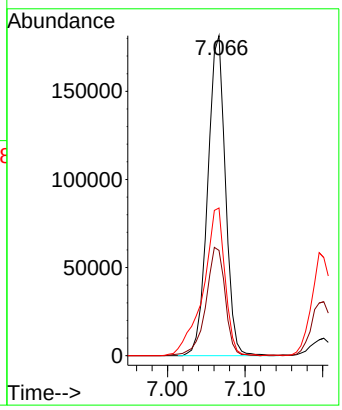




#10
Phenol
Concen: 82.802 ng
RT: 7.066 min Scan# 6
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 94 Resp: 28785

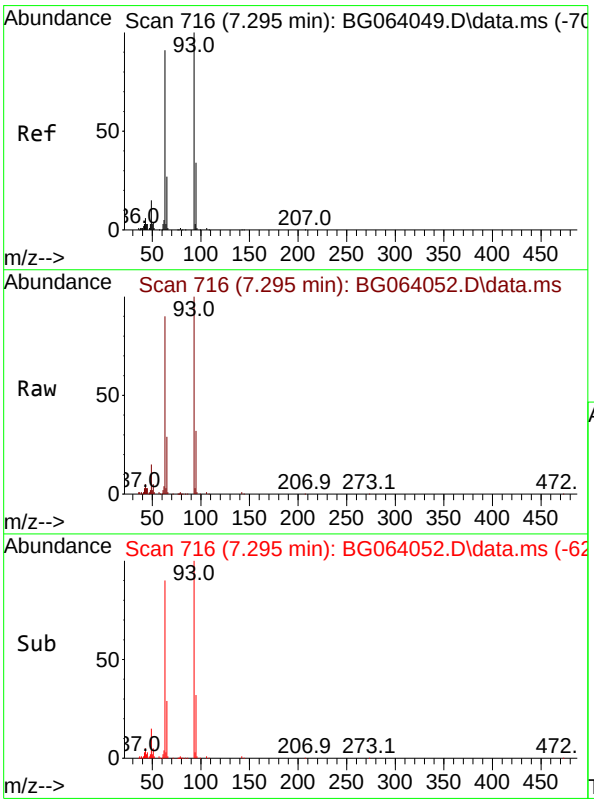
Ion	Ratio	Lower	Upper
94	100		
65	32.9	15.2	55.2
66	46.1	25.1	65.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

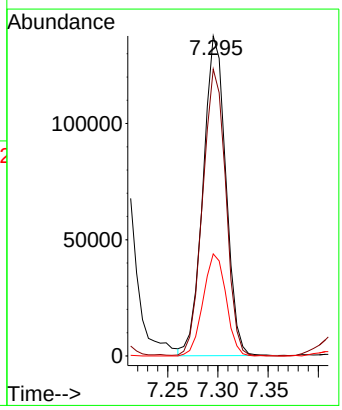
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

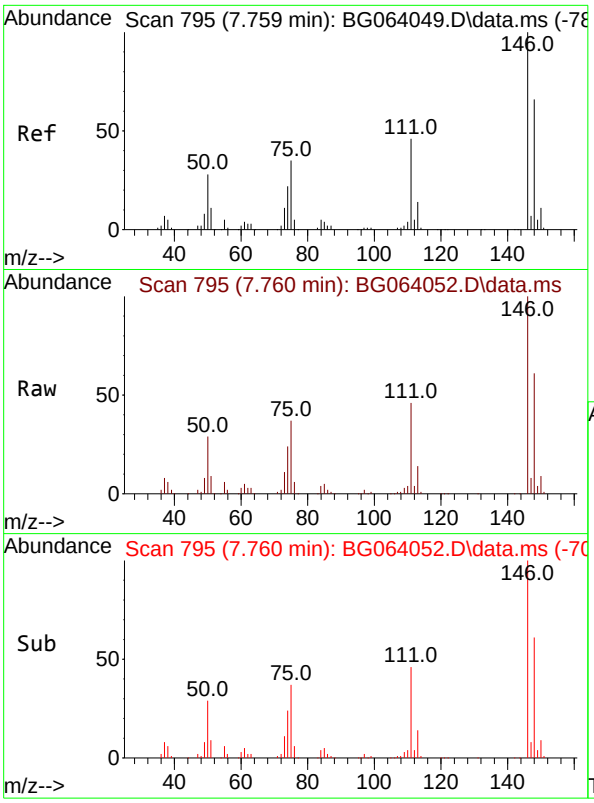


#11
bis(2-Chloroethyl)ether
Concen: 79.707 ng
RT: 7.295 min Scan# 716
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 93 Resp: 217240

Ion	Ratio	Lower	Upper
93	100		
63	89.6	70.0	110.0
95	31.9	13.7	53.7

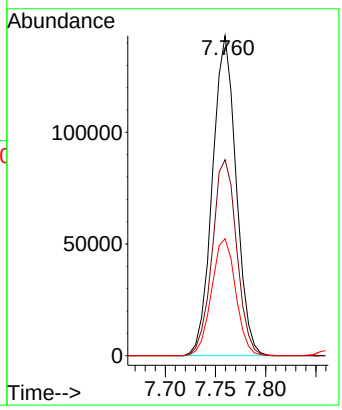




#12
1,3-Dichlorobenzene
Concen: 79.873 ng
RT: 7.760 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:146 Resp: 23512

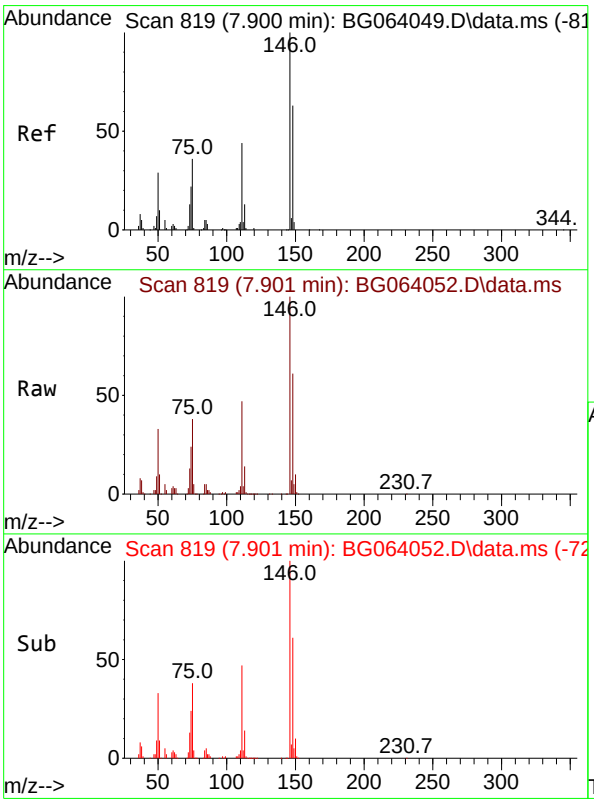
Ion	Ratio	Lower	Upper
146	100		
148	61.3	52.6	78.8
75	36.5	28.1	42.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

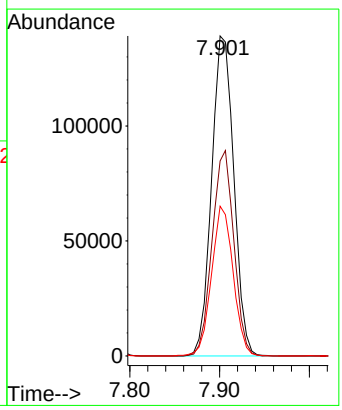
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

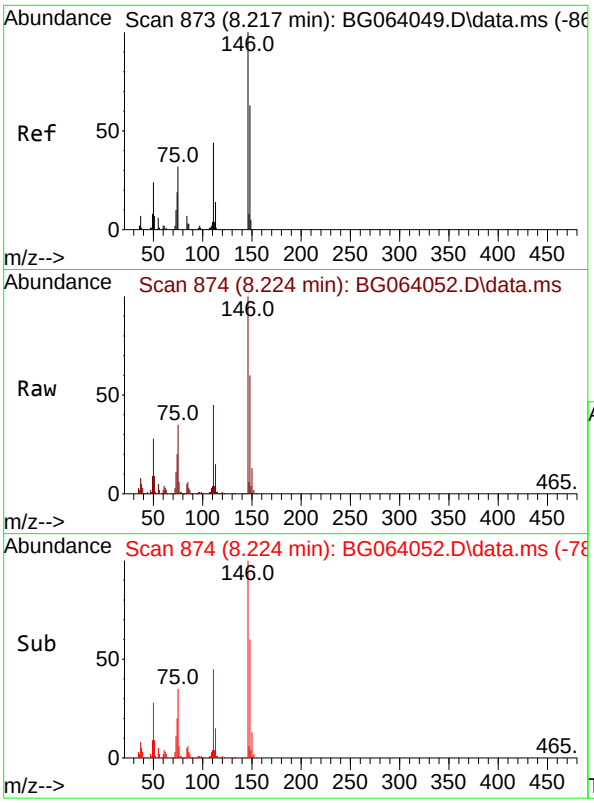


#13
1,4-Dichlorobenzene
Concen: 79.149 ng
RT: 7.901 min Scan# 819
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:146 Resp: 238817

Ion	Ratio	Lower	Upper
146	100		
148	60.9	50.6	75.8
111	46.8	35.1	52.7

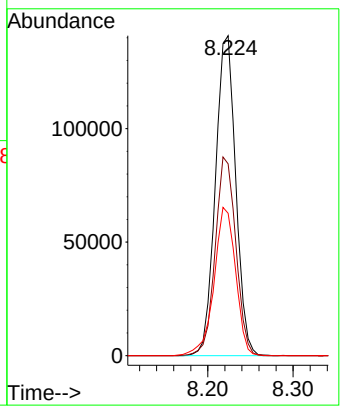




#14
1,2-Dichlorobenzene
Concen: 80.201 ng
RT: 8.224 min Scan# 8
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:146 Resp: 23334

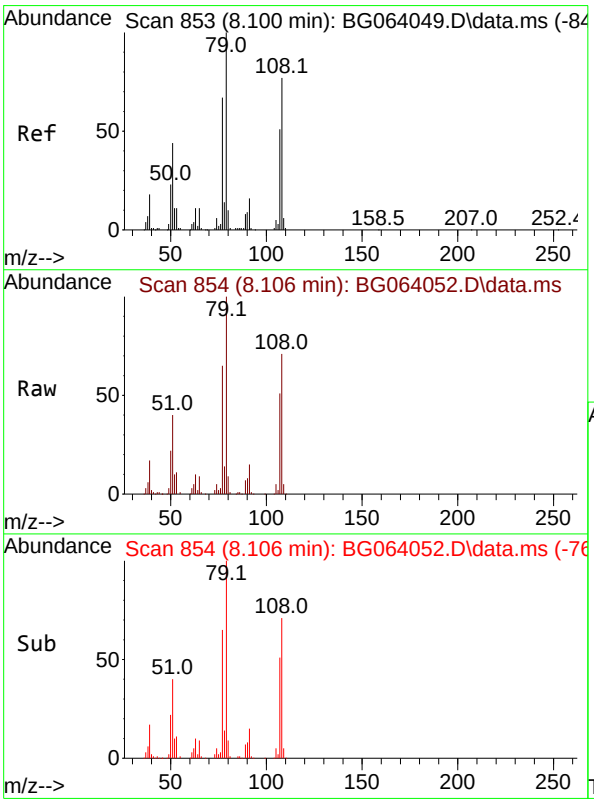
Ion	Ratio	Lower	Upper
146	100		
148	60.0	50.2	75.2
111	44.5	36.4	54.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

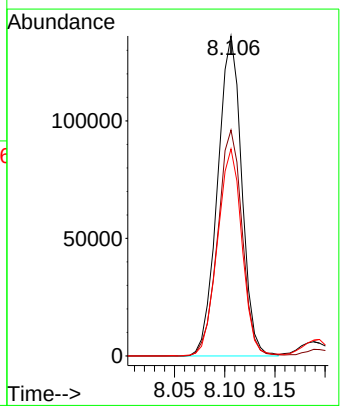
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

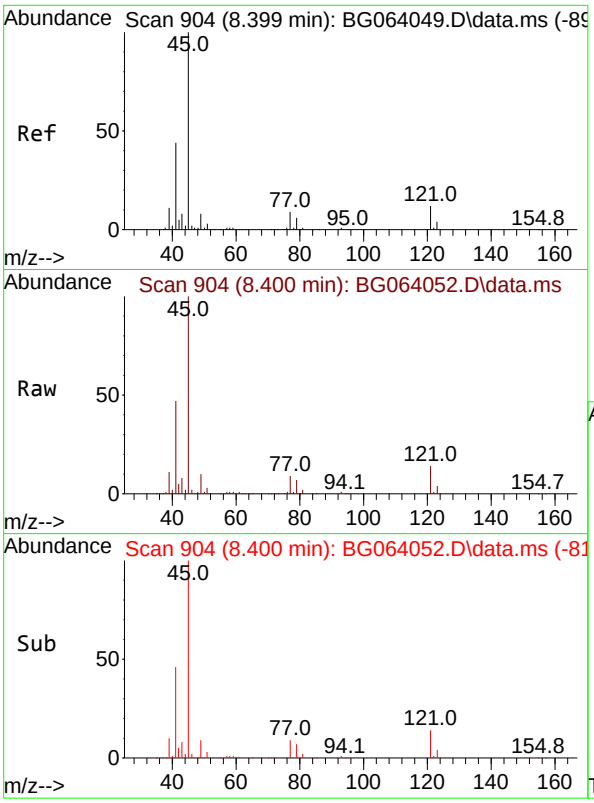


#15
Benzyl Alcohol
Concen: 86.581 ng
RT: 8.106 min Scan# 854
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 79 Resp: 227176

Ion	Ratio	Lower	Upper
79	100		
108	70.6	61.7	92.5
77	64.7	53.9	80.9





#16
2,2'-oxybis(1-Chloropropane)
Concen: 81.950 ng
RT: 8.400 min Scan# 9(
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

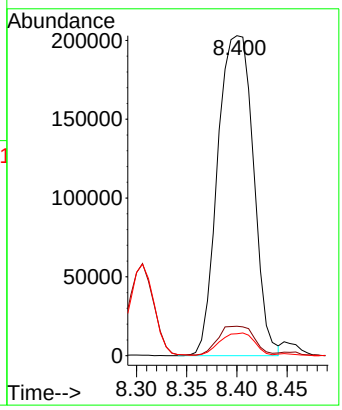
Tgt Ion: 45 Resp: 50222(

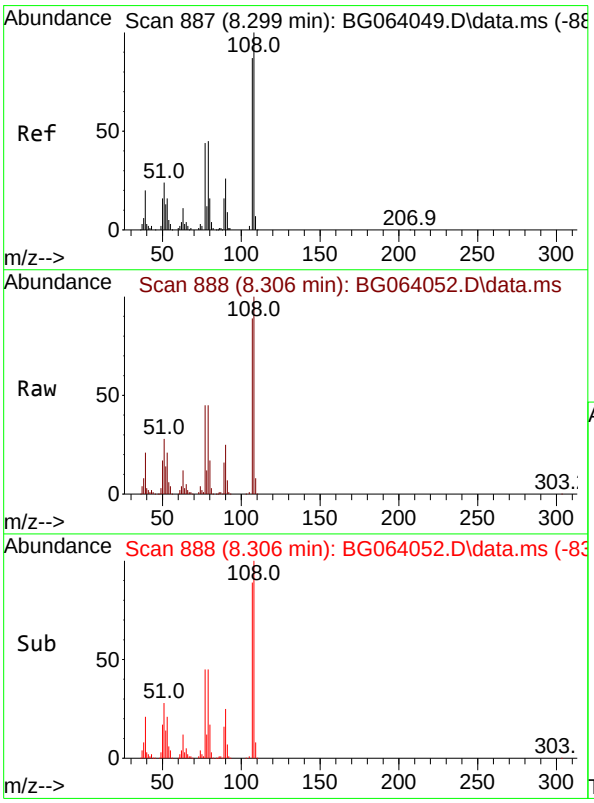
Ion	Ratio	Lower	Upper
45	100		
77	9.2	0.0	29.0
79	6.9	0.0	26.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

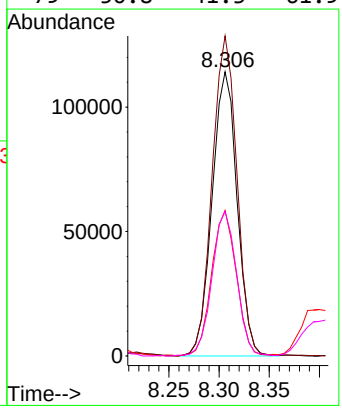


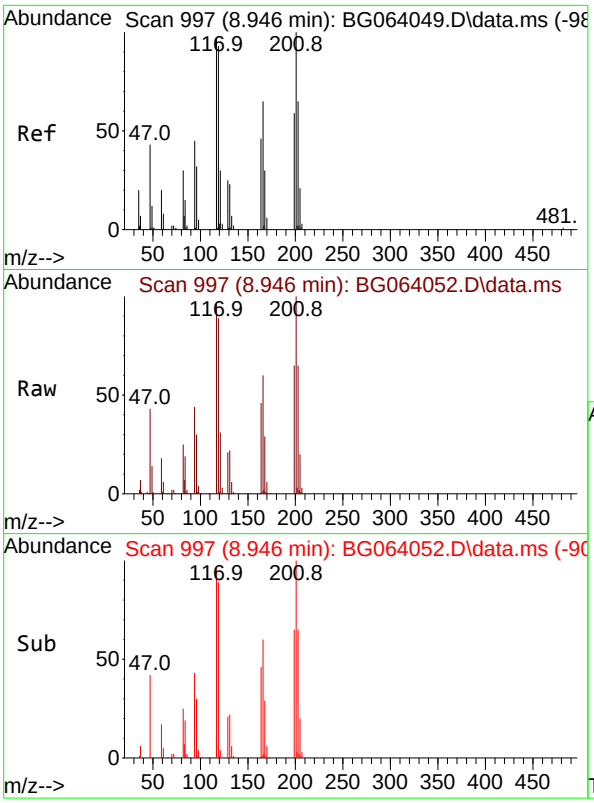


#17
2-Methylphenol
Concen: 85.886 ng
RT: 8.306 min Scan# 888
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:107 Resp: 198161

Ion	Ratio	Lower	Upper
107	100		
108	112.6	92.5	138.7
77	51.2	40.5	60.7
79	50.8	41.3	61.9

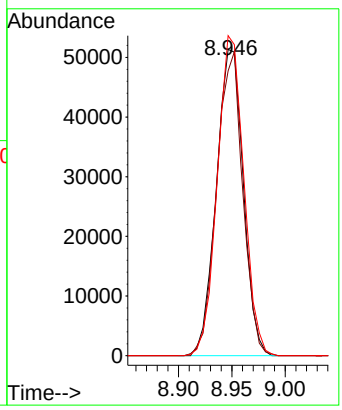




#18
Hexachloroethane
Concen: 85.647 ng
RT: 8.946 min Scan# 9
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:117 Resp: 9041

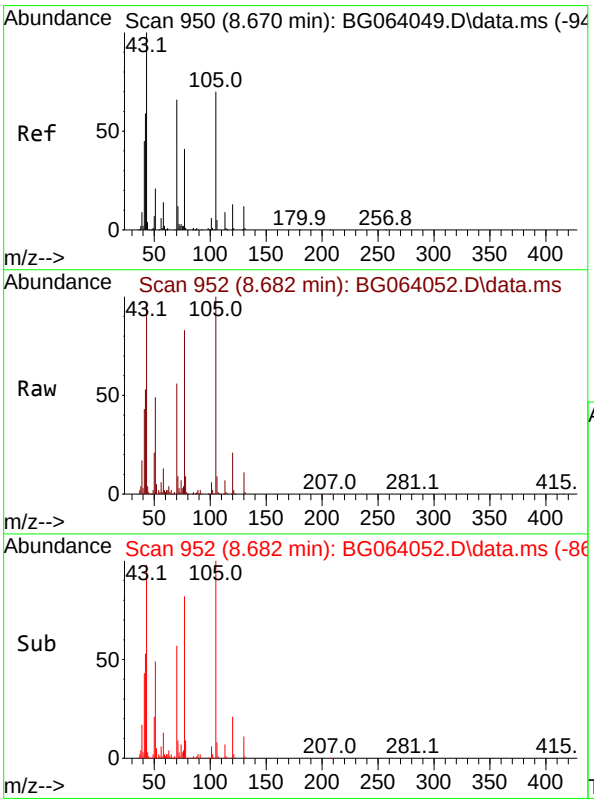
Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.2	114.2
201	104.5	81.5	122.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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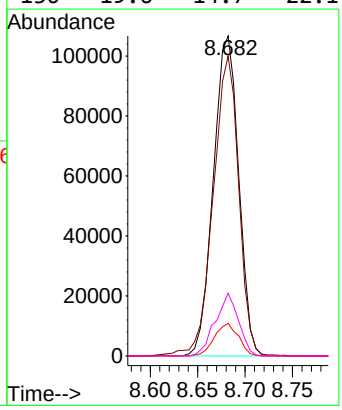
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

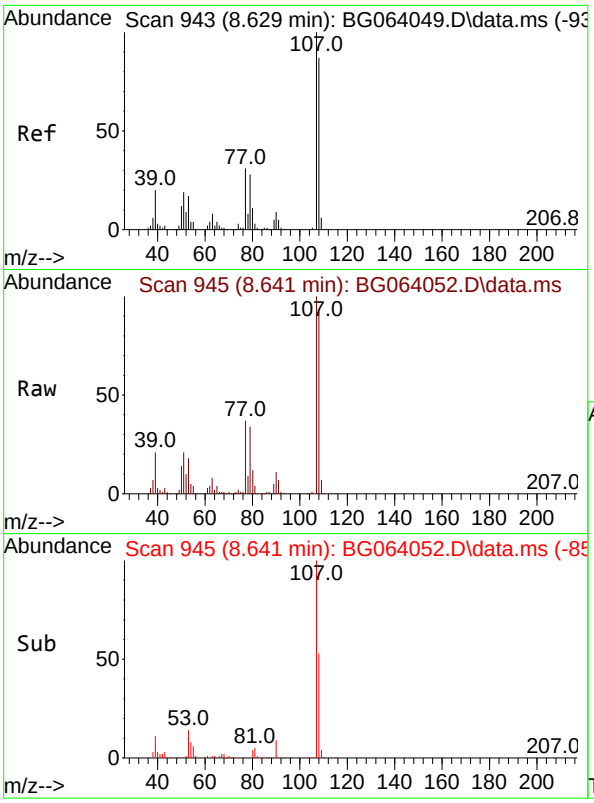


#19
n-Nitroso-di-n-propylamine
Concen: 82.978 ng
RT: 8.682 min Scan# 952
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 70 Resp: 197732

Ion	Ratio	Lower	Upper
70	100		
42	93.7	72.1	108.1
101	10.2	7.2	10.8
130	19.6	14.7	22.1

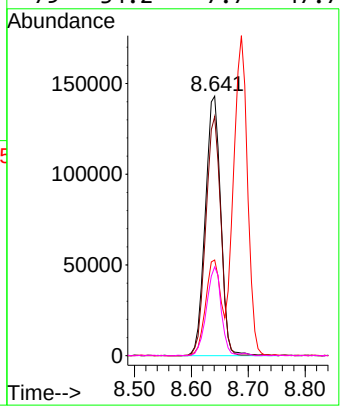




#20
3+4-Methylphenols
Concen: 84.861 ng
RT: 8.641 min Scan# 94
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:107 Resp: 26955

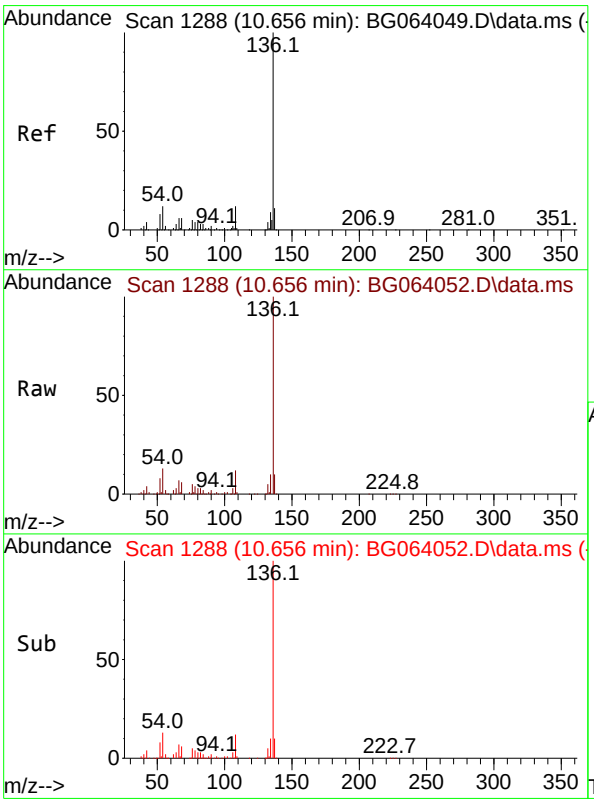
Ion	Ratio	Lower	Upper
107	100		
108	92.1	67.0	107.0
77	36.9	11.2	51.2
79	34.2	7.7	47.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

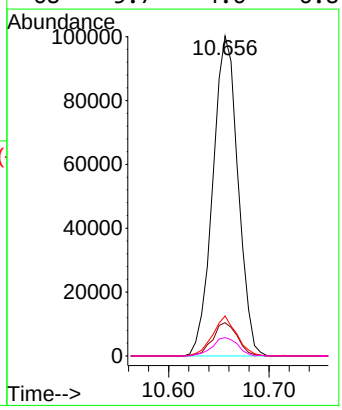
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

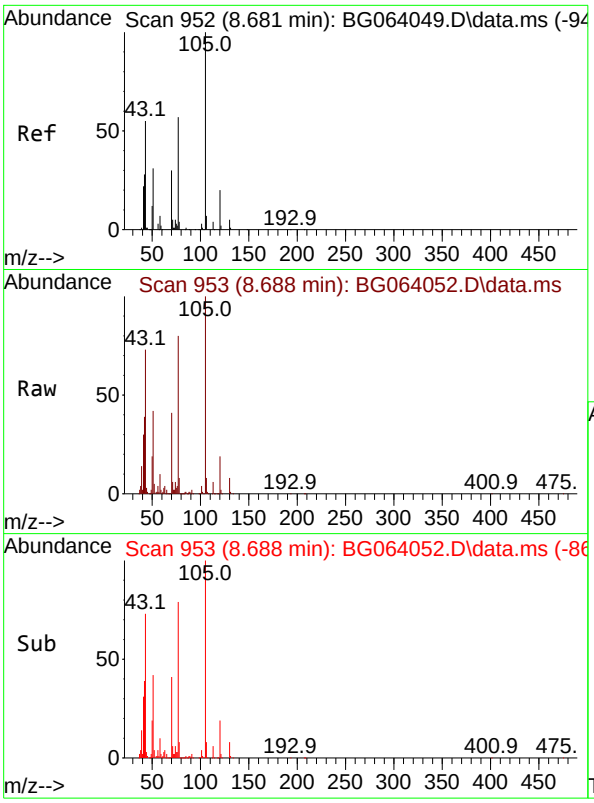


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.656 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:136 Resp: 174562

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.5	12.7
54	12.5	9.9	14.9
68	5.7	4.6	6.8

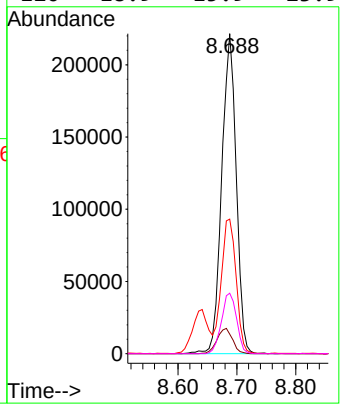




#22
Acetophenone
Concen: 79.207 ng
RT: 8.688 min Scan# 9
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:105 Resp: 37909

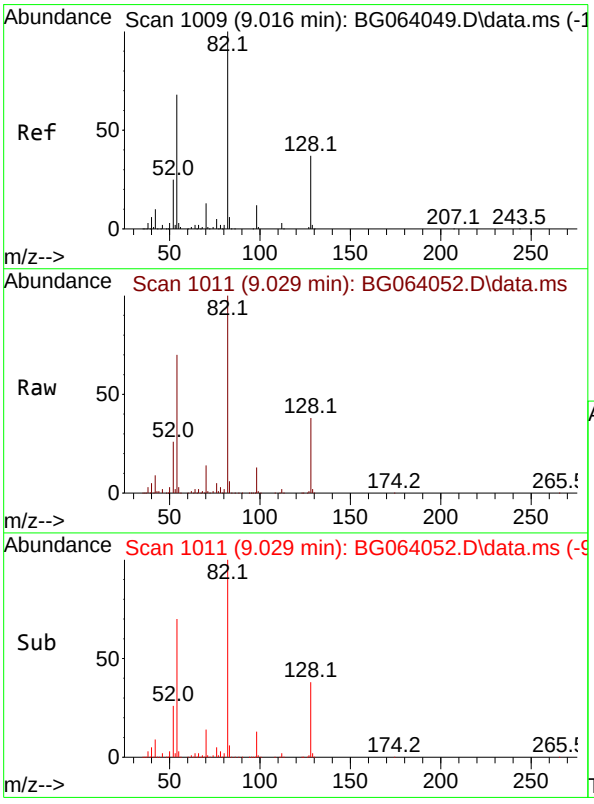
Ion	Ratio	Lower	Upper
105	100		
71	6.1	4.2	6.4
51	42.1	33.3	49.9
120	18.9	15.9	23.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

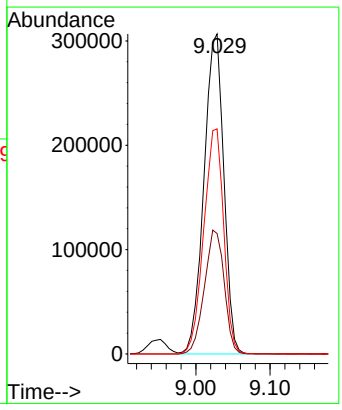
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

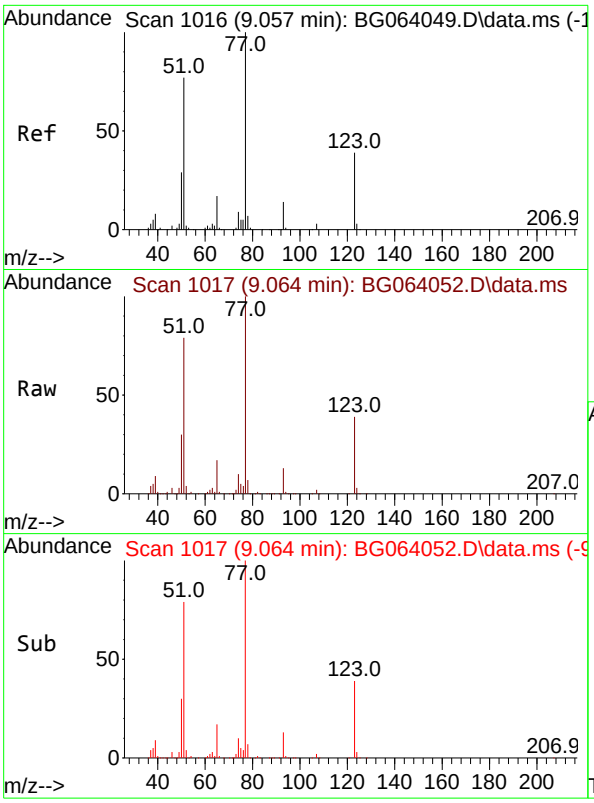


#23
Nitrobenzene-d5
Concen: 180.687 ng
RT: 9.029 min Scan# 1011
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 82 Resp: 570757

Ion	Ratio	Lower	Upper
82	100		
128	37.7	30.0	45.0
54	70.4	54.7	82.1





#24
Nitrobenzene
Concen: 87.518 ng
RT: 9.064 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

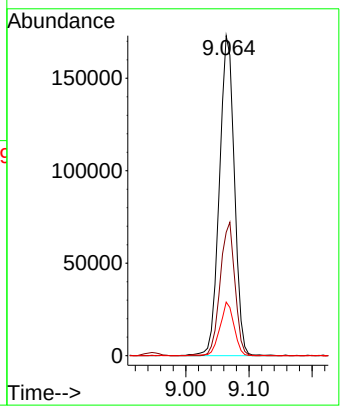
Tgt Ion: 77 Resp: 28570

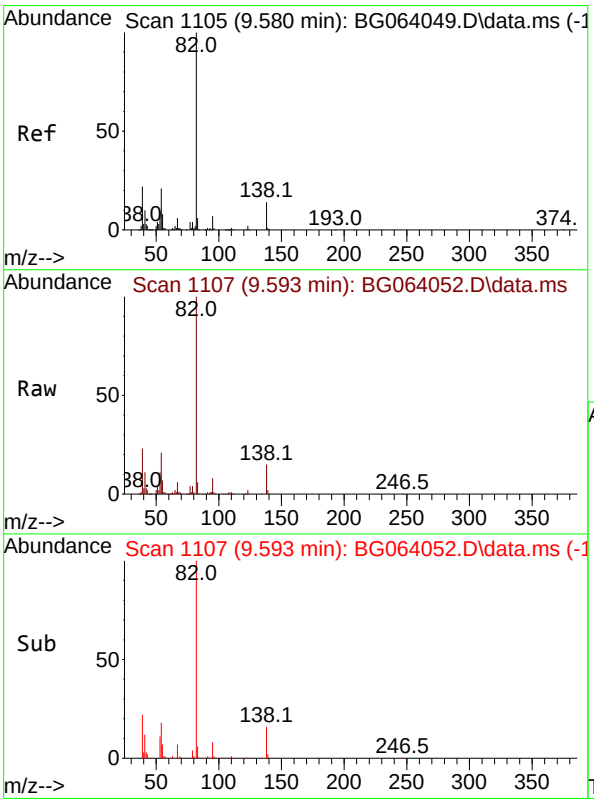
Ion	Ratio	Lower	Upper
77	100		
123	38.5	31.4	47.2
65	16.8	13.4	20.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

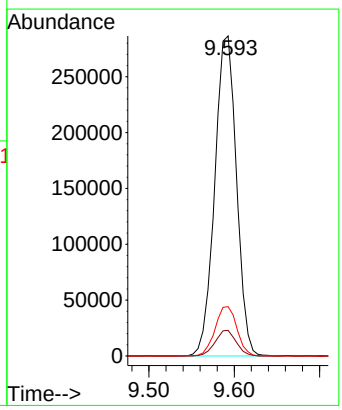


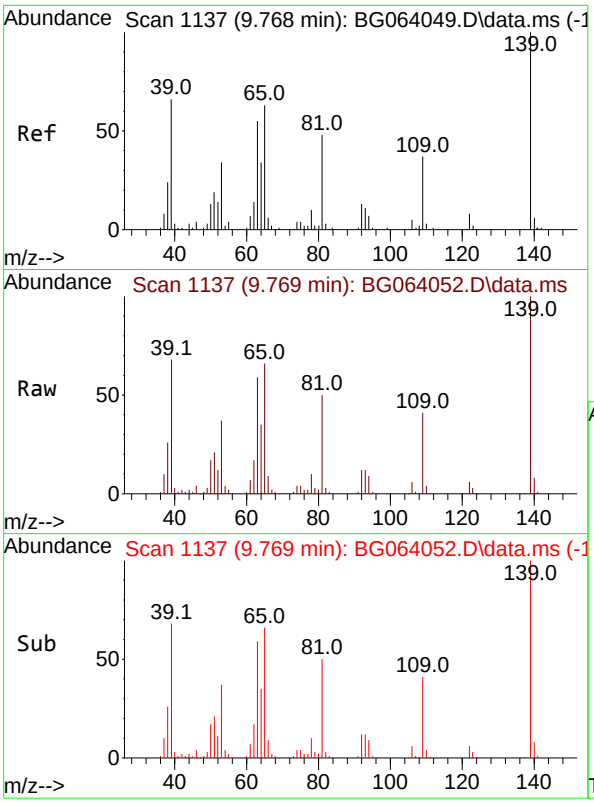


#25
Isophorone
Concen: 80.266 ng
RT: 9.593 min Scan# 1107
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 82 Resp: 507481

Ion	Ratio	Lower	Upper
82	100		
95	8.0	5.8	8.8
138	15.4	10.9	16.3





#26
2-Nitrophenol
Concen: 79.399 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

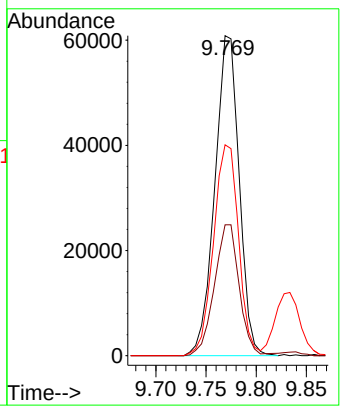
Tgt Ion:139 Resp: 10238

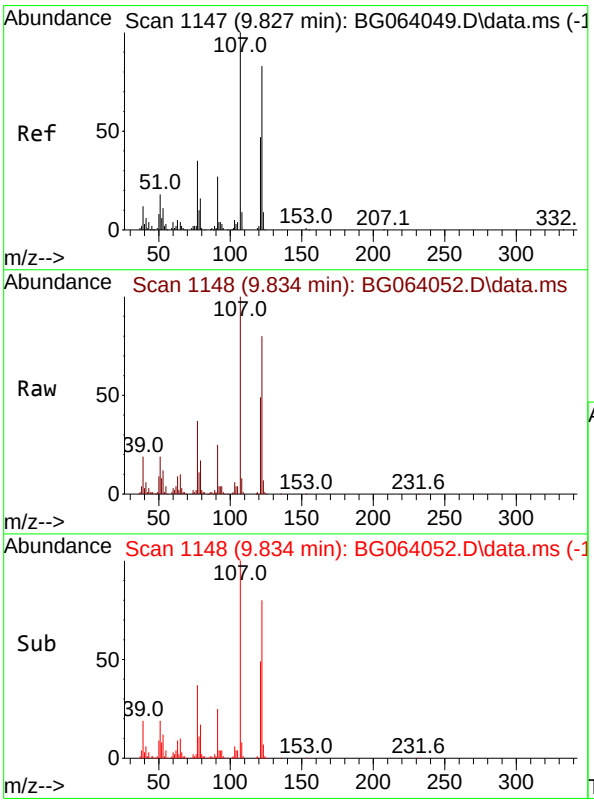
Ion	Ratio	Lower	Upper
139	100		
109	40.9	29.9	44.9
65	65.9	50.6	76.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

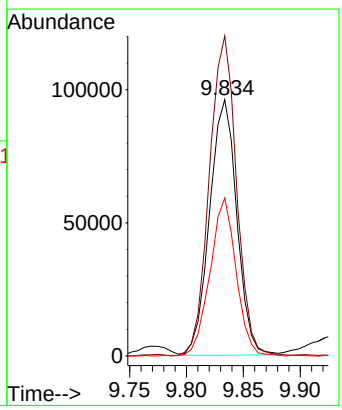


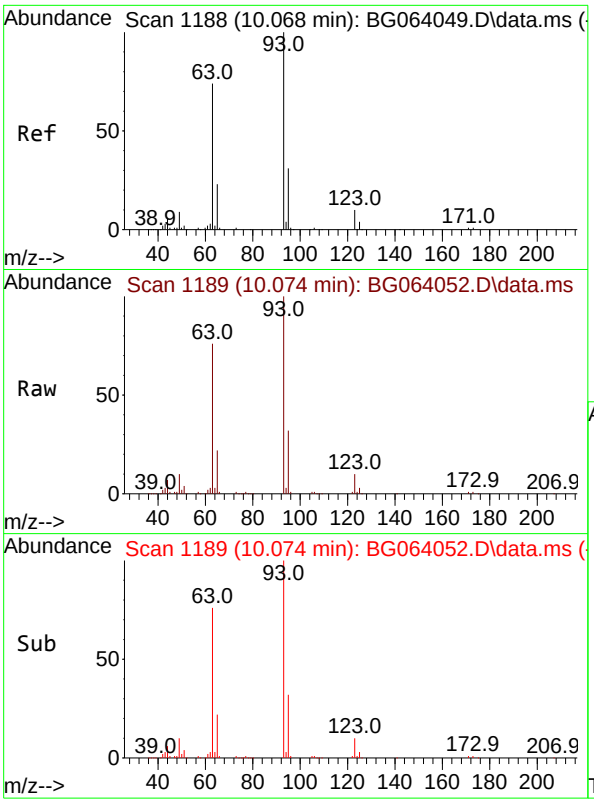


#27
2,4-Dimethylphenol
Concen: 84.413 ng
RT: 9.834 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:122 Resp: 159995

Ion	Ratio	Lower	Upper
122	100		
107	124.9	95.4	143.0
121	61.6	44.9	67.3

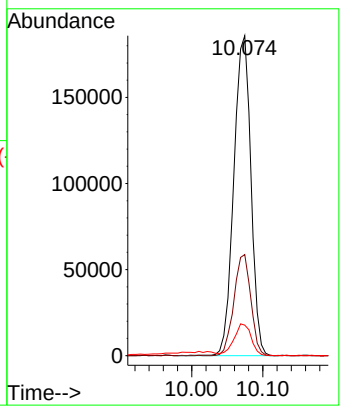




#28
bis(2-Chloroethoxy)methane
Concen: 81.082 ng
RT: 10.074 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 93 Resp: 31080

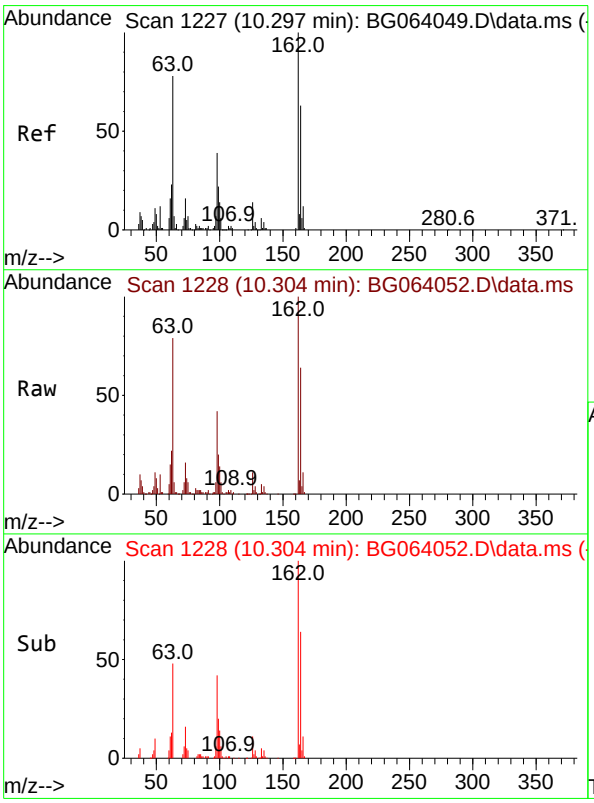
Ion	Ratio	Lower	Upper
93	100		
95	31.6	25.0	37.4
123	9.5	7.6	11.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

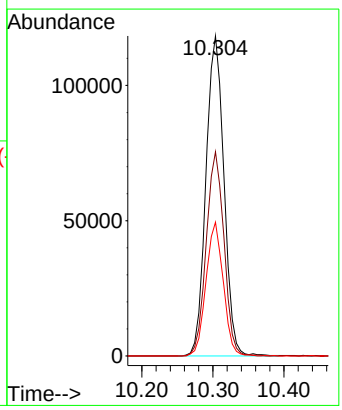
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

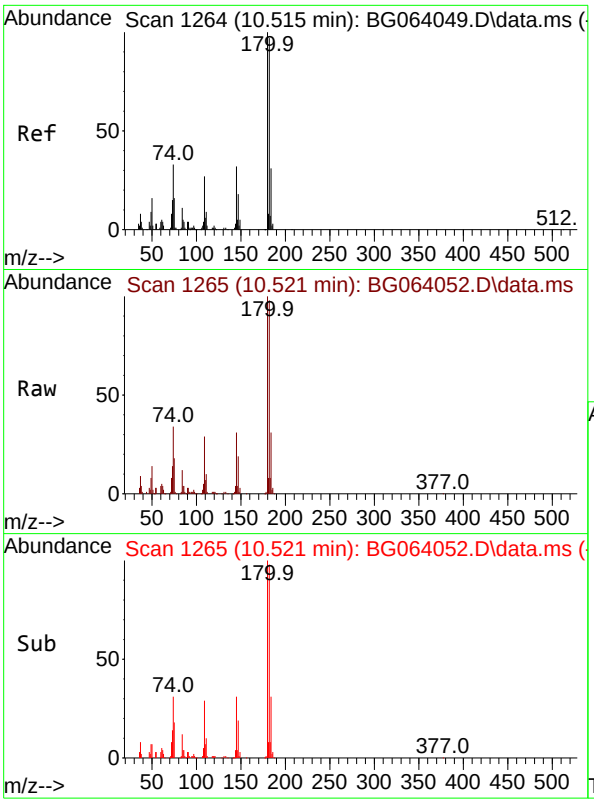


#29
2,4-Dichlorophenol
Concen: 87.086 ng
RT: 10.304 min Scan# 1228
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:162 Resp: 208425

Ion	Ratio	Lower	Upper
162	100		
164	63.8	42.8	82.8
98	41.8	19.1	59.1

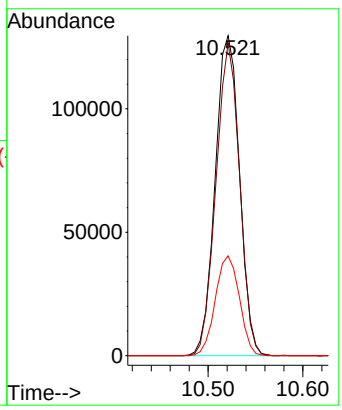




#30
1,2,4-Trichlorobenzene
Concen: 80.151 ng
RT: 10.521 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:180 Resp: 23157

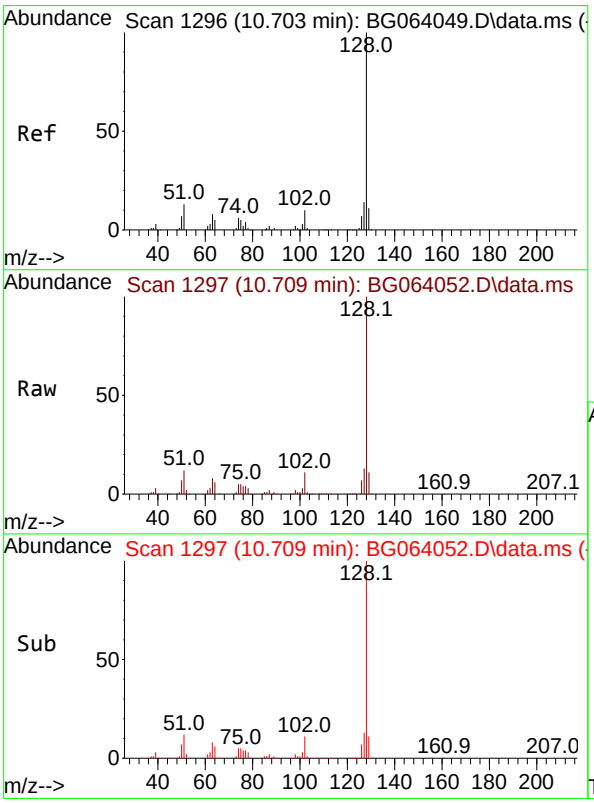
Ion	Ratio	Lower	Upper
180	100		
182	97.7	77.3	115.9
145	31.2	25.2	37.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

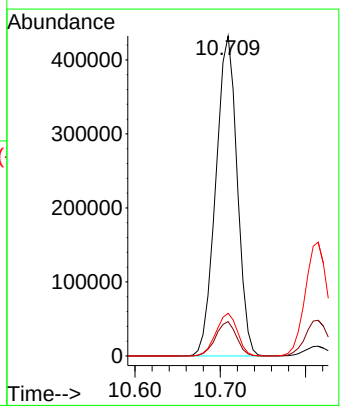
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

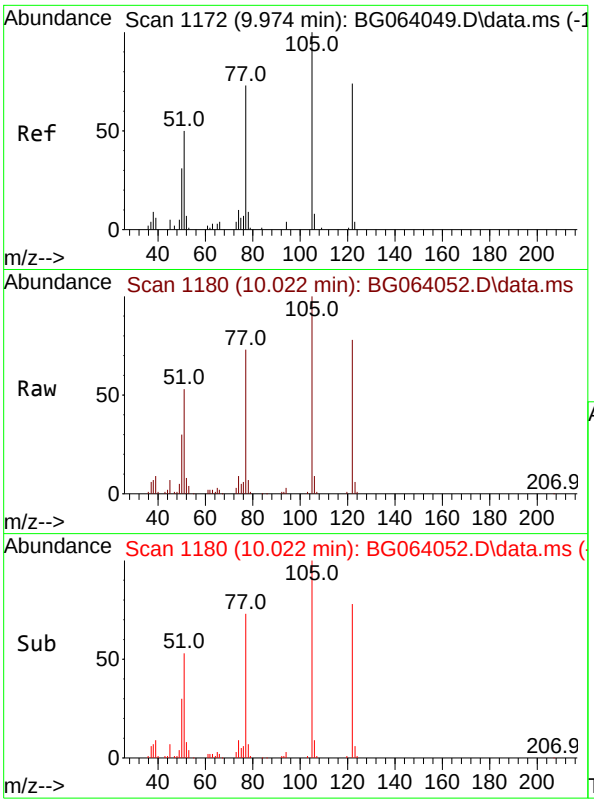


#31
Naphthalene
Concen: 79.925 ng
RT: 10.709 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:128 Resp: 752327

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.4	12.6
127	13.3	11.1	16.7

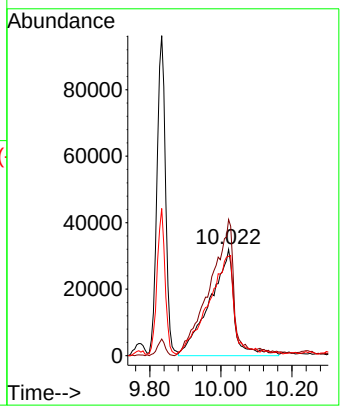




#32
Benzoic acid
Concen: 81.016 ng m
RT: 10.022 min Scan# 1
Delta R.T. 0.048 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:122 Resp: 15353

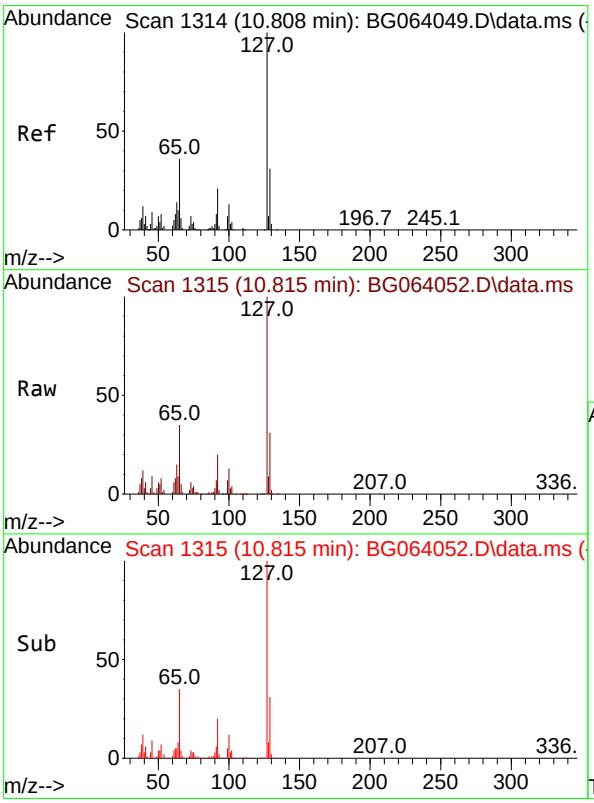
Ion	Ratio	Lower	Upper
122	100		
105	128.1	115.0	155.0
77	93.5	80.9	120.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

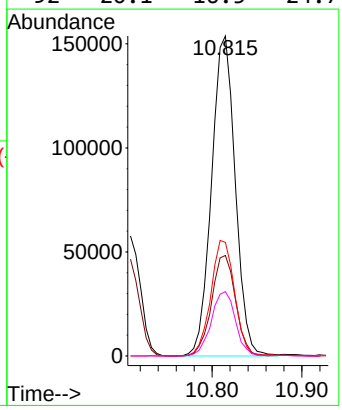
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

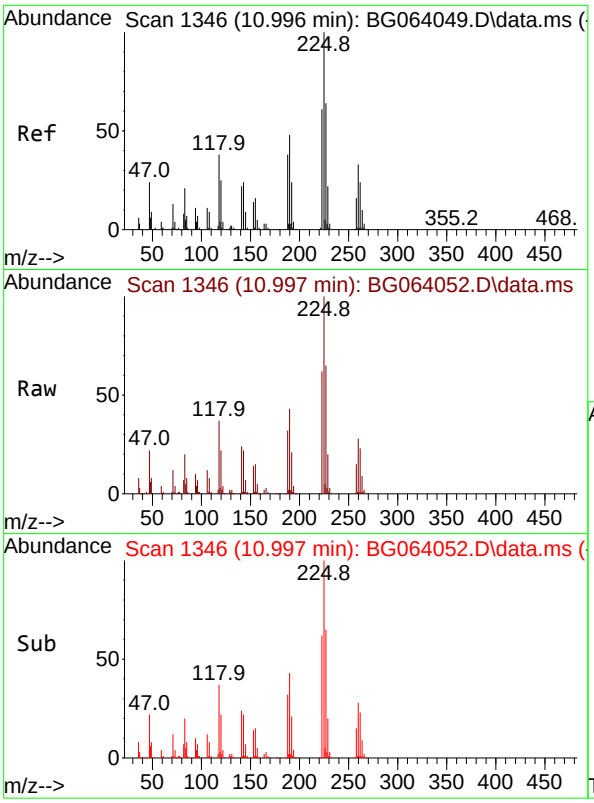


#33
4-Chloroaniline
Concen: 81.948 ng
RT: 10.815 min Scan# 1315
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:127 Resp: 281930

Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.0	37.4
65	35.5	28.5	42.7
92	20.1	16.5	24.7

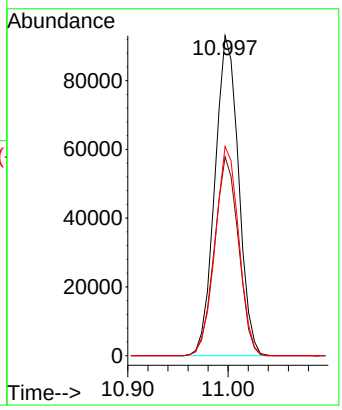




#34
Hexachlorobutadiene
Concen: 80.341 ng
RT: 10.997 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:225 Resp: 15214

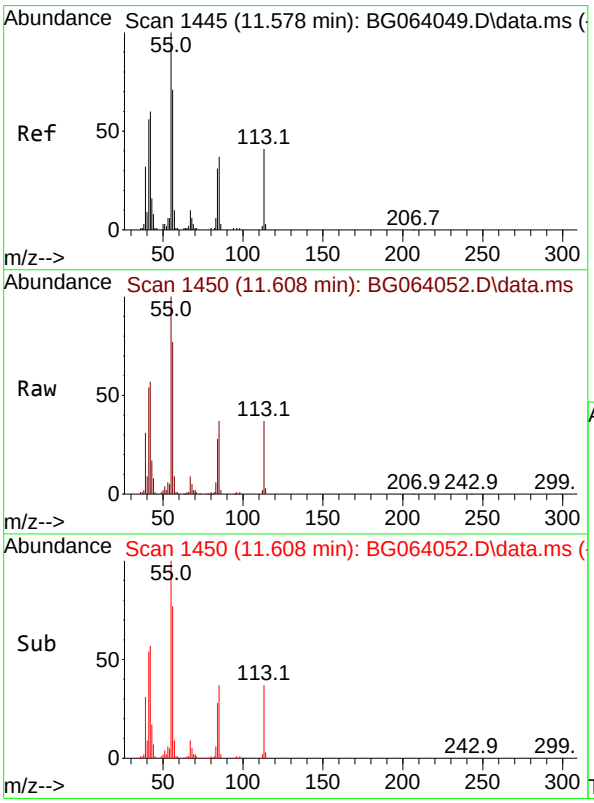
Ion	Ratio	Lower	Upper
225	100		
223	62.1	48.5	72.7
227	65.4	51.0	76.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

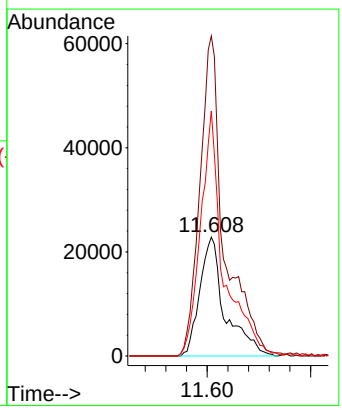
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

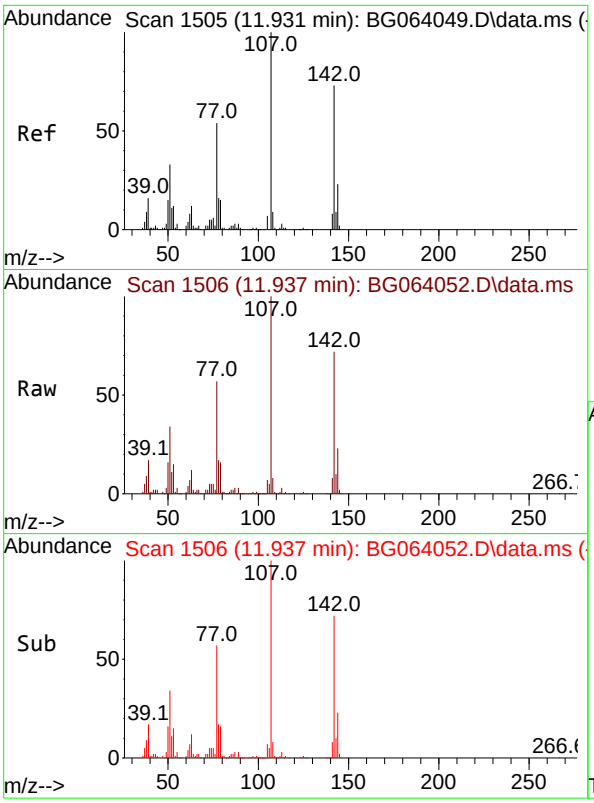


#35
Caprolactam
Concen: 84.477 ng
RT: 11.608 min Scan# 1450
Delta R.T. 0.030 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:113 Resp: 77479

Ion	Ratio	Lower	Upper
113	100		
55	269.1	225.2	265.2#
56	206.0	153.4	193.4#





#36
4-Chloro-3-methylphenol
Concen: 83.772 ng
RT: 11.937 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

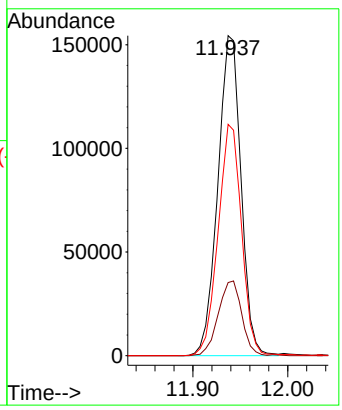
Tgt Ion:107 Resp: 26281

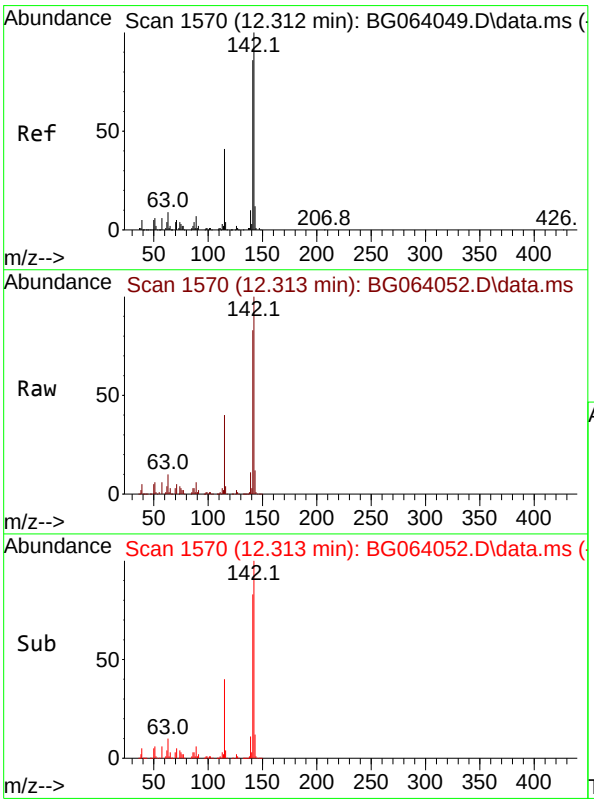
Ion	Ratio	Lower	Upper
107	100		
144	22.9	18.6	28.0
142	72.3	58.0	87.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

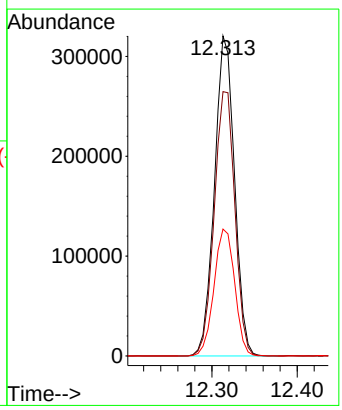


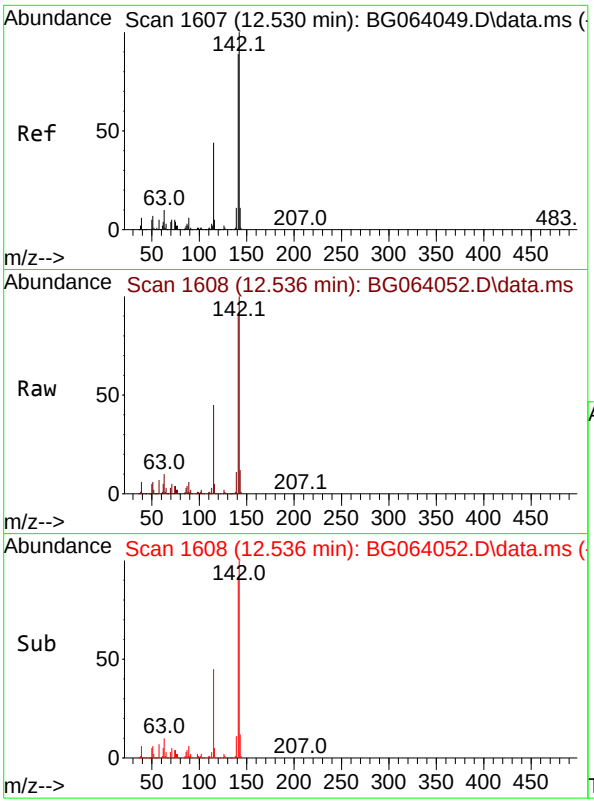


#37
2-Methylnaphthalene
Concen: 78.886 ng
RT: 12.313 min Scan# 1570
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:142 Resp: 524206

Ion	Ratio	Lower	Upper
142	100		
141	82.6	68.6	103.0
115	39.7	32.8	49.2

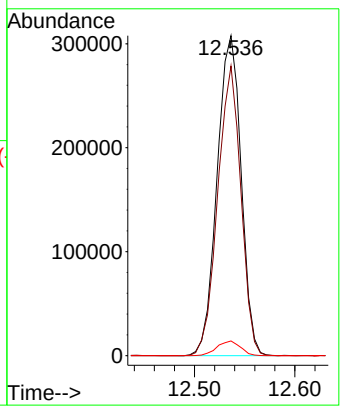




#38
1-Methylnaphthalene
Concen: 78.566 ng
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:142 Resp: 51148

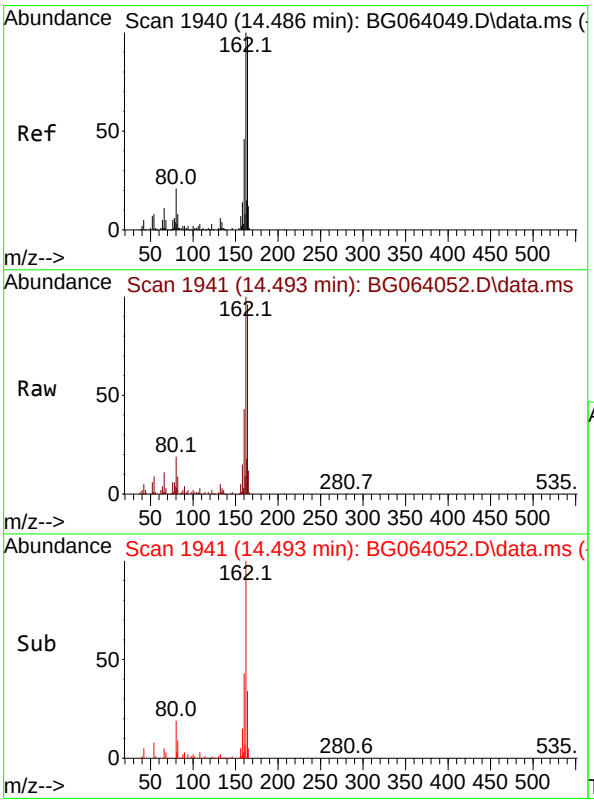
Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.2	106.8
116	4.6	3.6	5.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

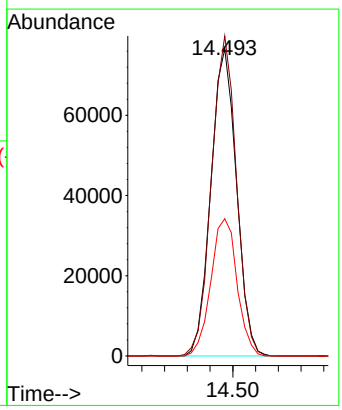
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

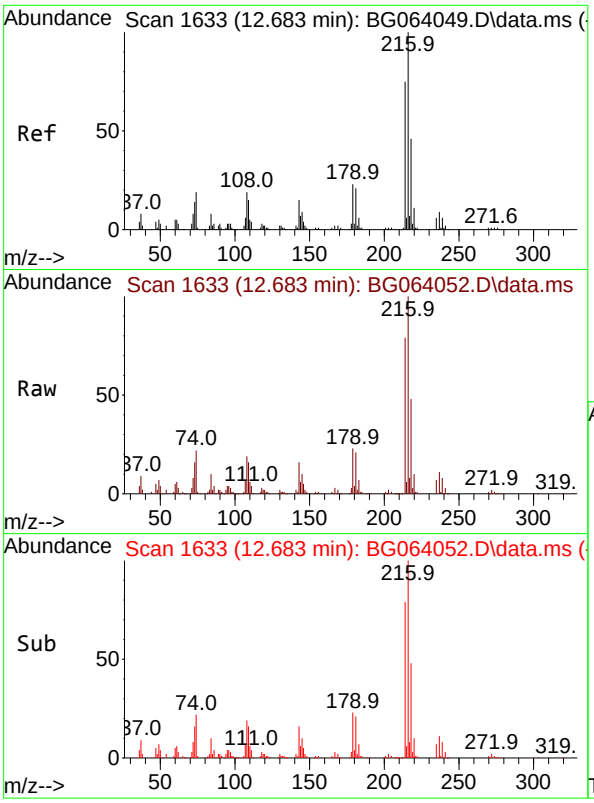


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.493 min Scan# 1941
Delta R.T. 0.007 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:164 Resp: 119753

Ion	Ratio	Lower	Upper
164	100		
162	104.2	81.4	122.0
160	44.7	37.0	55.6

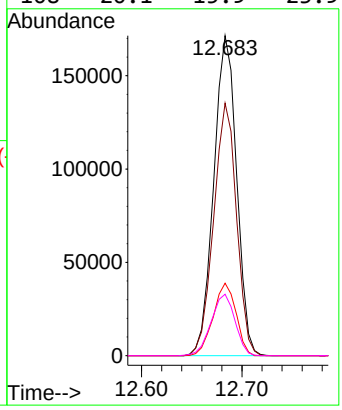




#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.289 ng
RT: 12.683 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:216 Resp: 271079

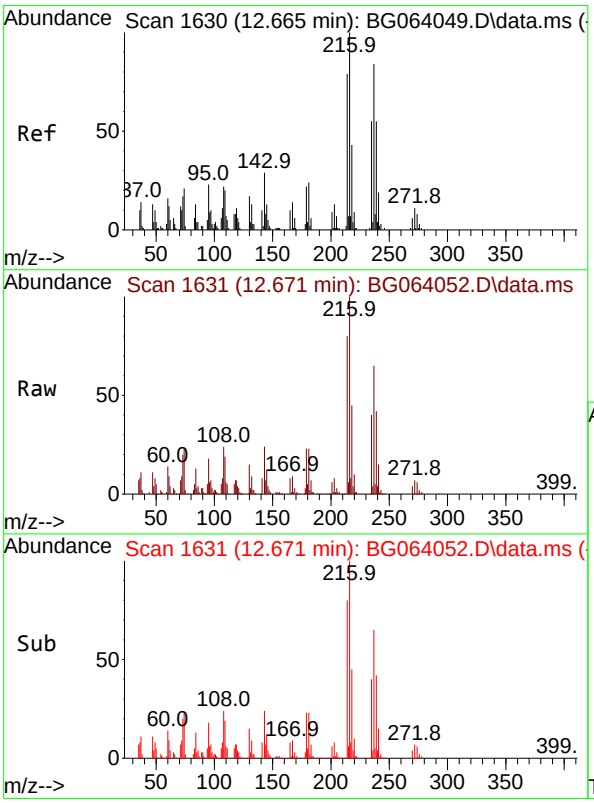
Ion	Ratio	Lower	Upper
216	100		
214	78.7	61.7	92.5
179	22.6	17.9	26.9
108	20.1	15.9	23.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

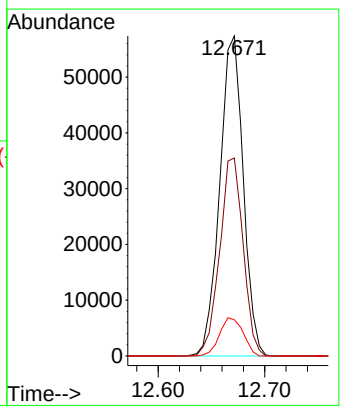
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

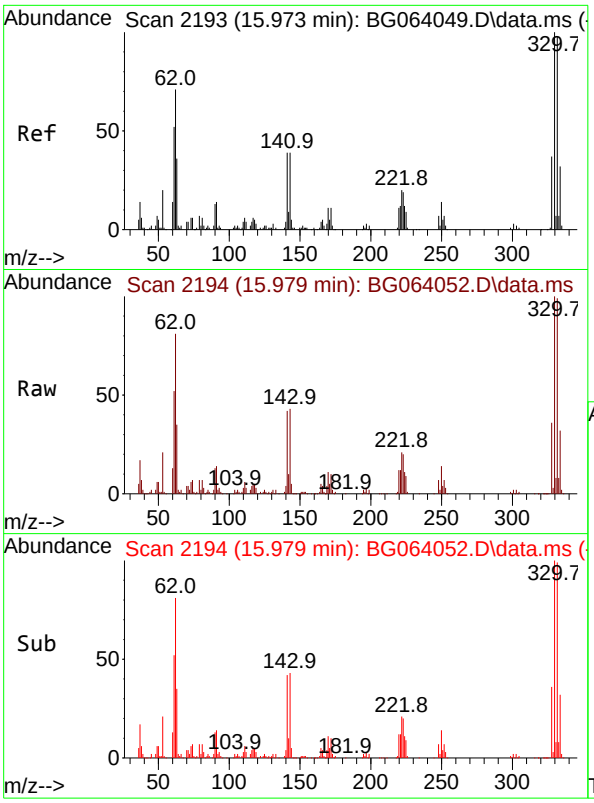


#41
Hexachlorocyclopentadiene
Concen: 91.141 ng
RT: 12.671 min Scan# 1631
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:237 Resp: 87700

Ion	Ratio	Lower	Upper
237	100		
235	61.8	46.0	86.0
272	11.3	0.0	32.8

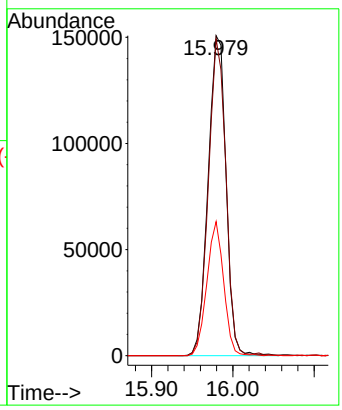




#42
2,4,6-Tribromophenol
Concen: 173.228 ng
RT: 15.979 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:330 Resp: 23059

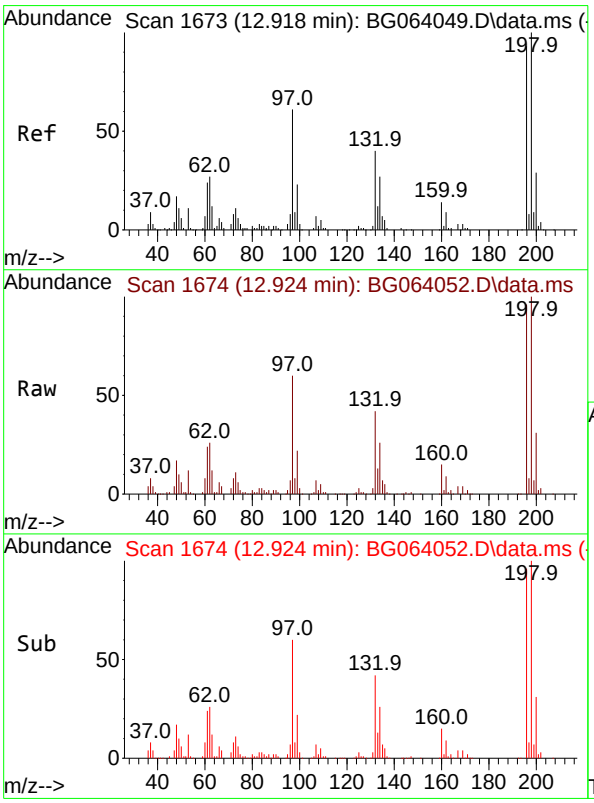
Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.7	115.1
141	39.4	29.7	44.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

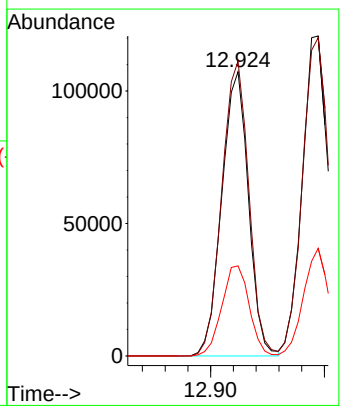
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

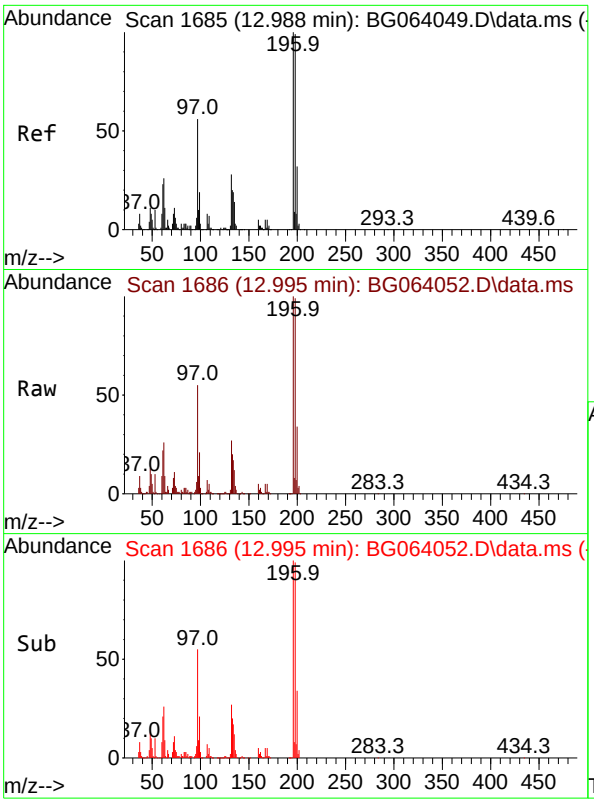


#43
2,4,6-Trichlorophenol
Concen: 86.966 ng
RT: 12.924 min Scan# 1674
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:196 Resp: 175233

Ion	Ratio	Lower	Upper
196	100		
198	103.7	85.6	128.4
200	31.7	24.6	37.0

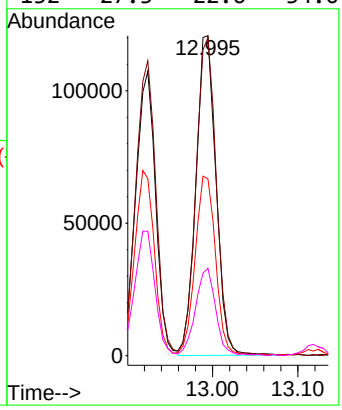




#44
2,4,5-Trichlorophenol
Concen: 88.360 ng
RT: 12.995 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:196 Resp: 19783

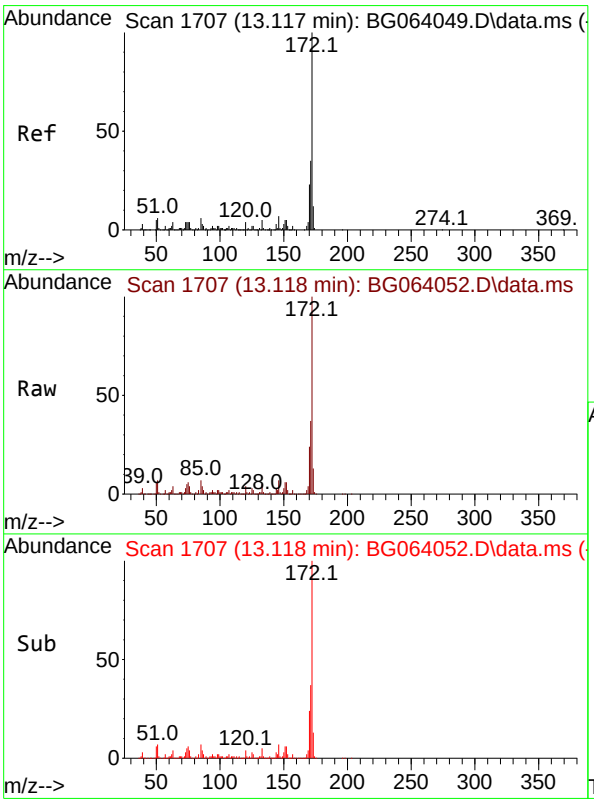
Ion	Ratio	Lower	Upper
196	100		
198	99.5	79.5	119.3
97	55.3	45.2	67.8
132	27.3	22.6	34.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

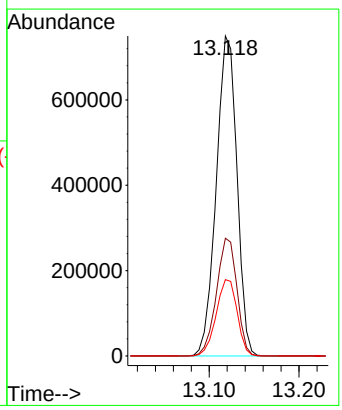
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

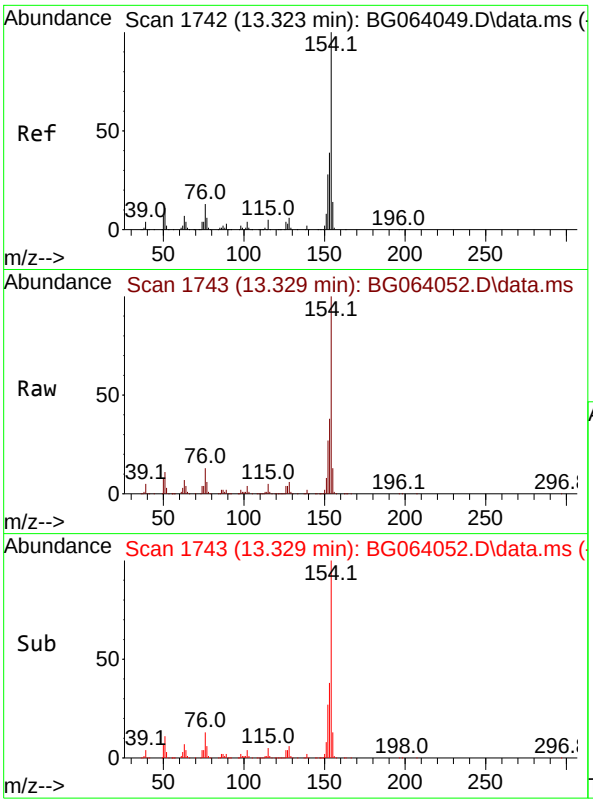


#45
2-Fluorobiphenyl
Concen: 151.908 ng
RT: 13.118 min Scan# 1707
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:172 Resp: 1198476

Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.0	42.0
170	23.9	18.7	28.1

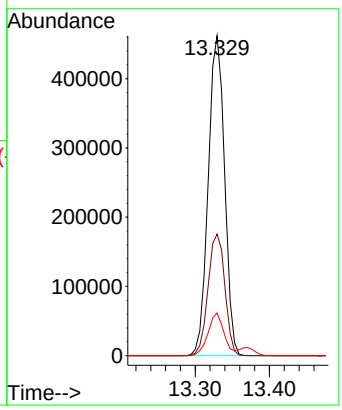




#46
1,1'-Biphenyl
Concen: 78.106 ng
RT: 13.329 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:154 Resp: 70665

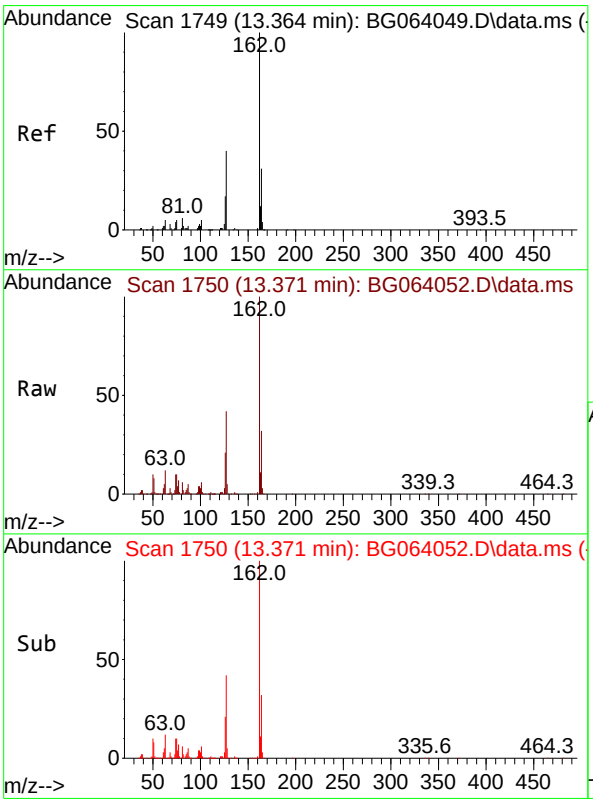
Ion	Ratio	Lower	Upper
154	100		
153	38.0	19.5	59.5
76	13.3	0.0	33.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

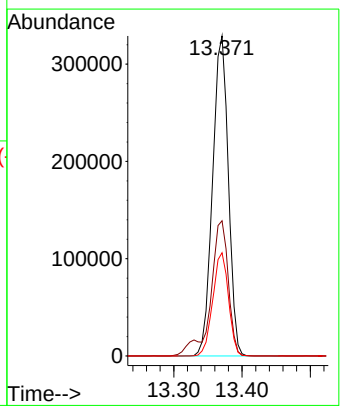
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

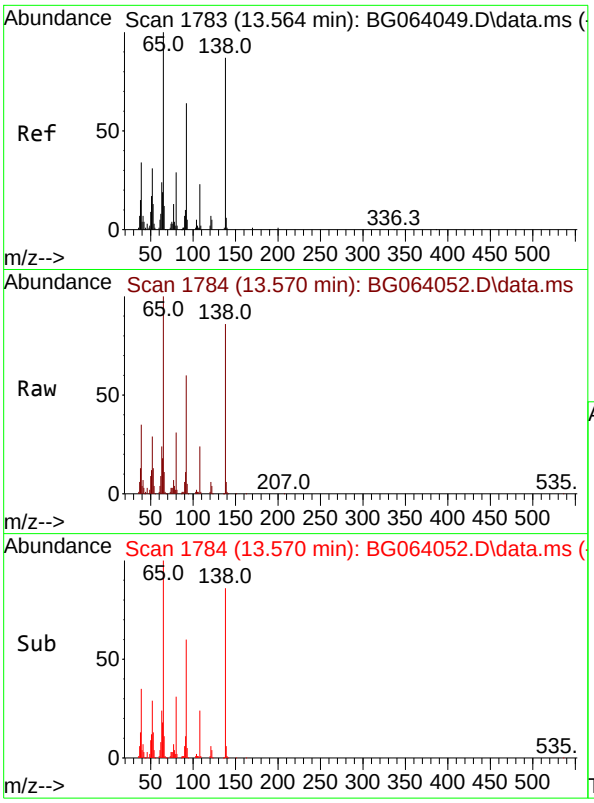


#47
2-Chloronaphthalene
Concen: 80.099 ng
RT: 13.371 min Scan# 1750
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:162 Resp: 528541

Ion	Ratio	Lower	Upper
162	100		
127	42.2	35.0	52.4
164	32.3	25.0	37.6

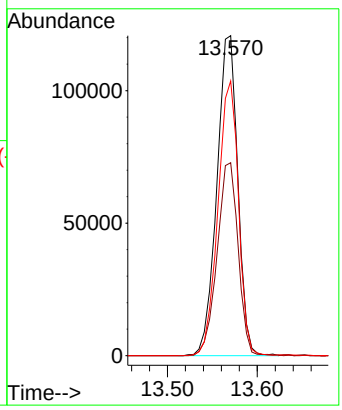




#48
2-Nitroaniline
Concen: 79.407 ng
RT: 13.570 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 65 Resp: 19536

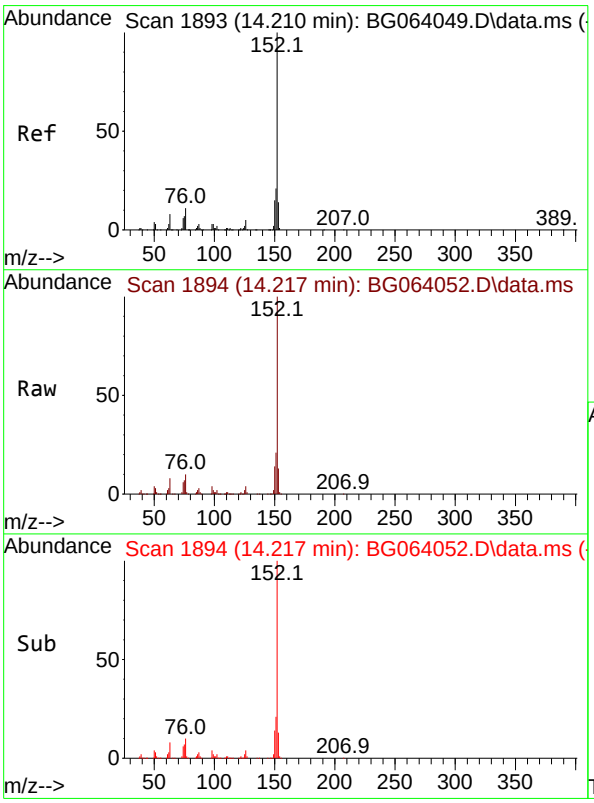
Ion	Ratio	Lower	Upper
65	100		
92	60.3	51.2	76.8
138	85.9	69.4	104.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

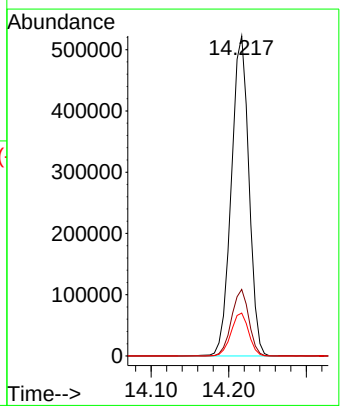
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

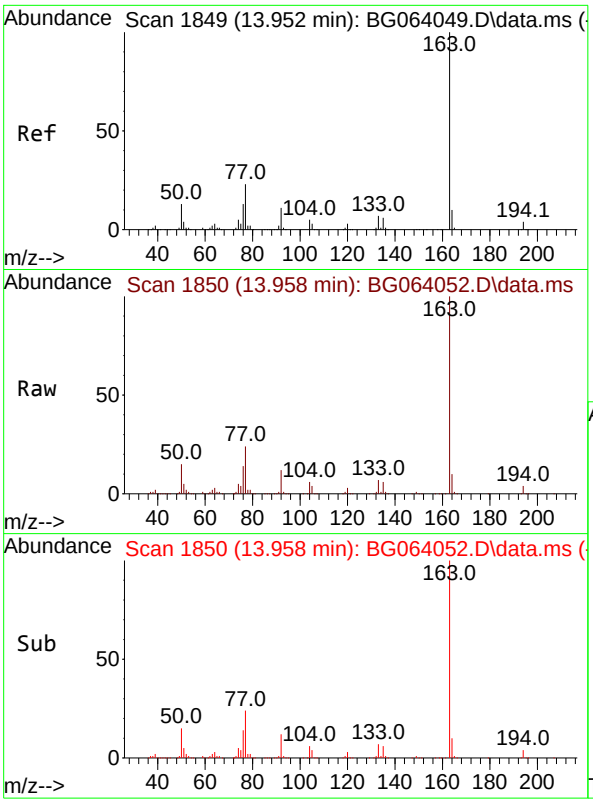


#49
Acenaphthylene
Concen: 78.787 ng
RT: 14.217 min Scan# 1894
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:152 Resp: 822307

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.4	24.6
153	13.4	10.9	16.3





#50
Dimethylphthalate
Concen: 78.689 ng
RT: 13.958 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

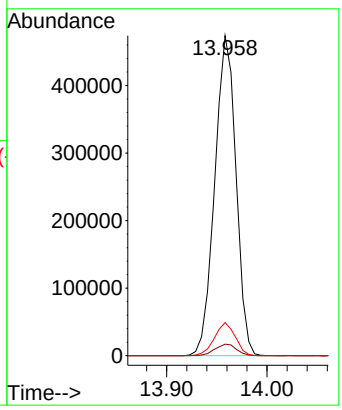
Tgt Ion:163 Resp: 69559

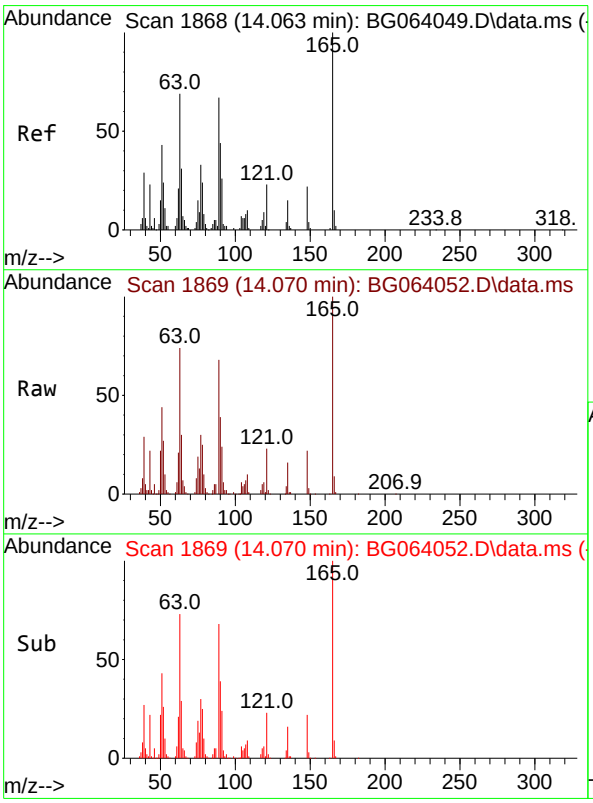
Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.4	8.2	12.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

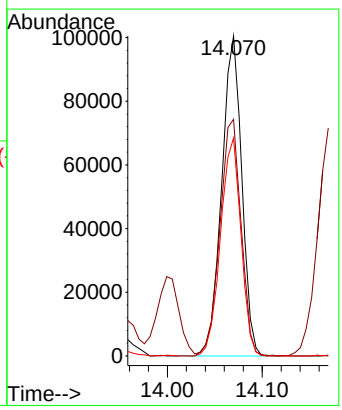


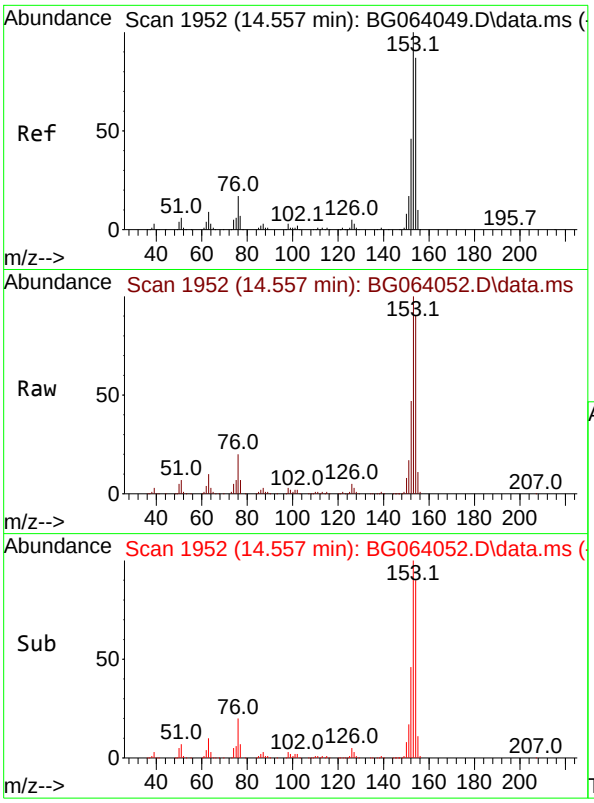


#51
2,6-Dinitrotoluene
Concen: 79.965 ng
RT: 14.070 min Scan# 1869
Delta R.T. 0.007 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:165 Resp: 147719

Ion	Ratio	Lower	Upper
165	100		
63	74.0	56.7	85.1
89	68.1	53.7	80.5

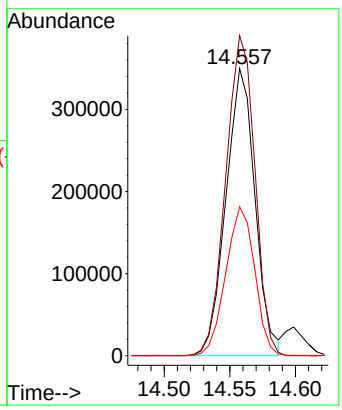




#52
Acenaphthene
Concen: 76.999 ng
RT: 14.557 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:154 Resp: 54044

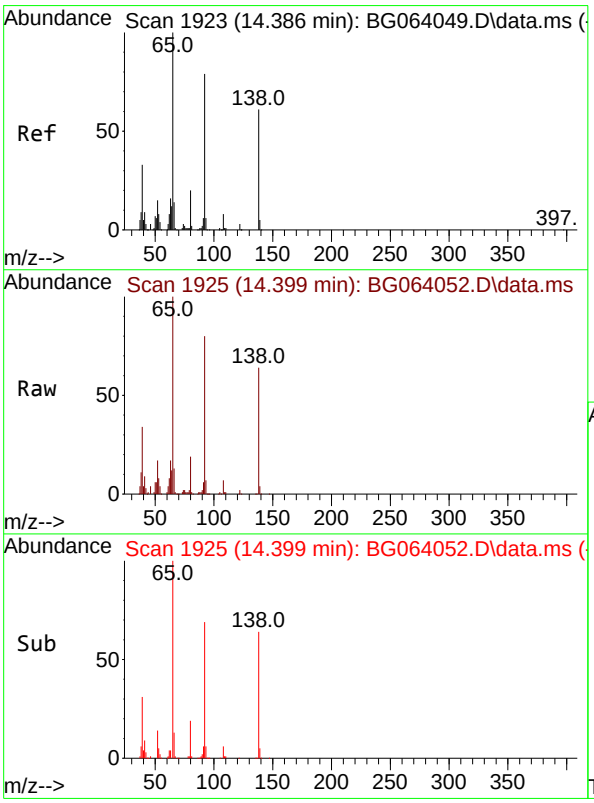
Ion	Ratio	Lower	Upper
154	100		
153	111.4	91.6	137.4
152	51.9	42.5	63.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

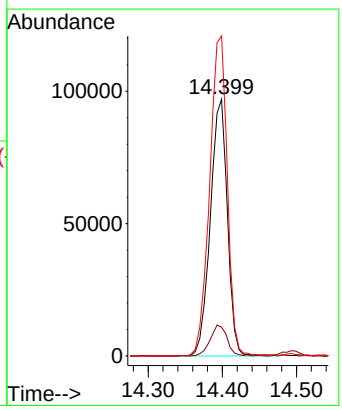
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

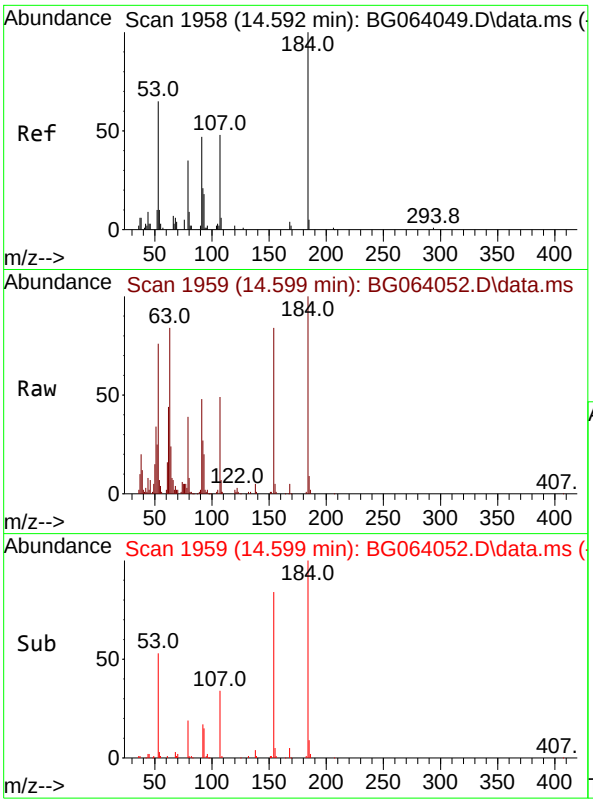


#53
3-Nitroaniline
Concen: 90.561 ng
RT: 14.399 min Scan# 1925
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:138 Resp: 154723

Ion	Ratio	Lower	Upper
138	100		
108	11.2	10.1	15.1
92	124.6	104.1	156.1

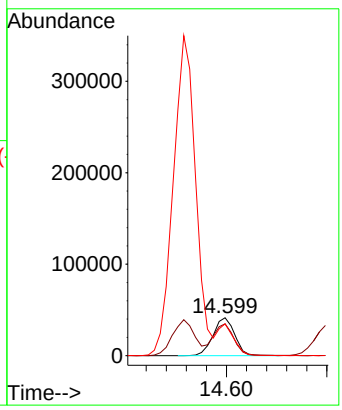




#54
2,4-Dinitrophenol
Concen: 82.400 ng
RT: 14.599 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:184 Resp: 6180

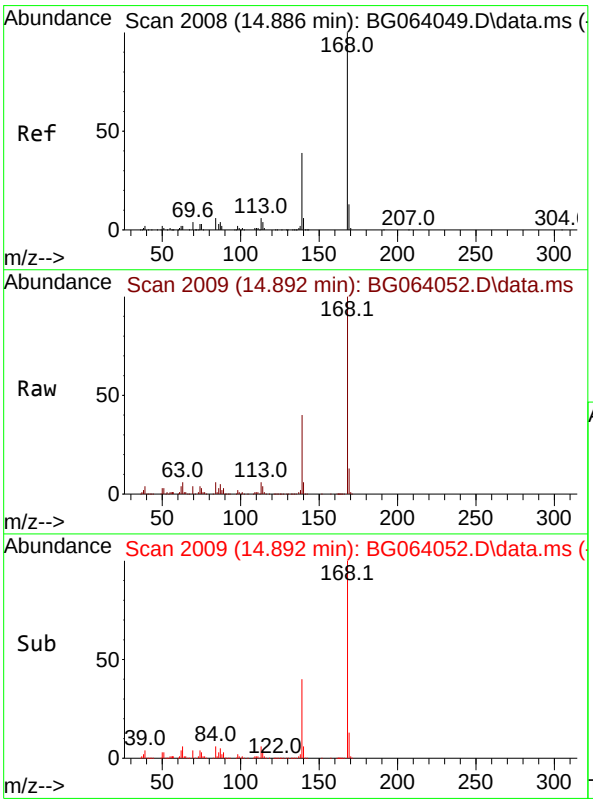
Ion	Ratio	Lower	Upper
184	100		
63	84.0	57.5	86.3
154	83.9	52.3	78.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

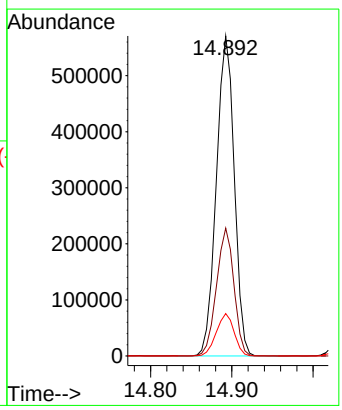
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

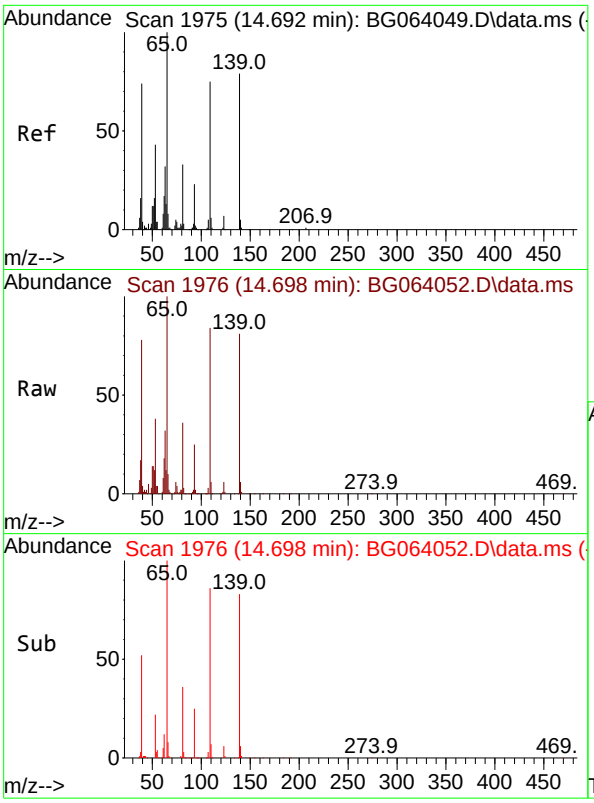


#55
Dibenzofuran
Concen: 77.066 ng
RT: 14.892 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:168 Resp: 874479

Ion	Ratio	Lower	Upper
168	100		
139	40.0	31.1	46.7
169	13.2	10.5	15.7

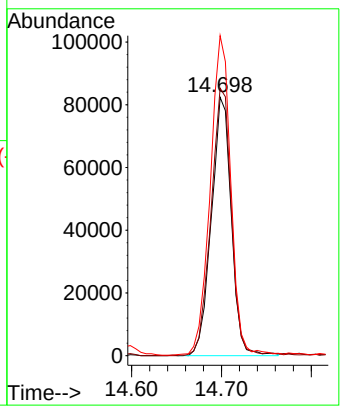




#56
4-Nitrophenol
Concen: 88.621 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:139 Resp: 12698

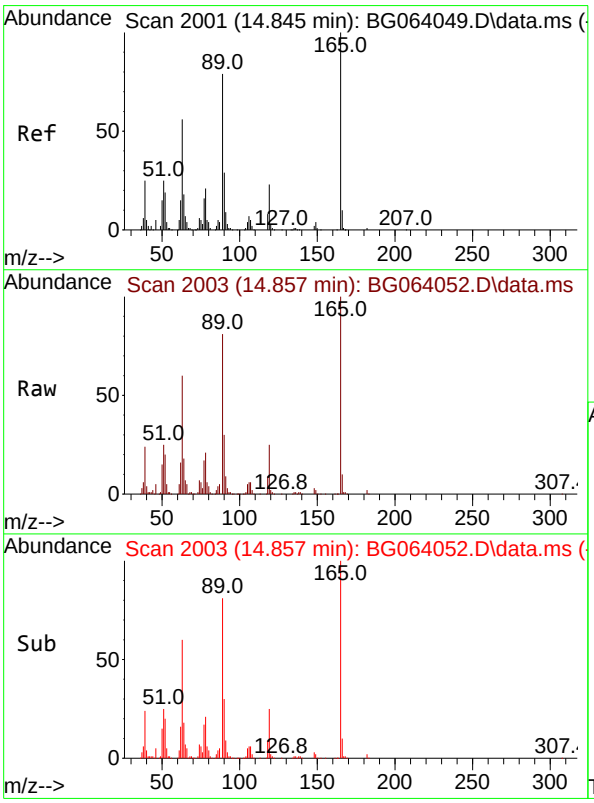
Ion	Ratio	Lower	Upper
139	100		
109	103.5	74.9	114.9
65	123.8	106.8	146.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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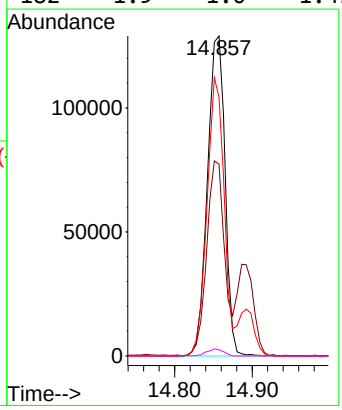
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

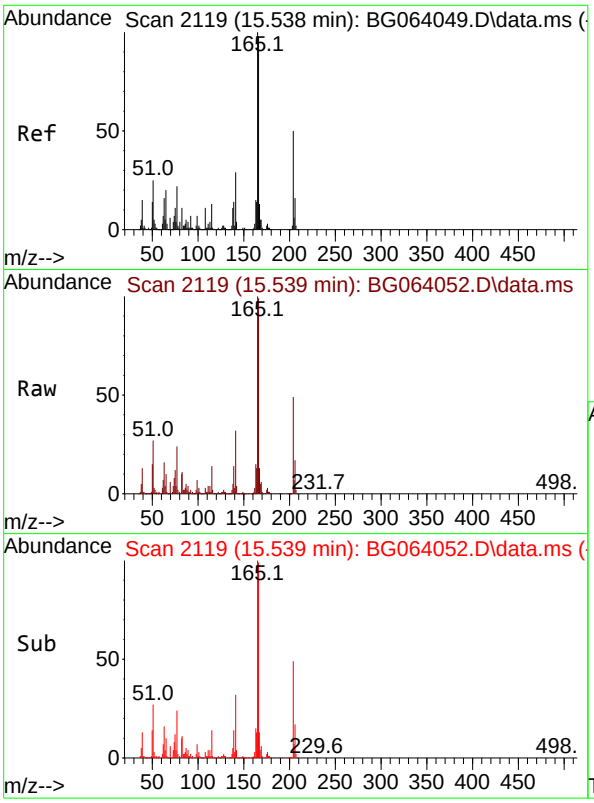


#57
2,4-Dinitrotoluene
Concen: 79.564 ng
RT: 14.857 min Scan# 2003
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:165 Resp: 203301

Ion	Ratio	Lower	Upper
165	100		
63	60.0	45.0	67.6
89	80.9	63.1	94.7
182	1.9	1.0	1.4#

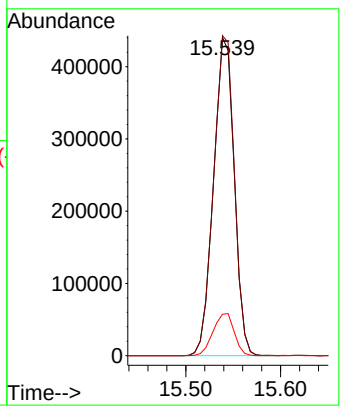




#58
Fluorene
Concen: 75.593 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:166 Resp: 66807

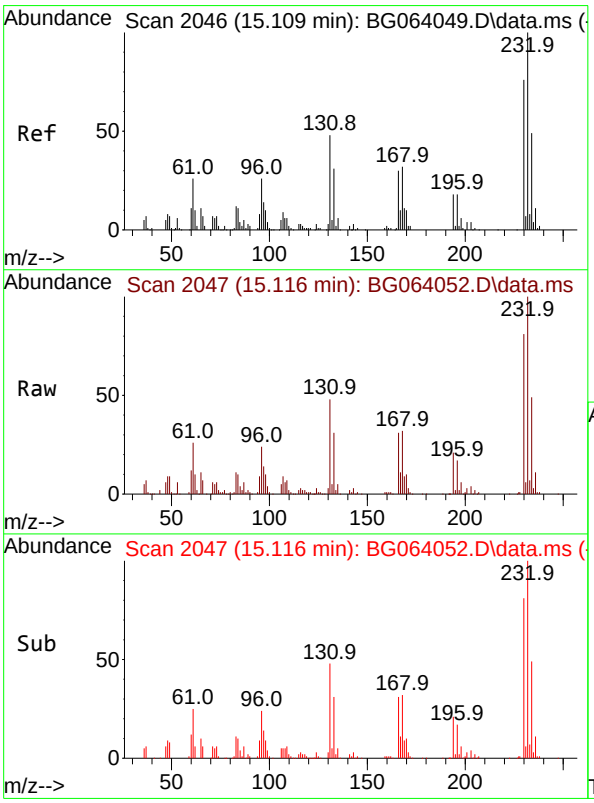
Ion	Ratio	Lower	Upper
166	100		
165	100.6	81.8	122.8
167	13.0	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

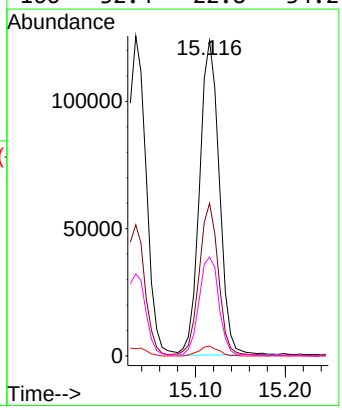
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

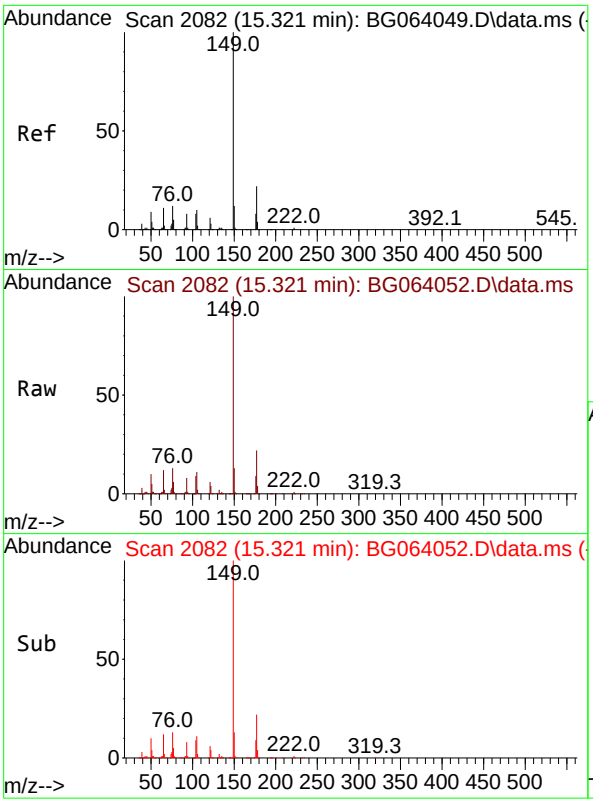


#59
2,3,4,6-Tetrachlorophenol
Concen: 86.273 ng
RT: 15.116 min Scan# 2047
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:232 Resp: 188307

Ion	Ratio	Lower	Upper
232	100		
131	47.8	36.3	54.5
130	3.1	1.9	2.9#
166	32.4	22.8	34.2

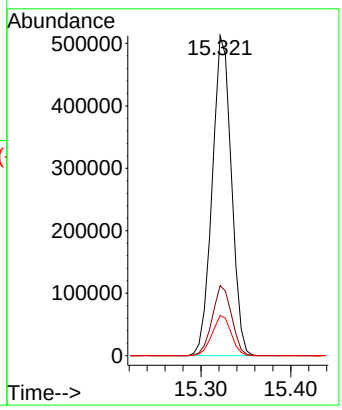




#60
Diethylphthalate
Concen: 79.055 ng
RT: 15.321 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:149 Resp: 75865

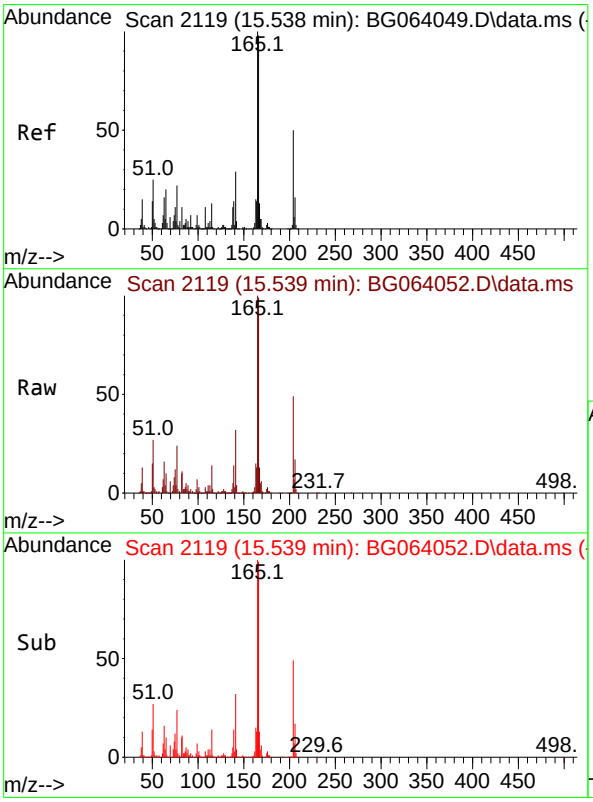
Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.6	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

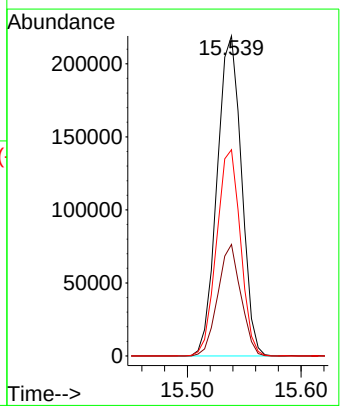
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

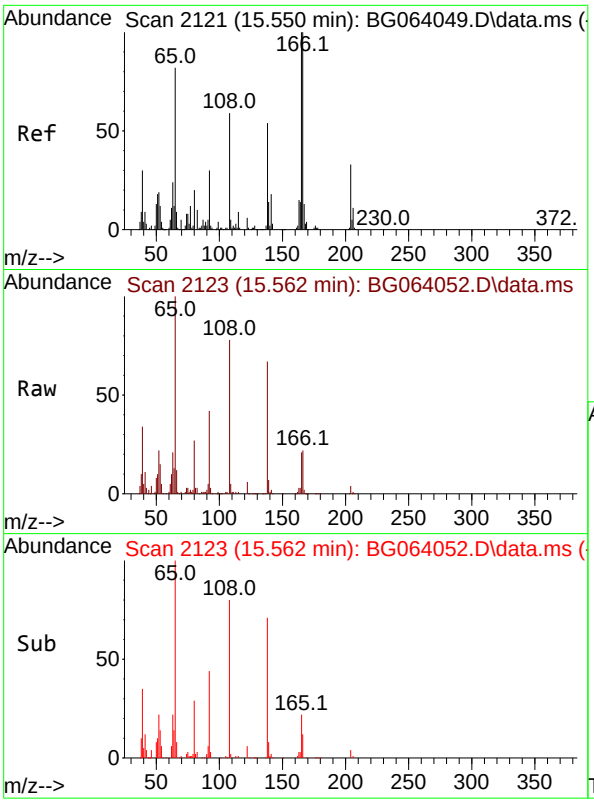


#61
4-Chlorophenyl-phenylether
Concen: 74.261 ng
RT: 15.539 min Scan# 2119
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:204 Resp: 326141

Ion	Ratio	Lower	Upper
204	100		
206	34.8	25.5	38.3
141	64.4	45.4	68.0

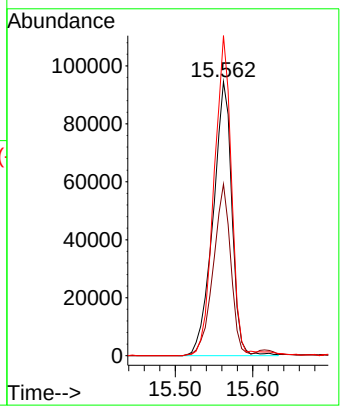




#62
4-Nitroaniline
Concen: 86.459 ng
RT: 15.562 min Scan# 2
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:138 Resp: 15947

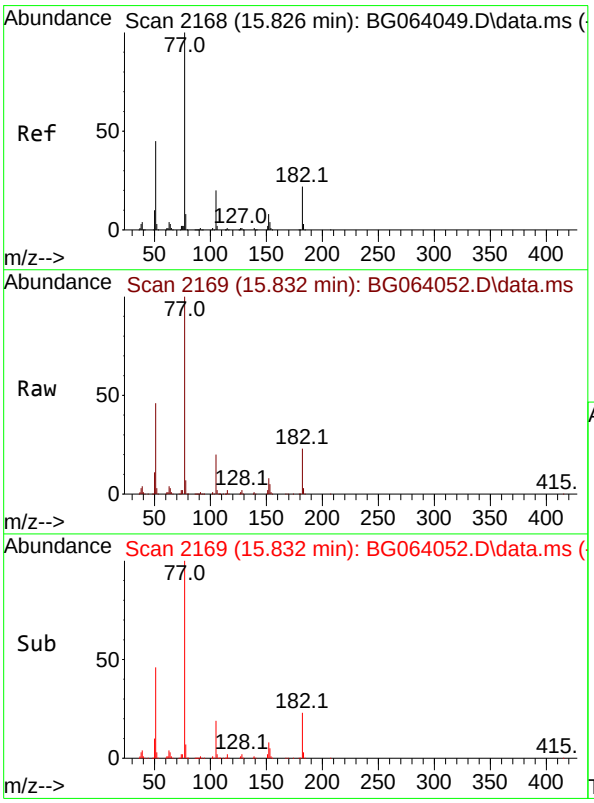
Ion	Ratio	Lower	Upper
138	100		
92	62.6	36.1	76.1
108	116.8	87.9	127.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

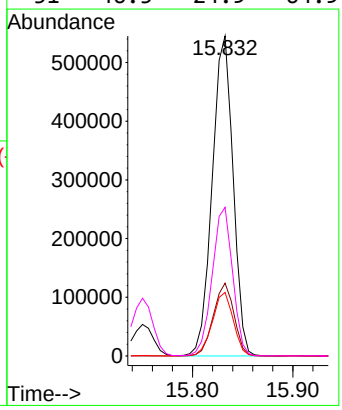
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

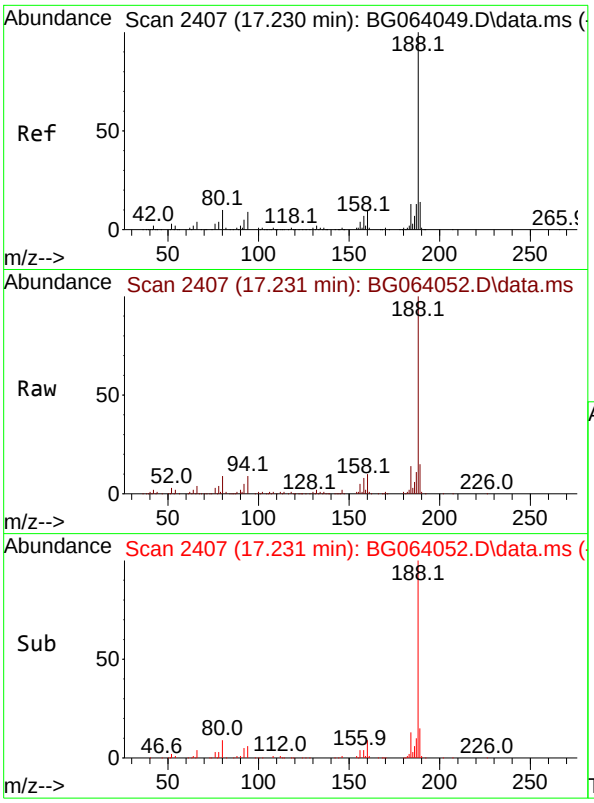


#63
Azobenzene
Concen: 76.893 ng
RT: 15.832 min Scan# 2169
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 77 Resp: 787412

Ion	Ratio	Lower	Upper
77	100		
182	22.8	2.4	42.4
105	19.9	0.0	40.0
51	46.5	24.9	64.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.231 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

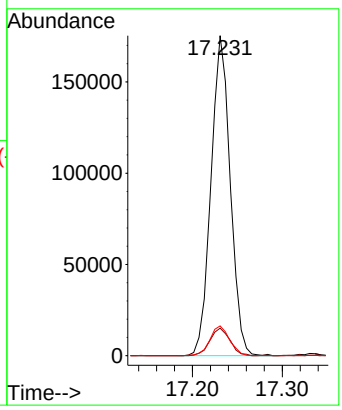
Tgt Ion:188 Resp: 26135

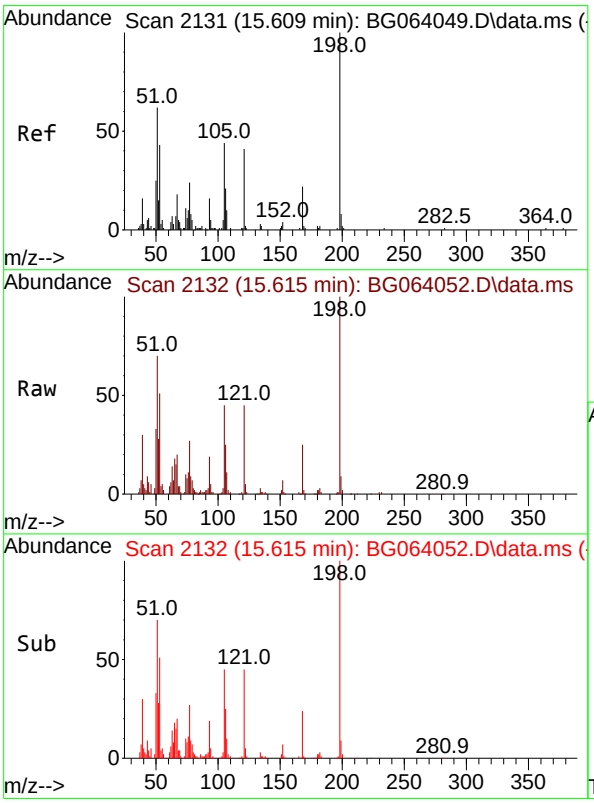
Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	9.3	8.1	12.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

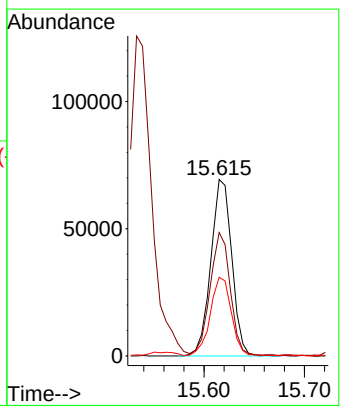


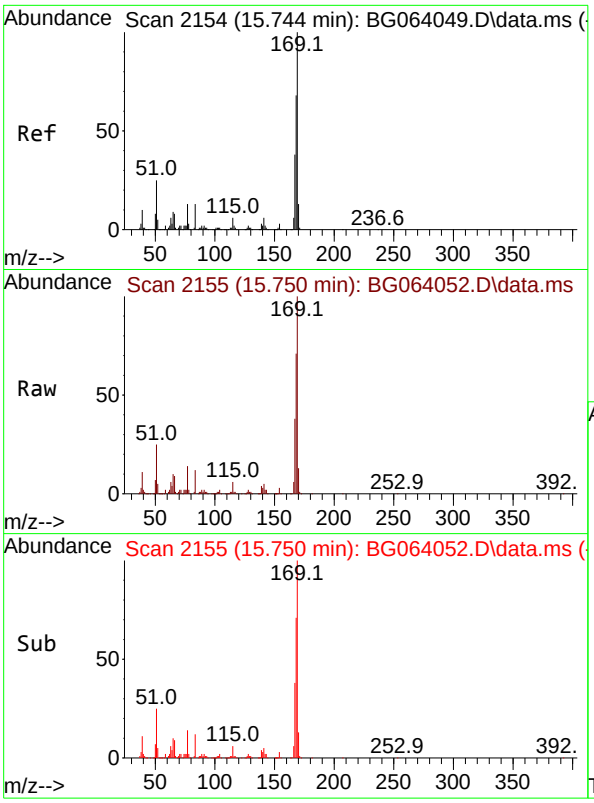


#65
4,6-Dinitro-2-methylphenol
Concen: 81.905 ng
RT: 15.615 min Scan# 2132
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:198 Resp: 100338

Ion	Ratio	Lower	Upper
198	100		
51	69.9	45.6	85.6
105	44.6	25.3	65.3

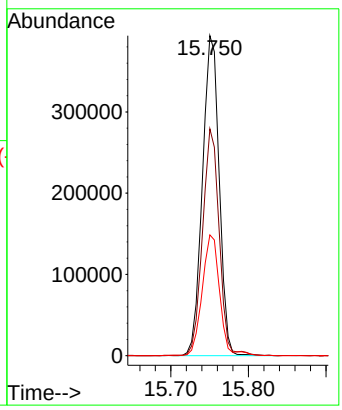




#66
n-Nitrosodiphenylamine
Concen: 79.884 ng
RT: 15.750 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:169 Resp: 59097

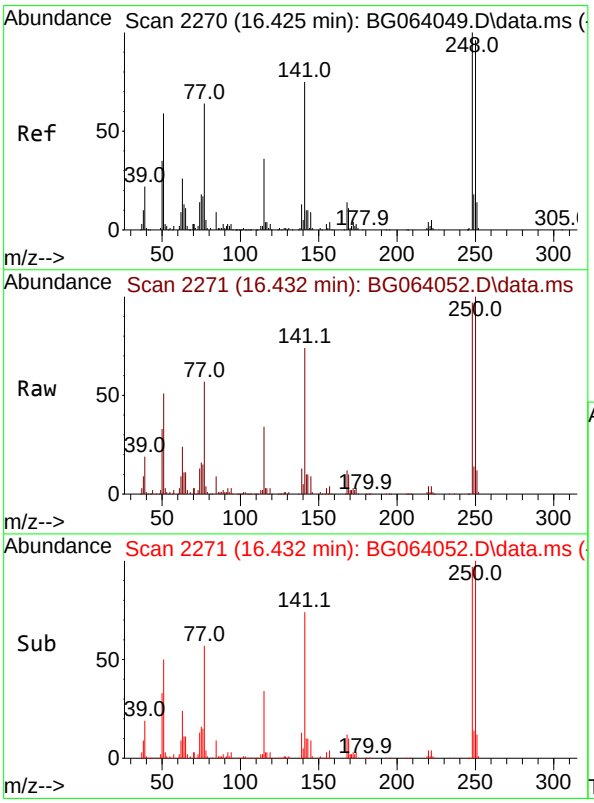
Ion	Ratio	Lower	Upper
169	100		
168	70.9	54.1	81.1
167	37.7	30.3	45.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

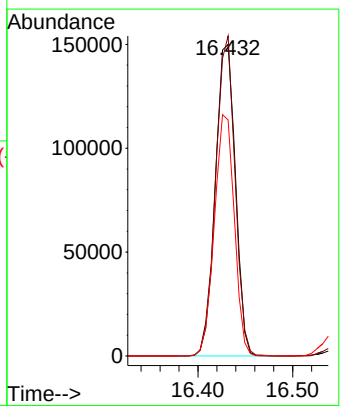
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

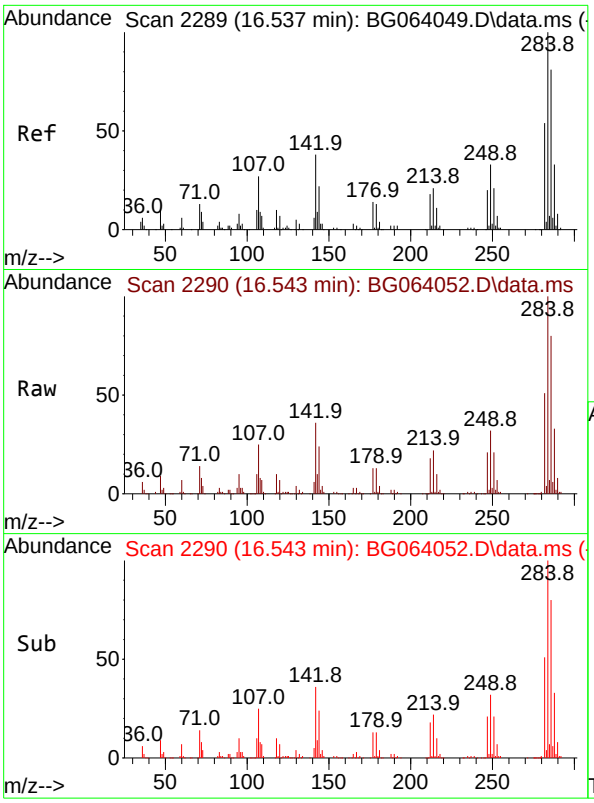


#67
4-Bromophenyl-phenylether
Concen: 83.033 ng
RT: 16.432 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:248 Resp: 222258

Ion	Ratio	Lower	Upper
248	100		
250	102.7	77.1	115.7
141	75.8	59.8	89.8

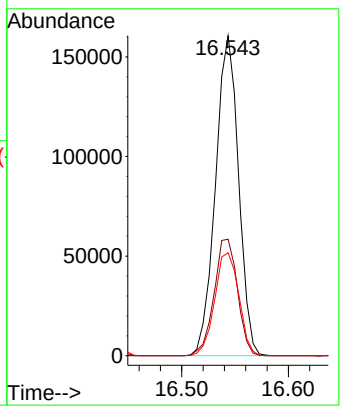




#68
Hexachlorobenzene
Concen: 80.390 ng
RT: 16.543 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:284 Resp: 24090

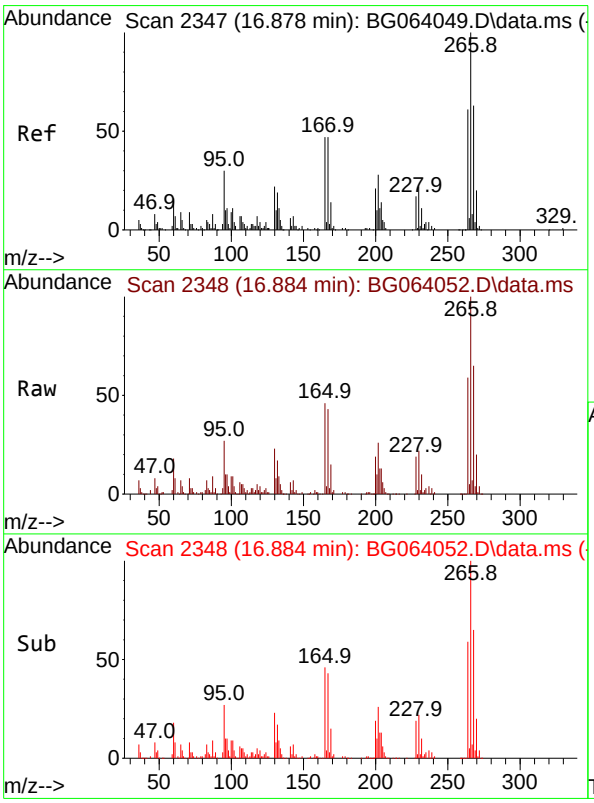
Ion	Ratio	Lower	Upper
284	100		
142	36.4	30.6	45.8
249	32.1	26.6	39.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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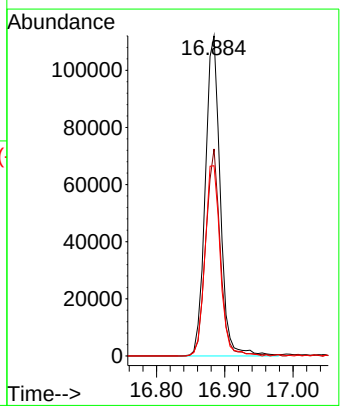
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

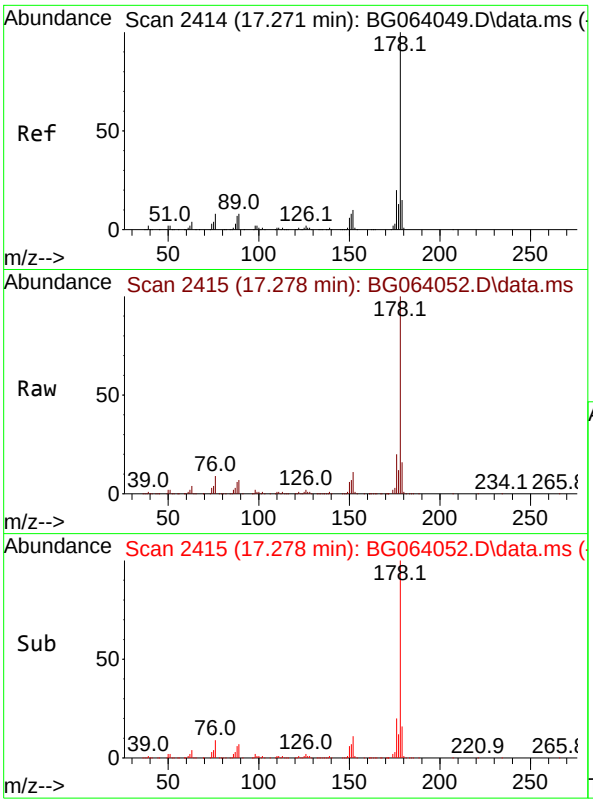


#70
Pentachlorophenol
Concen: 91.819 ng
RT: 16.884 min Scan# 2348
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:266 Resp: 170842

Ion	Ratio	Lower	Upper
266	100		
268	64.7	50.2	75.4
264	59.4	48.9	73.3

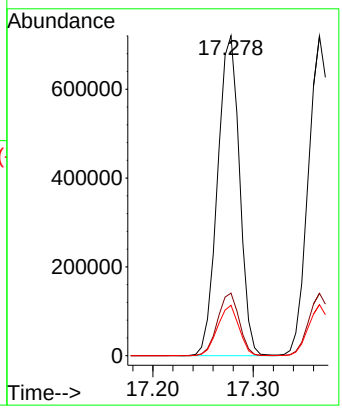




#71
Phenanthrene
Concen: 78.492 ng
RT: 17.278 min Scan# 24
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:178 Resp: 109418

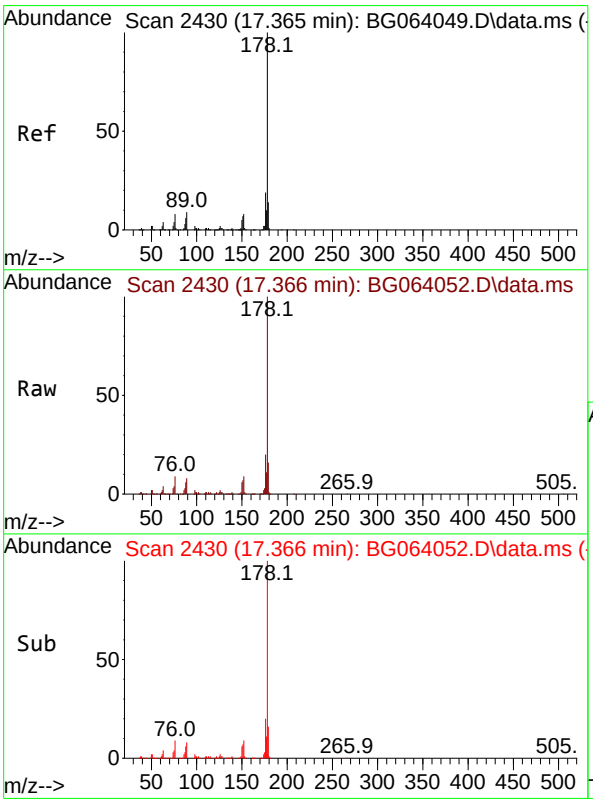
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.8	12.2	18.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

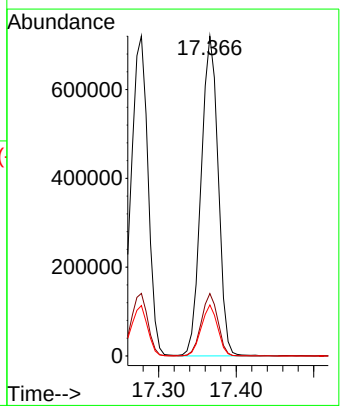
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

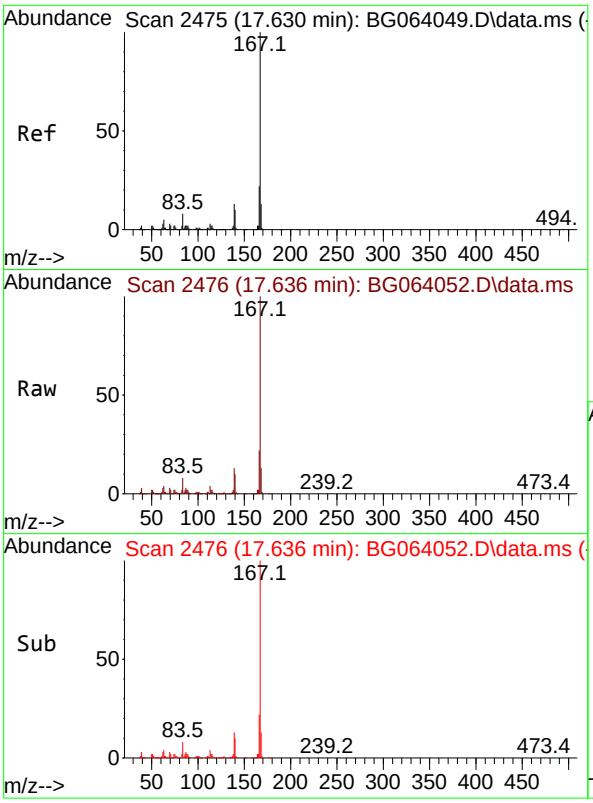


#72
Anthracene
Concen: 79.297 ng
RT: 17.366 min Scan# 2430
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:178 Resp: 1099164

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.8	22.2
179	16.0	11.5	17.3

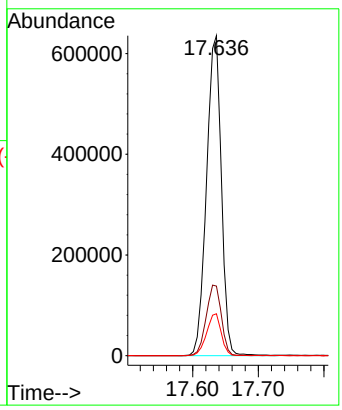




#73
Carbazole
Concen: 77.234 ng
RT: 17.636 min Scan# 24
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:167 Resp: 99954

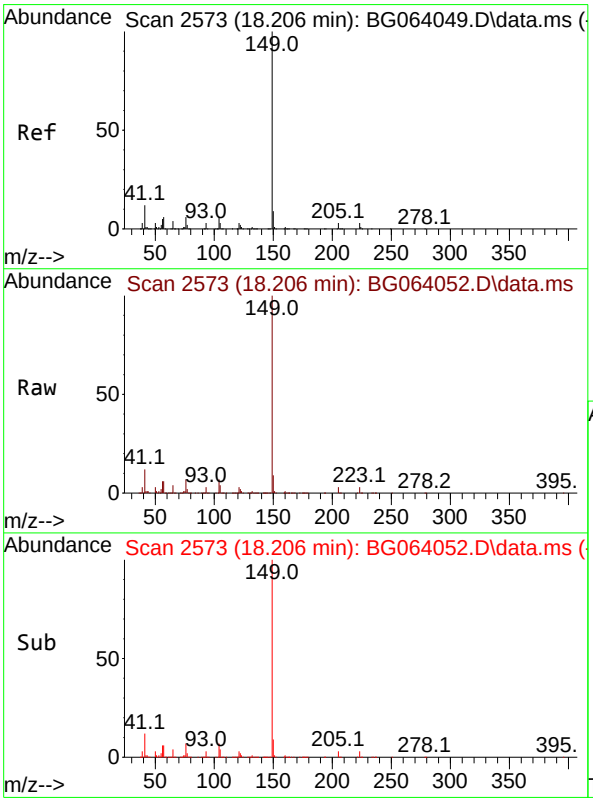
Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.0	27.0
139	13.1	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

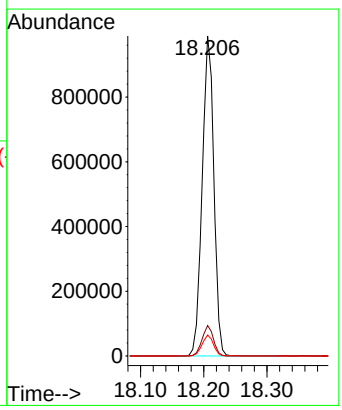
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

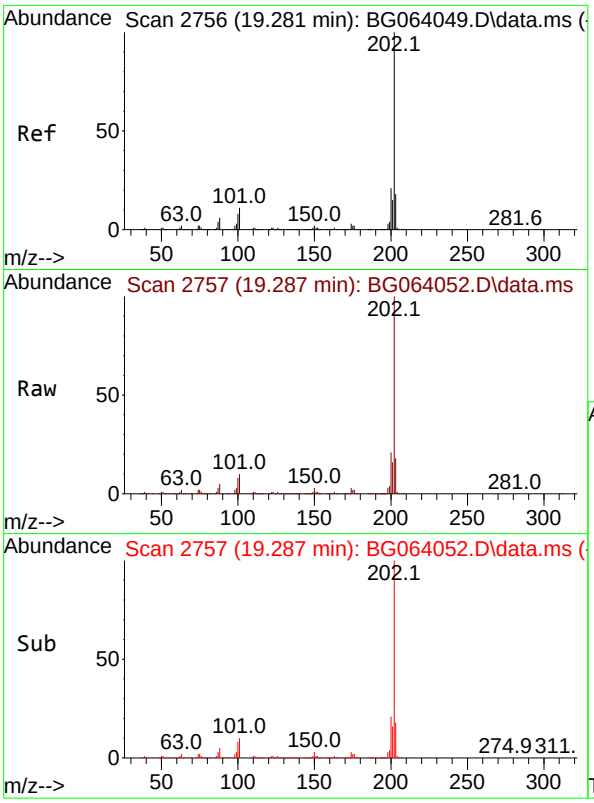


#74
Di-n-butylphthalate
Concen: 82.920 ng
RT: 18.206 min Scan# 2573
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:149 Resp: 1263186

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.0
104	6.5	5.0	7.6

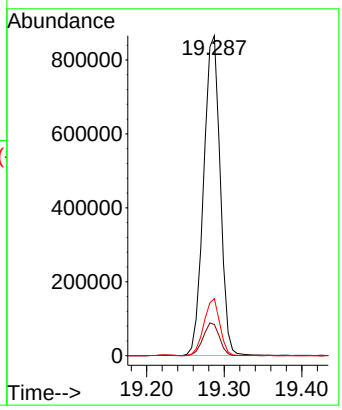




#75
Fluoranthene
Concen: 75.929 ng
RT: 19.287 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:202 Resp: 127604

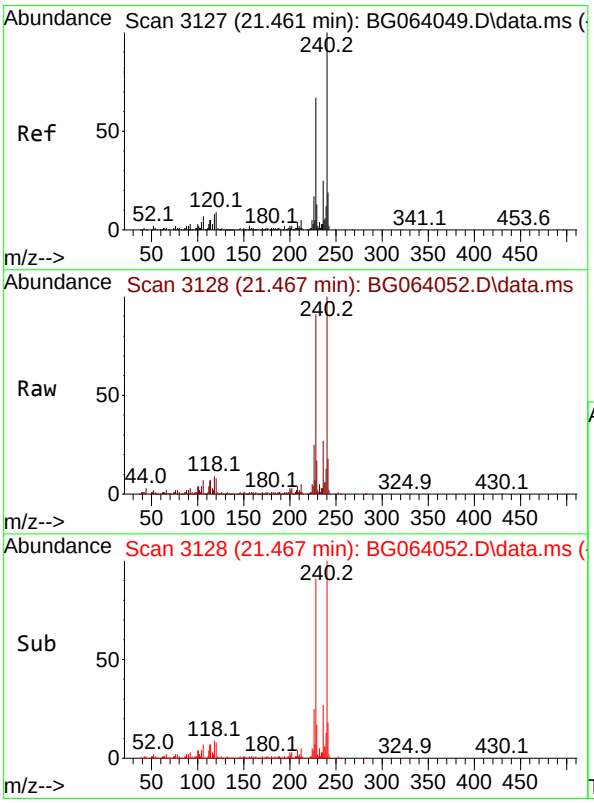
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.5
203	17.9	0.0	38.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

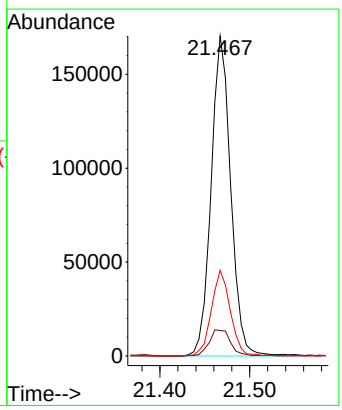
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

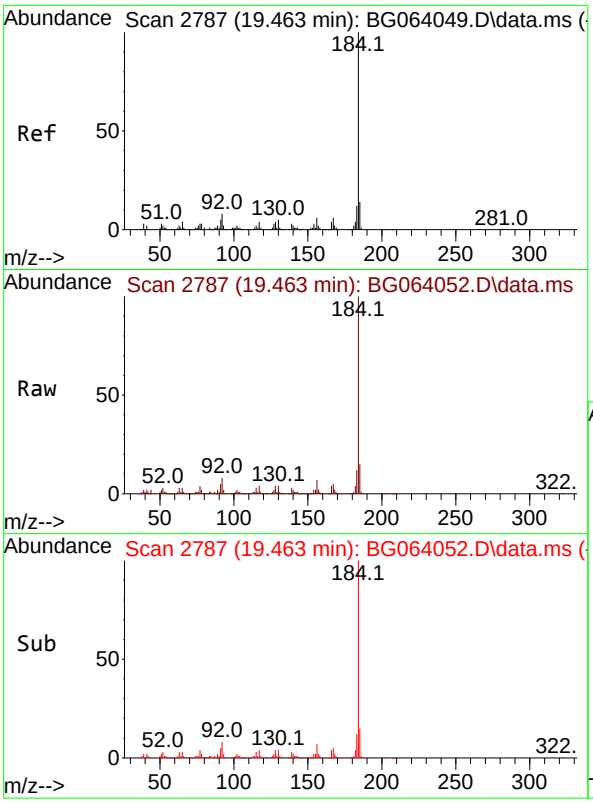


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.467 min Scan# 3128
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:240 Resp: 257789

Ion	Ratio	Lower	Upper
240	100		
120	8.0	7.2	10.8
236	26.7	20.2	30.2

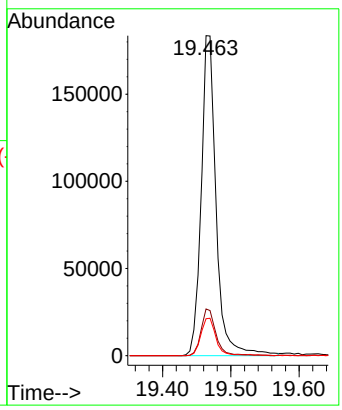




#77
Benzidine
Concen: 77.211 ng
RT: 19.463 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:184 Resp: 27941

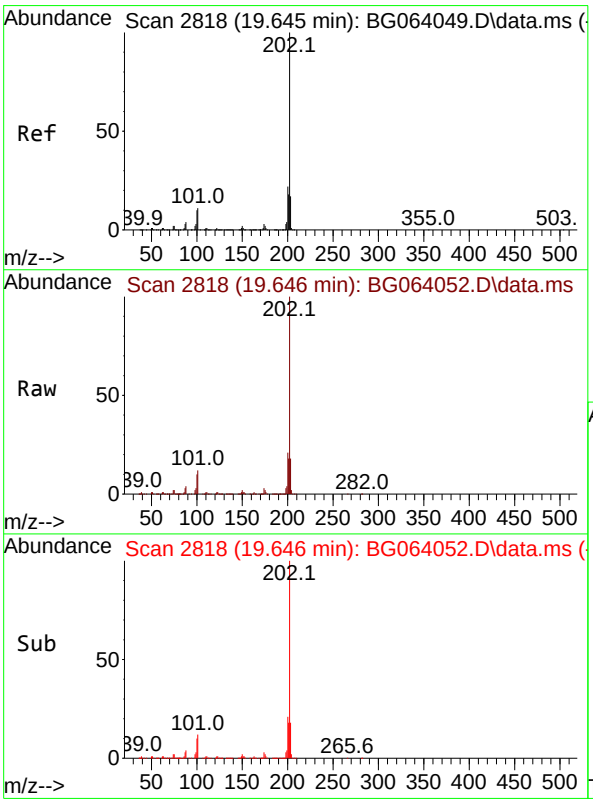
Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.3	16.9
183	11.6	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

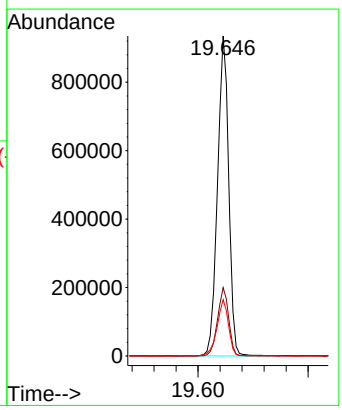
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

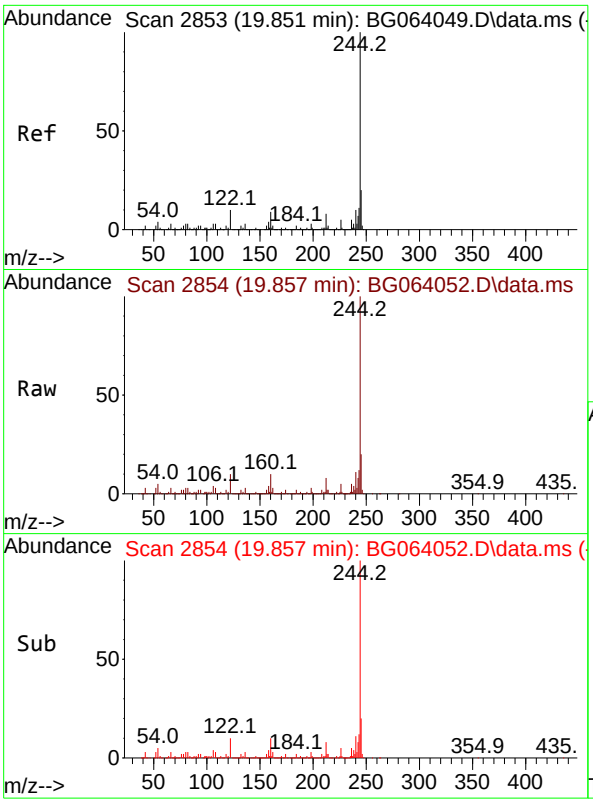


#78
Pyrene
Concen: 79.539 ng
RT: 19.646 min Scan# 2818
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:202 Resp: 1321748

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9
203	17.6	13.6	20.4

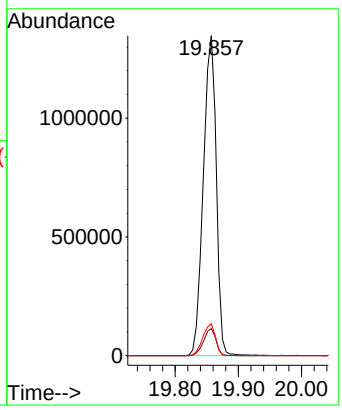




#79
Terphenyl-d14
Concen: 150.030 ng
RT: 19.857 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:244 Resp: 191276

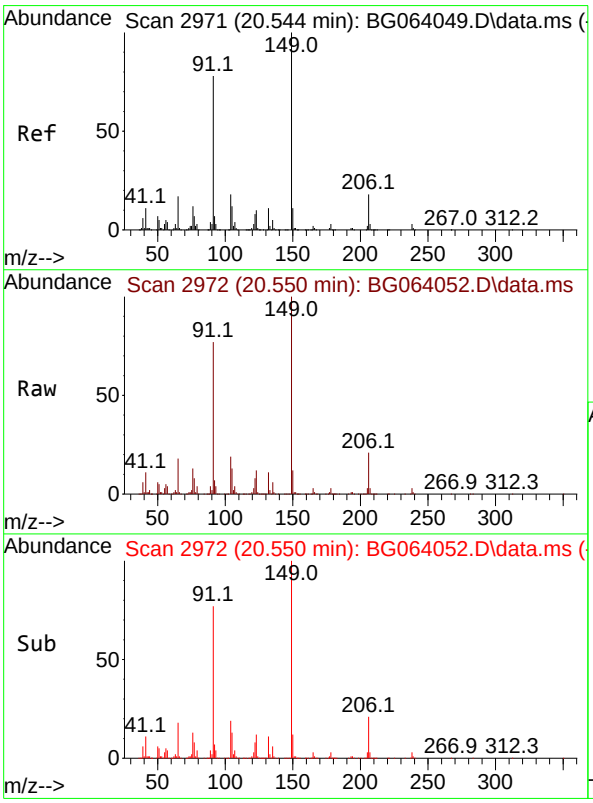
Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.2	9.4
122	10.0	8.0	12.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

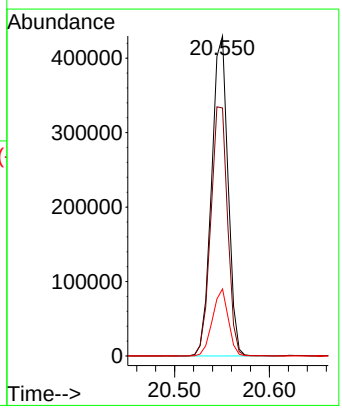
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

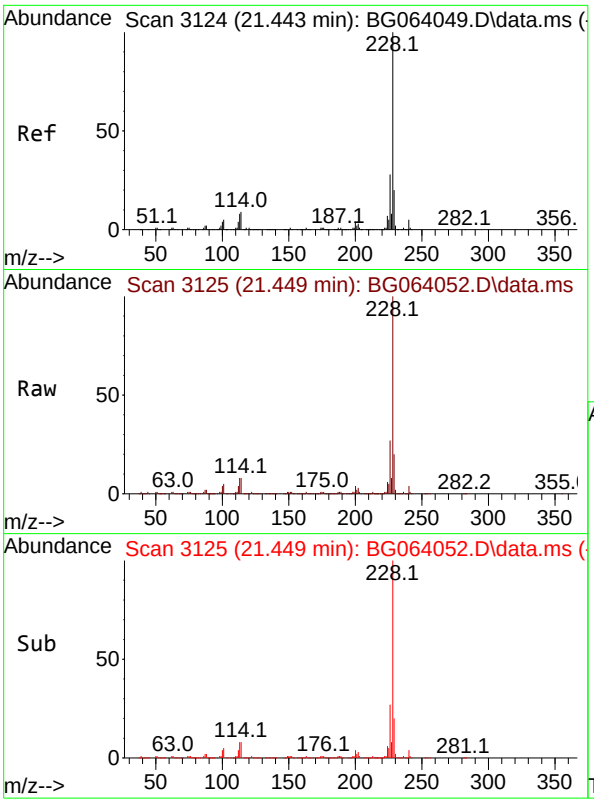


#80
Butylbenzylphthalate
Concen: 80.379 ng
RT: 20.550 min Scan# 2972
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:149 Resp: 517770

Ion	Ratio	Lower	Upper
149	100		
91	77.5	62.0	93.0
206	21.0	14.6	21.8

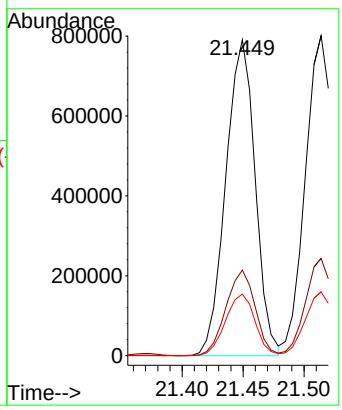




#81
Benzo(a)anthracene
Concen: 80.289 ng
RT: 21.449 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:228 Resp: 132582

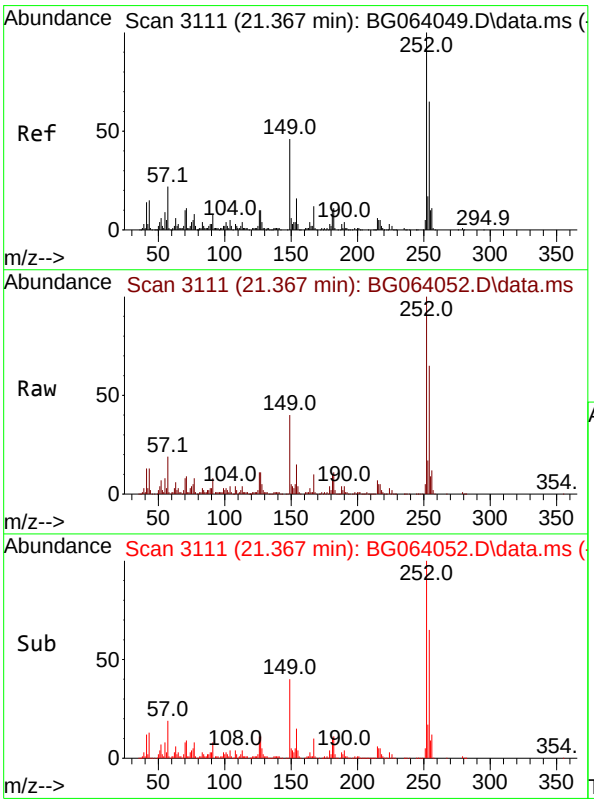
Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.2	33.2
229	19.5	16.4	24.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

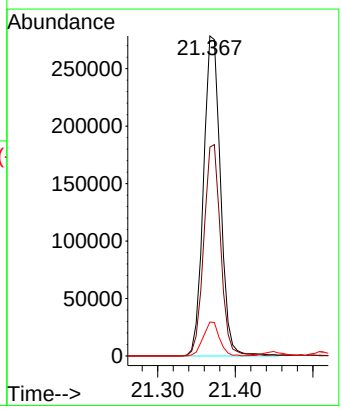
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

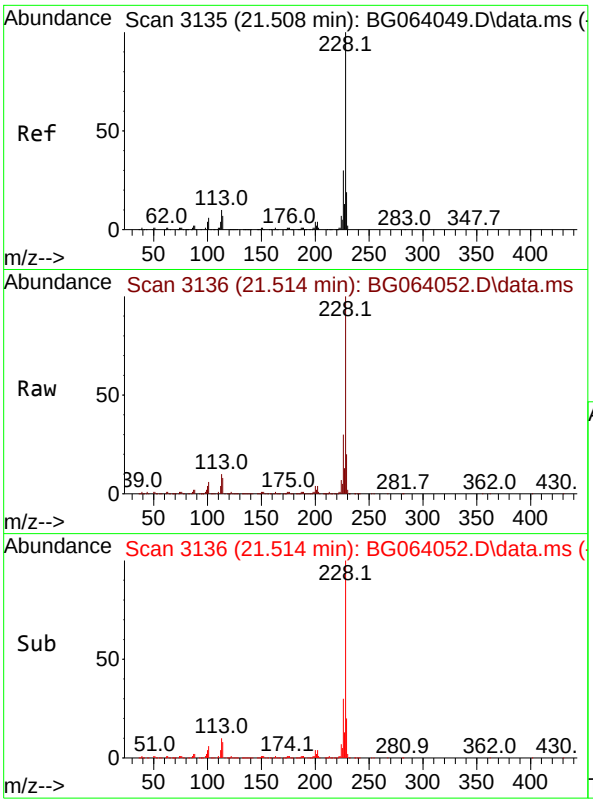


#82
3,3'-Dichlorobenzidine
Concen: 79.269 ng
RT: 21.367 min Scan# 3111
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:252 Resp: 423636

Ion	Ratio	Lower	Upper
252	100		
254	65.3	52.1	78.1
126	10.6	7.8	11.8

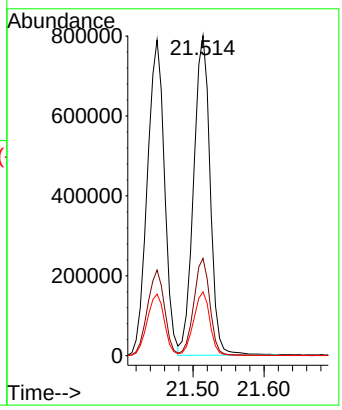




#83
Chrysene
Concen: 78.391 ng
RT: 21.514 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:228 Resp: 129108

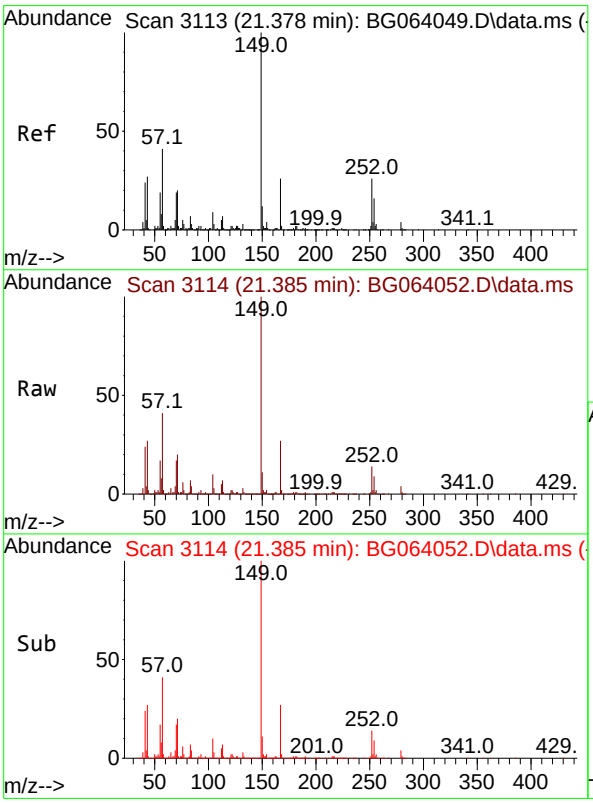
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	19.9	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

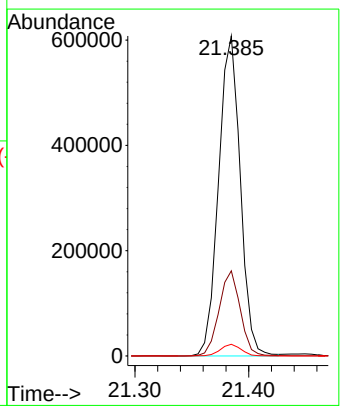
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

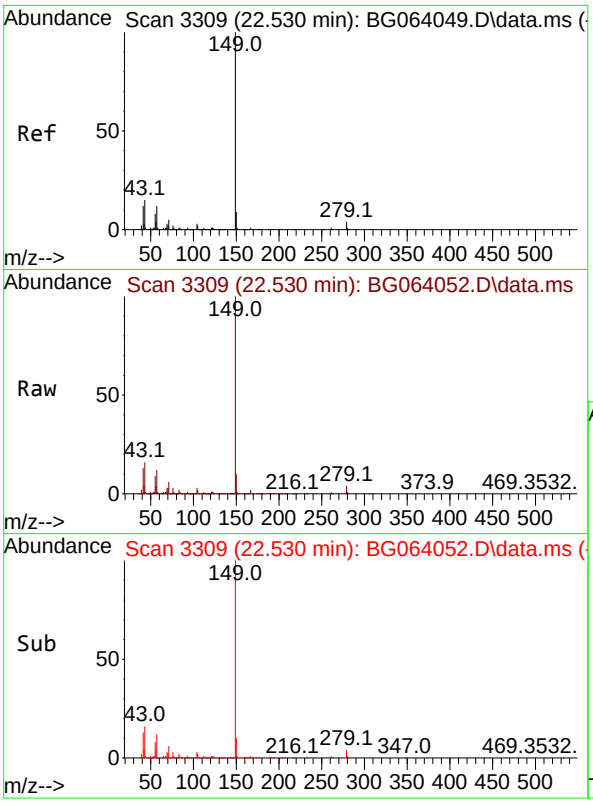


#84
Bis(2-ethylhexyl)phthalate
Concen: 90.273 ng
RT: 21.385 min Scan# 3114
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:149 Resp: 806194

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.0	31.6
279	3.6	2.8	4.2

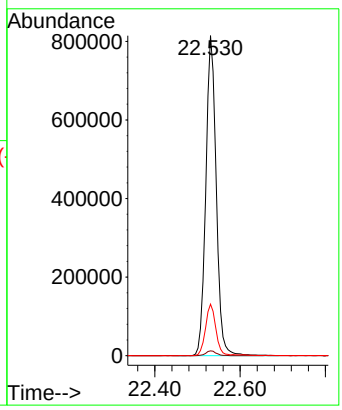




#85
Di-n-octyl phthalate
Concen: 89.556 ng
RT: 22.530 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:149 Resp: 137951

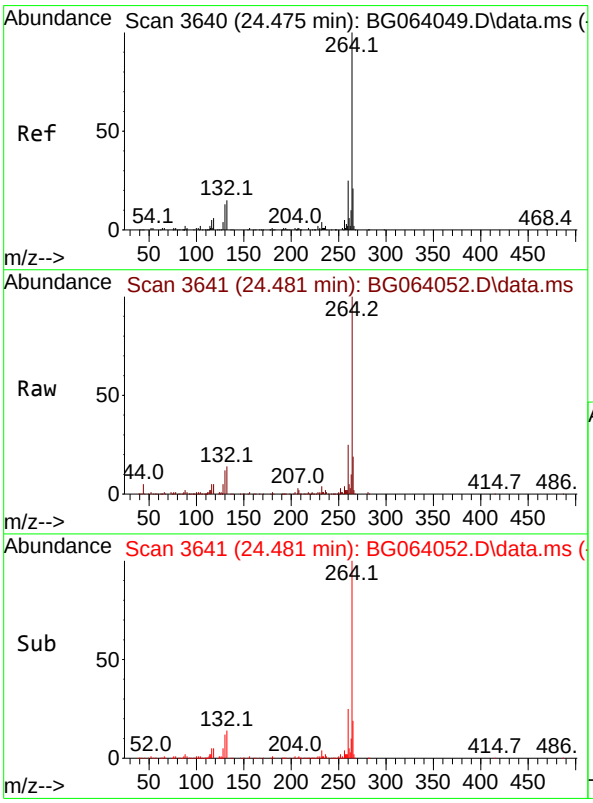
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	16.1	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

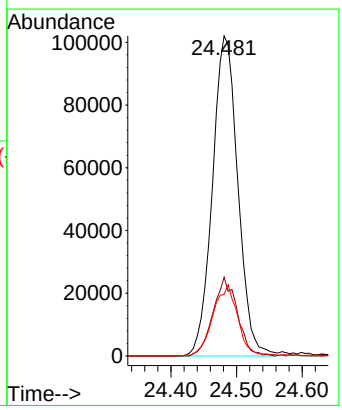
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

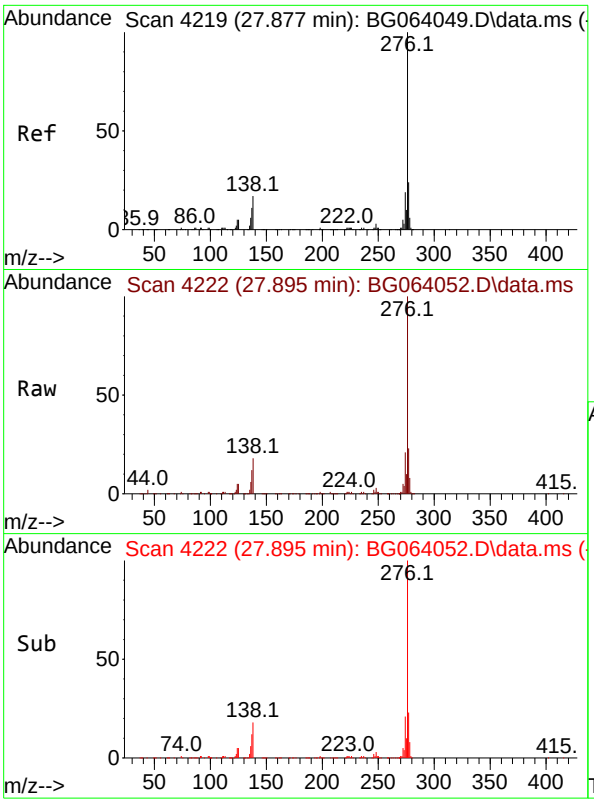


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.481 min Scan# 3641
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:264 Resp: 274554

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	19.2	16.6	25.0

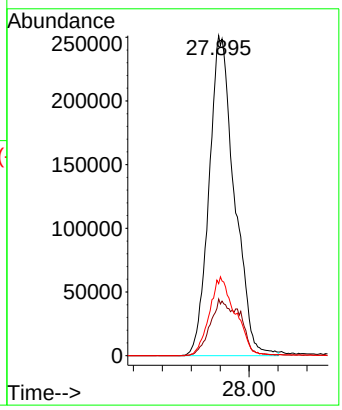




#87
Indeno(1,2,3-cd)pyrene
Concen: 83.318 ng
RT: 27.895 min Scan# 4
Delta R.T. 0.018 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:276 Resp: 153054

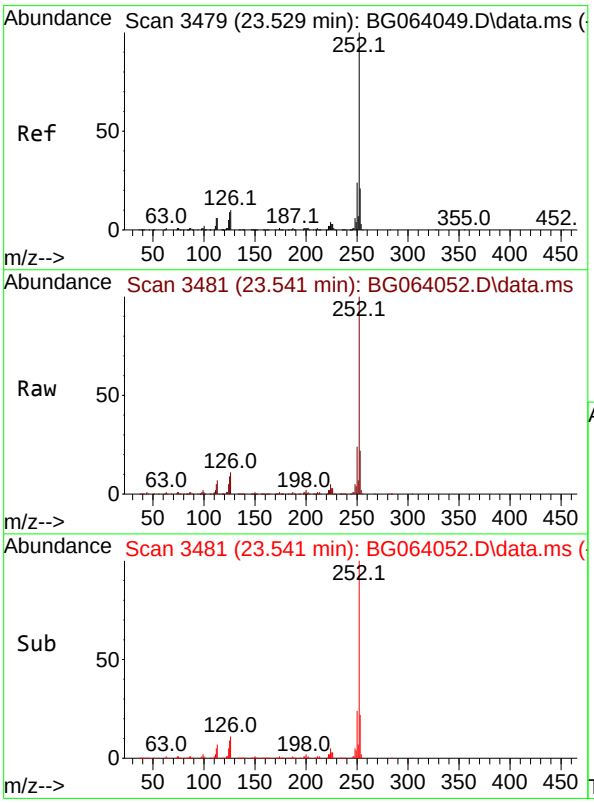
Ion	Ratio	Lower	Upper
276	100		
138	14.6	12.1	18.1
277	25.2	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

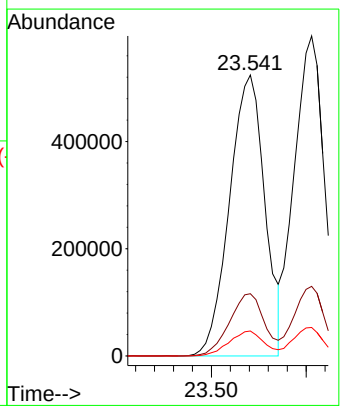
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

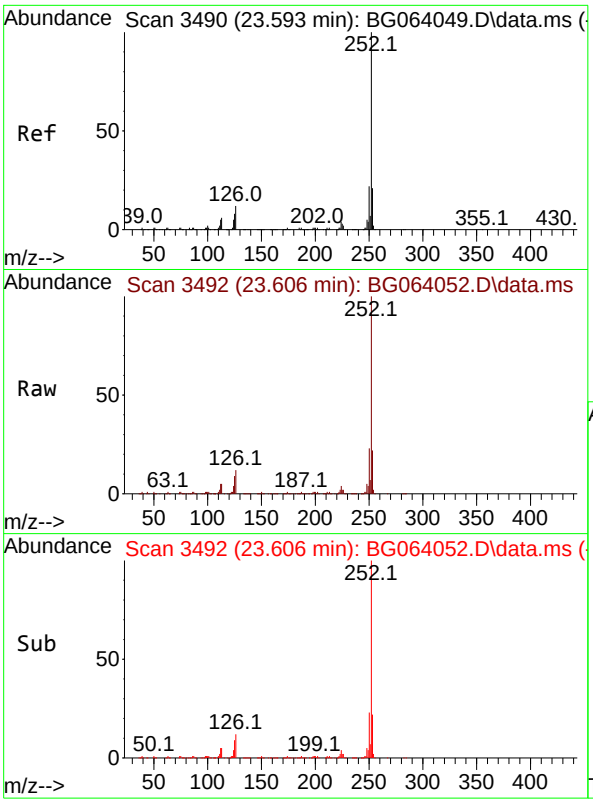


#88
Benzo(b)fluoranthene
Concen: 81.758 ng
RT: 23.541 min Scan# 3481
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:252 Resp: 1356996

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4
125	8.9	7.4	11.2

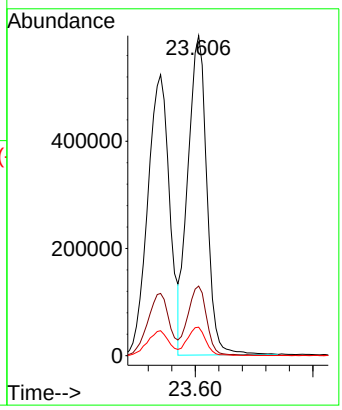




#89
Benzo(k)fluoranthene
Concen: 80.120 ng
RT: 23.606 min Scan# 34
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:252 Resp: 133408

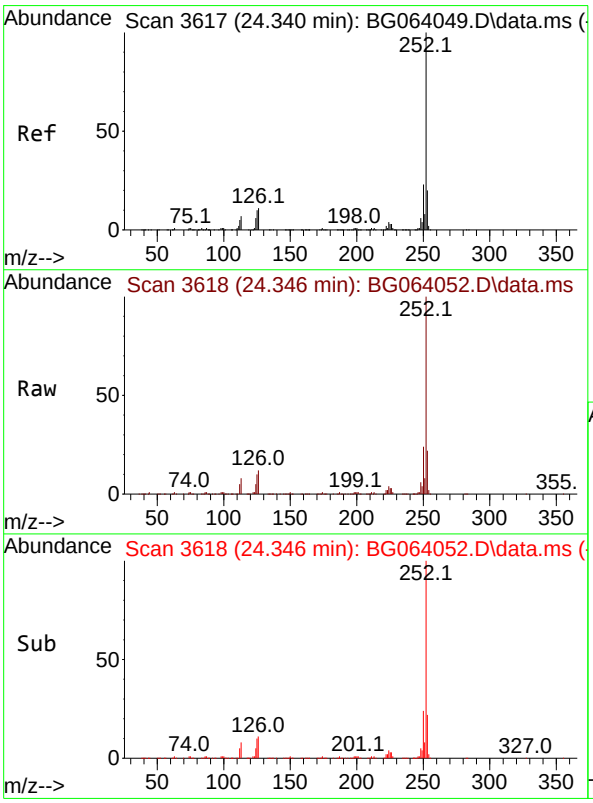
Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.8	25.2
125	8.9	6.9	10.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

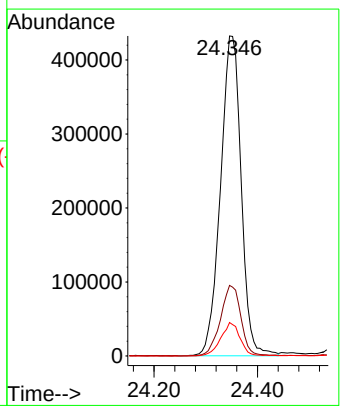
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

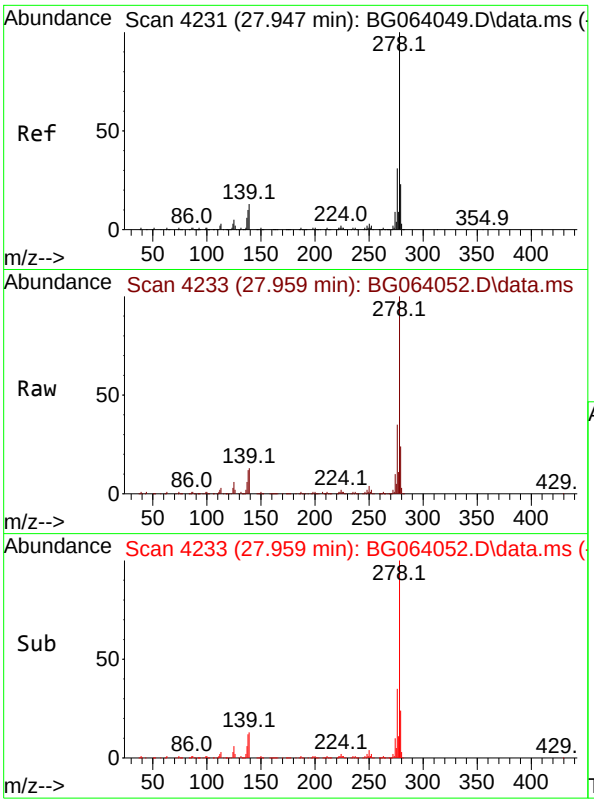


#90
Benzo(a)pyrene
Concen: 81.191 ng
RT: 24.346 min Scan# 3618
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:252 Resp: 1200152

Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.2	24.2
125	10.5	7.8	11.6

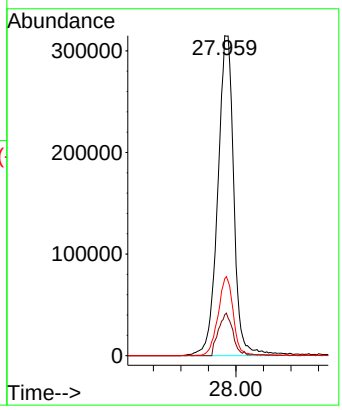




#91
Dibenzo(a,h)anthracene
Concen: 83.647 ng
RT: 27.959 min Scan# 4
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:278 Resp: 127388

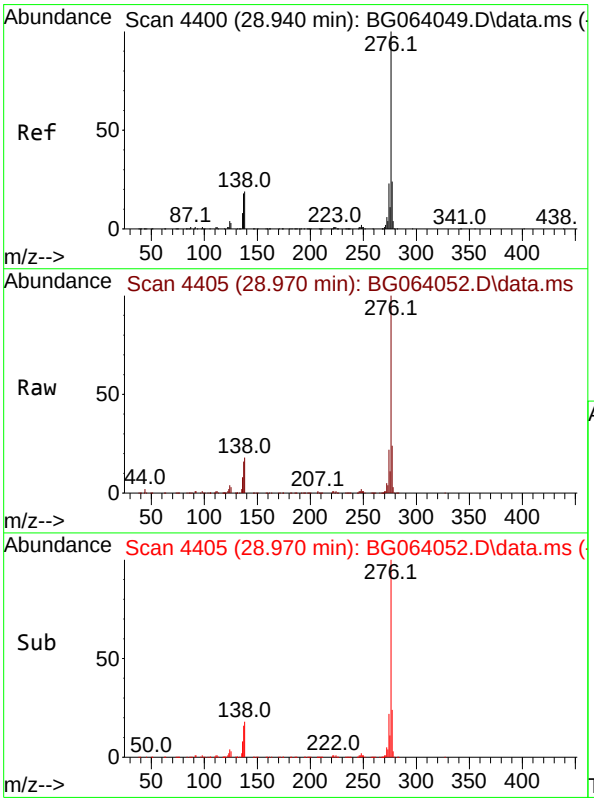
Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.2	15.2
279	24.1	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

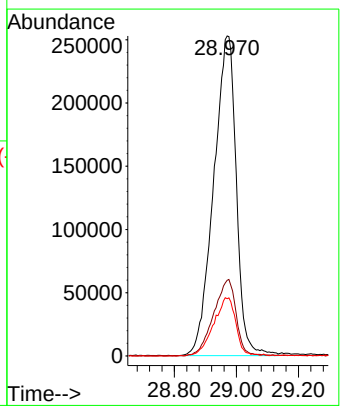
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025



#92
Benzo(g,h,i)perylene
Concen: 82.048 ng
RT: 28.970 min Scan# 4405
Delta R.T. 0.030 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:276 Resp: 1282909

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.5	29.3
138	17.9	15.4	23.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.861	152	35090	20.000	ng		0.00
21) Naphthalene-d8	10.652	136	145084	20.000	ng	#	0.00
39) Acenaphthene-d10	14.489	164	93726	20.000	ng		0.00
64) Phenanthrene-d10	17.227	188	217148	20.000	ng		0.00
76) Chrysene-d12	21.463	240	246166	20.000	ng		0.00
86) Perylene-d12	24.483	264	261789	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.446	112	177138	78.823	ng		0.00
7) Phenol-d6	7.021	99	230804	75.496	ng		0.00
23) Nitrobenzene-d5	9.013	82	221265	84.279	ng		0.00
42) 2,4,6-Tribromophenol	15.975	330	94089	90.311	ng		0.00
45) 2-Fluorobiphenyl	13.114	172	495129	80.186	ng		0.00
79) Terphenyl-d14	19.853	244	940889	77.284	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.378	88	40961	40.218	ng		97
3) Pyridine	3.760	79	98907	39.931	ng		98
4) n-Nitrosodimethylamine	3.678	42	70753	39.980	ng		94
6) Aniline	7.186	93	112627	37.544	ng		97
8) 2-Chlorophenol	7.426	128	92723	38.417	ng		97
9) Benzaldehyde	6.997	77	67720m	38.087	ng		
10) Phenol	7.050	94	121465	38.806	ng		98
11) bis(2-Chloroethyl)ether	7.285	93	90358	36.822	ng		97
12) 1,3-Dichlorobenzene	7.750	146	97739	36.876	ng		98
13) 1,4-Dichlorobenzene	7.896	146	99638	36.676	ng		98
14) 1,2-Dichlorobenzene	8.214	146	96129	36.695	ng		97
15) Benzyl Alcohol	8.096	79	89828	38.023	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.390	45	201622	36.540	ng		99
17) 2-Methylphenol	8.296	107	78276	37.680	ng		97
18) Hexachloroethane	8.942	117	37454	39.404	ng		97
19) n-Nitroso-di-n-propyla...	8.666	70	76484	35.648	ng		98
20) 3+4-Methylphenols	8.619	107	106291	37.166	ng		95
22) Acetophenone	8.678	105	156271	39.285	ng	#	99
24) Nitrobenzene	9.054	77	114521	42.208	ng		98
25) Isophorone	9.577	82	198754	37.823	ng		97
26) 2-Nitrophenol	9.765	139	36978	40.946	ng		92
27) 2,4-Dimethylphenol	9.824	122	63231	40.139	ng		97
28) bis(2-Chloroethoxy)met...	10.064	93	123038	38.620	ng		99
29) 2,4-Dichlorophenol	10.294	162	81863	41.154	ng		93
30) 1,2,4-Trichlorobenzene	10.517	180	93175	38.802	ng		93
31) Naphthalene	10.699	128	308258	39.402	ng		98
32) Benzoic acid	9.953	122	51607m	37.906	ng		
33) 4-Chloroaniline	10.805	127	114228	39.949	ng		98
34) Hexachlorobutadiene	10.993	225	62517	39.720	ng		99
35) Caprolactam	11.563	113	32080	42.084	ng	#	85
36) 4-Chloro-3-methylphenol	11.927	107	103382	39.649	ng		96
37) 2-Methylnaphthalene	12.309	142	212431	38.463	ng		97
38) 1-Methylnaphthalene	12.532	142	209530	38.724	ng		94
40) 1,2,4,5-Tetrachloroben...	12.679	216	106041	39.630	ng		95
41) Hexachlorocyclopentadiene	12.667	237	33041	43.873	ng		98
43) 2,4,6-Trichlorophenol	12.914	196	66496	42.165	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.985	196	74580	42.561	ng		95
46) 1,1'-Biphenyl	13.325	154	284632	40.196	ng		98
47) 2-Chloronaphthalene	13.361	162	208172	40.309	ng		97
48) 2-Nitroaniline	13.560	65	68823	41.405	ng		98
49) Acenaphthylene	14.207	152	331135	40.537	ng		100
50) Dimethylphthalate	13.948	163	274751	39.712	ng		99
51) 2,6-Dinitrotoluene	14.060	165	56243	40.625	ng		99
52) Acenaphthene	14.553	154	221628m	40.428	ng		
53) 3-Nitroaniline	14.389	138	60229	45.042	ng		97
54) 2,4-Dinitrophenol	14.589	184	21627	41.197	ng		86
55) Dibenzofuran	14.888	168	355364	40.014	ng		99
56) 4-Nitrophenol	14.688	139	53310	47.537	ng		96
57) 2,4-Dinitrotoluene	14.847	165	80269	41.944	ng	#	97
58) Fluorene	15.535	166	279465	40.403	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.111	232	73574	43.068	ng		96
60) Diethylphthalate	15.317	149	309434	41.198	ng		99
61) 4-Chlorophenyl-phenyle...	15.535	204	135318	39.367	ng		95
62) 4-Nitroaniline	15.546	138	65797	45.576	ng		91
63) Azobenzene	15.822	77	321688	40.137	ng		99
65) 4,6-Dinitro-2-methylph...	15.611	198	35775	39.817	ng		95
66) n-Nitrosodiphenylamine	15.746	169	241241	39.248	ng		99
67) 4-Bromophenyl-phenylether	16.428	248	88452	39.772	ng		97
68) Hexachlorobenzene	16.539	284	96136	38.611	ng		97
69) Atrazine	16.692	200	69821	38.607	ng		95
70) Pentachlorophenol	16.880	266	66504	43.019	ng		97
71) Phenanthrene	17.274	178	463029	39.978	ng		97
72) Anthracene	17.362	178	463897	40.280	ng		99
73) Carbazole	17.626	167	449805	41.831	ng		99
74) Di-n-butylphthalate	18.208	149	565797	44.702	ng		99
75) Fluoranthene	19.283	202	588493	42.146	ng		97
77) Benzidine	19.465	184	127428	37.383	ng		98
78) Pyrene	19.641	202	608668	38.357	ng		99
80) Butylbenzylphthalate	20.546	149	238653	40.680	ng		96
81) Benzo(a)anthracene	21.445	228	624403	39.598	ng		98
82) 3,3'-Dichlorobenzidine	21.369	252	209761	41.103	ng		99
83) Chrysene	21.504	228	611410	38.876	ng		99
84) Bis(2-ethylhexyl)phtha...	21.381	149	379928	44.551	ng		99
85) Di-n-octyl phthalate	22.532	149	627920	42.688	ng		100
87) Indeno(1,2,3-cd)pyrene	27.885	276	699194	39.918	ng		100
88) Benzo(b)fluoranthene	23.531	252	615644	38.901	ng		99
89) Benzo(k)fluoranthene	23.596	252	620446	39.079	ng		98
90) Benzo(a)pyrene	24.342	252	546383	38.765	ng		99
91) Dibenzo(a,h)anthracene	27.949	278	583198	40.162	ng		98
92) Benzo(g,h,i)perylene	28.936	276	592494	39.740	ng		98

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

ICAL Form

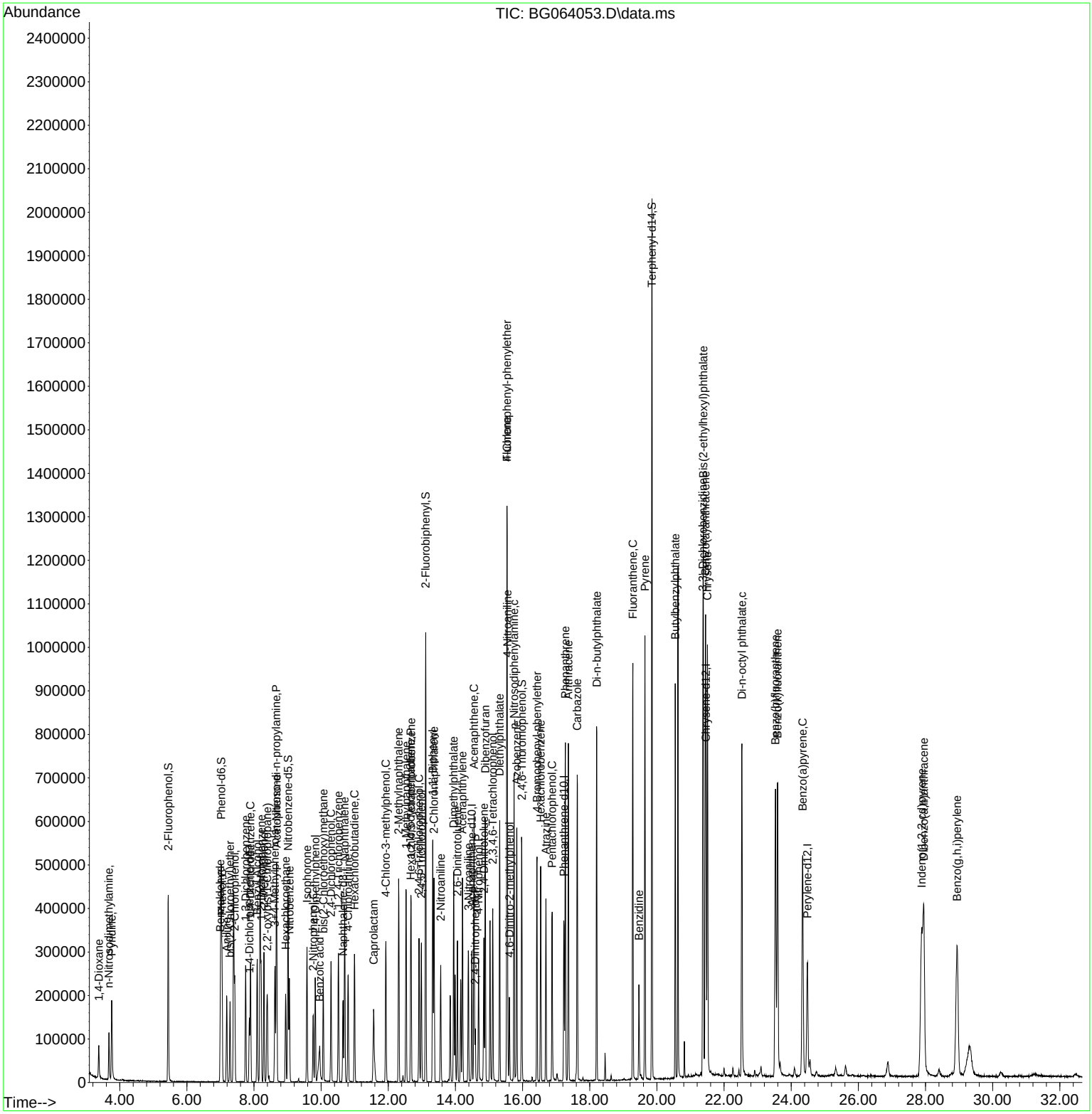
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Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

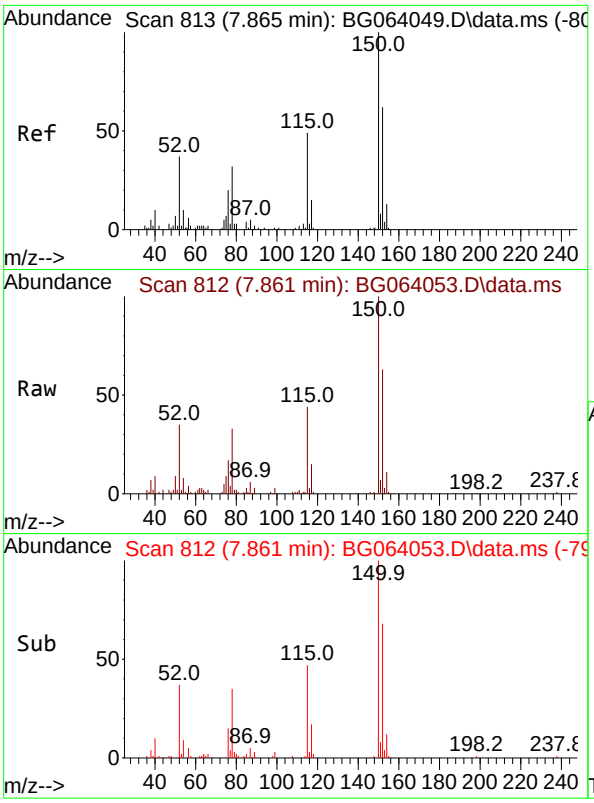
Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

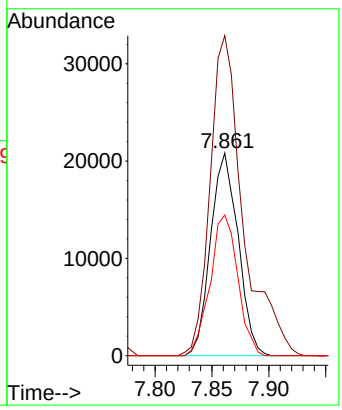




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:152 Resp: 3509

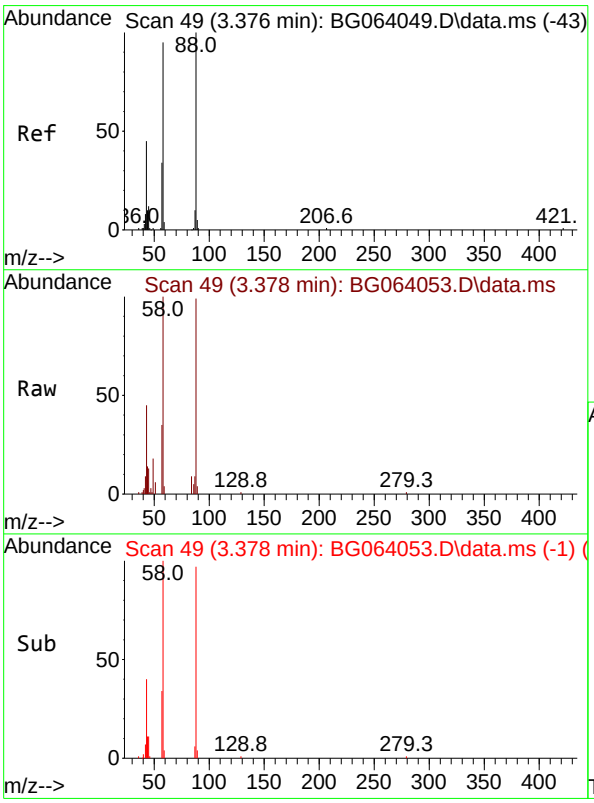
Ion	Ratio	Lower	Upper
152	100		
150	158.0	129.2	193.8
115	69.5	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

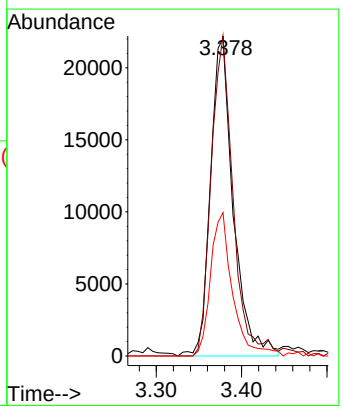
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

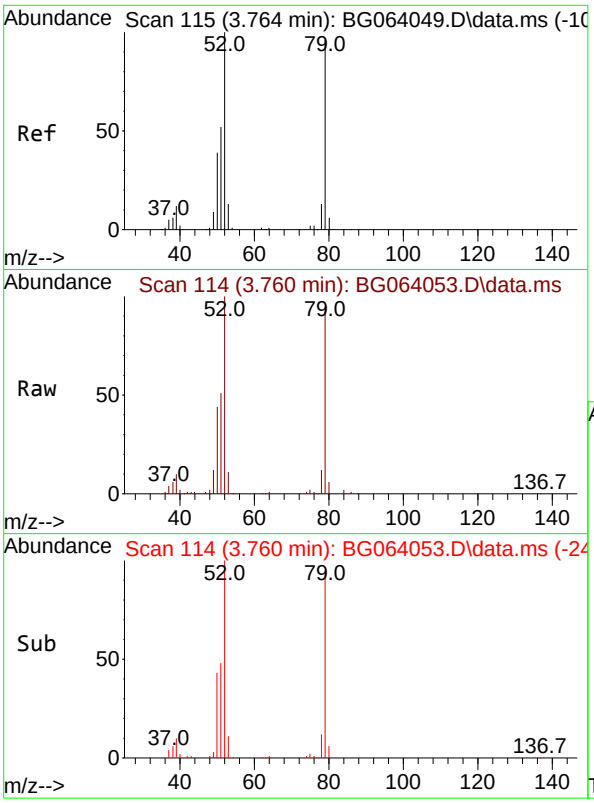


#2
1,4-Dioxane
Concen: 40.218 ng
RT: 3.378 min Scan# 49
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 88 Resp: 40961

Ion	Ratio	Lower	Upper
88	100		
58	96.9	74.6	111.8
43	43.3	35.5	53.3

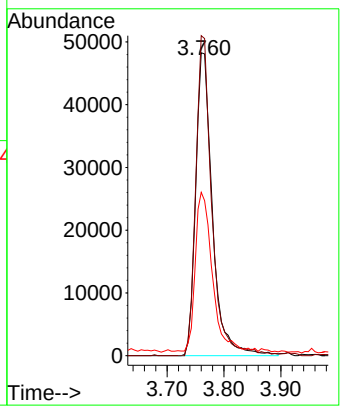




#3
Pyridine
Concen: 39.931 ng
RT: 3.760 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 79 Resp: 9890

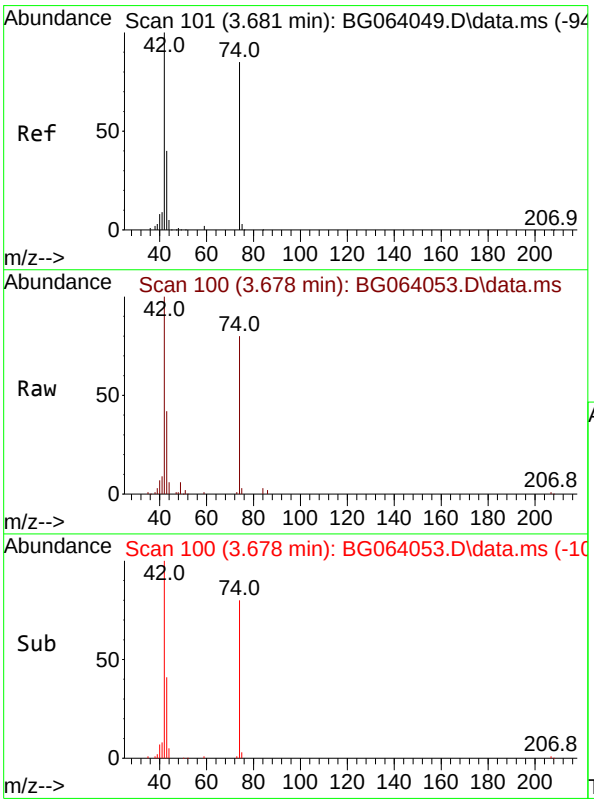
Ion	Ratio	Lower	Upper
79	100		
52	105.6	83.0	124.6
51	54.0	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

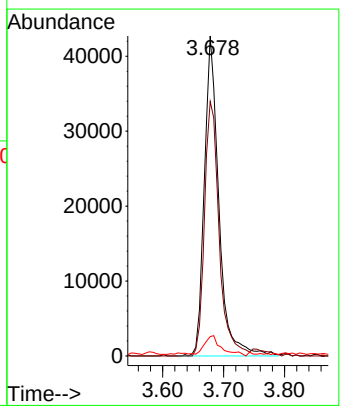
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

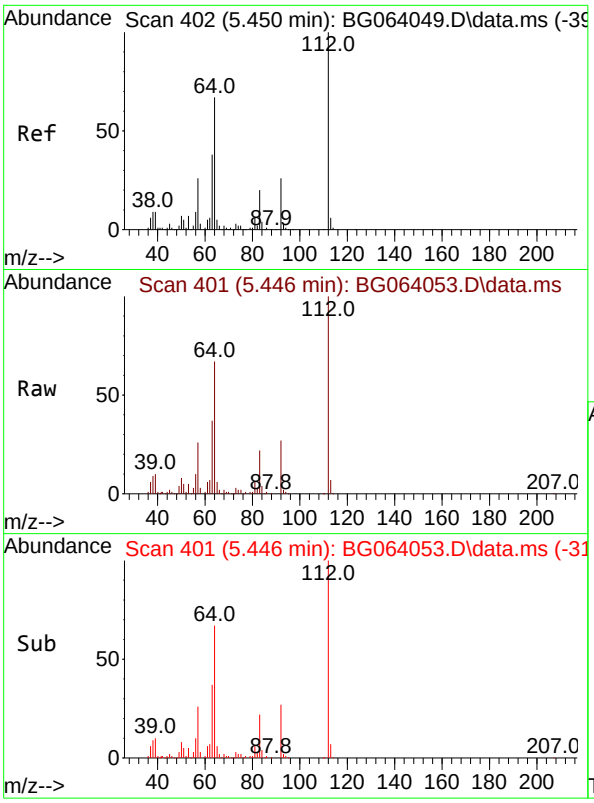


#4
n-Nitrosodimethylamine
Concen: 39.980 ng
RT: 3.678 min Scan# 100
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 42 Resp: 70753

Ion	Ratio	Lower	Upper
42	100		
74	79.5	68.0	102.0
44	6.0	4.9	7.3

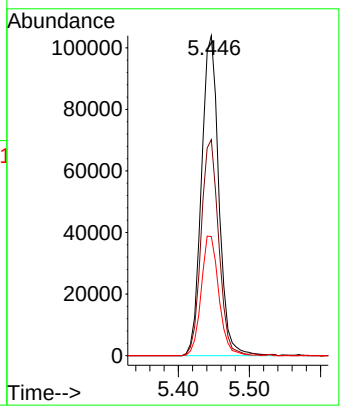




#5
2-Fluorophenol
Concen: 78.823 ng
RT: 5.446 min Scan# 4(
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:112 Resp: 17713

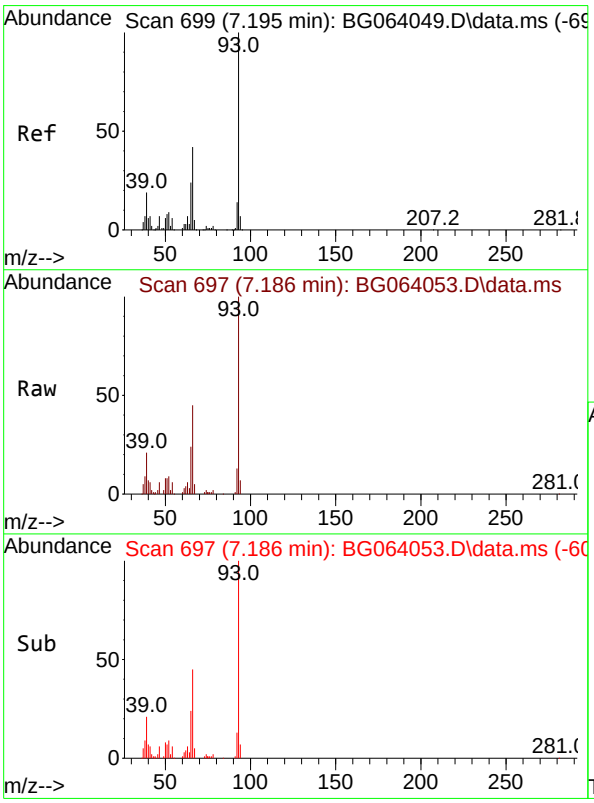
Ion	Ratio	Lower	Upper
112	100		
64	67.5	53.7	80.5
63	37.2	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

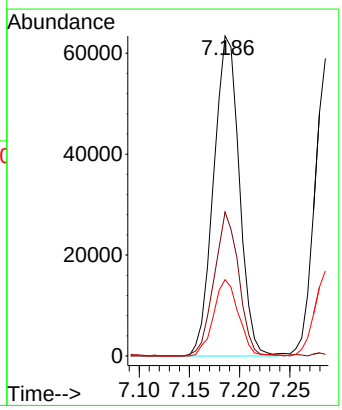
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

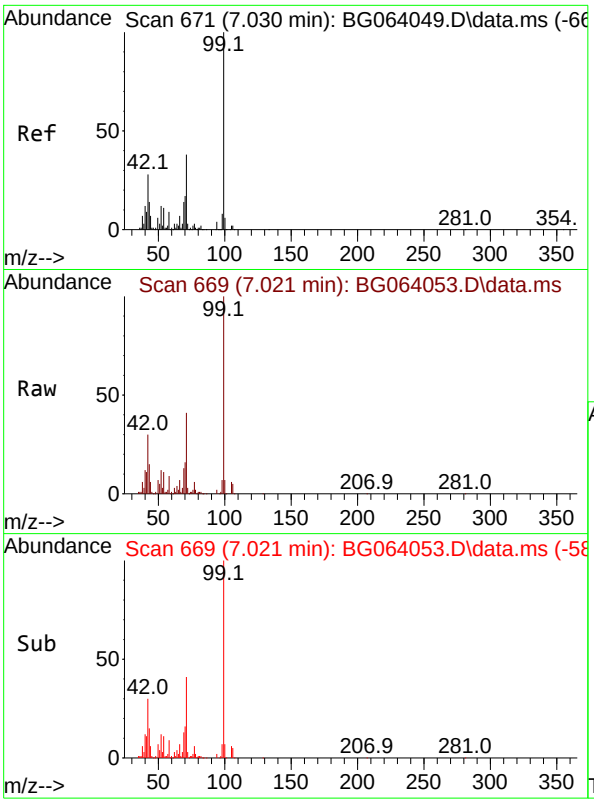


#6
Aniline
Concen: 37.544 ng
RT: 7.186 min Scan# 697
Delta R.T. -0.009 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 93 Resp: 112627

Ion	Ratio	Lower	Upper
93	100		
66	45.0	33.7	50.5
65	23.8	19.1	28.7

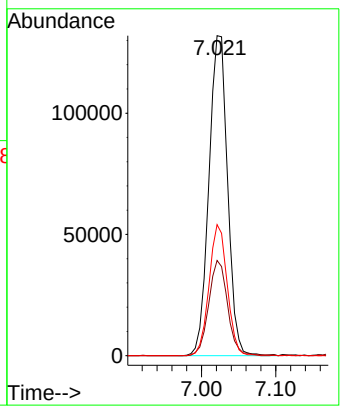




#7
Phenol-d6
Concen: 75.496 ng
RT: 7.021 min Scan# 6
Delta R.T. -0.009 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 99 Resp: 23080

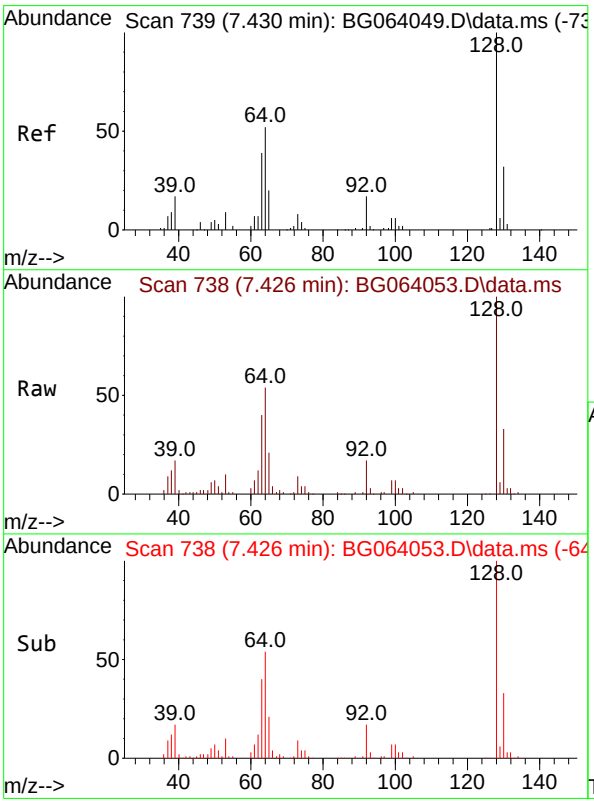
Ion	Ratio	Lower	Upper
99	100		
42	29.8	22.7	34.1
71	41.0	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

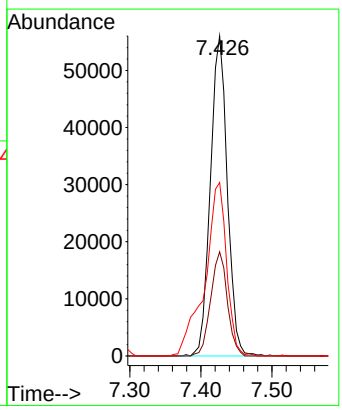
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

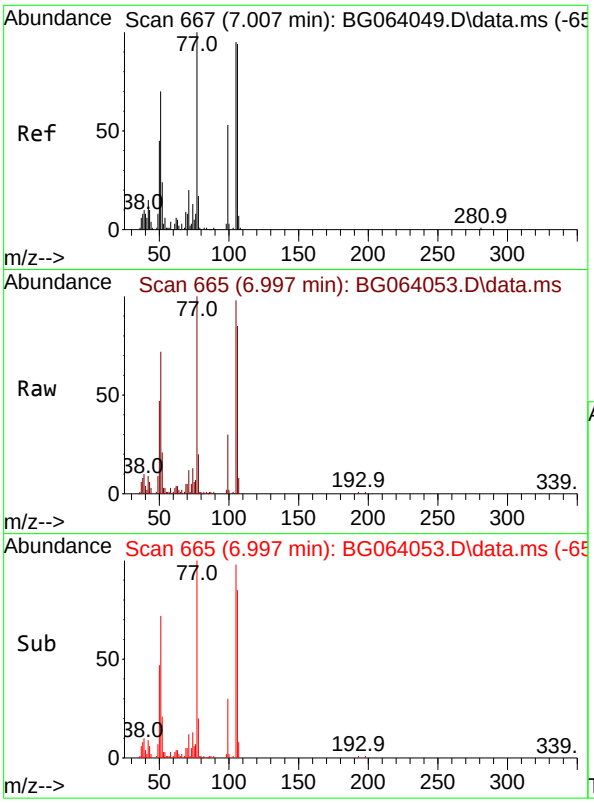


#8
2-Chlorophenol
Concen: 38.417 ng
RT: 7.426 min Scan# 738
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:128 Resp: 92723

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.3	52.3
64	54.2	37.0	77.0

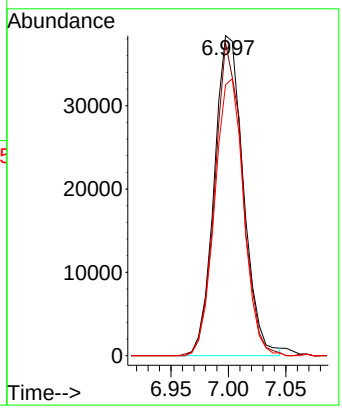




#9
Benzaldehyde
Concen: 38.087 ng m
RT: 6.997 min Scan# 6
Delta R.T. -0.010 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 77 Resp: 6772

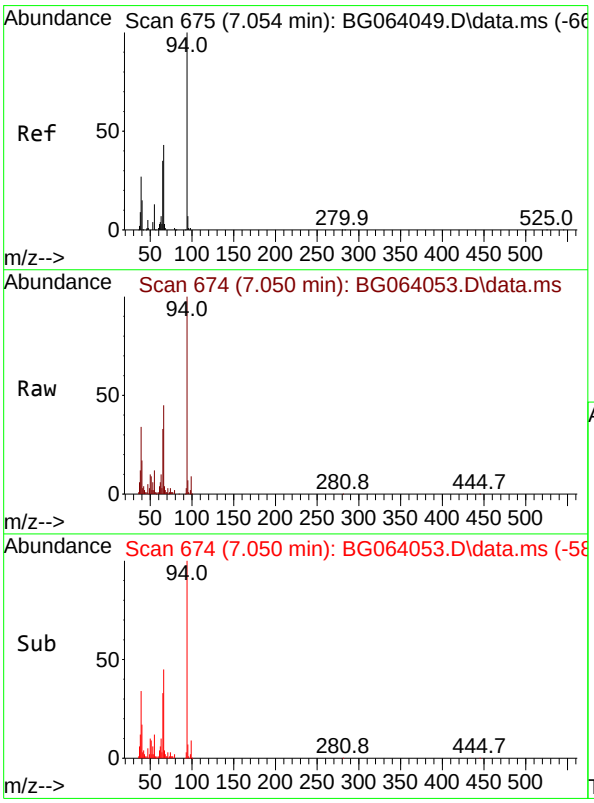
Ion	Ratio	Lower	Upper
77	100		
105	97.8	75.5	115.5
106	84.6	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

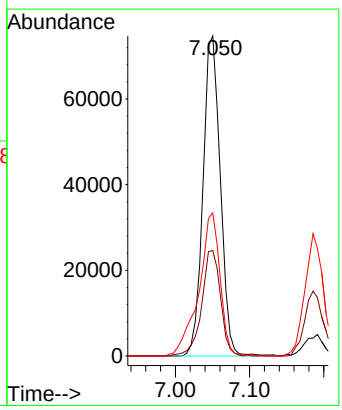
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

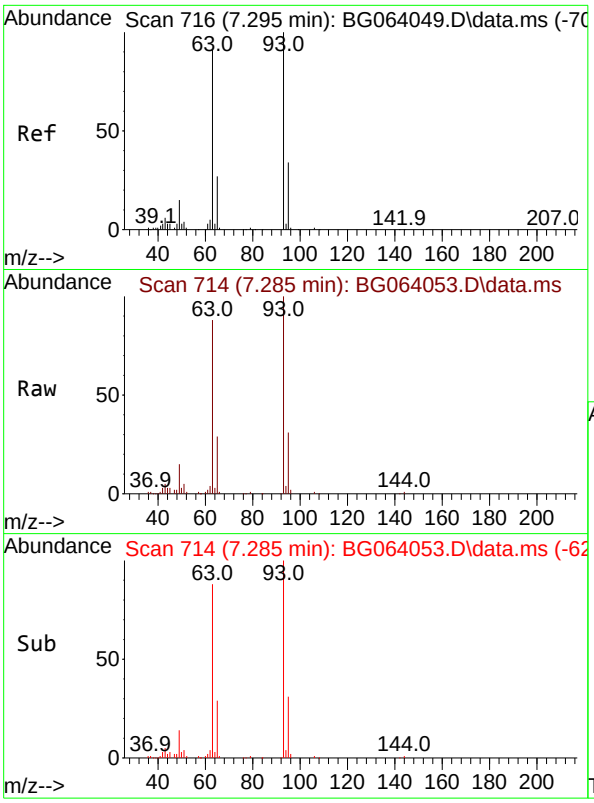


#10
Phenol
Concen: 38.806 ng
RT: 7.050 min Scan# 674
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 94 Resp: 121465

Ion	Ratio	Lower	Upper
94	100		
65	33.0	15.2	55.2
66	44.7	25.1	65.1

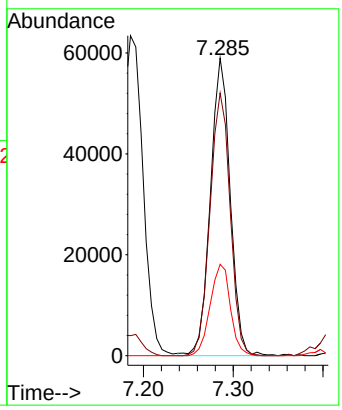




#11
bis(2-Chloroethyl)ether
Concen: 36.822 ng
RT: 7.285 min Scan# 7
Delta R.T. -0.009 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 93 Resp: 9035

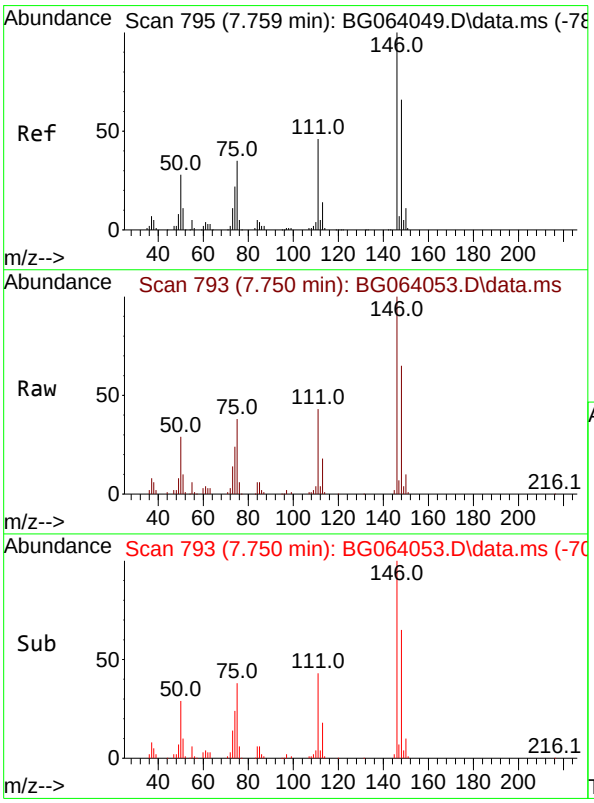
Ion	Ratio	Lower	Upper
93	100		
63	88.3	70.0	110.0
95	30.7	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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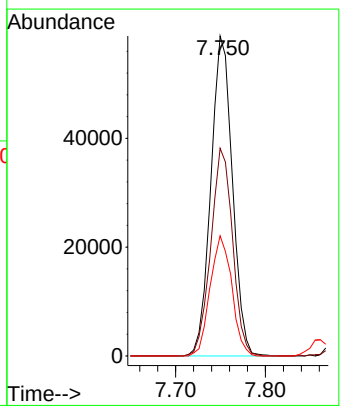
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

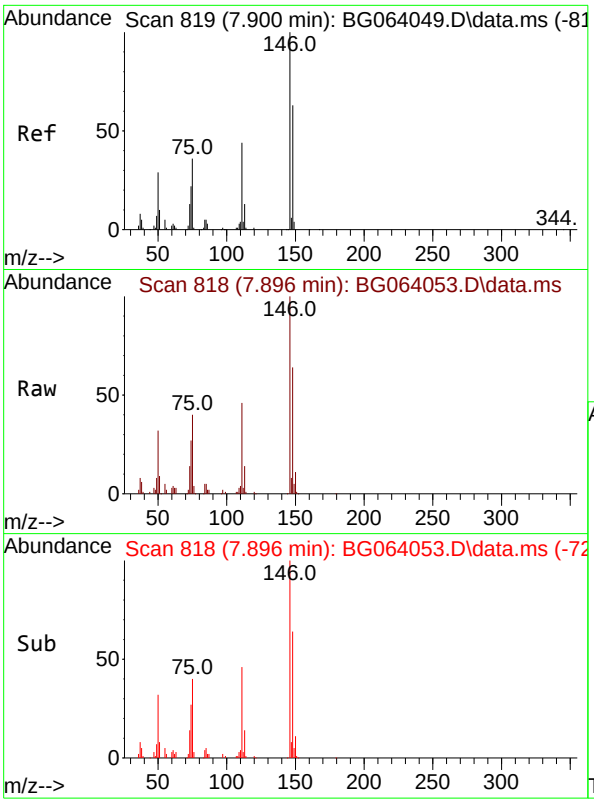


#12
1,3-Dichlorobenzene
Concen: 36.876 ng
RT: 7.750 min Scan# 793
Delta R.T. -0.009 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:146 Resp: 97739

Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.6	78.8
75	37.6	28.1	42.1

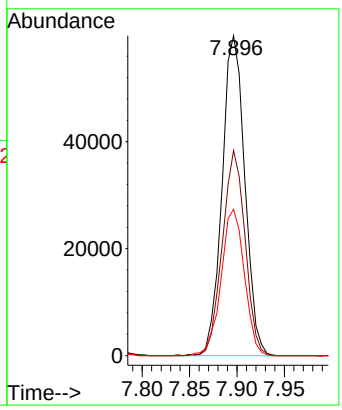




#13
1,4-Dichlorobenzene
Concen: 36.676 ng
RT: 7.896 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:146 Resp: 9963

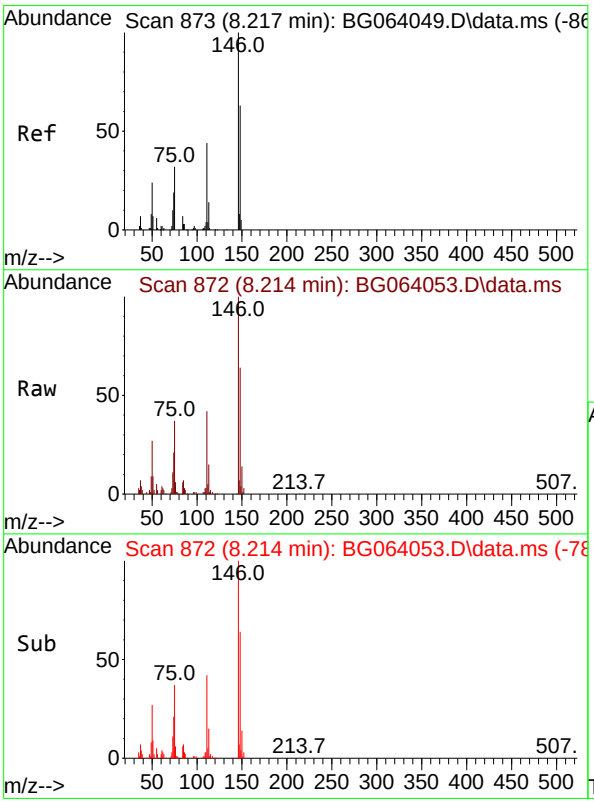
Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	75.8
111	45.8	35.1	52.7



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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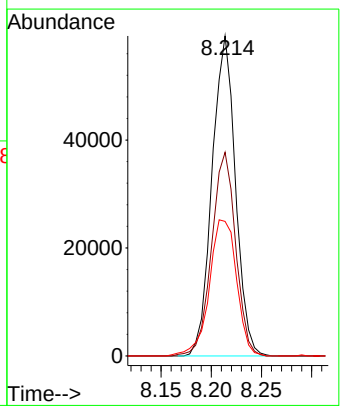
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

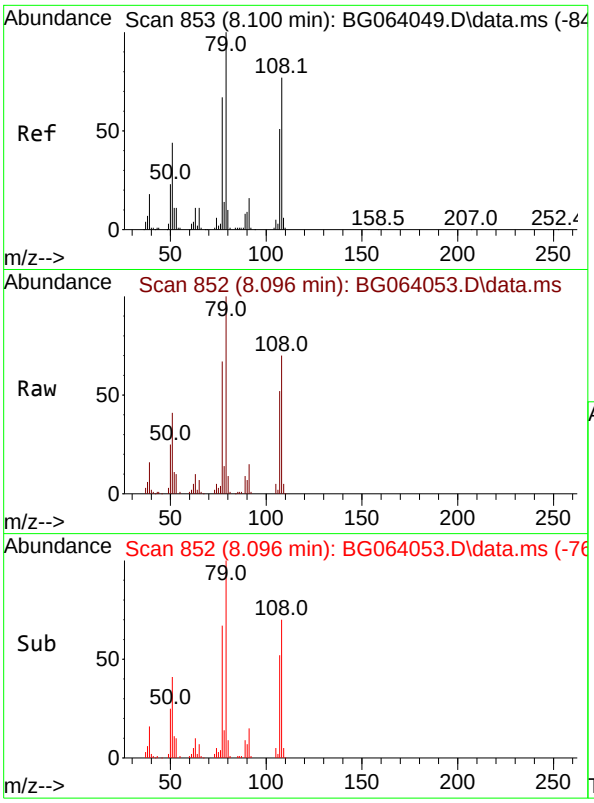


#14
1,2-Dichlorobenzene
Concen: 36.695 ng
RT: 8.214 min Scan# 872
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:146 Resp: 96129

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.2	75.2
111	42.1	36.4	54.6





#15
Benzyl Alcohol
Concen: 38.023 ng
RT: 8.096 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

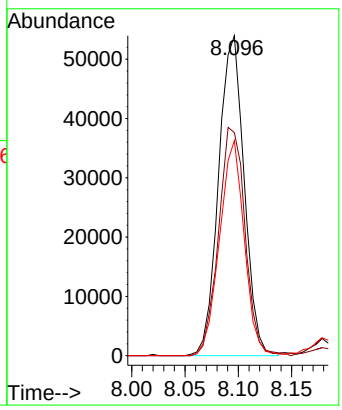
Tgt Ion: 79 Resp: 8982

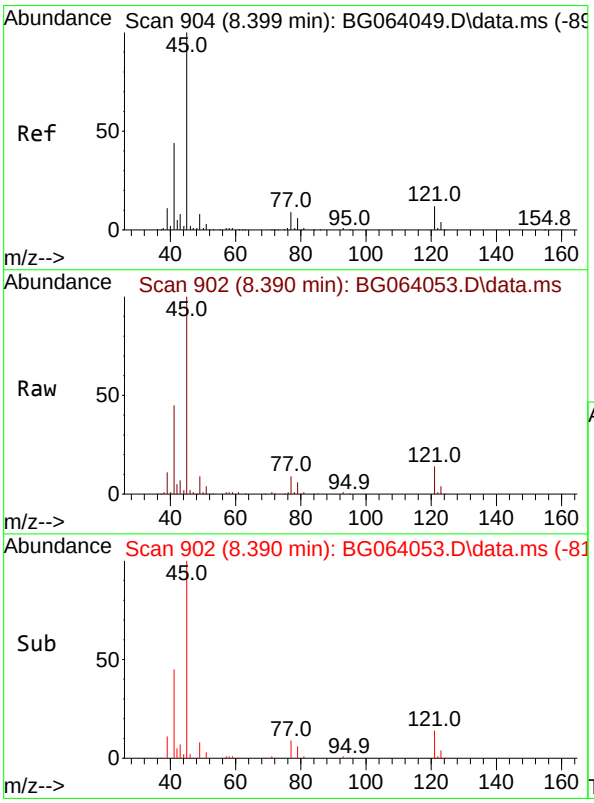
Ion	Ratio	Lower	Upper
79	100		
108	69.7	61.7	92.5
77	67.2	53.9	80.9

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

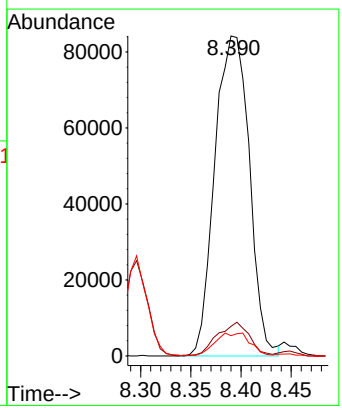


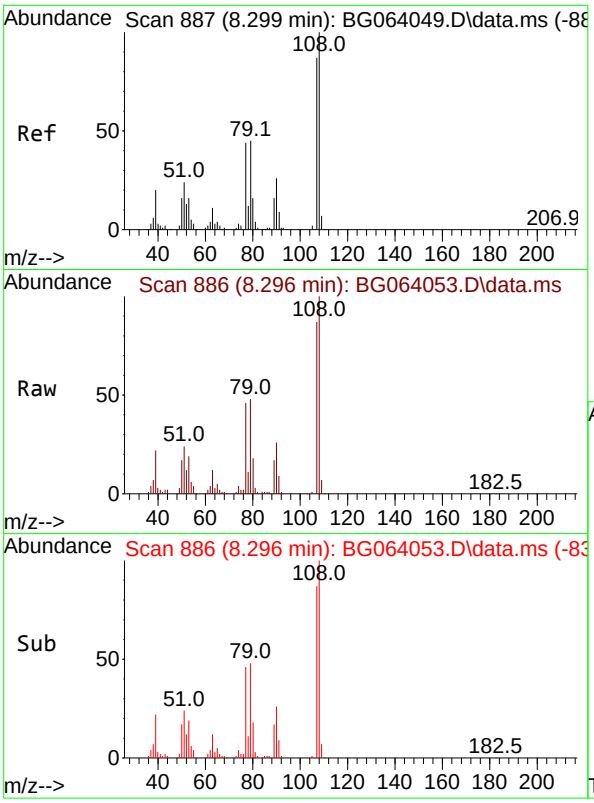


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.540 ng
RT: 8.390 min Scan# 902
Delta R.T. -0.009 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 45 Resp: 201622

Ion	Ratio	Lower	Upper
45	100		
77	9.3	0.0	29.0
79	6.4	0.0	26.6

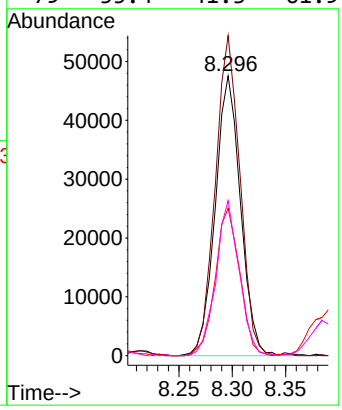




#17
2-Methylphenol
Concen: 37.680 ng
RT: 8.296 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:107 Resp: 7827

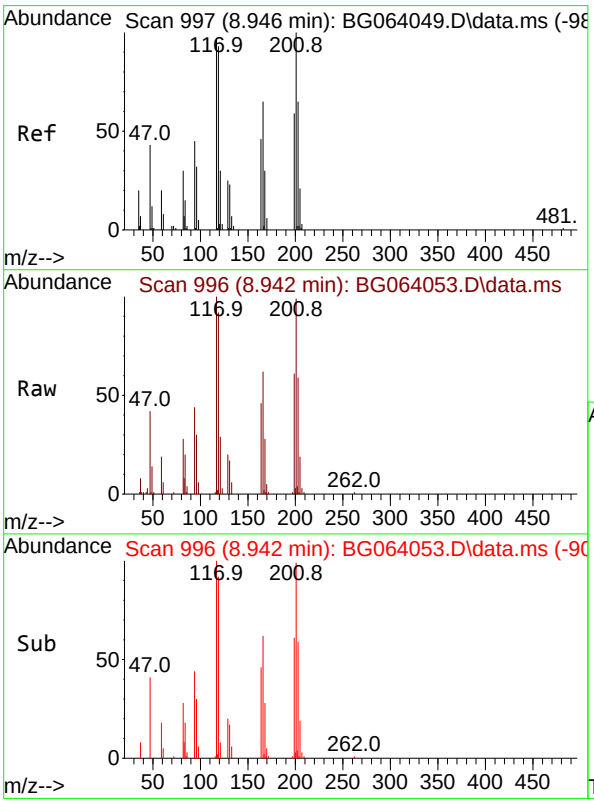
Ion	Ratio	Lower	Upper
107	100		
108	114.3	92.5	138.7
77	52.7	40.5	60.7
79	55.4	41.3	61.9



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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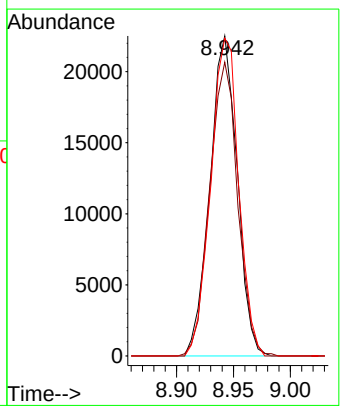
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

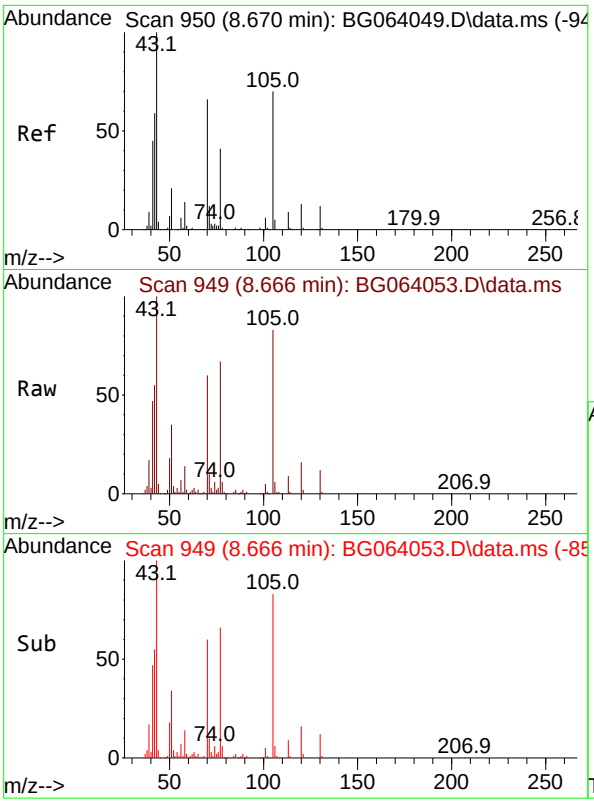


#18
Hexachloroethane
Concen: 39.404 ng
RT: 8.942 min Scan# 996
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:117 Resp: 37454

Ion	Ratio	Lower	Upper
117	100		
119	91.8	76.2	114.2
201	99.3	81.5	122.3

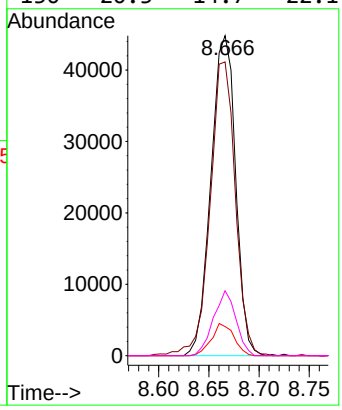




#19
n-Nitroso-di-n-propylamine
Concen: 35.648 ng
RT: 8.666 min Scan# 94
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 70 Resp: 7648

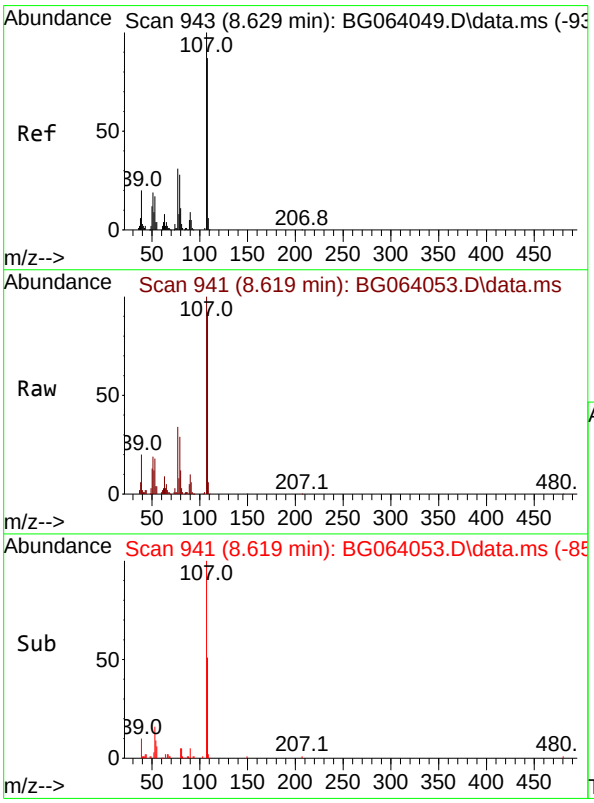
Ion	Ratio	Lower	Upper
70	100		
42	91.8	72.1	108.1
101	9.1	7.2	10.8
130	20.3	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

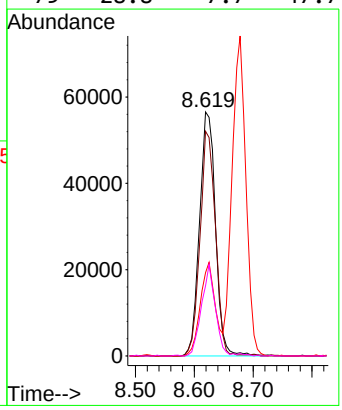
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

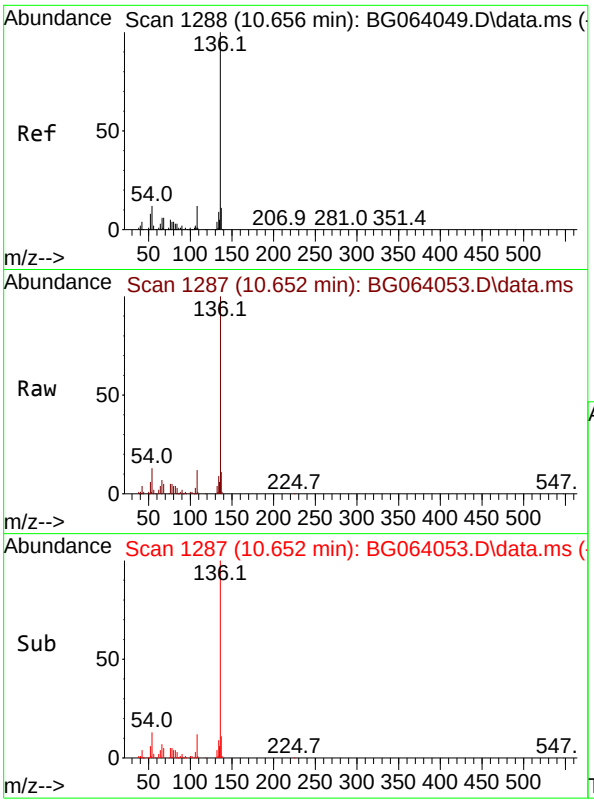


#20
3+4-Methylphenols
Concen: 37.166 ng
RT: 8.619 min Scan# 941
Delta R.T. -0.009 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:107 Resp: 106291

Ion	Ratio	Lower	Upper
107	100		
108	92.1	67.0	107.0
77	34.2	11.2	51.2
79	28.8	7.7	47.7

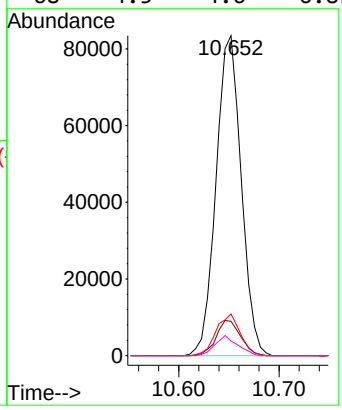




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:136 Resp: 14508

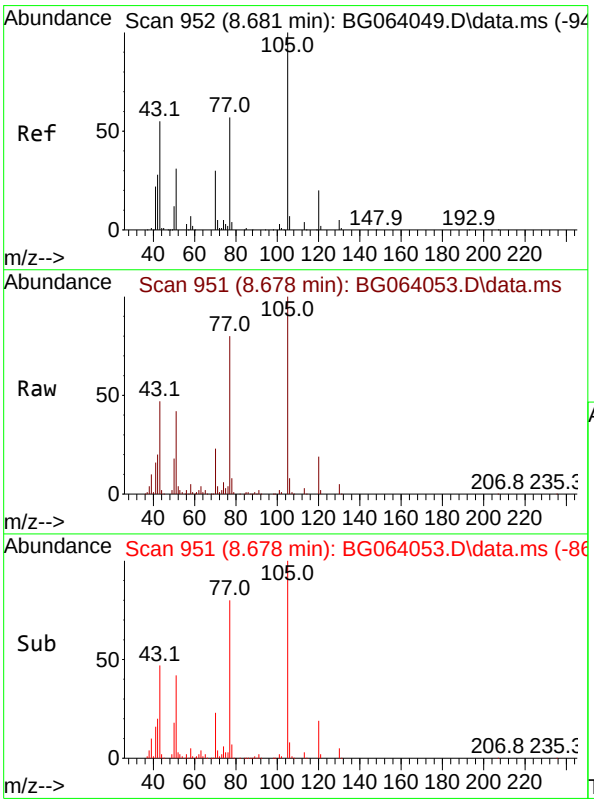
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	13.0	9.9	14.9
68	4.5	4.6	6.8#



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

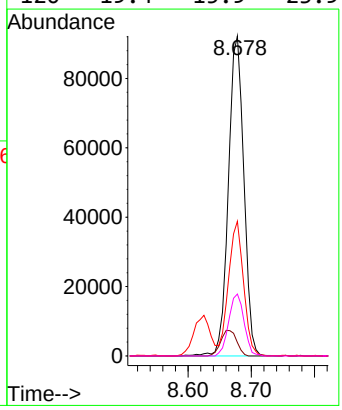
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

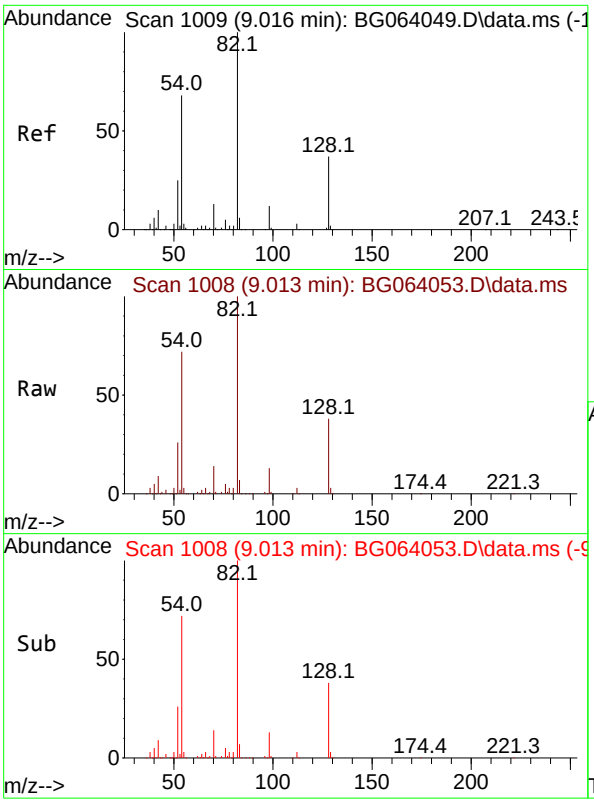


#22
Acetophenone
Concen: 39.285 ng
RT: 8.678 min Scan# 951
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:105 Resp: 156271

Ion	Ratio	Lower	Upper
105	100		
71	4.2	4.2	6.4#
51	42.1	33.3	49.9
120	19.4	15.9	23.9

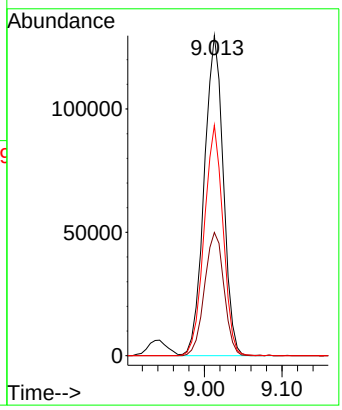




#23
Nitrobenzene-d5
Concen: 84.279 ng
RT: 9.013 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 82 Resp: 22126

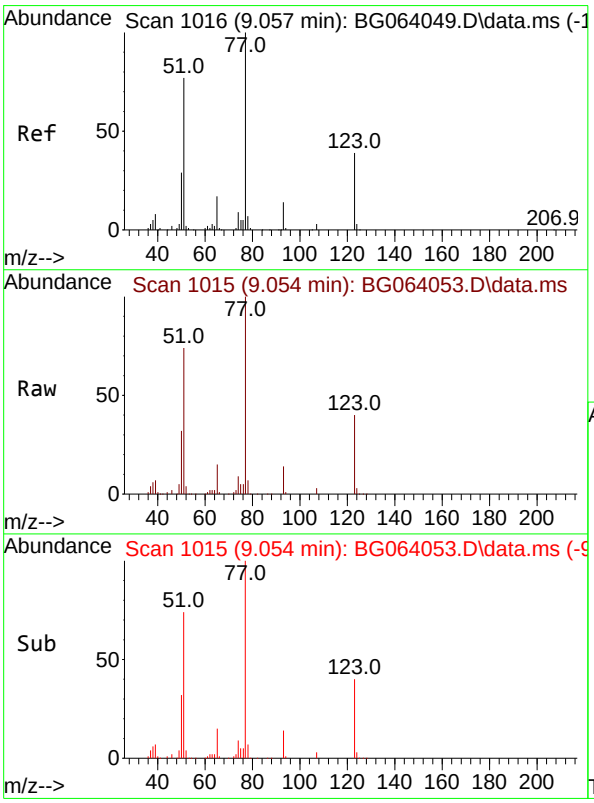
Ion	Ratio	Lower	Upper
82	100		
128	38.5	30.0	45.0
54	72.0	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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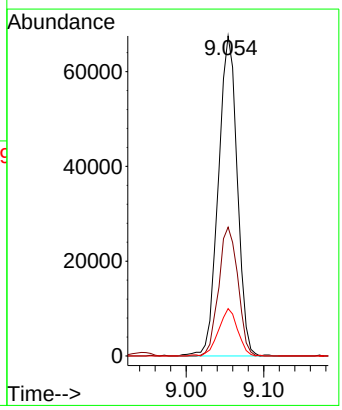
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

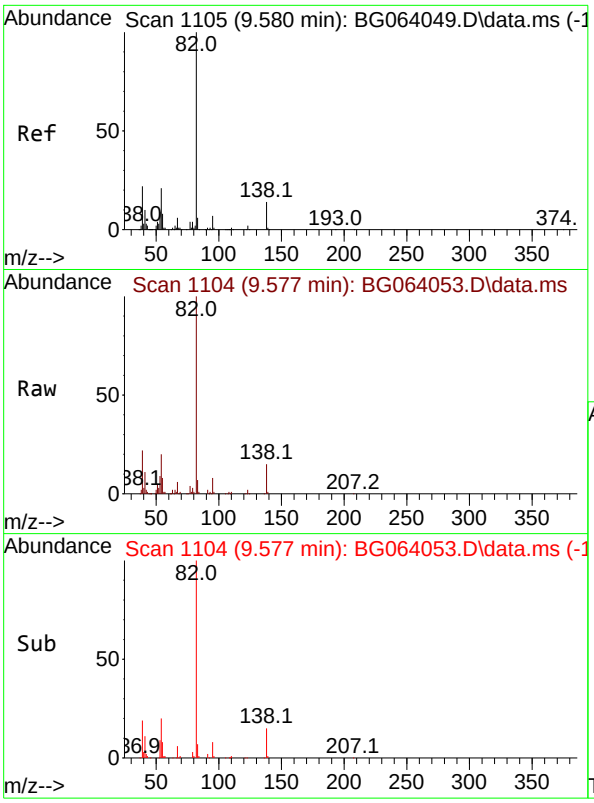


#24
Nitrobenzene
Concen: 42.208 ng
RT: 9.054 min Scan# 1015
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 77 Resp: 114521

Ion	Ratio	Lower	Upper
77	100		
123	40.3	31.4	47.2
65	14.8	13.4	20.0

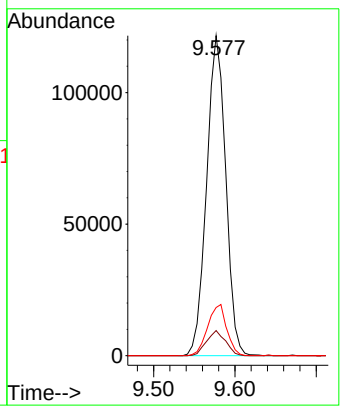




#25
Isophorone
Concen: 37.823 ng
RT: 9.577 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 82 Resp: 19875

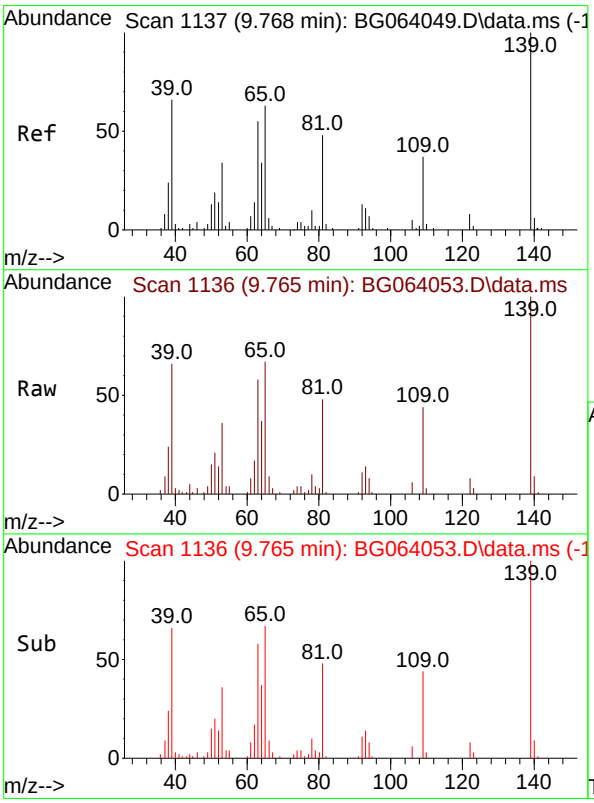
Ion	Ratio	Lower	Upper
82	100		
95	7.9	5.8	8.8
138	15.1	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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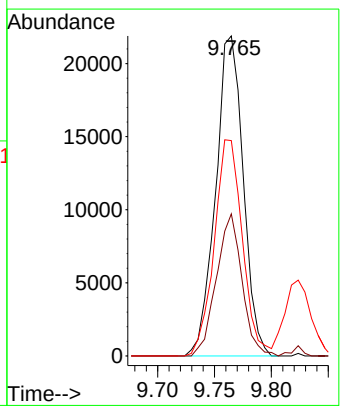
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

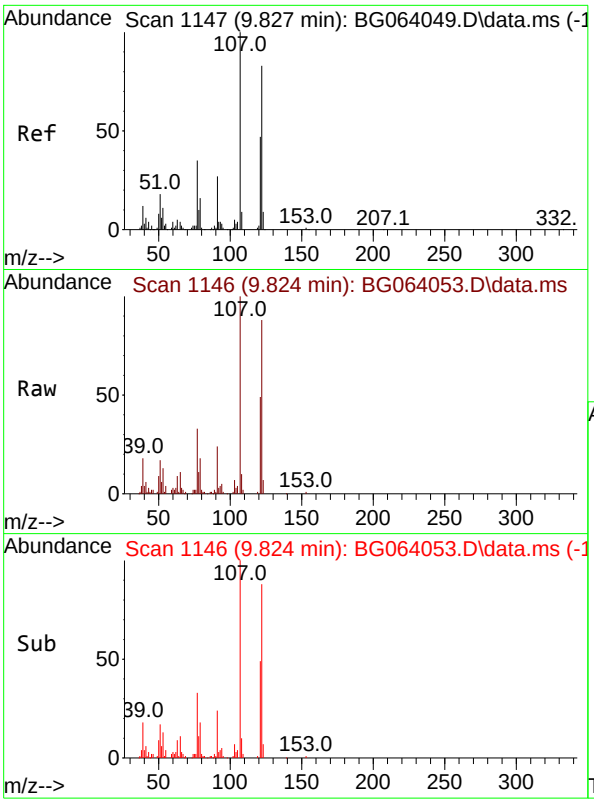


#26
2-Nitrophenol
Concen: 40.946 ng
RT: 9.765 min Scan# 1136
Delta R.T. -0.003 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:139 Resp: 36978

Ion	Ratio	Lower	Upper
139	100		
109	44.4	29.9	44.9
65	67.3	50.6	76.0

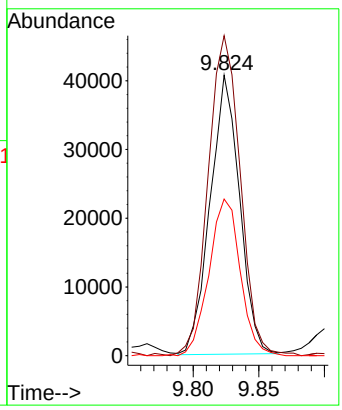




#27
2,4-Dimethylphenol
Concen: 40.139 ng
RT: 9.824 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:122 Resp: 6323

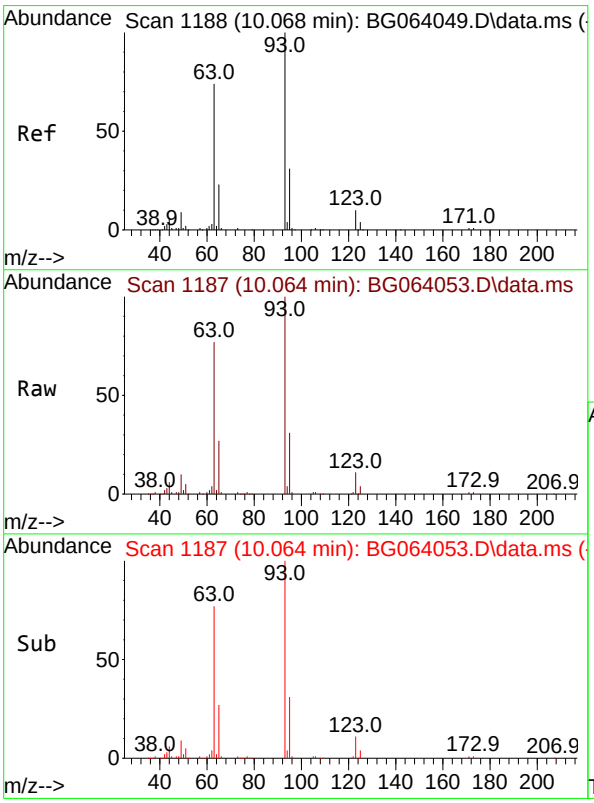
Ion	Ratio	Lower	Upper
122	100		
107	114.1	95.4	143.0
121	55.8	44.9	67.3



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

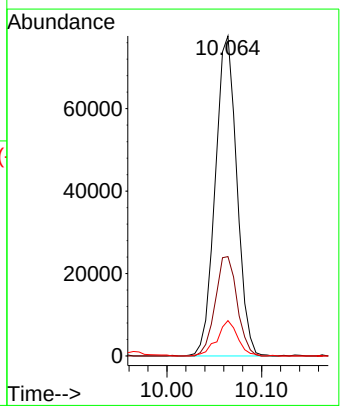
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

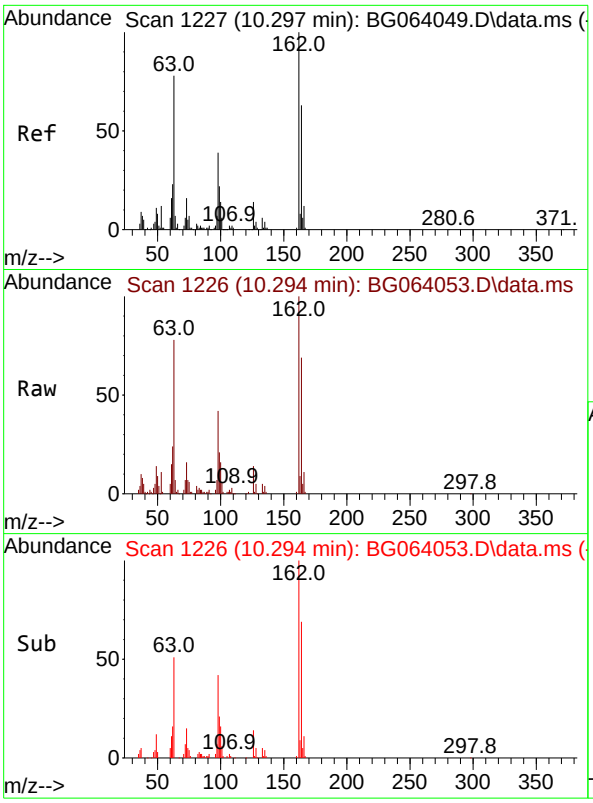


#28
bis(2-Chloroethoxy)methane
Concen: 38.620 ng
RT: 10.064 min Scan# 1187
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 93 Resp: 123038

Ion	Ratio	Lower	Upper
93	100		
95	31.1	25.0	37.4
123	11.1	7.6	11.4

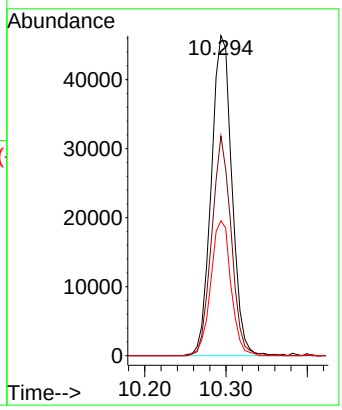




#29
2,4-Dichlorophenol
Concen: 41.154 ng
RT: 10.294 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:162 Resp: 8186

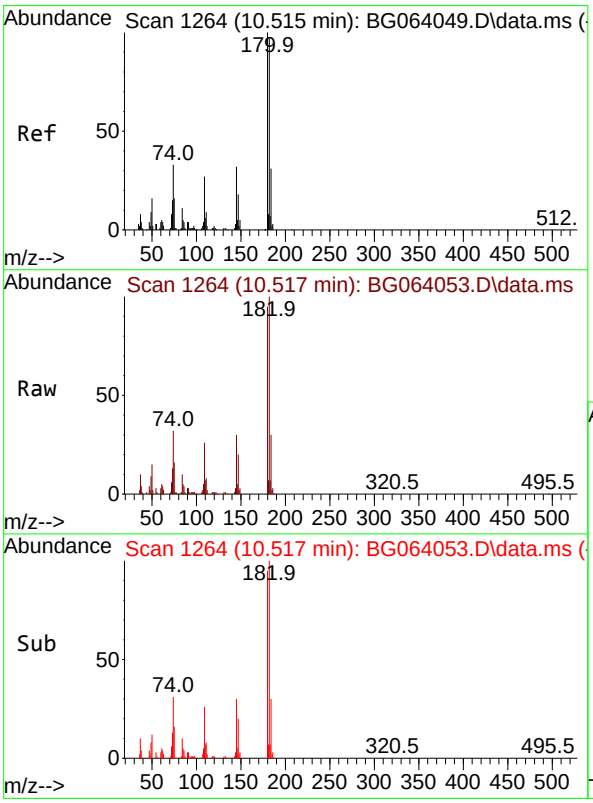
Ion	Ratio	Lower	Upper
162	100		
164	68.6	42.8	82.8
98	42.1	19.1	59.1



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

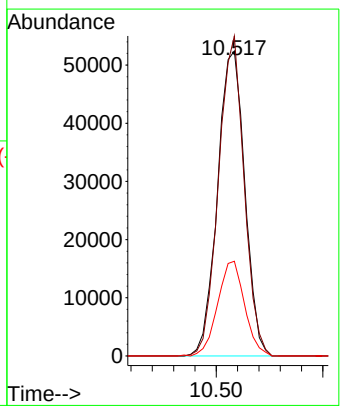
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

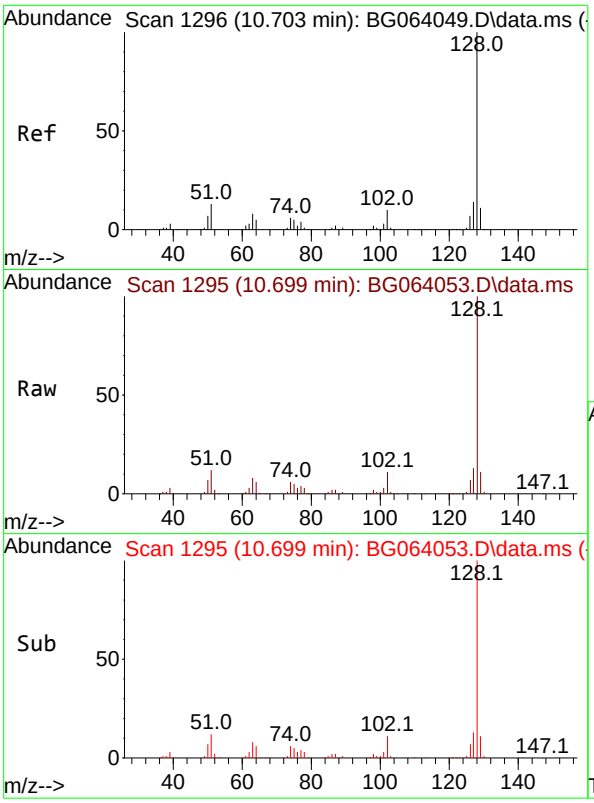


#30
1,2,4-Trichlorobenzene
Concen: 38.802 ng
RT: 10.517 min Scan# 1264
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:180 Resp: 93175

Ion	Ratio	Lower	Upper
180	100		
182	104.9	77.3	115.9
145	31.1	25.2	37.8

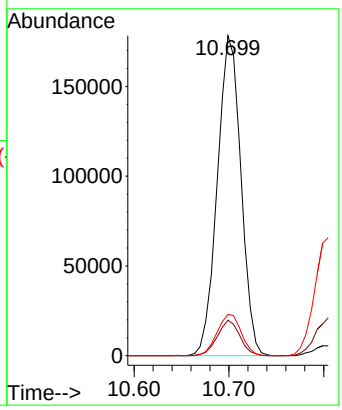




#31
Naphthalene
Concen: 39.402 ng
RT: 10.699 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:128 Resp: 30825

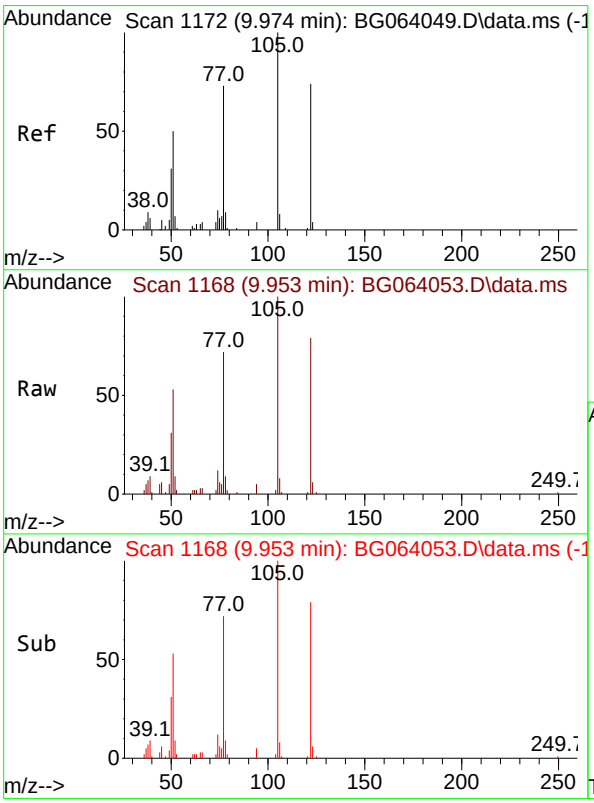
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.4	12.6
127	12.9	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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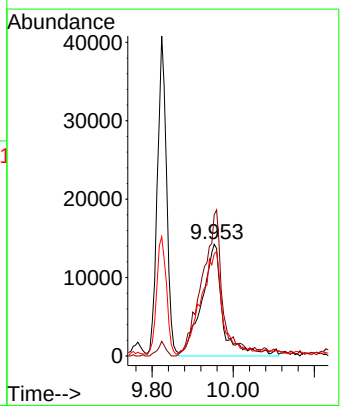
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

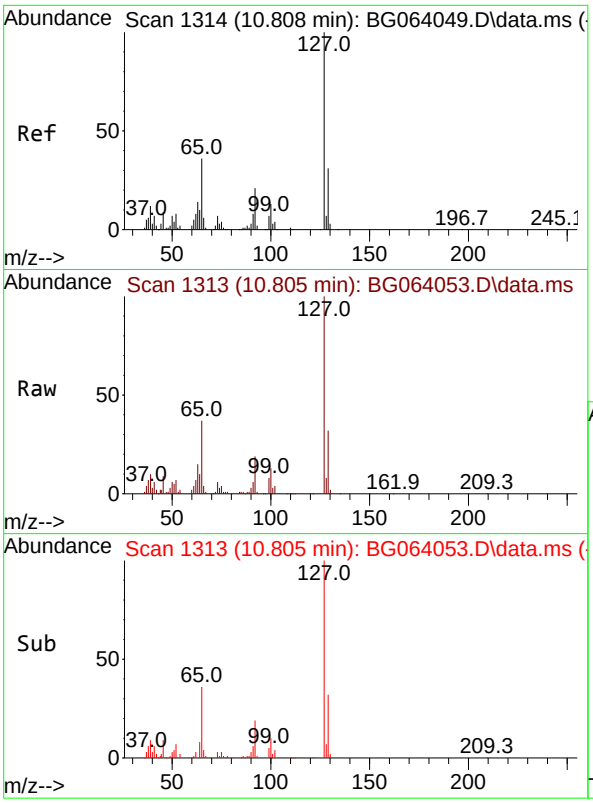


#32
Benzoic acid
Concen: 37.906 ng m
RT: 9.953 min Scan# 1168
Delta R.T. -0.021 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:122 Resp: 51607

Ion	Ratio	Lower	Upper
122	100		
105	126.5	115.0	155.0
77	91.3	80.9	120.9

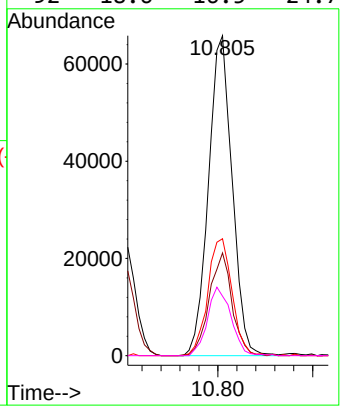




#33
4-Chloroaniline
Concen: 39.949 ng
RT: 10.805 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:127 Resp: 11422

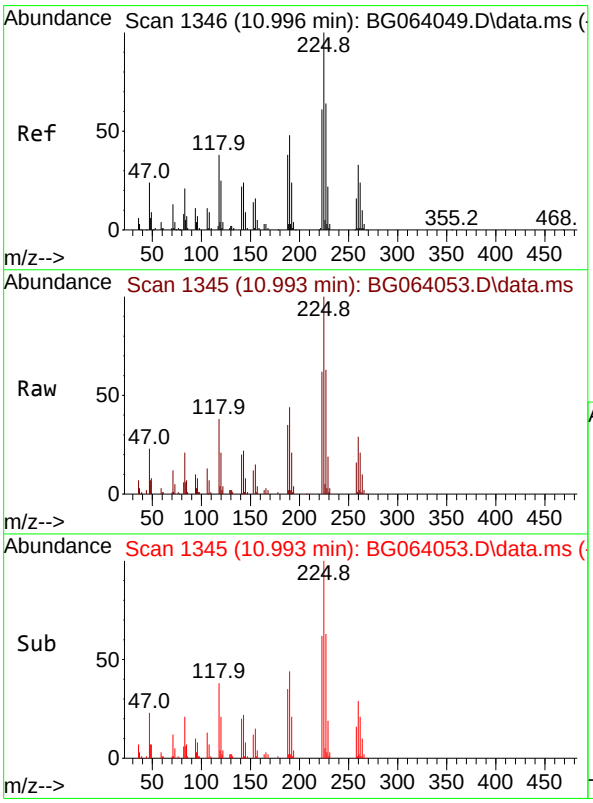
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.0	37.4
65	36.5	28.5	42.7
92	18.6	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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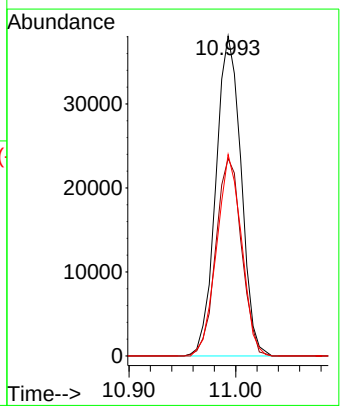
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

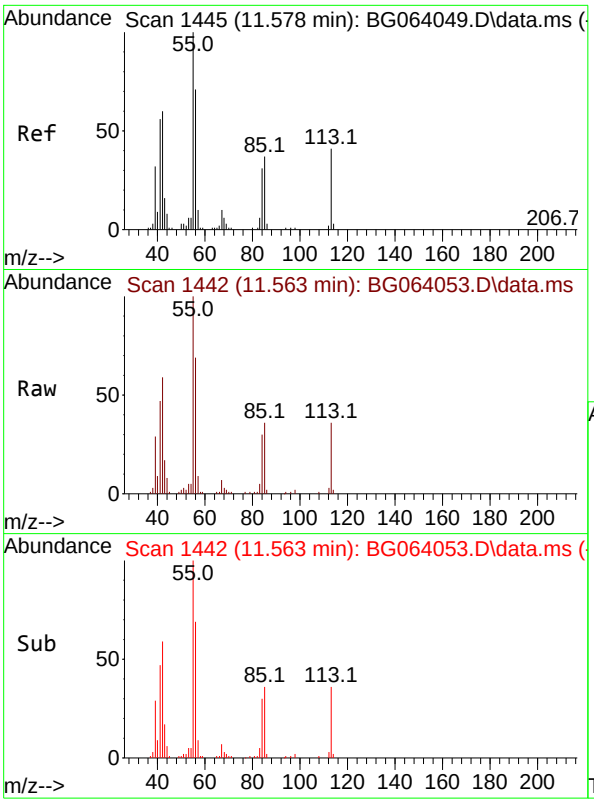


#34
Hexachlorobutadiene
Concen: 39.720 ng
RT: 10.993 min Scan# 1345
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:225 Resp: 62517

Ion	Ratio	Lower	Upper
225	100		
223	61.7	48.5	72.7
227	63.0	51.0	76.6





#35
Caprolactam
Concen: 42.084 ng
RT: 11.563 min Scan# 14
Delta R.T. -0.015 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

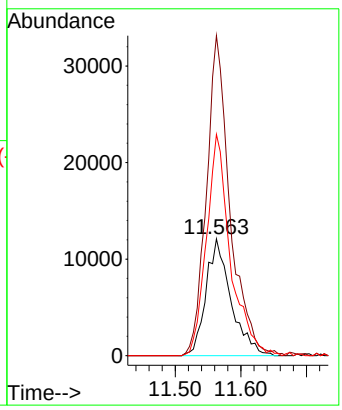
Tgt Ion:113 Resp: 3208

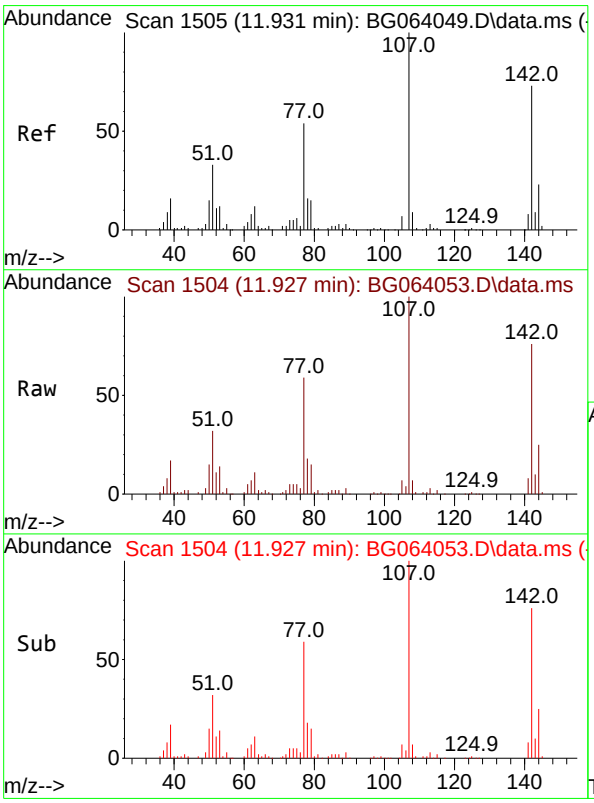
Ion	Ratio	Lower	Upper
113	100		
55	274.0	225.2	265.2
56	189.5	153.4	193.4

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

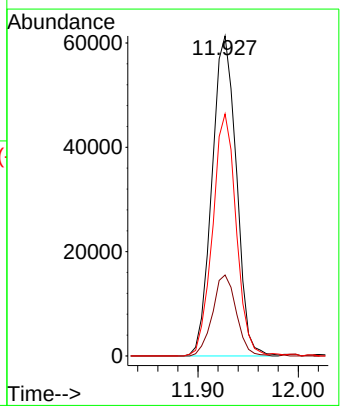


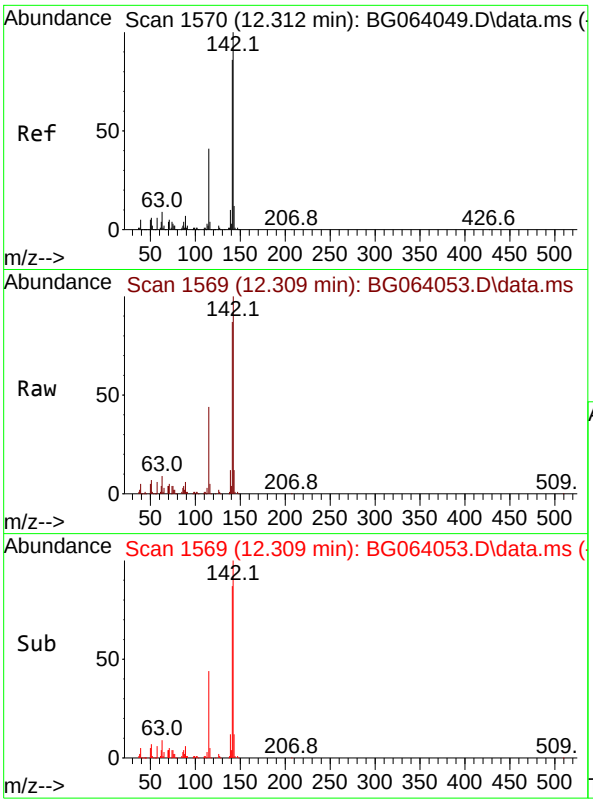


#36
4-Chloro-3-methylphenol
Concen: 39.649 ng
RT: 11.927 min Scan# 1504
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:107 Resp: 103382

Ion	Ratio	Lower	Upper
107	100		
144	25.3	18.6	28.0
142	75.7	58.0	87.0

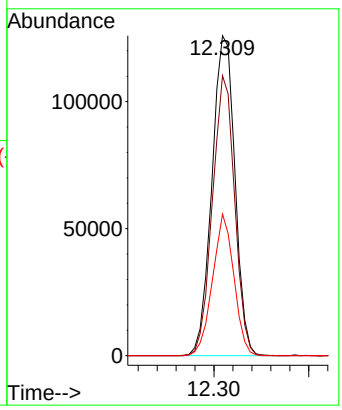




#37
2-Methylnaphthalene
Concen: 38.463 ng
RT: 12.309 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:142 Resp: 21243

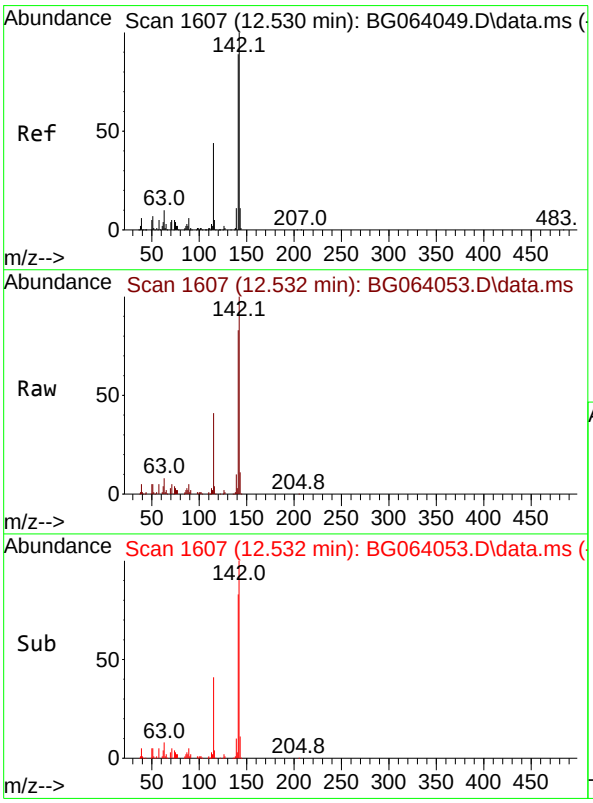
Ion	Ratio	Lower	Upper
142	100		
141	87.5	68.6	103.0
115	44.2	32.8	49.2



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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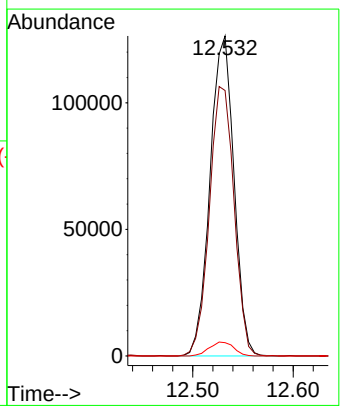
Reviewed By :Jagrut Upadhyay 03/06/2025
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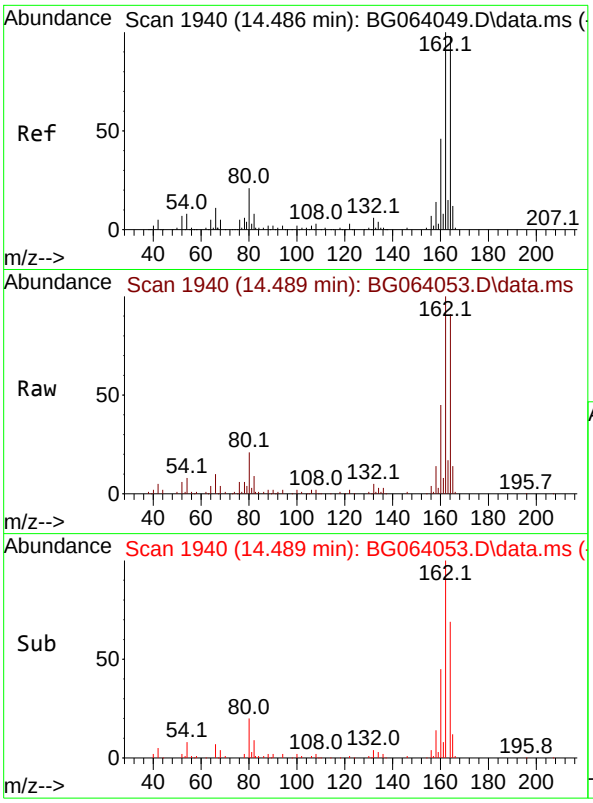


#38
1-Methylnaphthalene
Concen: 38.724 ng
RT: 12.532 min Scan# 1607
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:142 Resp: 209530

Ion	Ratio	Lower	Upper
142	100		
141	83.0	71.2	106.8
116	4.1	3.6	5.4

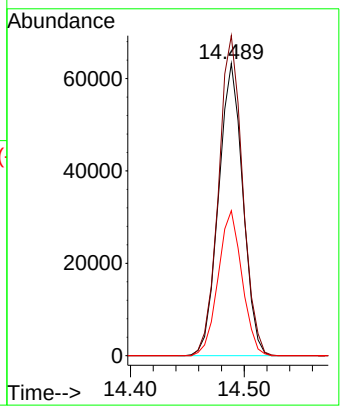




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.489 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:164 Resp: 9372

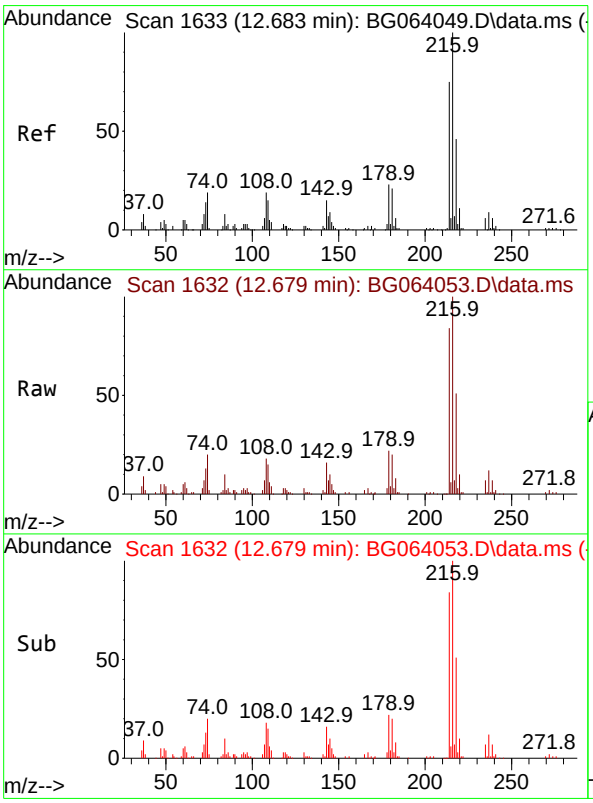
Ion	Ratio	Lower	Upper
164	100		
162	109.5	81.4	122.0
160	49.6	37.0	55.6



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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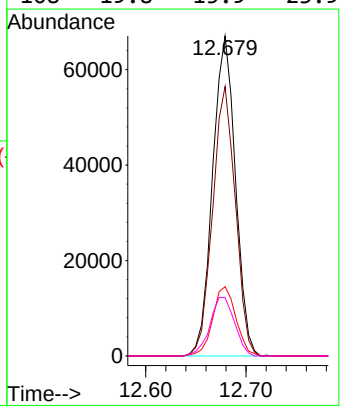
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

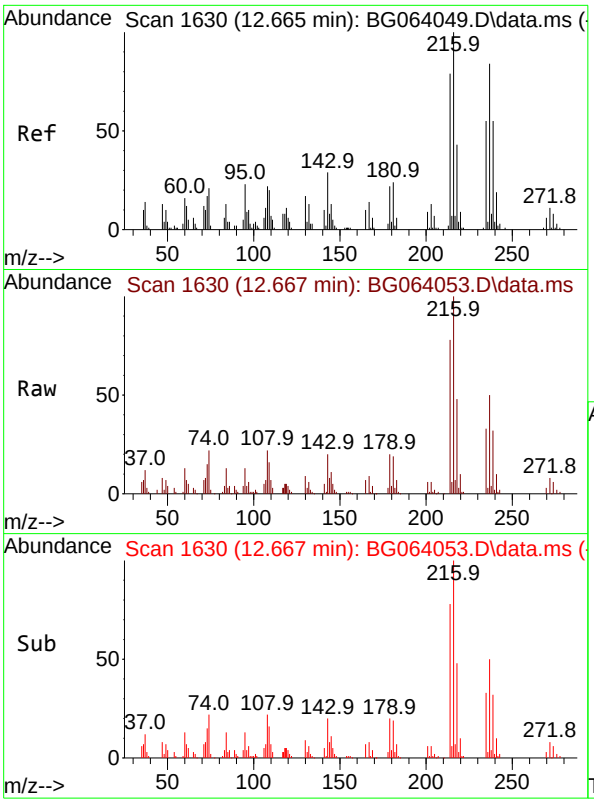


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.630 ng
RT: 12.679 min Scan# 1632
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:216 Resp: 106041

Ion	Ratio	Lower	Upper
216	100		
214	83.5	61.7	92.5
179	22.0	17.9	26.9
108	19.8	15.9	23.9

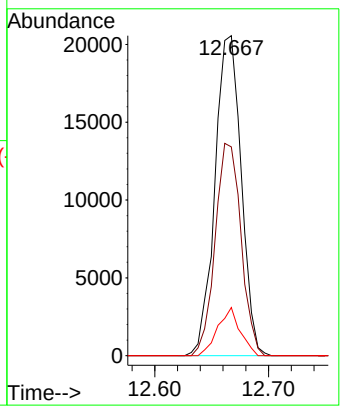




#41
Hexachlorocyclopentadiene
Concen: 43.873 ng
RT: 12.667 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:237 Resp: 3304

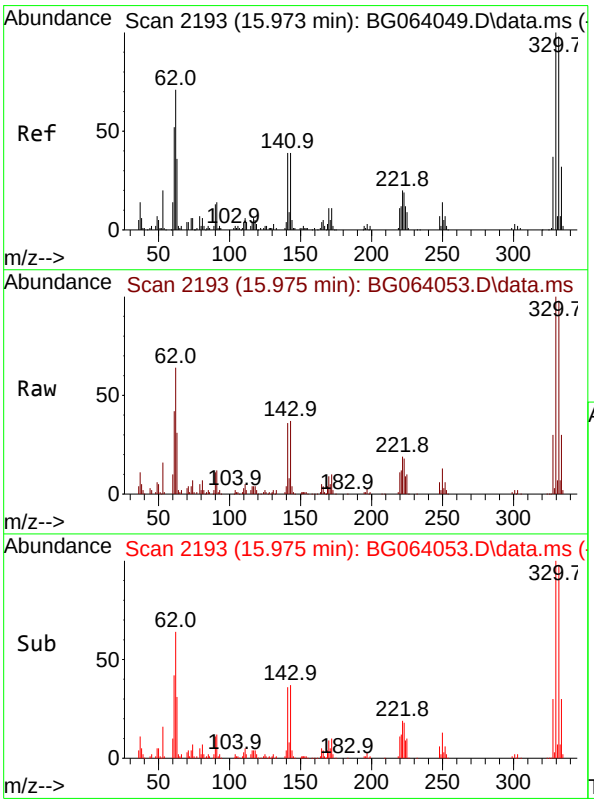
Ion	Ratio	Lower	Upper
237	100		
235	65.3	46.0	86.0
272	15.0	0.0	32.8



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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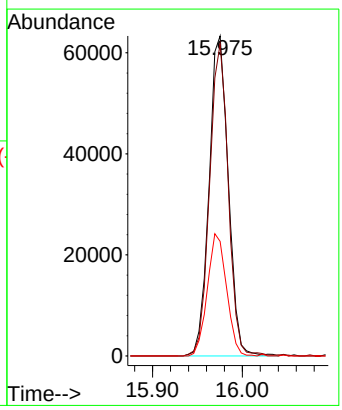
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

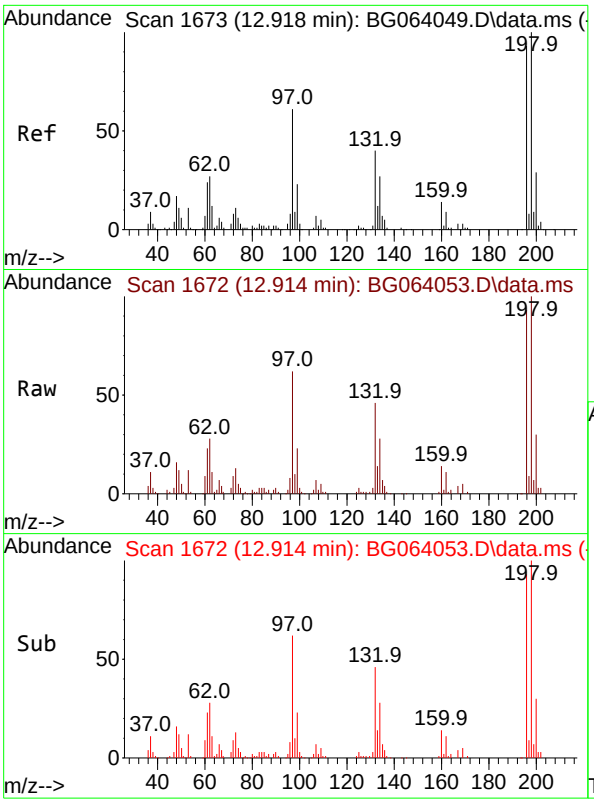


#42
2,4,6-Tribromophenol
Concen: 90.311 ng
RT: 15.975 min Scan# 2193
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:330 Resp: 94089

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.7	115.1
141	38.2	29.7	44.5

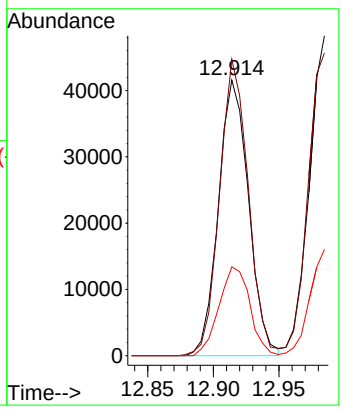




#43
2,4,6-Trichlorophenol
Concen: 42.165 ng
RT: 12.914 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:196 Resp: 6649

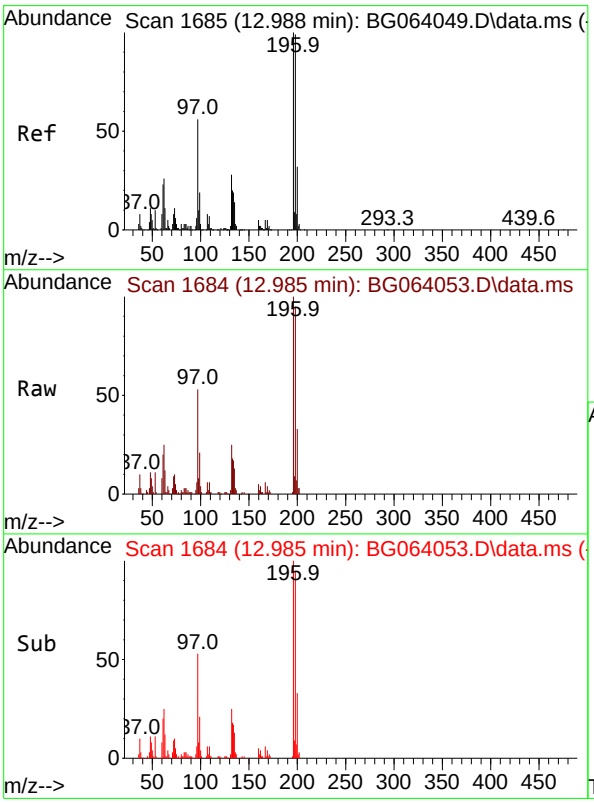
Ion	Ratio	Lower	Upper
196	100		
198	107.5	85.6	128.4
200	32.2	24.6	37.0



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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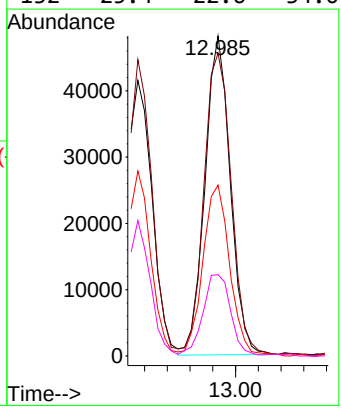
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

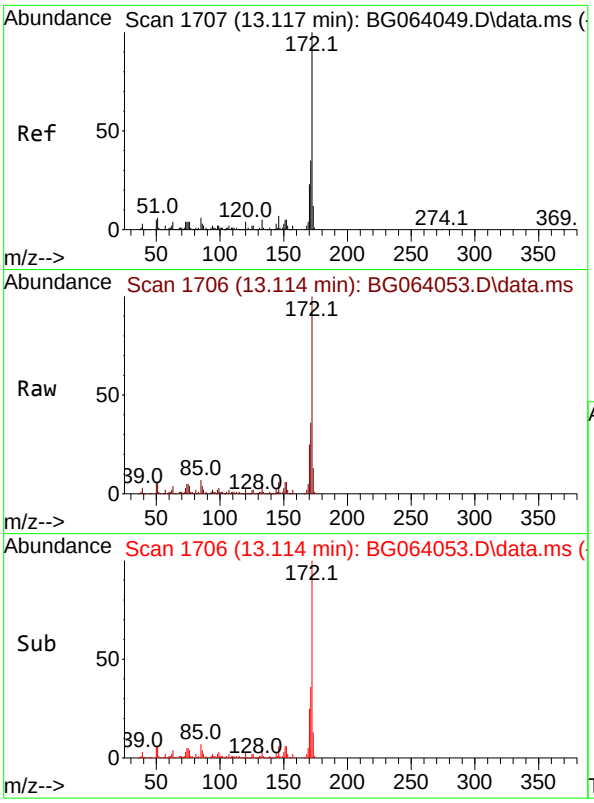


#44
2,4,5-Trichlorophenol
Concen: 42.561 ng
RT: 12.985 min Scan# 1684
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:196 Resp: 74580

Ion	Ratio	Lower	Upper
196	100		
198	94.6	79.5	119.3
97	53.4	45.2	67.8
132	25.4	22.6	34.0

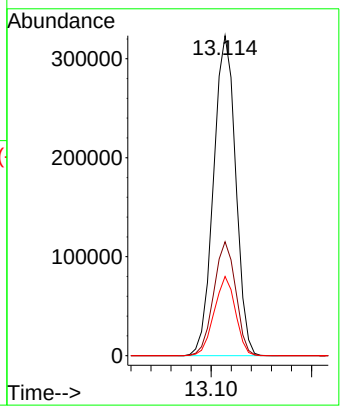




#45
2-Fluorobiphenyl
Concen: 80.186 ng
RT: 13.114 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:172 Resp: 49512

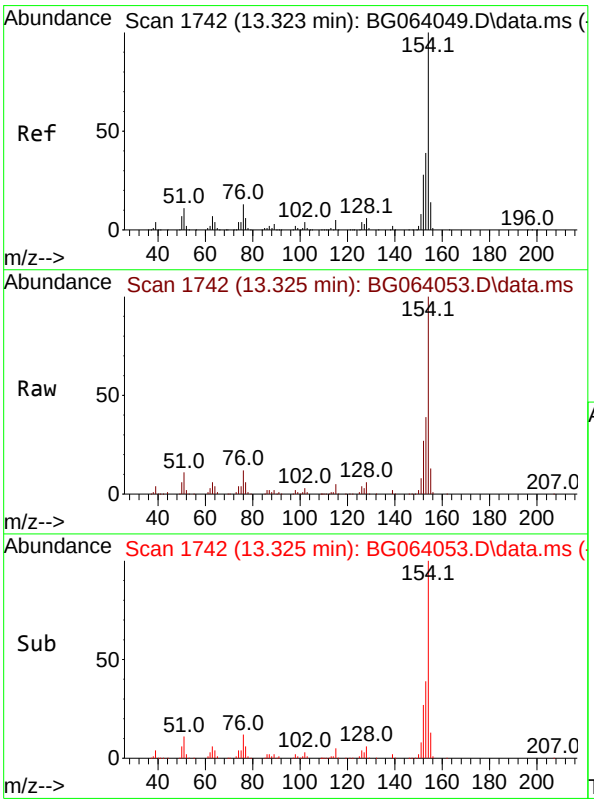
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.0	42.0
170	24.7	18.7	28.1



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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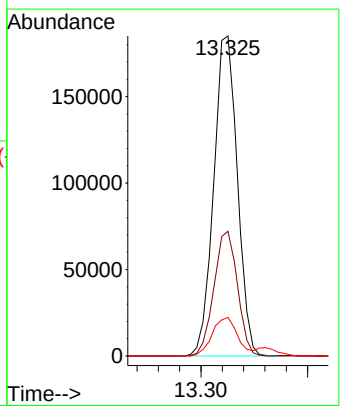
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

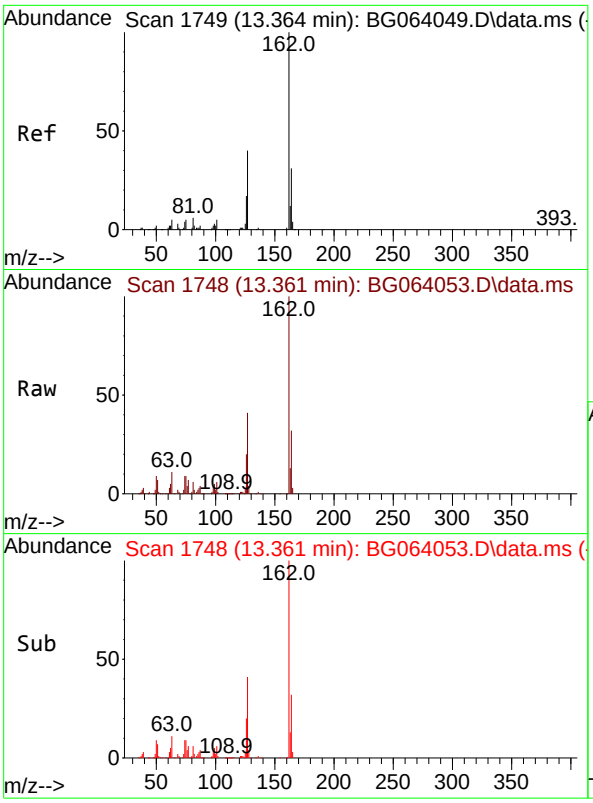


#46
1,1'-Biphenyl
Concen: 40.196 ng
RT: 13.325 min Scan# 1742
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:154 Resp: 284632

Ion	Ratio	Lower	Upper
154	100		
153	38.9	19.5	59.5
76	12.0	0.0	33.5

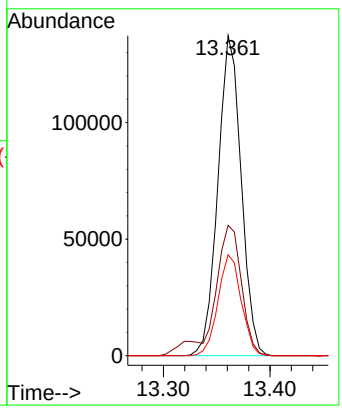




#47
2-Chloronaphthalene
Concen: 40.309 ng
RT: 13.361 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:162 Resp: 20817

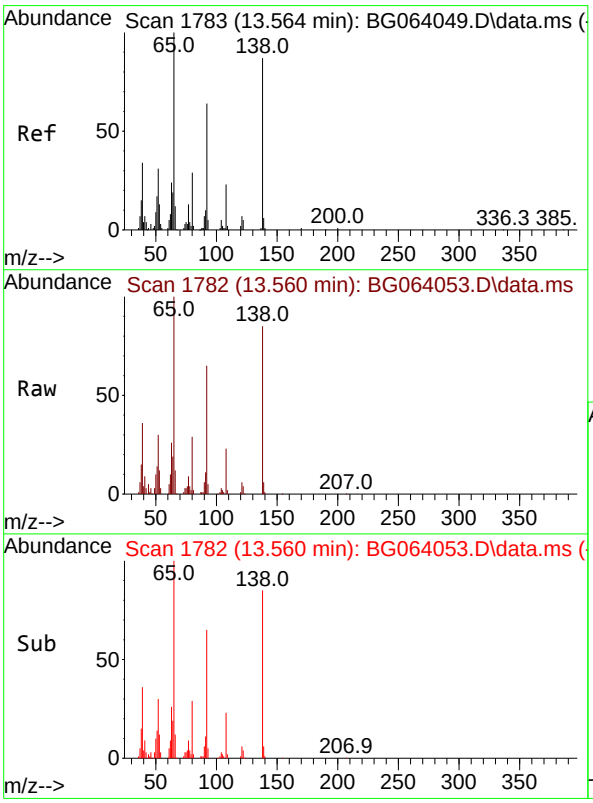
Ion	Ratio	Lower	Upper
162	100		
127	40.8	35.0	52.4
164	31.6	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

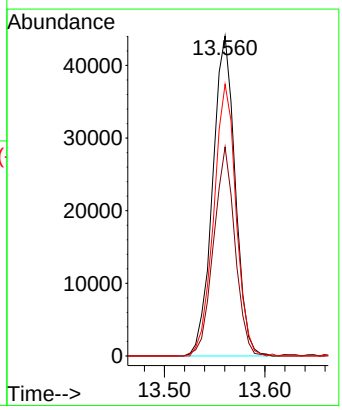
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

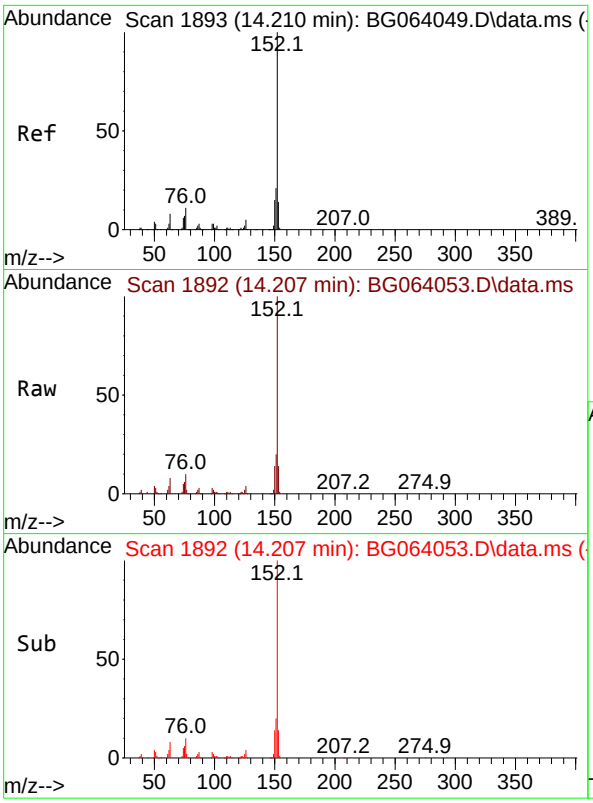


#48
2-Nitroaniline
Concen: 41.405 ng
RT: 13.560 min Scan# 1782
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 65 Resp: 68823

Ion	Ratio	Lower	Upper
65	100		
92	65.3	51.2	76.8
138	84.9	69.4	104.2

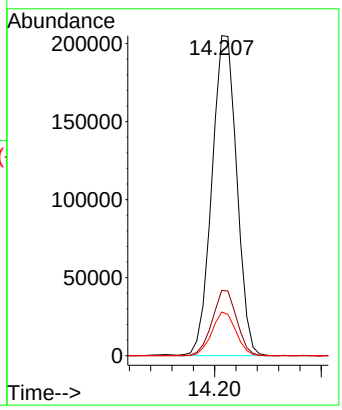




#49
Acenaphthylene
Concen: 40.537 ng
RT: 14.207 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:152 Resp: 33113

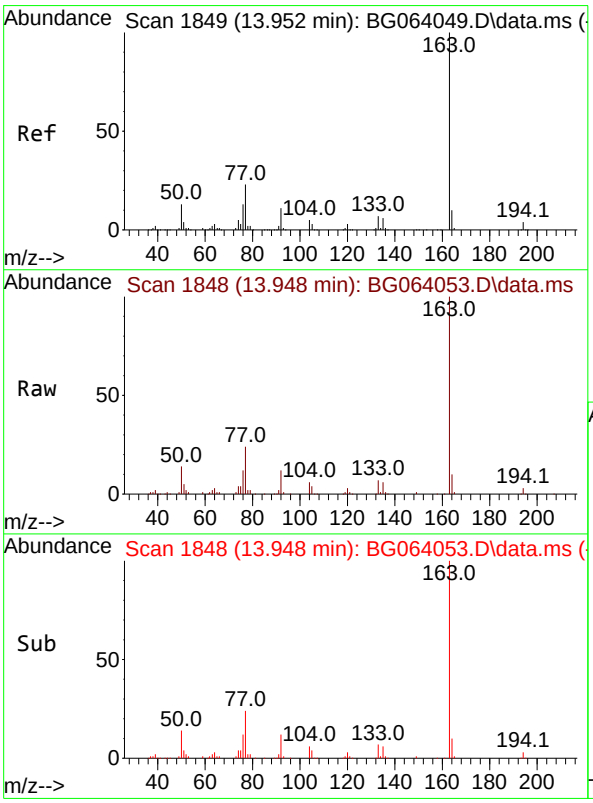
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6
153	13.6	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

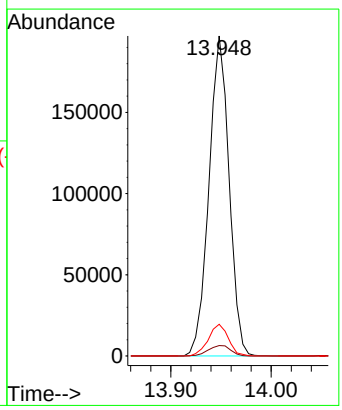
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

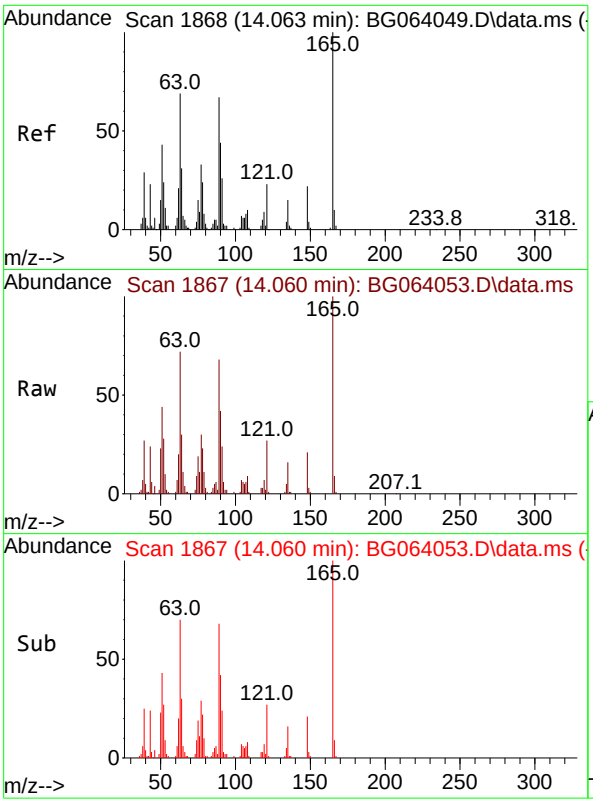


#50
Dimethylphthalate
Concen: 39.712 ng
RT: 13.948 min Scan# 1848
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:163 Resp: 274751

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	9.9	8.2	12.2

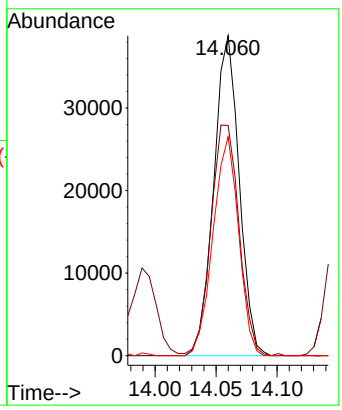




#51
2,6-Dinitrotoluene
Concen: 40.625 ng
RT: 14.060 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:165 Resp: 5624

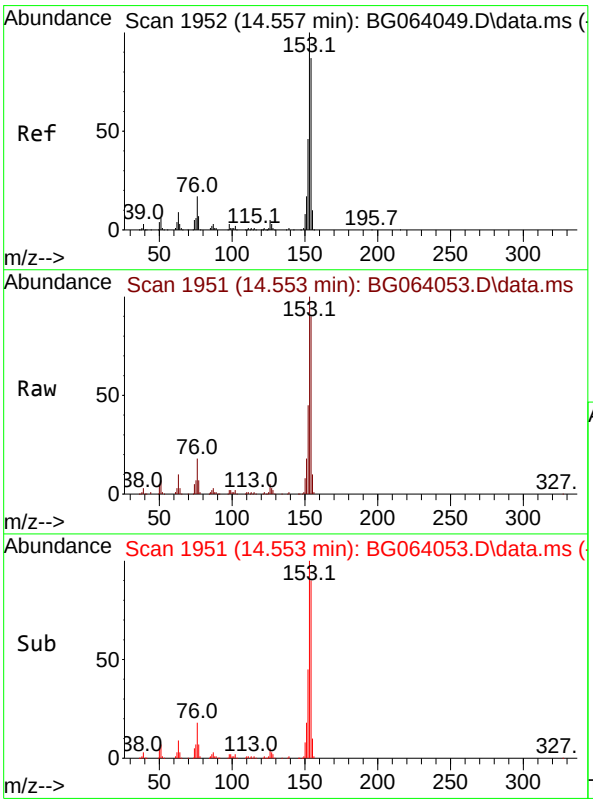
Ion	Ratio	Lower	Upper
165	100		
63	72.0	56.7	85.1
89	68.4	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

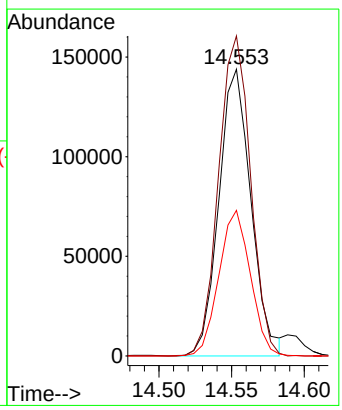
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

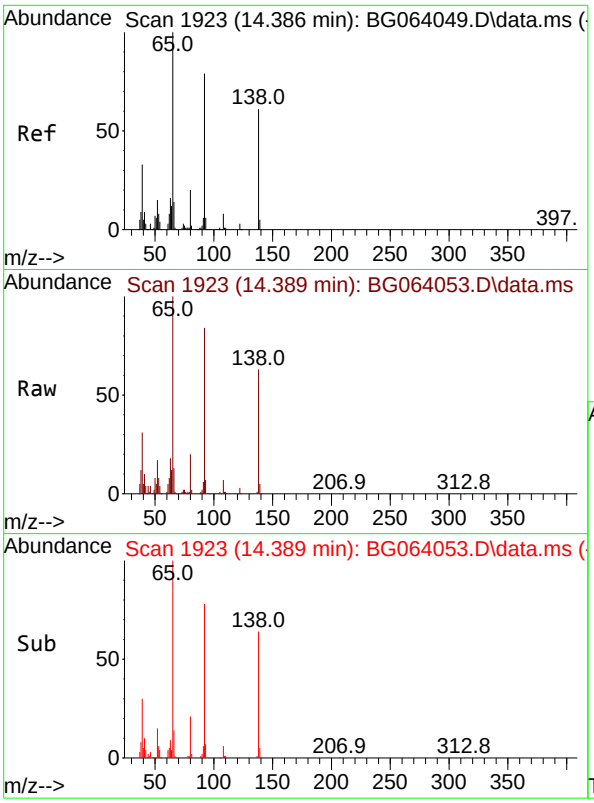


#52
Acenaphthene
Concen: 40.428 ng m
RT: 14.553 min Scan# 1951
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:154 Resp: 221628

Ion	Ratio	Lower	Upper
154	100		
153	111.6	91.6	137.4
152	50.8	42.5	63.7

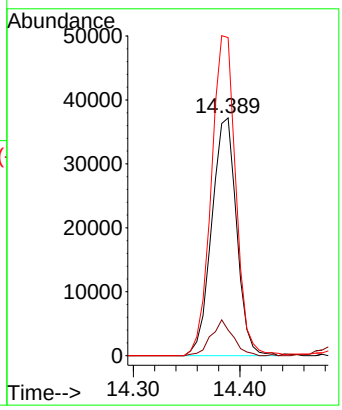




#53
3-Nitroaniline
Concen: 45.042 ng
RT: 14.389 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:138 Resp: 6022

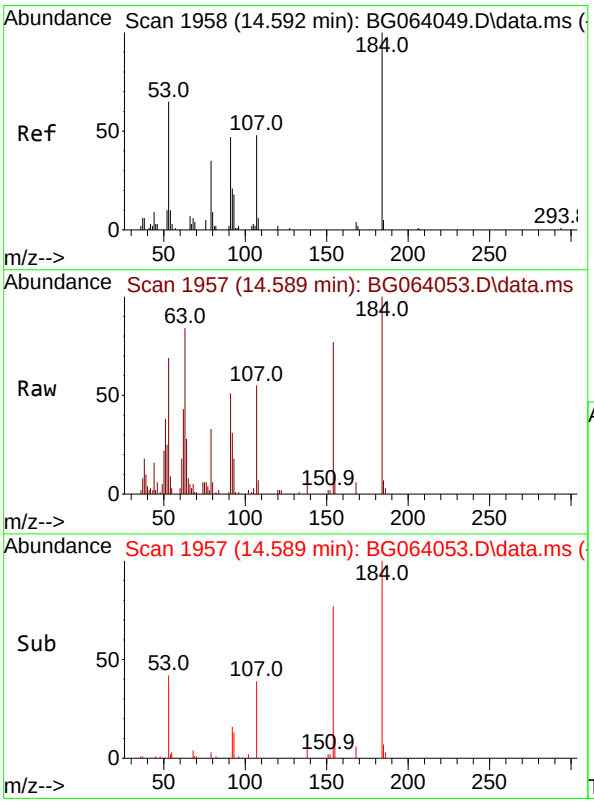
Ion	Ratio	Lower	Upper
138	100		
108	10.8	10.1	15.1
92	133.7	104.1	156.1



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

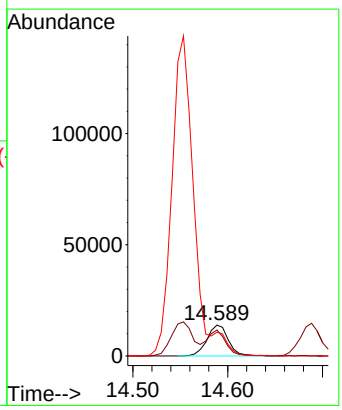
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

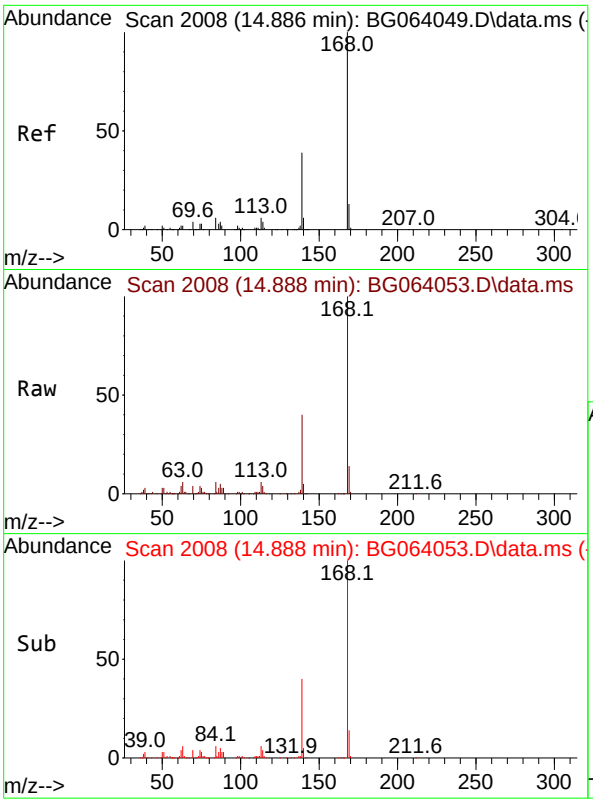


#54
2,4-Dinitrophenol
Concen: 41.197 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.003 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:184 Resp: 21627

Ion	Ratio	Lower	Upper
184	100		
63	84.0	57.5	86.3
154	76.8	52.3	78.5

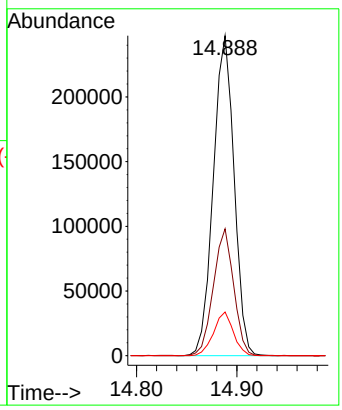




#55
Dibenzofuran
Concen: 40.014 ng
RT: 14.888 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:168 Resp: 35536

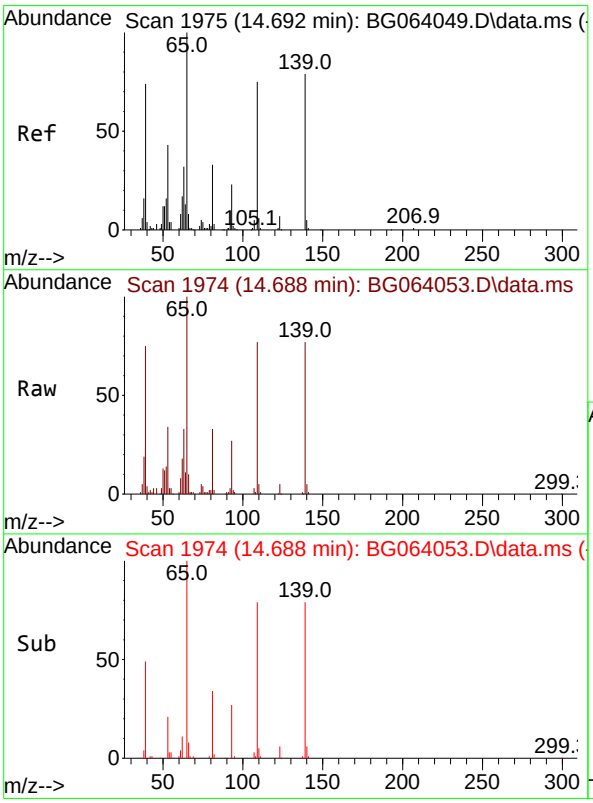
Ion	Ratio	Lower	Upper
168	100		
139	39.6	31.1	46.7
169	13.7	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

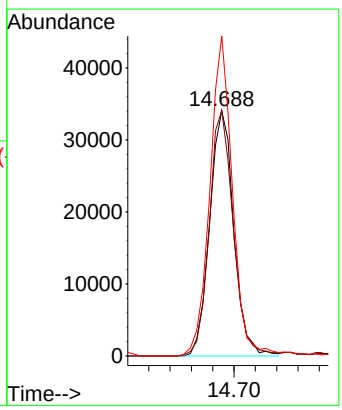
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

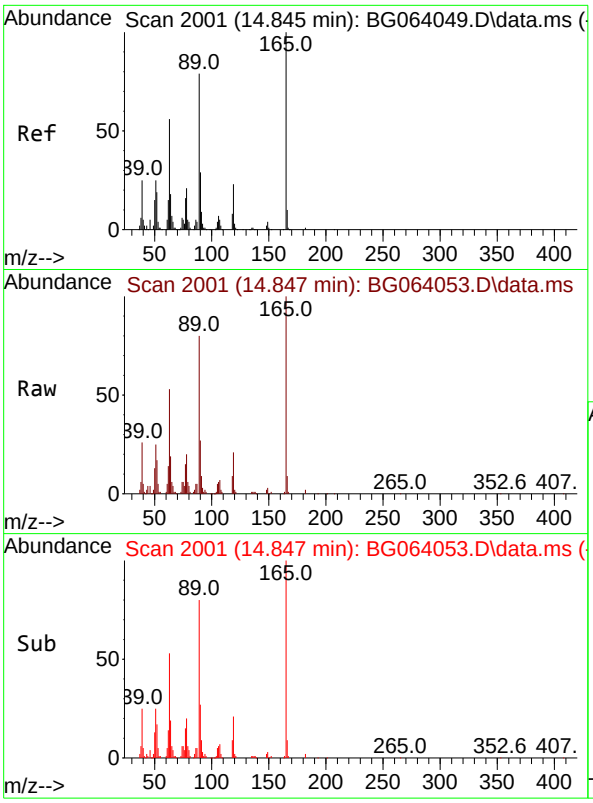


#56
4-Nitrophenol
Concen: 47.537 ng
RT: 14.688 min Scan# 1974
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:139 Resp: 53310

Ion	Ratio	Lower	Upper
139	100		
109	100.1	74.9	114.9
65	130.4	106.8	146.8

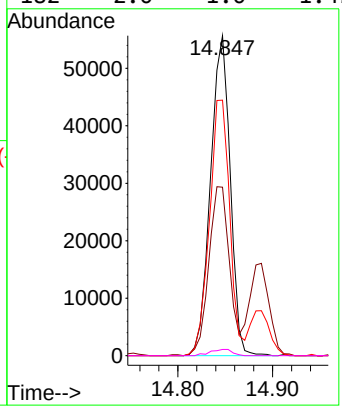




#57
2,4-Dinitrotoluene
Concen: 41.944 ng
RT: 14.847 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:165 Resp: 8026

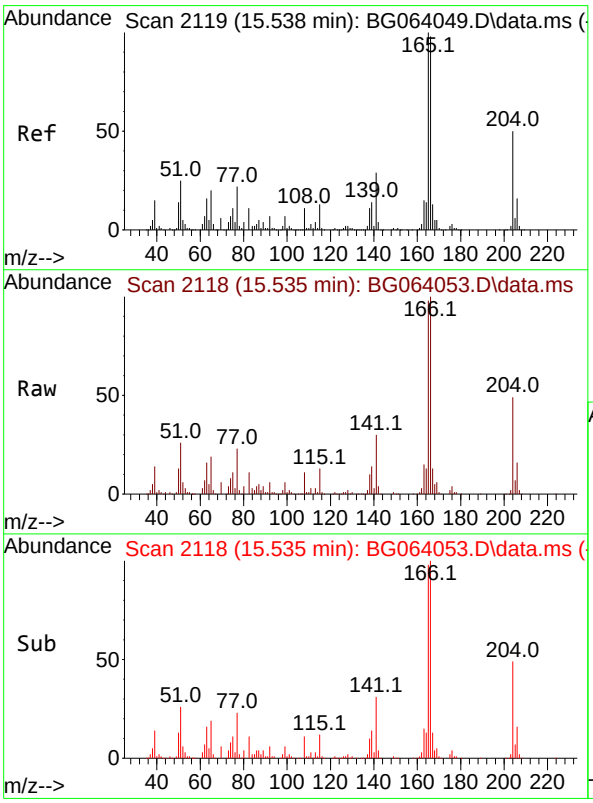
Ion	Ratio	Lower	Upper
165	100		
63	52.7	45.0	67.6
89	79.8	63.1	94.7
182	2.0	1.0	1.4#



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

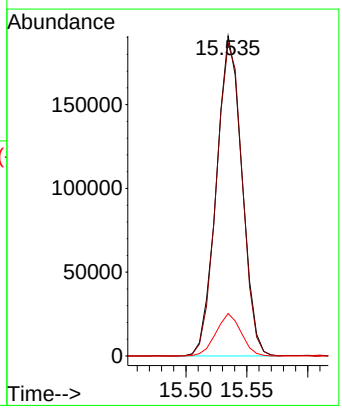
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

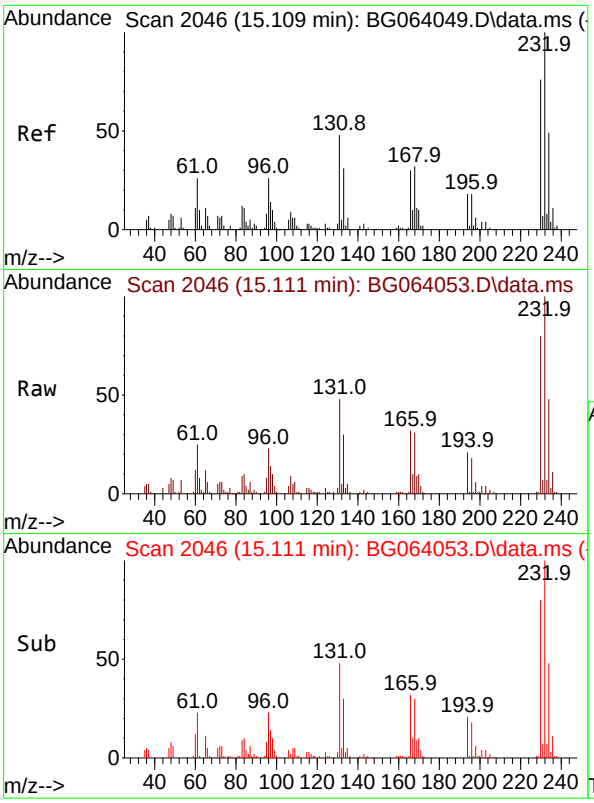


#58
Fluorene
Concen: 40.403 ng
RT: 15.535 min Scan# 2118
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:166 Resp: 279465

Ion	Ratio	Lower	Upper
166	100		
165	97.8	81.8	122.8
167	13.3	10.8	16.2

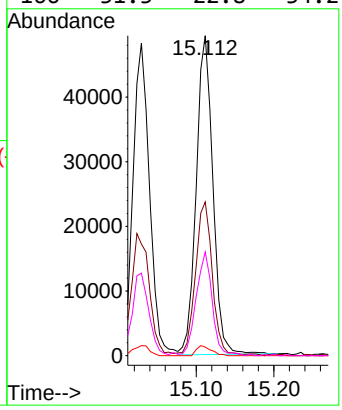




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.068 ng
RT: 15.111 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:232 Resp: 7357

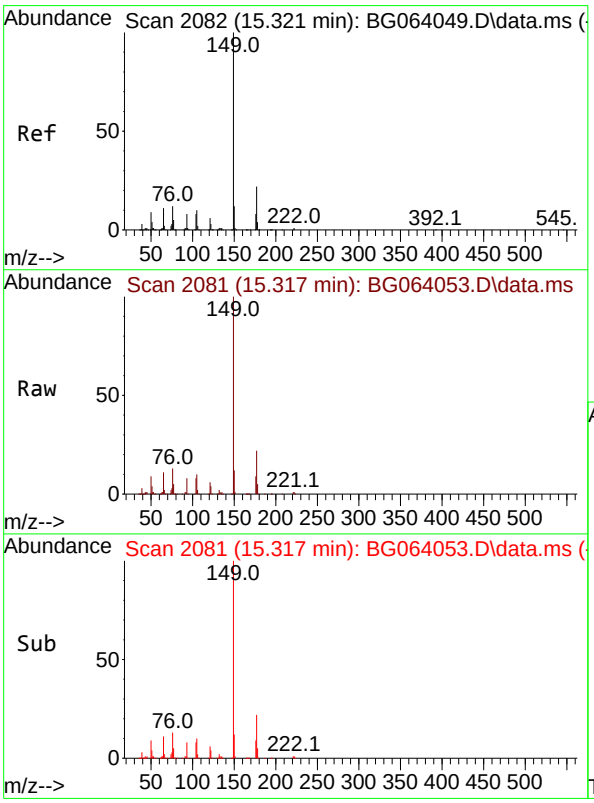
Ion	Ratio	Lower	Upper
232	100		
131	47.7	36.3	54.5
130	2.8	1.9	2.9
166	31.3	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

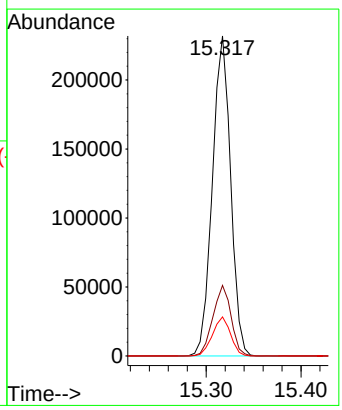
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

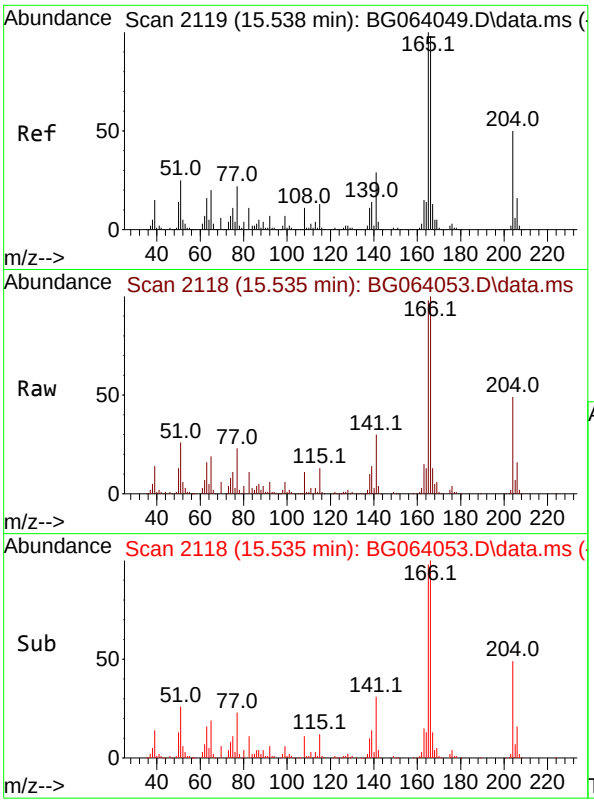


#60
Diethylphthalate
Concen: 41.198 ng
RT: 15.317 min Scan# 2081
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:149 Resp: 309434

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.4	26.2
150	12.2	9.4	14.2

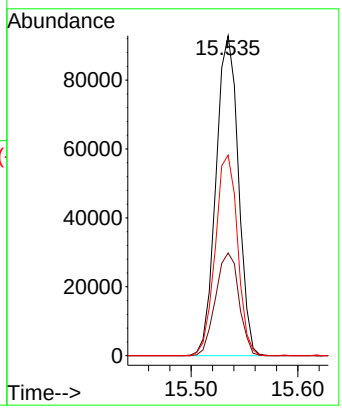




#61
4-Chlorophenyl-phenylether
Concen: 39.367 ng
RT: 15.535 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:204 Resp: 13531

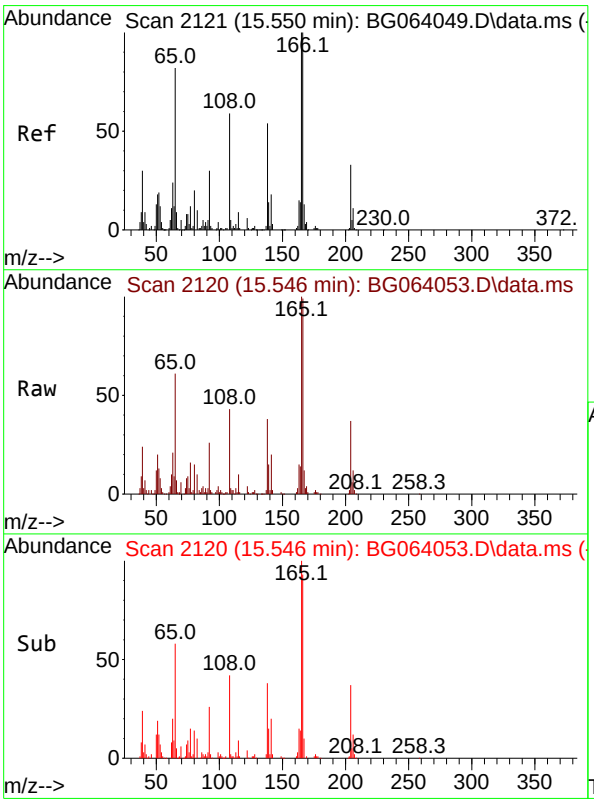
Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.5	38.3
141	62.7	45.4	68.0



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

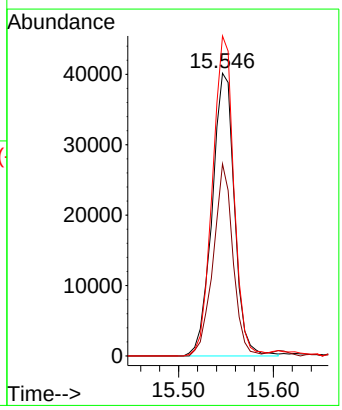
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

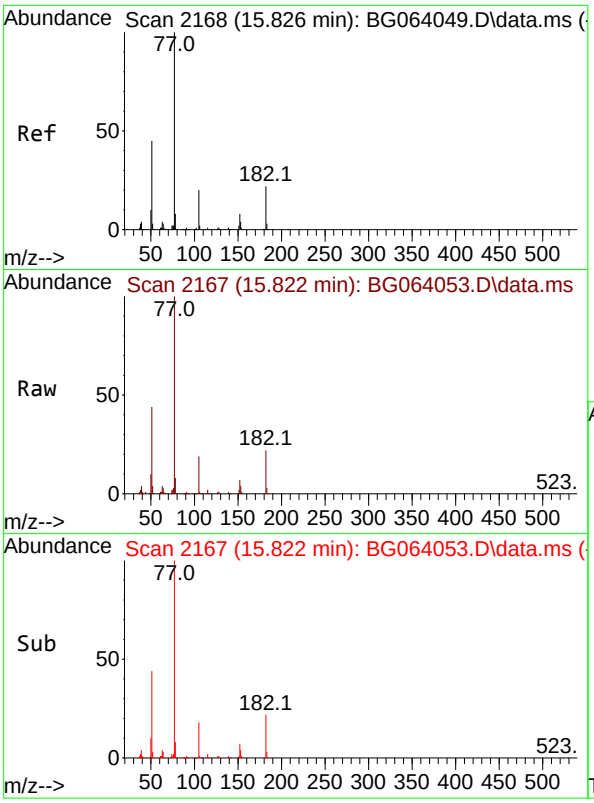


#62
4-Nitroaniline
Concen: 45.576 ng
RT: 15.546 min Scan# 2120
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:138 Resp: 65797

Ion	Ratio	Lower	Upper
138	100		
92	67.9	36.1	76.1
108	113.2	87.9	127.9

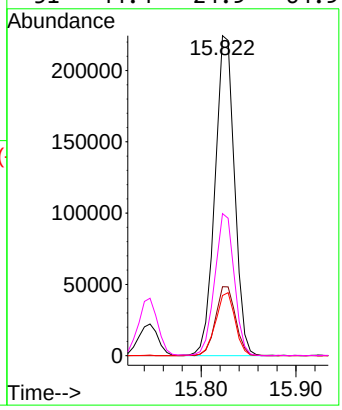




#63
Azobenzene
Concen: 40.137 ng
RT: 15.822 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 77 Resp: 32168

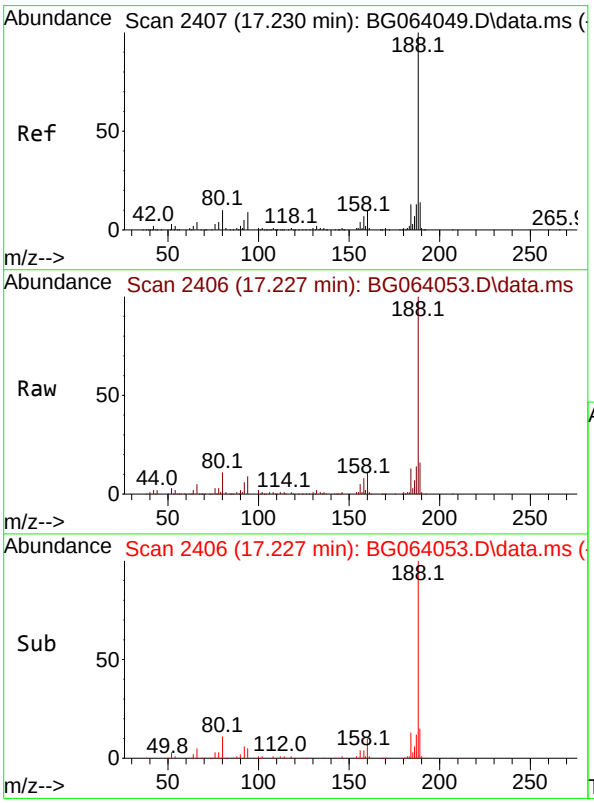
Ion	Ratio	Lower	Upper
77	100		
182	21.5	2.4	42.4
105	18.8	0.0	40.0
51	44.4	24.9	64.9



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

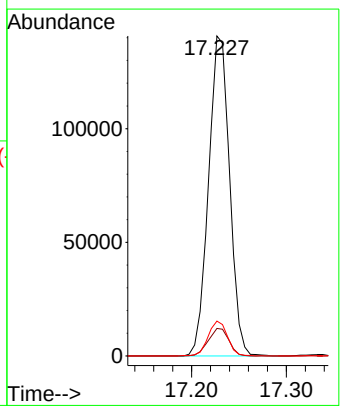
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

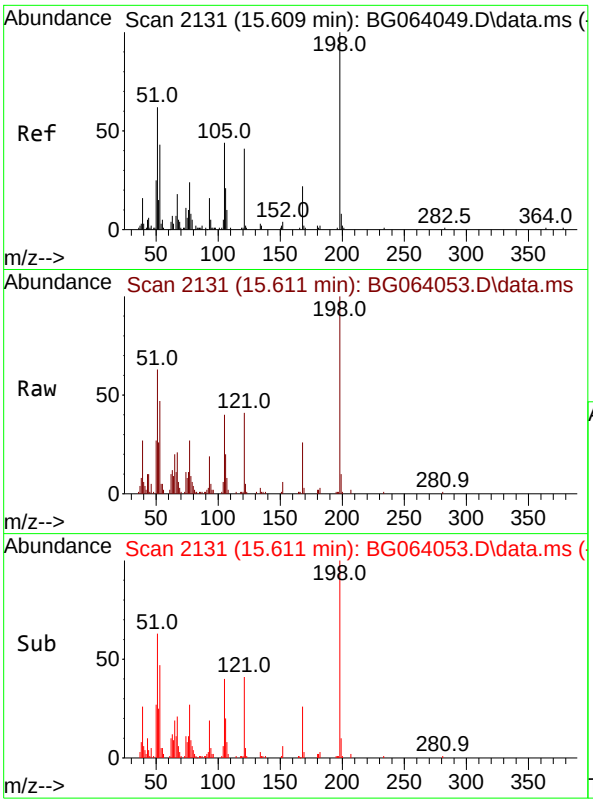


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:188 Resp: 217148

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	10.9	8.1	12.1

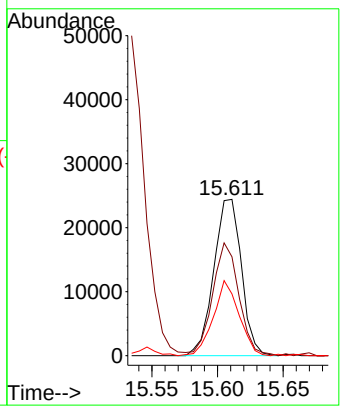




#65
4,6-Dinitro-2-methylphenol
Concen: 39.817 ng
RT: 15.611 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:198 Resp: 3577

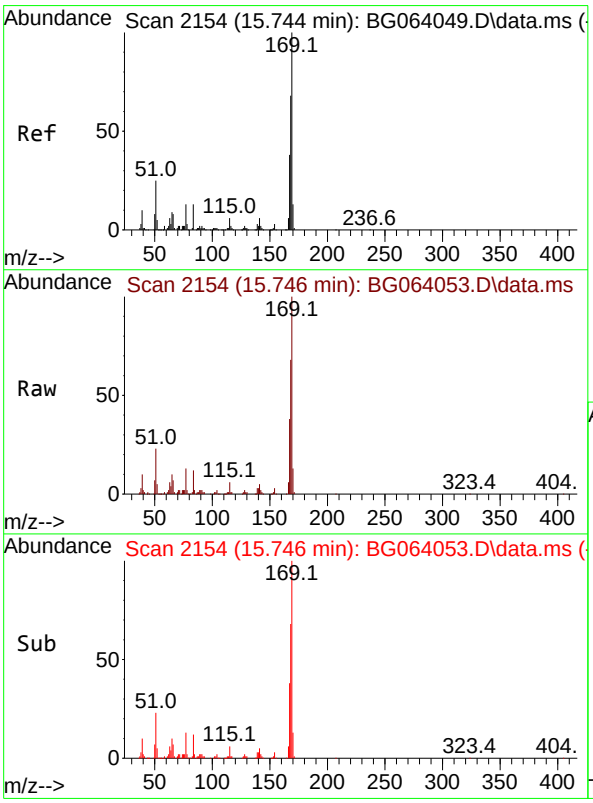
Ion	Ratio	Lower	Upper
198	100		
51	63.3	45.6	85.6
105	39.5	25.3	65.3



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

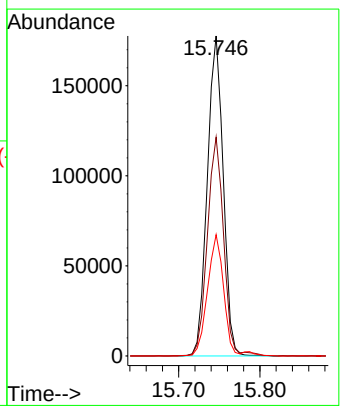
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

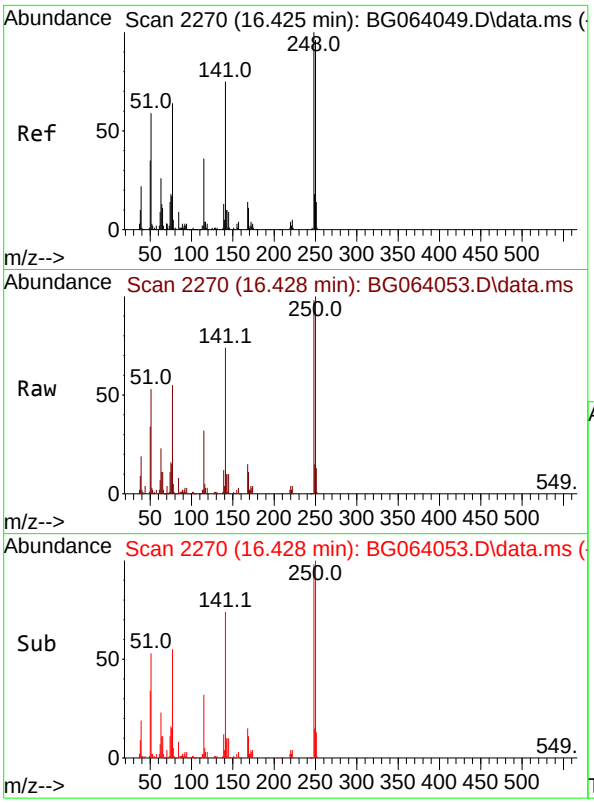


#66
n-Nitrosodiphenylamine
Concen: 39.248 ng
RT: 15.746 min Scan# 2154
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:169 Resp: 241241

Ion	Ratio	Lower	Upper
169	100		
168	68.4	54.1	81.1
167	37.9	30.3	45.5





#67
4-Bromophenyl-phenylether
Concen: 39.772 ng
RT: 16.428 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

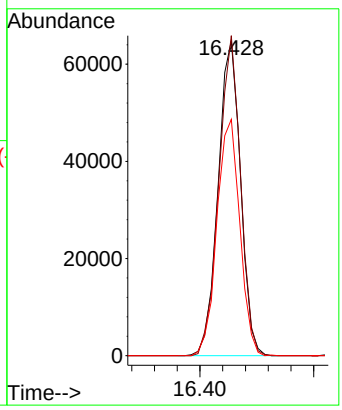
Tgt Ion:248 Resp: 8845

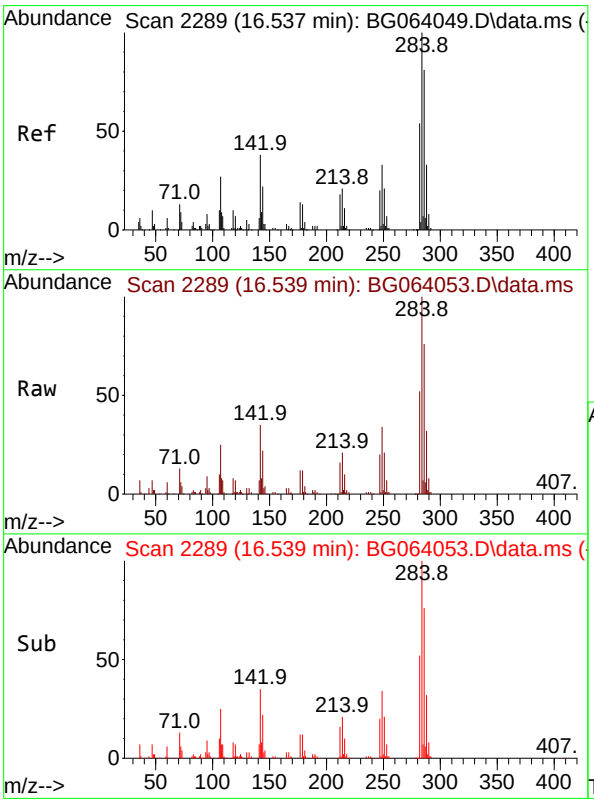
Ion	Ratio	Lower	Upper
248	100		
250	101.6	77.1	115.7
141	75.0	59.8	89.8

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

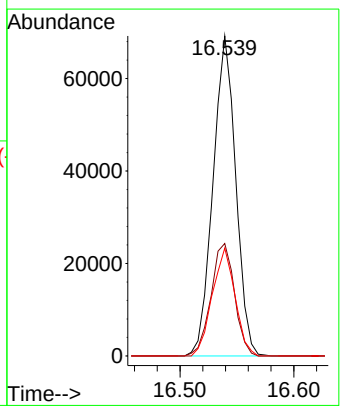


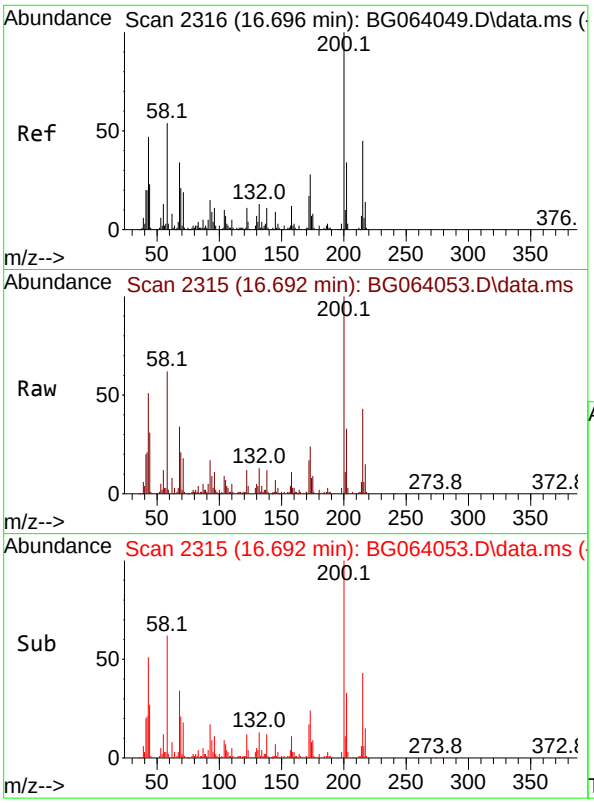


#68
Hexachlorobenzene
Concen: 38.611 ng
RT: 16.539 min Scan# 2289
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:284 Resp: 96136

Ion	Ratio	Lower	Upper
284	100		
142	35.2	30.6	45.8
249	33.7	26.6	39.8

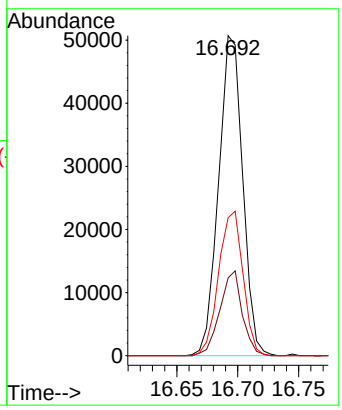




#69
Atrazine
Concen: 38.607 ng
RT: 16.692 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:200 Resp: 6982

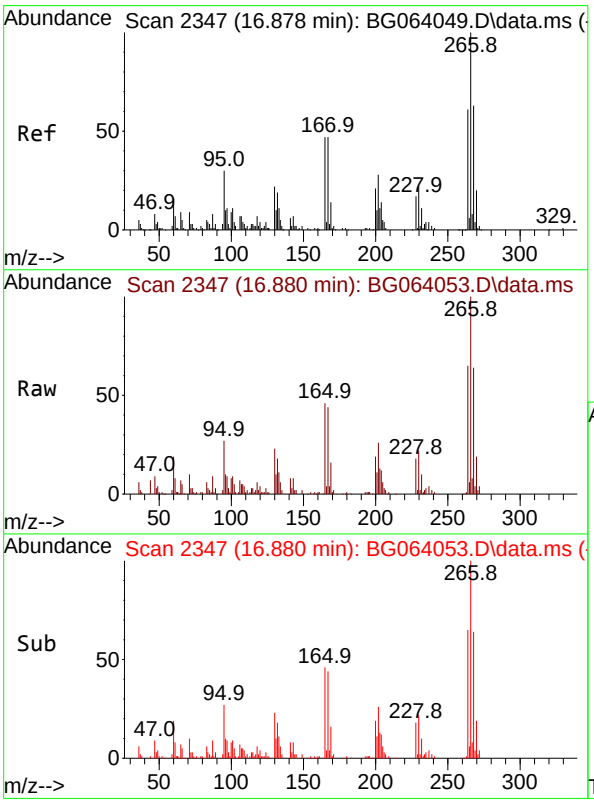
Ion	Ratio	Lower	Upper
200	100		
173	24.3	8.2	48.2
215	43.1	25.5	65.5



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

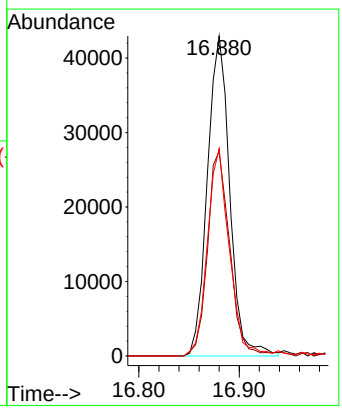
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

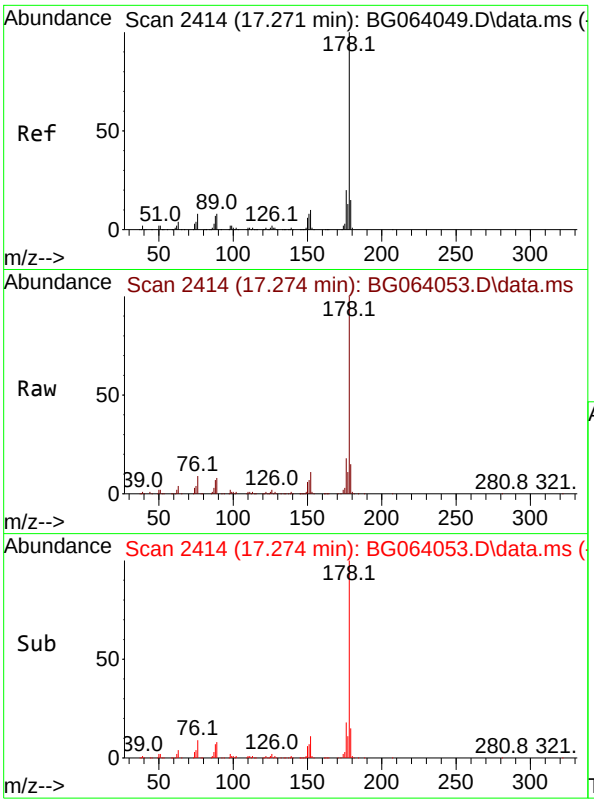


#70
Pentachlorophenol
Concen: 43.019 ng
RT: 16.880 min Scan# 2347
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:266 Resp: 66504

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.2	75.4
264	64.8	48.9	73.3

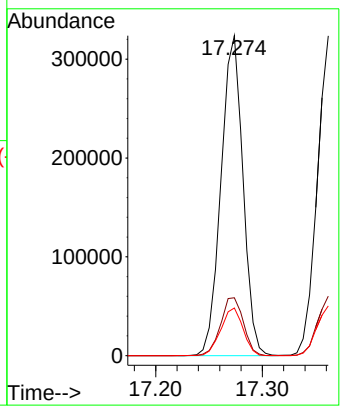




#71
Phenanthrene
Concen: 39.978 ng
RT: 17.274 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:178 Resp: 46302

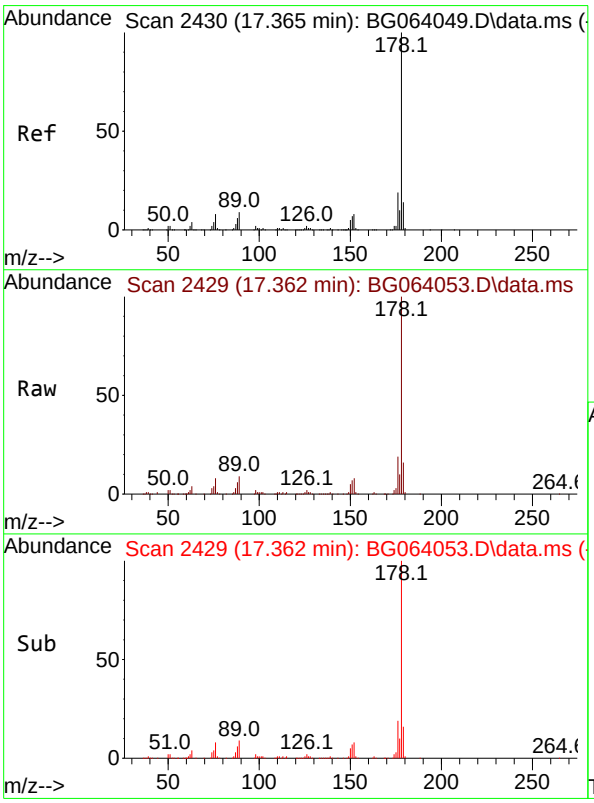
Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.9	23.9
179	14.9	12.2	18.2



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

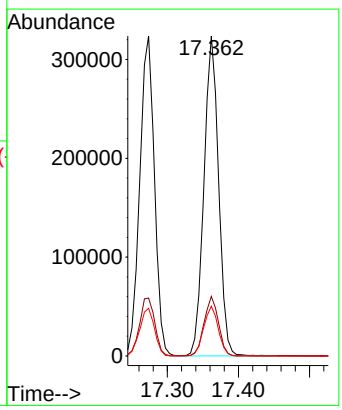
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

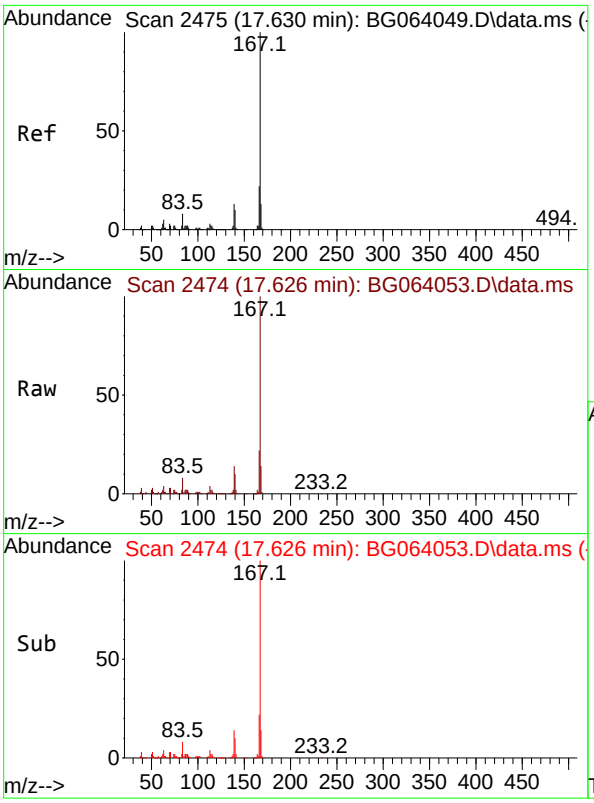


#72
Anthracene
Concen: 40.280 ng
RT: 17.362 min Scan# 2429
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:178 Resp: 463897

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.6	11.5	17.3

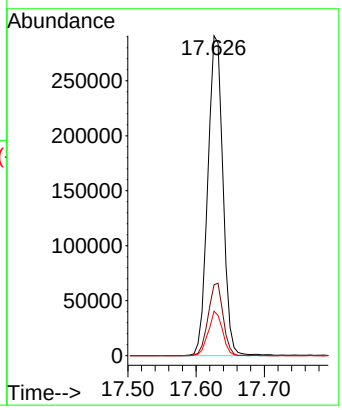




#73
Carbazole
Concen: 41.831 ng
RT: 17.626 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:167 Resp: 44980

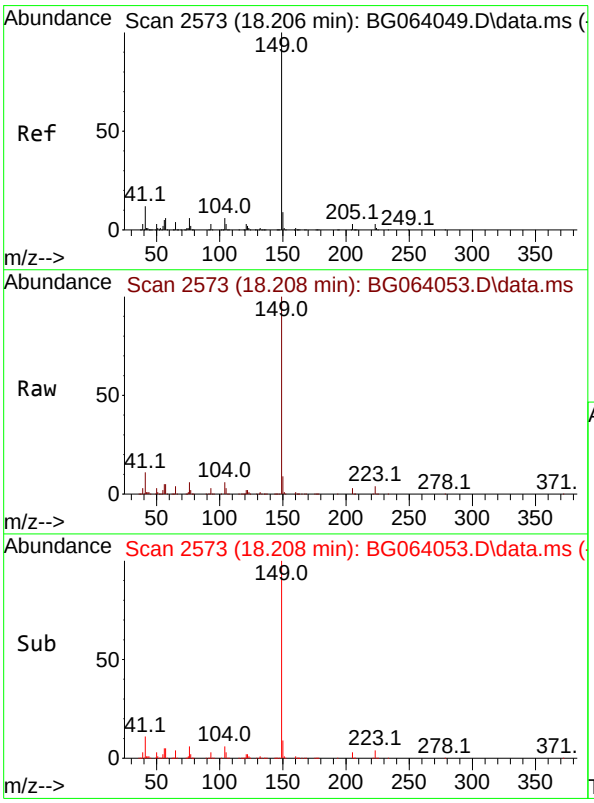
Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	13.9	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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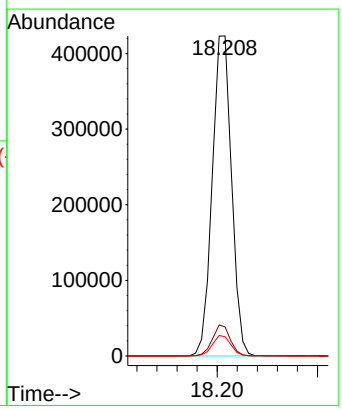
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

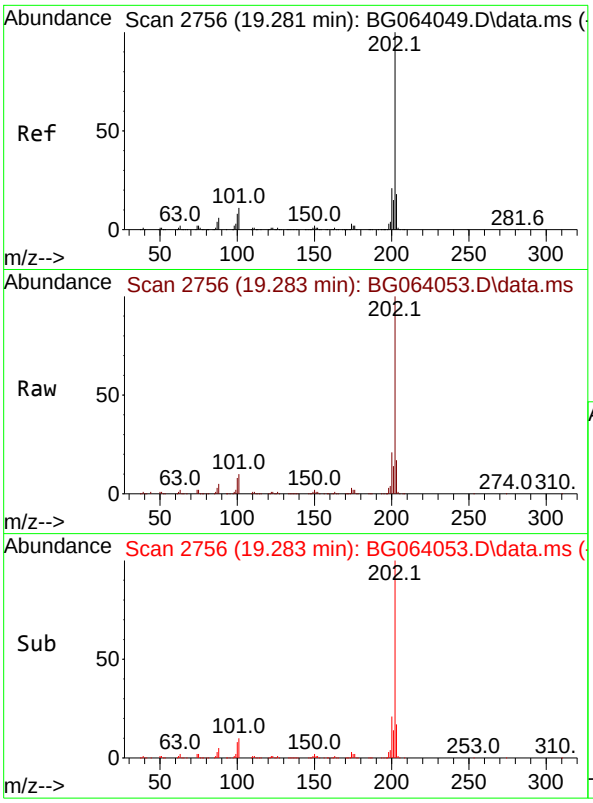


#74
Di-n-butylphthalate
Concen: 44.702 ng
RT: 18.208 min Scan# 2573
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:149 Resp: 565797

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	6.0	5.0	7.6





#75
Fluoranthene
Concen: 42.146 ng
RT: 19.283 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

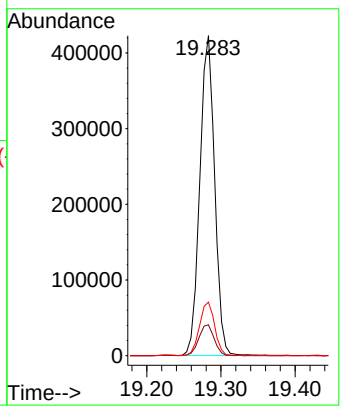
Tgt Ion:202 Resp: 58849

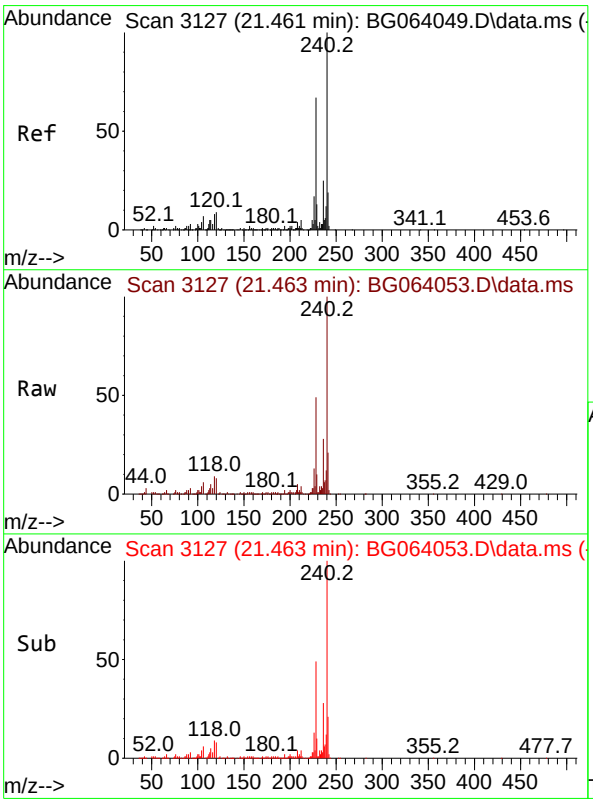
Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	30.5
203	16.8	0.0	38.3

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

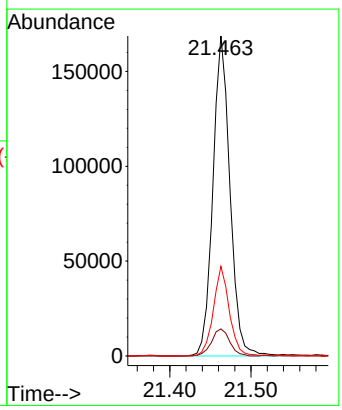


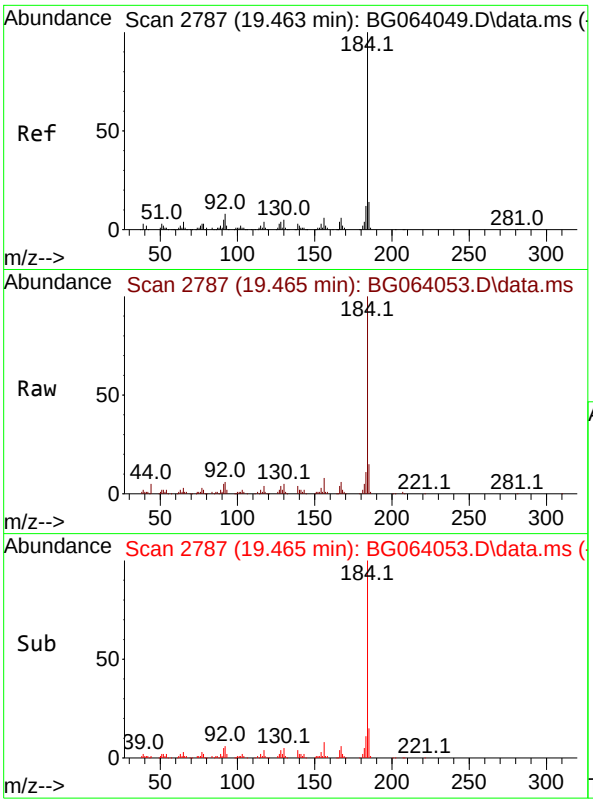


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.463 min Scan# 3127
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:240 Resp: 246166

Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.2	10.8
236	28.0	20.2	30.2

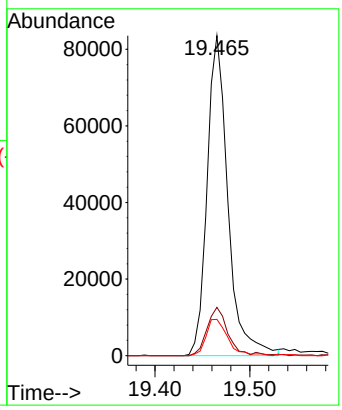




#77
Benzidine
Concen: 37.383 ng
RT: 19.465 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:184 Resp: 12742

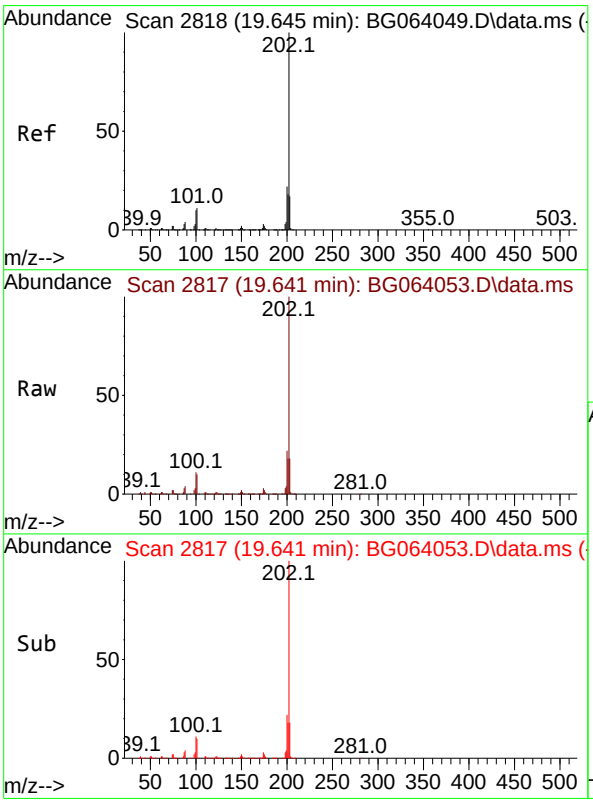
Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.3	16.9
183	11.3	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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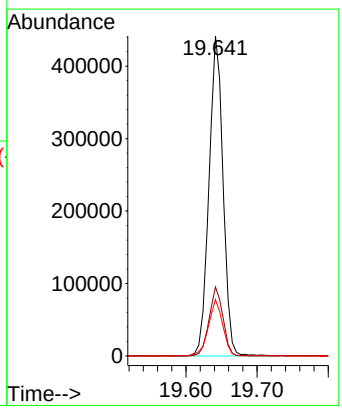
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

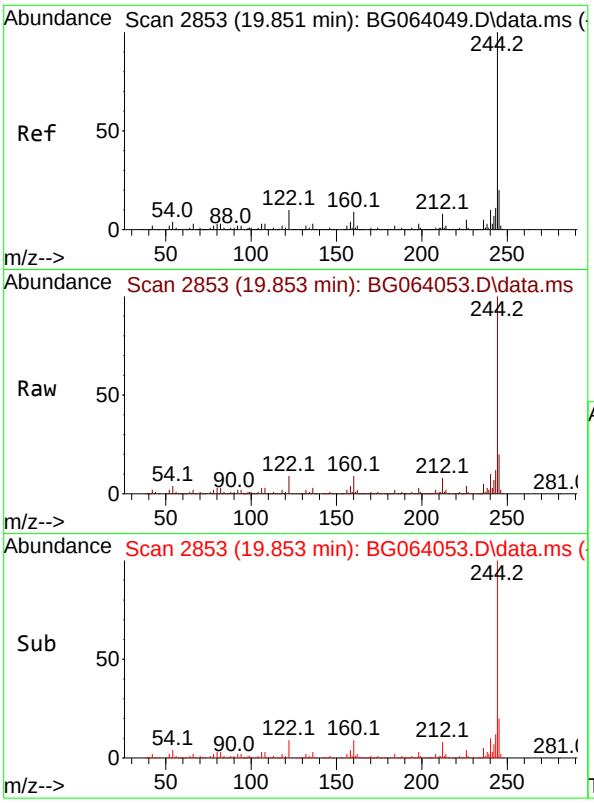


#78
Pyrene
Concen: 38.357 ng
RT: 19.641 min Scan# 2817
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:202 Resp: 608668

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9
203	17.6	13.6	20.4

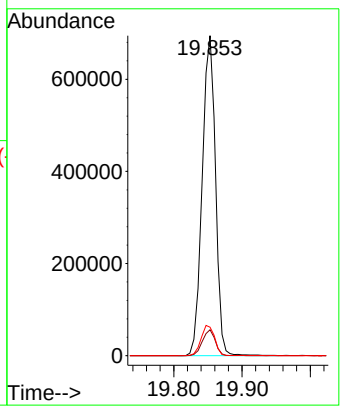




#79
Terphenyl-d14
Concen: 77.284 ng
RT: 19.853 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:244 Resp: 94088

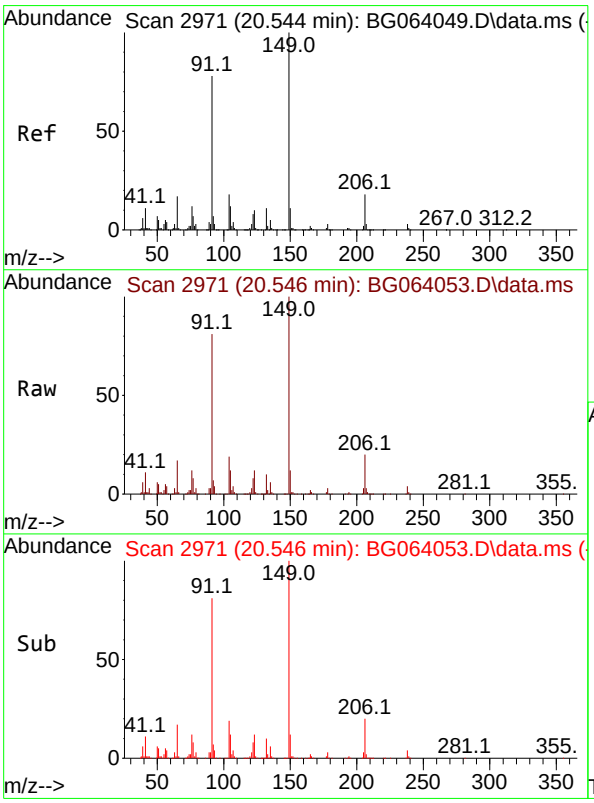
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	8.9	8.0	12.0



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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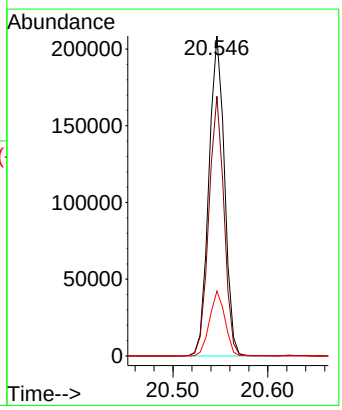
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

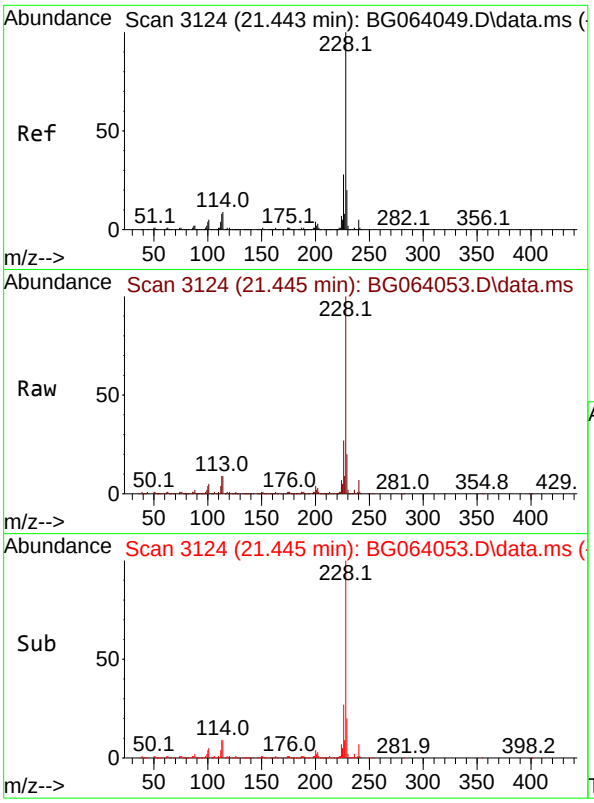


#80
Butylbenzylphthalate
Concen: 40.680 ng
RT: 20.546 min Scan# 2971
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:149 Resp: 238653

Ion	Ratio	Lower	Upper
149	100		
91	81.2	62.0	93.0
206	20.2	14.6	21.8

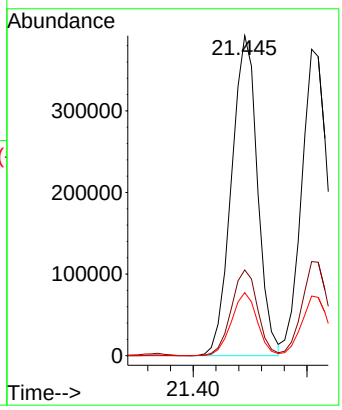




#81
Benzo(a)anthracene
Concen: 39.598 ng
RT: 21.445 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:228 Resp: 62440

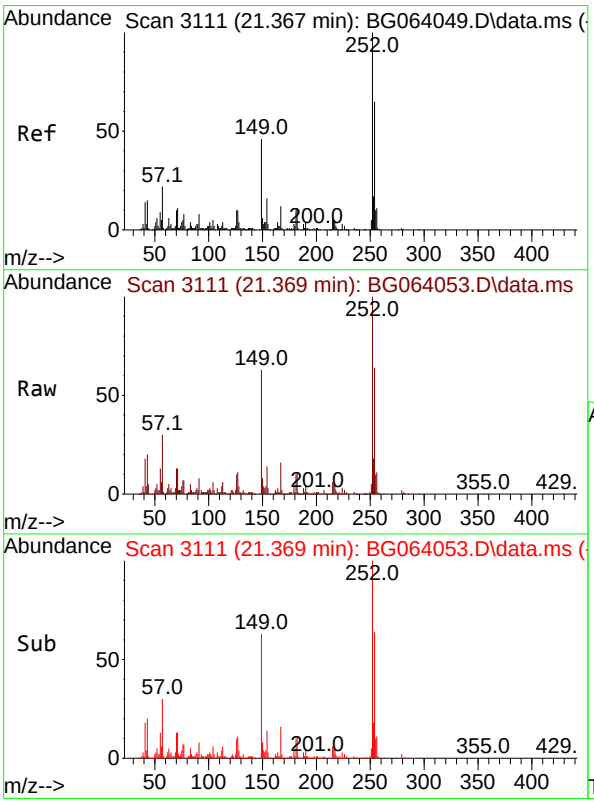
Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.2	33.2
229	19.7	16.4	24.6



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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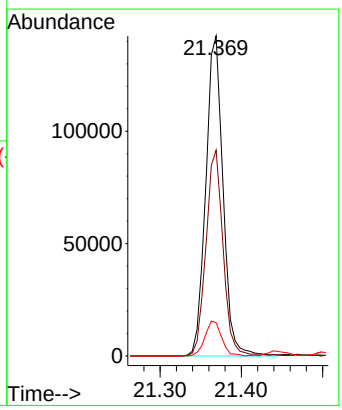
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

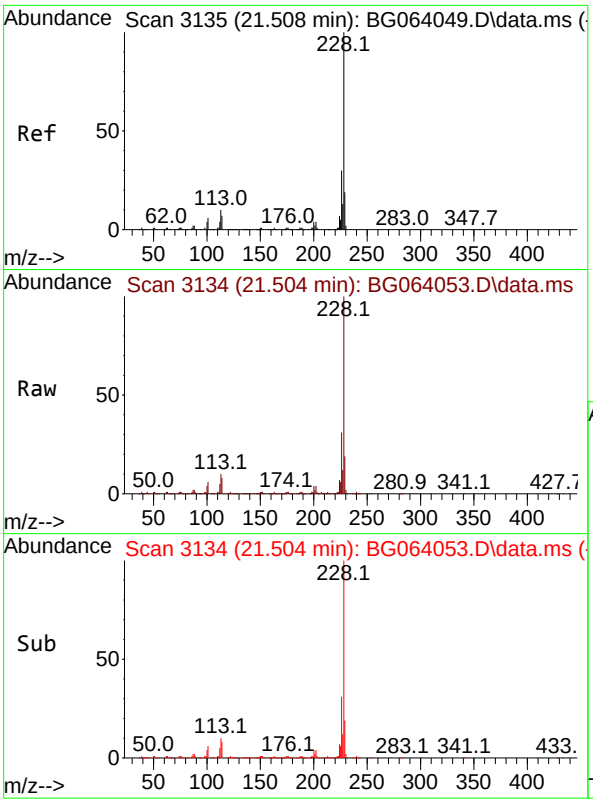


#82
3,3'-Dichlorobenzidine
Concen: 41.103 ng
RT: 21.369 min Scan# 3111
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:252 Resp: 209761

Ion	Ratio	Lower	Upper
252	100		
254	64.3	52.1	78.1
126	10.4	7.8	11.8

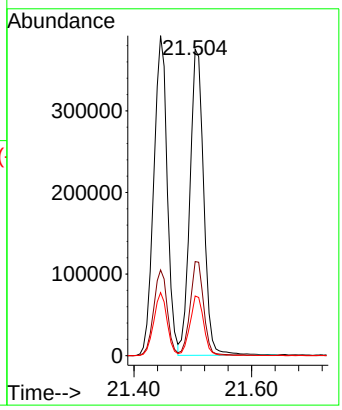




#83
Chrysene
Concen: 38.876 ng
RT: 21.504 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:228 Resp: 61141

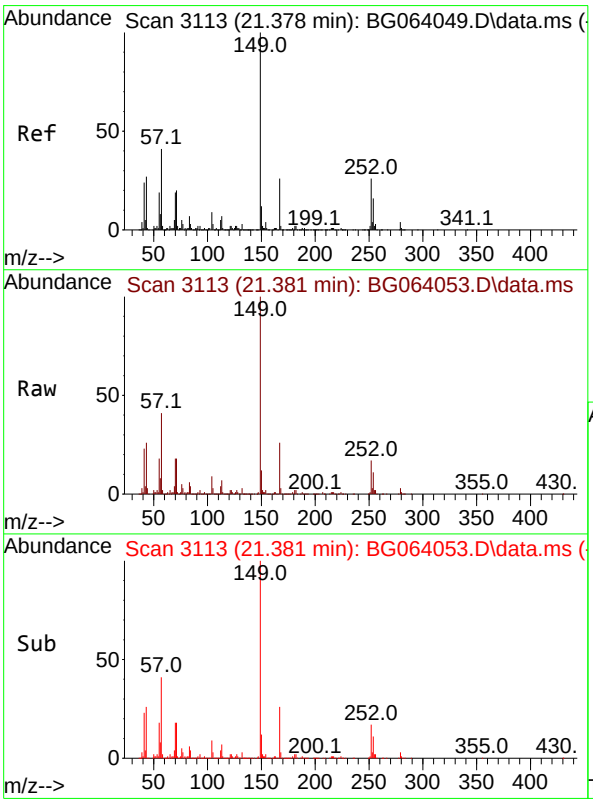
Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	19.5	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

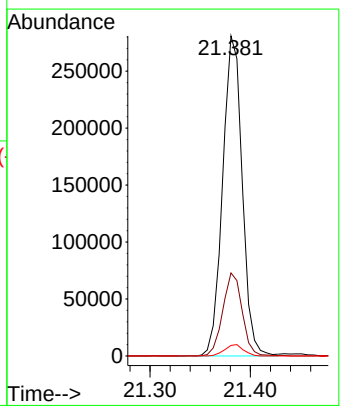
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

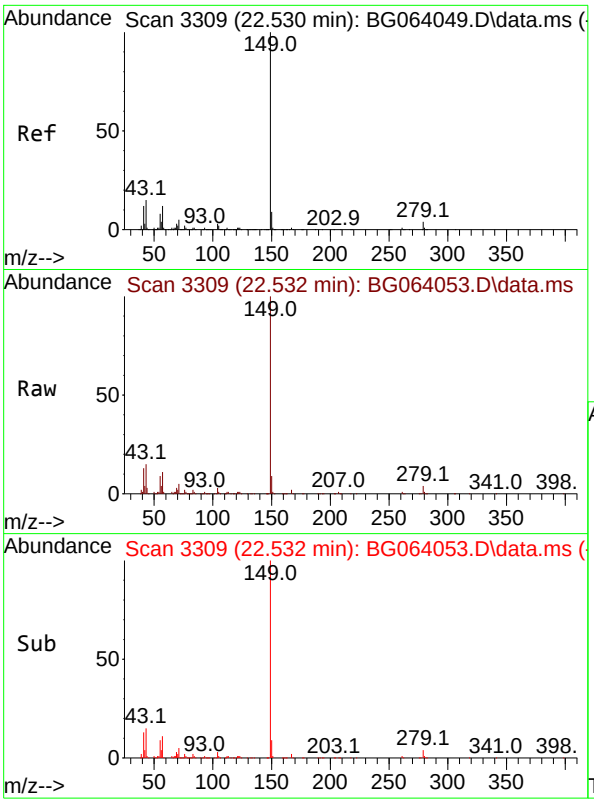


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.551 ng
RT: 21.381 min Scan# 3113
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:149 Resp: 379928

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.0	31.6
279	3.3	2.8	4.2

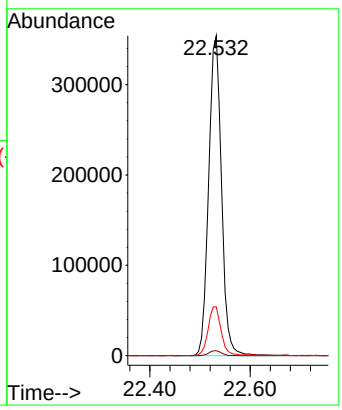




#85
Di-n-octyl phthalate
Concen: 42.688 ng
RT: 22.532 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:149 Resp: 62792

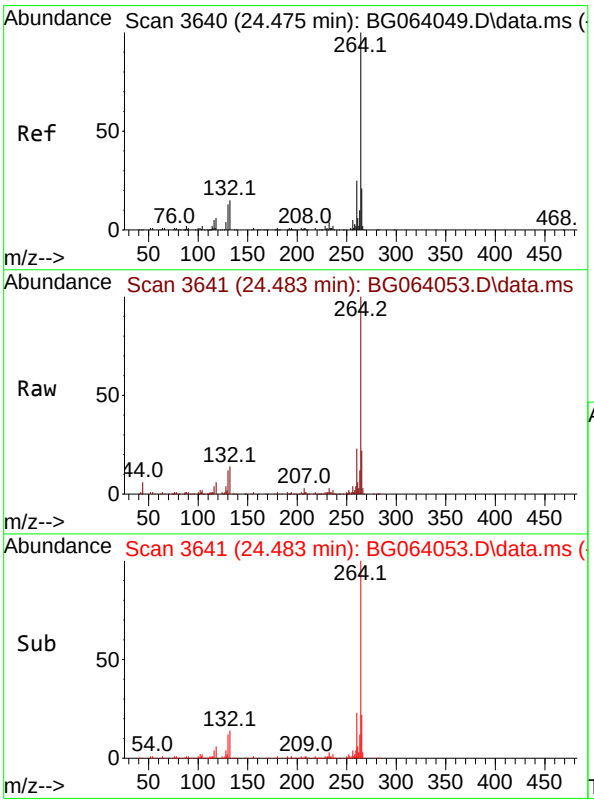
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	15.6	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

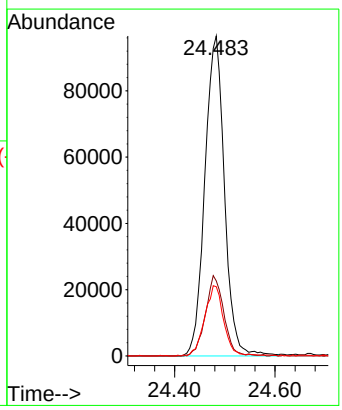
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

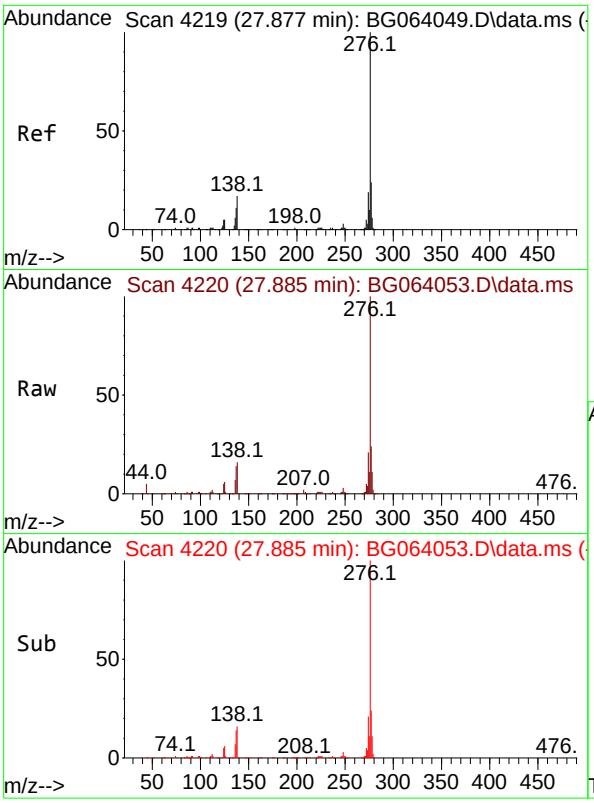


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.483 min Scan# 3641
Delta R.T. 0.008 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:264 Resp: 261789

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.6	29.4
265	21.7	16.6	25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 39.918 ng
RT: 27.885 min Scan# 4
Delta R.T. 0.008 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

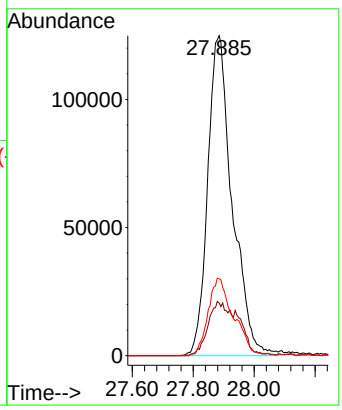
Tgt Ion:276 Resp: 69919

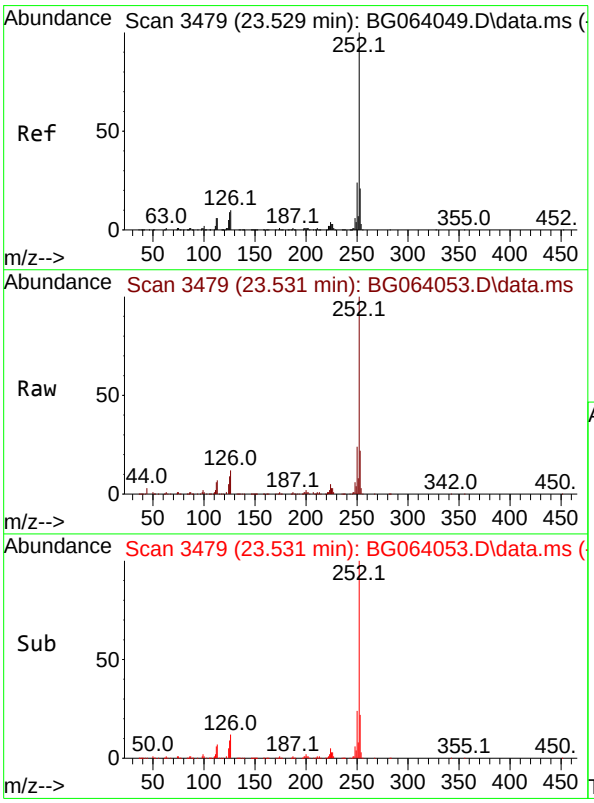
Ion	Ratio	Lower	Upper
276	100		
138	15.1	12.1	18.1
277	25.0	20.0	30.0

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

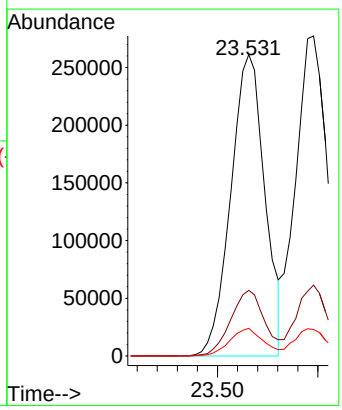


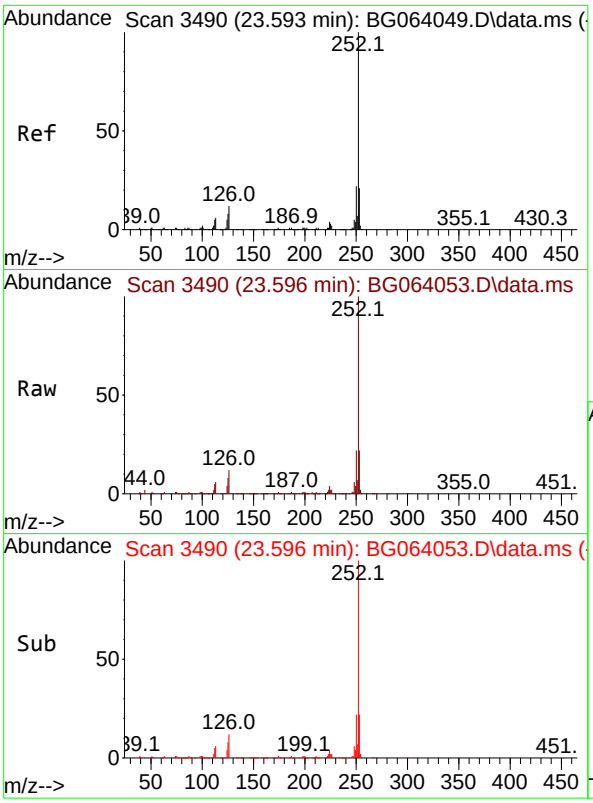


#88
Benzo(b)fluoranthene
Concen: 38.901 ng
RT: 23.531 min Scan# 3479
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:252 Resp: 615644

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.4
125	9.2	7.4	11.2

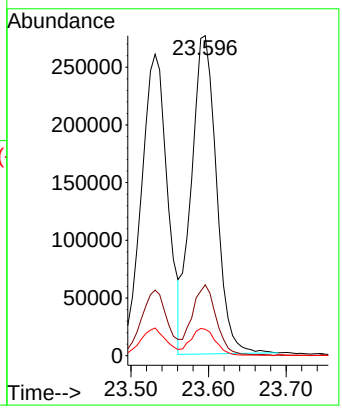




#89
Benzo(k)fluoranthene
Concen: 39.079 ng
RT: 23.596 min Scan# 34
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:252 Resp: 62044

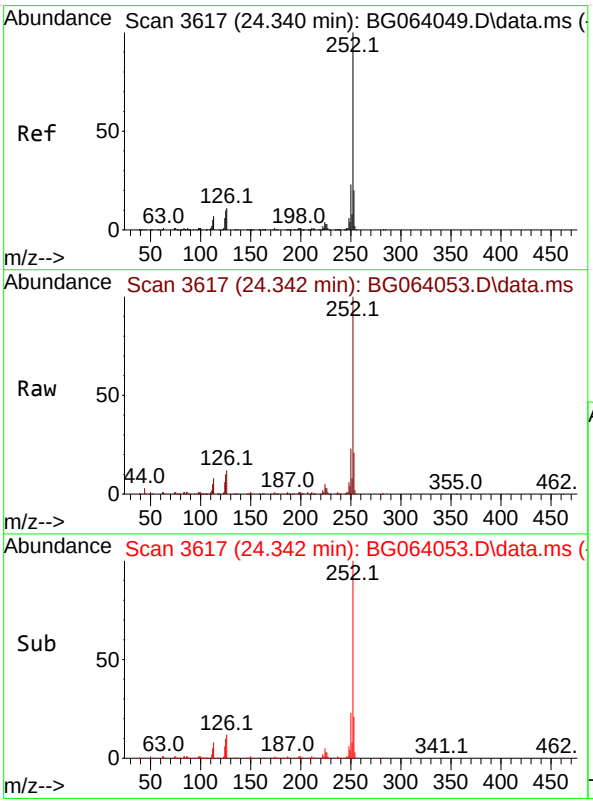
Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.8	25.2
125	8.2	6.9	10.3



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

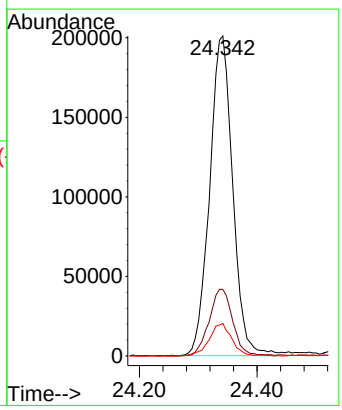
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

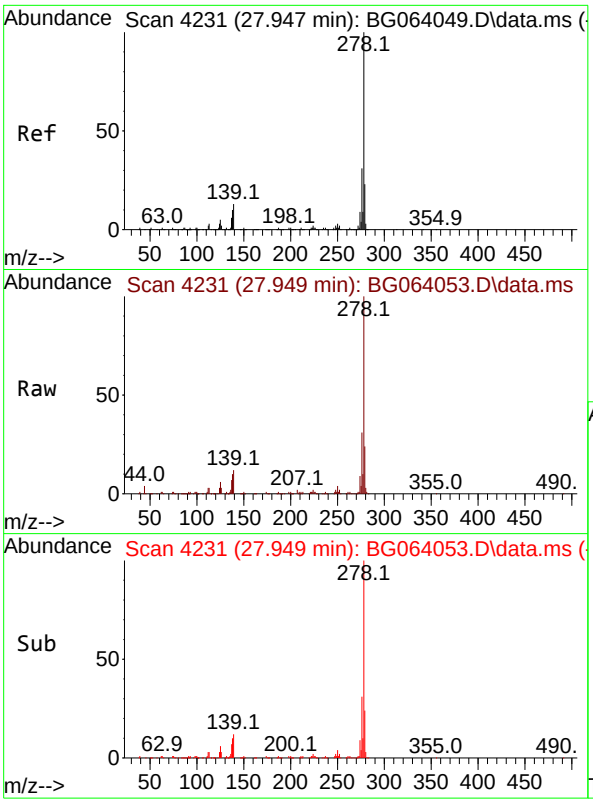


#90
Benzo(a)pyrene
Concen: 38.765 ng
RT: 24.342 min Scan# 3617
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:252 Resp: 546383

Ion	Ratio	Lower	Upper
252	100		
253	20.8	16.2	24.2
125	10.1	7.8	11.6

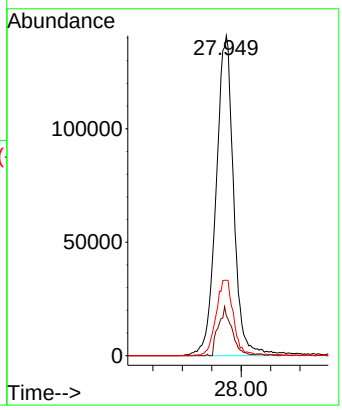




#91
Dibenzo(a,h)anthracene
Concen: 40.162 ng
RT: 27.949 min Scan# 4
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:278 Resp: 58319

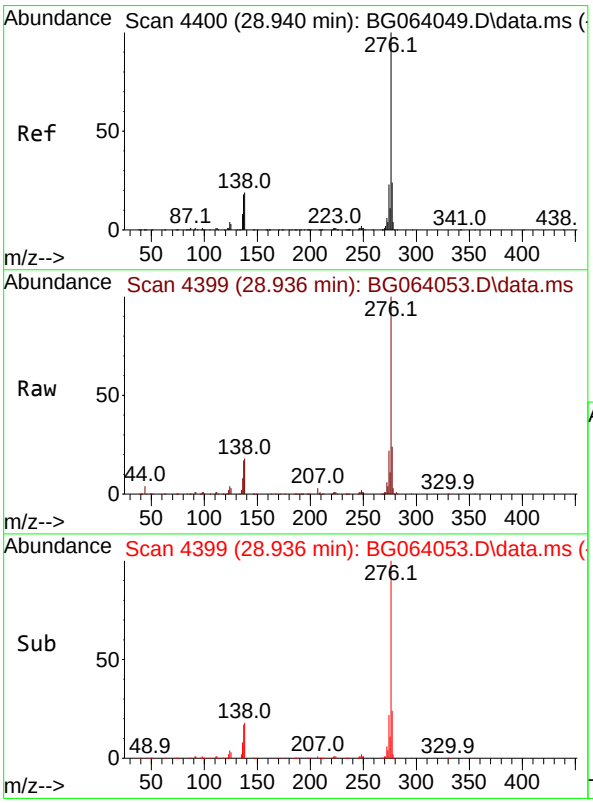
Ion	Ratio	Lower	Upper
278	100		
139	12.5	10.2	15.2
279	23.6	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

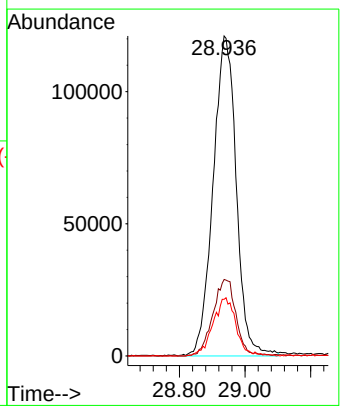
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025



#92
Benzo(g,h,i)perylene
Concen: 39.740 ng
RT: 28.936 min Scan# 4399
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:276 Resp: 592494

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.5	29.3
138	17.7	15.4	23.0



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
2		1,4-Dioxane	0.580	0.584	-0.7	97	0.00
3		Pyridine	1.412	1.409	0.2	87	0.00
4		n-Nitrosodimethylamine	1.009	1.008	0.1	92	0.00
5	S	2-Fluorophenol	1.281	1.262	1.5	91	0.00
6		Aniline	1.710	1.605	6.1	86	0.00
7	S	Phenol-d6	1.742	1.644	5.6	86	0.00
8		2-Chlorophenol	1.376	1.321	4.0	89	0.00
9		Benzaldehyde	1.013	0.965	4.7	93	0.00
10	C	Phenol	1.784	1.731	3.0	89	0.00
11		bis(2-Chloroethyl)ether	1.399	1.288	7.9	88	0.00
12		1,3-Dichlorobenzene	1.511	1.393	7.8	88	0.00
13	C	1,4-Dichlorobenzene	1.548	1.420	8.3	87	0.00
14		1,2-Dichlorobenzene	1.493	1.370	8.2	88	0.00
15		Benzyl Alcohol	1.346	1.280	4.9	87	0.00
16		2,2'-oxybis(1-Chloropropane	3.145	2.873	8.6	85	0.00
17		2-Methylphenol	1.184	1.115	5.8	85	0.00
18		Hexachloroethane	0.542	0.534	1.5	90	0.00
19	P	n-Nitroso-di-n-propylamine	1.223	1.090	10.9	80	0.00
20		3+4-Methylphenols	1.630	1.515	7.1	86	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	87	0.00
22		Acetophenone	0.548	0.539	1.6	83	0.00
23	S	Nitrobenzene-d5	0.362	0.381	-5.2	86	0.00
24		Nitrobenzene	0.374	0.395	-5.6	86	0.00
25		Isophorone	0.724	0.685	5.4	80	0.00
26	C	2-Nitrophenol	0.112	0.127	-13.4	91	0.00
27		2,4-Dimethylphenol	0.217	0.218	-0.5	83	0.00
28		bis(2-Chloroethoxy)methane	0.439	0.424	3.4	83	0.00
29	C	2,4-Dichlorophenol	0.274	0.282	-2.9	86	0.00
30		1,2,4-Trichlorobenzene	0.331	0.321	3.0	84	0.00
31		Naphthalene	1.078	1.062	1.5	86	0.00
32		Benzoic acid	0.170	0.178	-4.7	90	-0.02
33		4-Chloroaniline	0.394	0.394	0.0	82	0.00
34	C	Hexachlorobutadiene	0.217	0.215	0.9	86	0.00
35		Caprolactam	0.105	0.111	-5.7	87	-0.02
36	C	4-Chloro-3-methylphenol	0.359	0.356	0.8	83	0.00
37		2-Methylnaphthalene	0.761	0.732	3.8	84	0.00
38		1-Methylnaphthalene	0.746	0.722	3.2	83	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	0.571	0.566	0.9	80	0.00
41	P	Hexachlorocyclopentadiene	0.161	0.176	-9.3	83	0.00
42	S	2,4,6-Tribromophenol	0.222	0.251	-13.1	86	0.00
43	C	2,4,6-Trichlorophenol	0.337	0.355	-5.3	82	0.00
44		2,4,5-Trichlorophenol	0.374	0.398	-6.4	81	0.00
45	S	2-Fluorobiphenyl	1.318	1.321	-0.2	80	0.00
46		1,1'-Biphenyl	1.511	1.518	-0.5	82	0.00
47		2-Chloronaphthalene	1.102	1.111	-0.8	81	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.318	0.367	-15.4	87	0.00
49		Acenaphthylene	1.743	1.767	-1.4	82	0.00
50		Dimethylphthalate	1.476	1.466	0.7	80	0.00
51		2,6-Dinitrotoluene	0.261	0.300	-14.9	85	0.00
52	C	Acenaphthene	1.170	1.182	-1.0	82	0.00
53		3-Nitroaniline	0.285	0.321	-12.6	84	0.00
54	P	2,4-Dinitrophenol	0.102	0.115	-12.7	95	0.00
55		Dibenzofuran	1.895	1.896	-0.1	81	0.00
56	P	4-Nitrophenol	0.239	0.284	-18.8	91	0.00
57		2,4-Dinitrotoluene	0.357	0.428	-19.9	88	0.00
58		Fluorene	1.476	1.491	-1.0	83	0.00
59		2,3,4,6-Tetrachlorophenol	0.365	0.392	-7.4	82	0.00
60		Diethylphthalate	1.603	1.651	-3.0	82	0.00
61		4-Chlorophenyl-phenylether	0.733	0.722	1.5	81	0.00
62		4-Nitroaniline	0.308	0.351	-14.0	84	0.00
63		Azobenzene	1.710	1.716	-0.4	81	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65		4,6-Dinitro-2-methylphenol	0.076	0.082	-7.9	93	0.00
66	c	n-Nitrosodiphenylamine	0.566	0.555	1.9	80	0.00
67		4-Bromophenyl-phenylether	0.205	0.204	0.5	81	0.00
68		Hexachlorobenzene	0.229	0.221	3.5	81	0.00
69		Atrazine	0.167	0.161	3.6	84	0.00
70	C	Pentachlorophenol	0.142	0.153	-7.7	86	0.00
71		Phenanthrene	1.067	1.066	0.1	83	0.00
72		Anthracene	1.061	1.068	-0.7	82	0.00
73		Carbazole	0.990	1.036	-4.6	84	0.00
74		Di-n-butylphthalate	1.166	1.303	-11.7	87	0.00
75	C	Fluoranthene	1.286	1.355	-5.4	86	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	90	0.00
77		Benzidine	0.277	0.259	6.5	75	0.00
78		Pyrene	1.289	1.236	4.1	85	0.00
79	S	Terphenyl-d14	0.989	0.956	3.3	86	0.00
80		Butylbenzylphthalate	0.423	0.485	-14.7	94	0.00
81		Benzo(a)anthracene	1.281	1.268	1.0	88	0.00
82		3,3'-Dichlorobenzidine	0.415	0.426	-2.7	86	0.00
83		Chrysene	1.278	1.242	2.8	86	0.00
84		Bis(2-ethylhexyl)phthalate	0.693	0.772	-11.4	92	0.00
85	c	Di-n-octyl phthalate	1.195	1.275	-6.7	93	0.00
86	I	Perylene-d12	1.000	1.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	1.338	1.335	0.2	88	0.00
88		Benzo(b)fluoranthene	1.209	1.176	2.7	87	0.00
89		Benzo(k)fluoranthene	1.213	1.185	2.3	85	0.00
90	C	Benzo(a)pyrene	1.077	1.044	3.1	85	0.00
91		Dibenzo(a,h)anthracene	1.109	1.114	-0.5	89	0.00
92		Benzo(g,h,i)perylene	1.139	1.132	0.6	89	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
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Instrument :
BNA_G
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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	97	0.00
2		1,4-Dioxane	40.000	40.218	-0.5	97	0.00
3		Pyridine	40.000	39.931	0.2	87	0.00
4		n-Nitrosodimethylamine	40.000	39.980	0.1	92	0.00
5	S	2-Fluorophenol	80.000	78.823	1.5	91	0.00
6		Aniline	40.000	37.544	6.1	86	0.00
7	S	Phenol-d6	80.000	75.496	5.6	86	0.00
8		2-Chlorophenol	40.000	38.417	4.0	89	0.00
9		Benzaldehyde	40.000	38.087	4.8	93	0.00
10	C	Phenol	40.000	38.806	3.0	89	0.00
11		bis(2-Chloroethyl)ether	40.000	36.822	7.9	88	0.00
12		1,3-Dichlorobenzene	40.000	36.876	7.8	88	0.00
13	C	1,4-Dichlorobenzene	40.000	36.676	8.3	87	0.00
14		1,2-Dichlorobenzene	40.000	36.695	8.3	88	0.00
15		Benzyl Alcohol	40.000	38.023	4.9	87	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.540	8.7	85	0.00
17		2-Methylphenol	40.000	37.680	5.8	85	0.00
18		Hexachloroethane	40.000	39.404	1.5	90	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	35.648	10.9	80	0.00
20		3+4-Methylphenols	40.000	37.166	7.1	86	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	87	0.00
22		Acetophenone	40.000	39.285	1.8	83	0.00
23	S	Nitrobenzene-d5	80.000	84.279	-5.3	86	0.00
24		Nitrobenzene	40.000	42.208	-5.5	86	0.00
25		Isophorone	40.000	37.823	5.4	80	0.00
26	C	2-Nitrophenol	40.000	40.946	-2.4	91	0.00
27		2,4-Dimethylphenol	40.000	40.139	-0.3	83	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.620	3.5	83	0.00
29	C	2,4-Dichlorophenol	40.000	41.154	-2.9	86	0.00
30		1,2,4-Trichlorobenzene	40.000	38.802	3.0	84	0.00
31		Naphthalene	40.000	39.402	1.5	86	0.00
32		Benzoic acid	40.000	37.906	5.2	90	-0.02
33		4-Chloroaniline	40.000	39.949	0.1	82	0.00
34	C	Hexachlorobutadiene	40.000	39.720	0.7	86	0.00
35		Caprolactam	40.000	42.084	-5.2	87	-0.02
36	C	4-Chloro-3-methylphenol	40.000	39.649	0.9	83	0.00
37		2-Methylnaphthalene	40.000	38.463	3.8	84	0.00
38		1-Methylnaphthalene	40.000	38.724	3.2	83	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.630	0.9	80	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.873	-9.7	83	0.00
42	S	2,4,6-Tribromophenol	80.000	90.311	-12.9	86	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.165	-5.4	82	0.00
44		2,4,5-Trichlorophenol	40.000	42.561	-6.4	81	0.00
45	S	2-Fluorobiphenyl	80.000	80.186	-0.2	80	0.00
46		1,1'-Biphenyl	40.000	40.196	-0.5	82	0.00
47		2-Chloronaphthalene	40.000	40.309	-0.8	81	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.405	-3.5	87	0.00
49		Acenaphthylene	40.000	40.537	-1.3	82	0.00
50		Dimethylphthalate	40.000	39.712	0.7	80	0.00
51		2,6-Dinitrotoluene	40.000	40.625	-1.6	85	0.00
52	C	Acenaphthene	40.000	40.428	-1.1	82	0.00
53		3-Nitroaniline	40.000	45.042	-12.6	84	0.00
54	P	2,4-Dinitrophenol	40.000	41.197	-3.0	95	0.00
55		Dibenzofuran	40.000	40.014	-0.0	81	0.00
56	P	4-Nitrophenol	40.000	47.537	-18.8	91	0.00
57		2,4-Dinitrotoluene	40.000	41.944	-4.9	88	0.00
58		Fluorene	40.000	40.403	-1.0	83	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	43.068	-7.7	82	0.00
60		Diethylphthalate	40.000	41.198	-3.0	82	0.00
61		4-Chlorophenyl-phenylether	40.000	39.367	1.6	81	0.00
62		4-Nitroaniline	40.000	45.576	-13.9	84	0.00
63		Azobenzene	40.000	40.137	-0.3	81	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.817	0.5	93	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.248	1.9	80	0.00
67		4-Bromophenyl-phenylether	40.000	39.772	0.6	81	0.00
68		Hexachlorobenzene	40.000	38.611	3.5	81	0.00
69		Atrazine	40.000	38.607	3.5	84	0.00
70	C	Pentachlorophenol	40.000	43.019	-7.5	86	0.00
71		Phenanthrene	40.000	39.978	0.1	83	0.00
72		Anthracene	40.000	40.280	-0.7	82	0.00
73		Carbazole	40.000	41.831	-4.6	84	0.00
74		Di-n-butylphthalate	40.000	44.702	-11.8	87	0.00
75	C	Fluoranthene	40.000	42.146	-5.4	86	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	90	0.00
77		Benzidine	40.000	37.383	6.5	75	0.00
78		Pyrene	40.000	38.357	4.1	85	0.00
79	S	Terphenyl-d14	80.000	77.284	3.4	86	0.00
80		Butylbenzylphthalate	40.000	40.680	-1.7	94	0.00
81		Benzo(a)anthracene	40.000	39.598	1.0	88	0.00
82		3,3'-Dichlorobenzidine	40.000	41.103	-2.8	86	0.00
83		Chrysene	40.000	38.876	2.8	86	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.551	-11.4	92	0.00
85	c	Di-n-octyl phthalate	40.000	42.688	-6.7	93	0.00
86	I	Perylene-d12	20.000	20.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.918	0.2	88	0.00
88		Benzo(b)fluoranthene	40.000	38.901	2.7	87	0.00
89		Benzo(k)fluoranthene	40.000	39.079	2.3	85	0.00
90	C	Benzo(a)pyrene	40.000	38.765	3.1	85	0.00
91		Dibenzo(a,h)anthracene	40.000	40.162	-0.4	89	0.00
92		Benzo(g,h,i)perylene	40.000	39.740	0.6	89	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: BNA_F Calibration Date/Time: 03/07/2025 08:56

Lab File ID: BF141882.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.414	1.348		-4.7	
2-Fluorophenol	1.252	1.256		0.3	
Phenol-d6	1.630	1.579		-3.1	
1,4-Dichlorobenzene	1.462	1.487		1.7	20.0
2-Methylphenol	1.118	1.079		-3.5	
3+4-Methylphenols	1.392	1.368		-1.7	
Nitrobenzene-d5	0.313	0.378		20.8	
Hexachloroethane	0.547	0.553		1.1	
Nitrobenzene	0.335	0.376		12.2	
Hexachlorobutadiene	0.194	0.214		10.3	20.0
2,4,6-Trichlorophenol	0.373	0.408		9.4	20.0
2-Fluorobiphenyl	1.247	1.329		6.6	
2,4,5-Trichlorophenol	0.369	0.436		18.2	
2,4-Dinitrotoluene	0.269	0.415		54.3	
2,4,6-Tribromophenol	0.188	0.260		38.3	
Hexachlorobenzene	0.247	0.280		13.4	
Pentachlorophenol	0.156	0.195		25.0	20.0
Terphenyl-d14	1.236	1.349		9.1	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	205331	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	782990	20.000	ng	#	0.00
39) Acenaphthene-d10	9.922	164	424782	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	725251	20.000	ng		0.00
76) Chrysene-d12	14.045	240	490278	20.000	ng	#	0.00
86) Perylene-d12	15.516	264	391726	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.499	112	1031377	80.217	ng		0.00
7) Phenol-d6	6.510	99	1296674	77.483	ng		0.00
23) Nitrobenzene-d5	7.451	82	1184936	96.733	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	442578	110.979	ng		0.00
45) 2-Fluorobiphenyl	9.245	172	2257414	85.212	ng		0.00
79) Terphenyl-d14	12.992	244	2645443	87.300	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	224036	38.402	ng		94
3) Pyridine	3.452	79	553758	38.149	ng		94
4) n-Nitrosodimethylamine	3.405	42	267805	38.344	ng	#	95
6) Aniline	6.551	93	641254	36.857	ng		99
8) 2-Chlorophenol	6.669	128	553709	39.810	ng		98
9) Benzaldehyde	6.440	77	321005	32.976	ng		98
10) Phenol	6.522	94	685809	38.350	ng		94
11) bis(2-Chloroethyl)ether	6.622	93	498913	36.600	ng		95
12) 1,3-Dichlorobenzene	6.828	146	601225	40.364	ng		99
13) 1,4-Dichlorobenzene	6.904	146	610492	40.677	ng		100
14) 1,2-Dichlorobenzene	7.057	146	568639	40.575	ng		100
15) Benzyl Alcohol	7.022	79	523102	39.112	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	591614	28.578	ng		93
17) 2-Methylphenol	7.134	107	442917	38.580	ng		97
18) Hexachloroethane	7.398	117	226945	40.401	ng		97
19) n-Nitroso-di-n-propyla...	7.298	70	389005	35.361	ng		97
20) 3+4-Methylphenols	7.287	107	561800	39.298	ng	#	90
22) Acetophenone	7.298	105	768440	40.296	ng		96
24) Nitrobenzene	7.469	77	588671	44.877	ng		98
25) Isophorone	7.704	82	983654	37.378	ng		99
26) 2-Nitrophenol	7.781	139	297950	50.577	ng		97
27) 2,4-Dimethylphenol	7.816	122	390066	40.322	ng		97
28) bis(2-Chloroethoxy)met...	7.916	93	609152	36.287	ng		99
29) 2,4-Dichlorophenol	8.022	162	475142	42.576	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	519011	42.442	ng		99
31) Naphthalene	8.193	128	1645331	40.885	ng		100
32) Benzoic acid	7.934	122	382129	47.436	ng		99
33) 4-Chloroaniline	8.234	127	578275	39.191	ng		99
34) Hexachlorobutadiene	8.304	225	335125	44.100	ng		98
35) Caprolactam	8.610	113	146525	42.679	ng	#	85
36) 4-Chloro-3-methylphenol	8.710	107	530951	42.828	ng		99
37) 2-Methylnaphthalene	8.881	142	1066463	40.403	ng		100
38) 1-Methylnaphthalene	8.981	142	1032881	40.781	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	529113	43.129	ng		99
41) Hexachlorocyclopentadiene	9.034	237	222751	43.507	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	346714	43.751	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

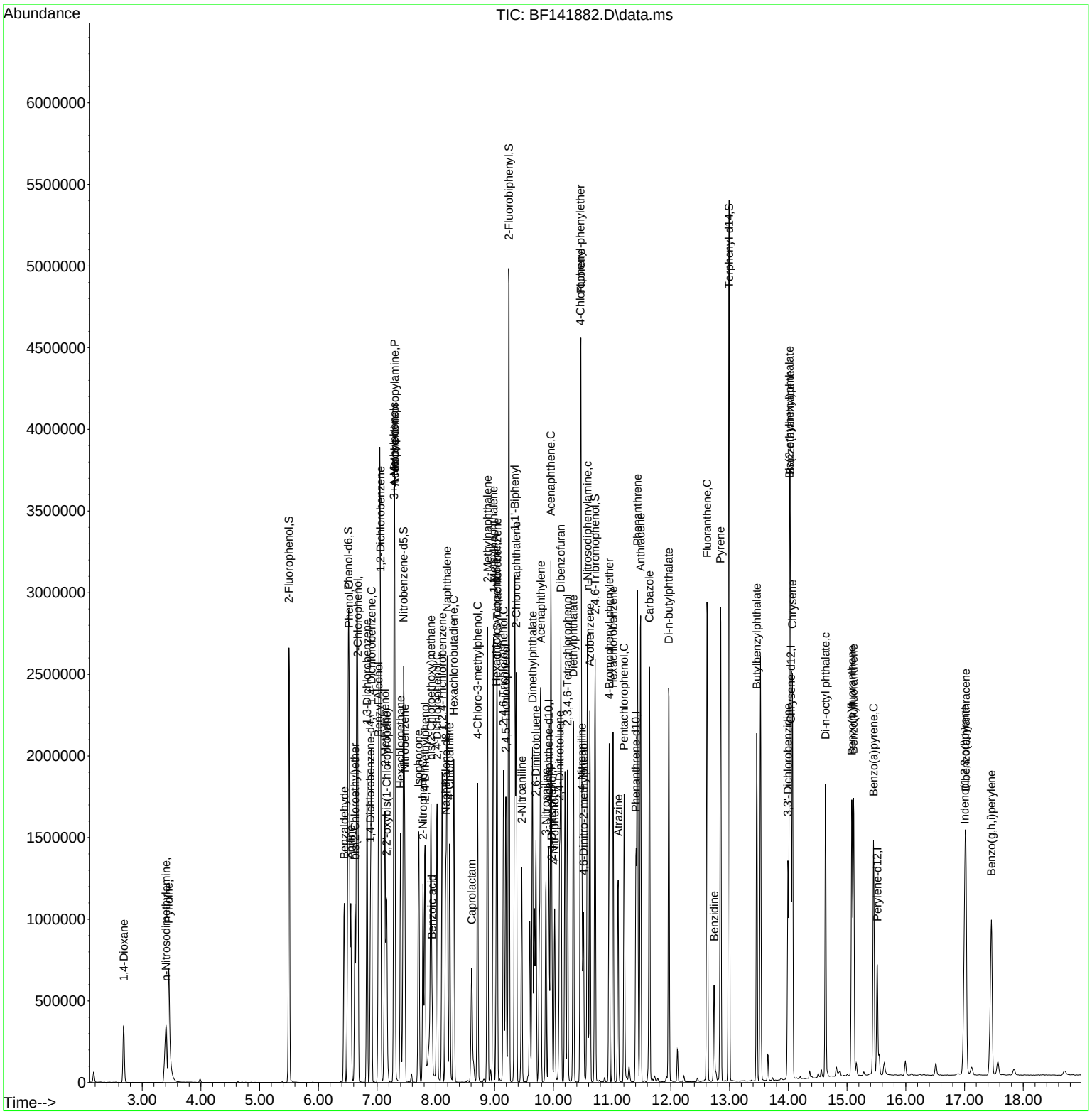
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	370446	47.207	ng		99
46) 1,1'-Biphenyl	9.345	154	1325077	40.983	ng		99
47) 2-Chloronaphthalene	9.369	162	995170	41.702	ng		100
48) 2-Nitroaniline	9.463	65	310512	47.578	ng		95
49) Acenaphthylene	9.787	152	1482184	41.425	ng		100
50) Dimethylphthalate	9.645	163	1195459	42.024	ng		100
51) 2,6-Dinitrotoluene	9.704	165	263902	48.466	ng		94
52) Acenaphthene	9.957	154	1065668	44.141	ng		98
53) 3-Nitroaniline	9.875	138	279903	48.270	ng	#	93
54) 2,4-Dinitrophenol	9.975	184	150349	64.789	ng	#	1
55) Dibenzofuran	10.128	168	1447705	41.199	ng		98
56) 4-Nitrophenol	10.022	139	233707	55.625	ng		95
57) 2,4-Dinitrotoluene	10.104	165	352174	52.617	ng		95
58) Fluorene	10.469	166	1131091	42.973	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	325495	47.692	ng		99
60) Diethylphthalate	10.339	149	1196331	41.951	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	576098	43.684	ng		99
62) 4-Nitroaniline	10.486	138	278576	57.344	ng		95
63) Azobenzene	10.622	77	1132824	37.727	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	203648	57.660	ng		88
66) n-Nitrosodiphenylamine	10.581	169	958807	40.261	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	363416	42.900	ng		99
68) Hexachlorobenzene	11.016	284	405812	45.366	ng		97
69) Atrazine	11.104	200	225851	34.487	ng		99
70) Pentachlorophenol	11.204	266	283509	49.971	ng		100
71) Phenanthrene	11.433	178	1627067	41.941	ng		99
72) Anthracene	11.486	178	1625869	41.818	ng		99
73) Carbazole	11.633	167	1464842	42.664	ng		100
74) Di-n-butylphthalate	11.963	149	1777768	40.848	ng		100
75) Fluoranthene	12.616	202	1741431	43.809	ng		97
77) Benzidine	12.739	184	334863	54.265	ng		100
78) Pyrene	12.845	202	1750834	41.240	ng		100
80) Butylbenzylphthalate	13.463	149	675703	43.806	ng		97
81) Benzo(a)anthracene	14.033	228	1314838	40.602	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	389271	41.897	ng		99
83) Chrysene	14.069	228	1218583	40.821	ng		99
84) Bis(2-ethylhexyl)phtha...	14.022	149	866982	45.141	ng		99
85) Di-n-octyl phthalate	14.633	149	1171115	40.729	ng		96
87) Indeno(1,2,3-cd)pyrene	17.004	276	1076120	43.142	ng		94
88) Benzo(b)fluoranthene	15.080	252	1123711	42.113	ng		98
89) Benzo(k)fluoranthene	15.110	252	906957	39.990	ng		98
90) Benzo(a)pyrene	15.451	252	879490	41.098	ng		98
91) Dibenzo(a,h)anthracene	17.021	278	877994	43.122	ng	#	95
92) Benzo(g,h,i)perylene	17.457	276	902824	43.283	ng	#	95

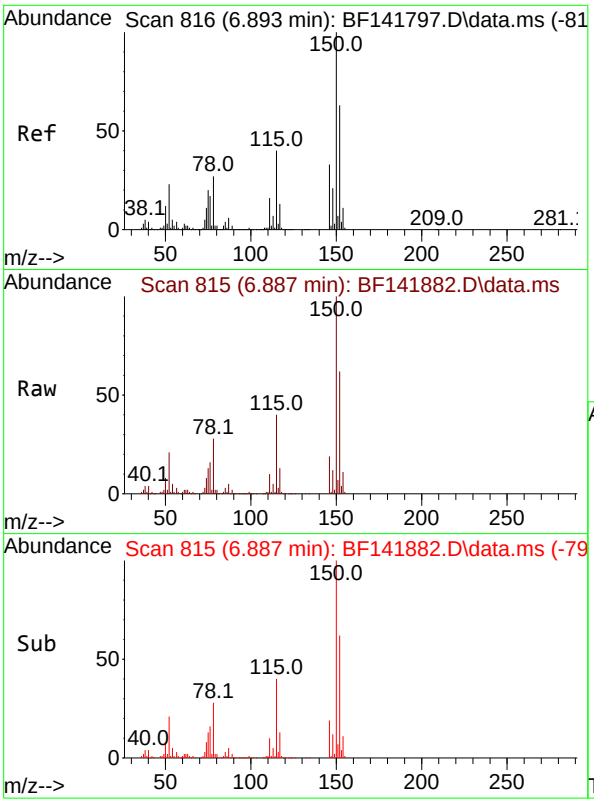
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration



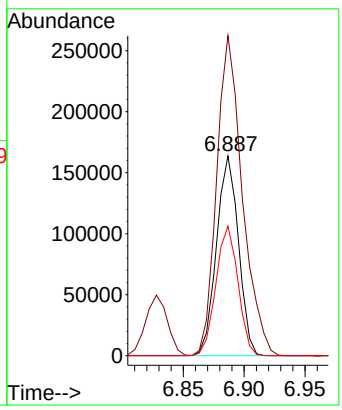


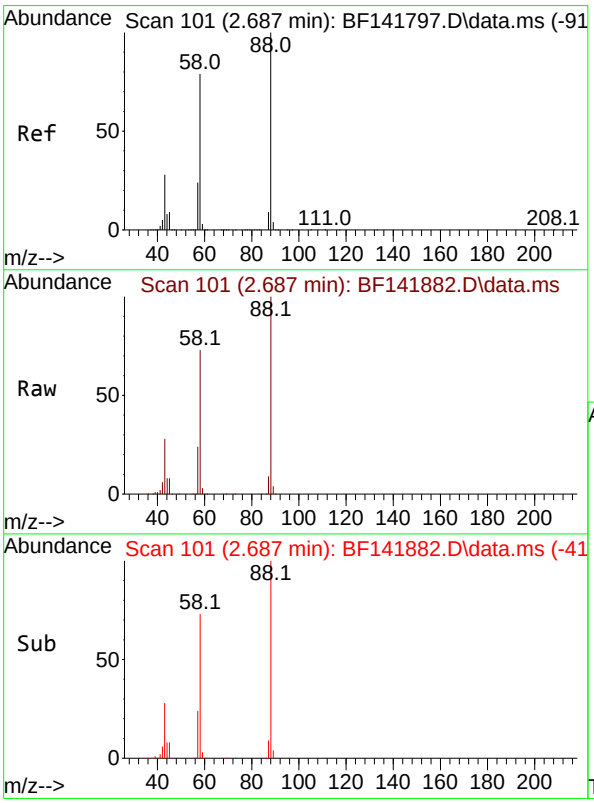
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 205331

Ion	Ratio	Lower	Upper
152	100		
150	160.3	127.5	191.3
115	64.9	51.4	77.2

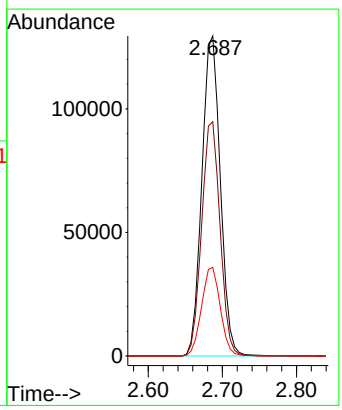


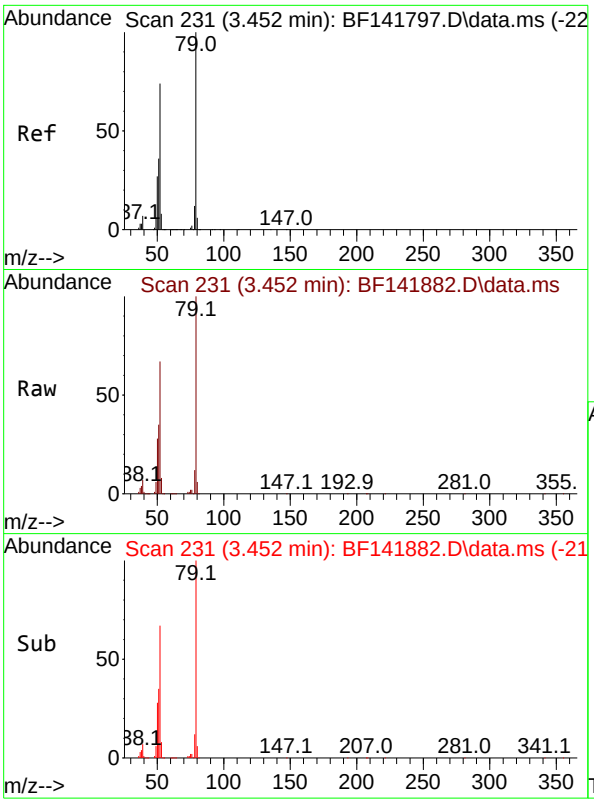


#2
1,4-Dioxane
Concen: 38.402 ng
RT: 2.687 min Scan# 101
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 88 Resp: 224036

Ion	Ratio	Lower	Upper
88	100		
58	73.0	63.9	95.9
43	28.2	23.0	34.6



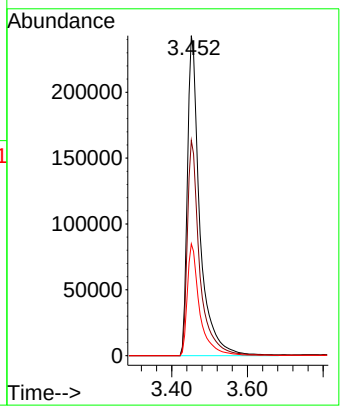


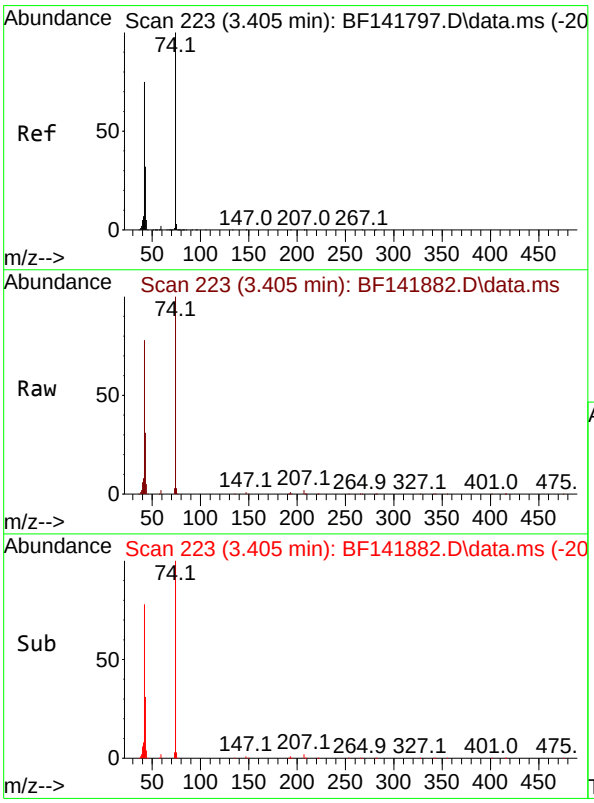
#3
Pyridine
Concen: 38.149 ng
RT: 3.452 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 553758

Ion	Ratio	Lower	Upper
79	100		
52	67.2	59.0	88.4
51	34.9	29.0	43.4

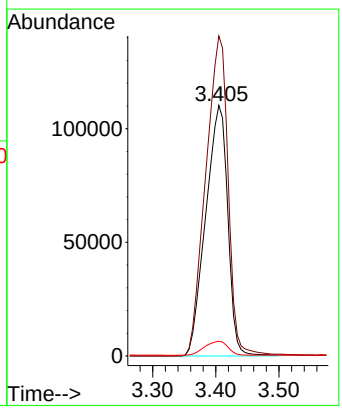


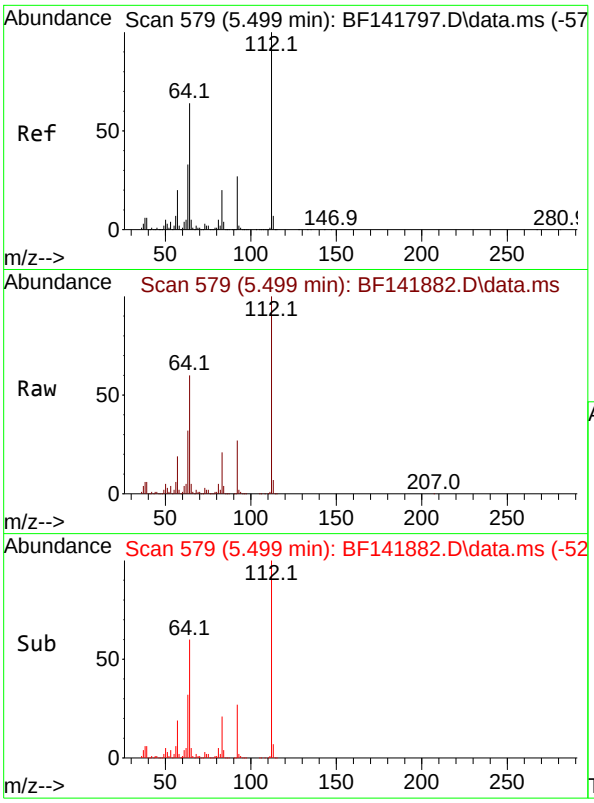


#4
n-Nitrosodimethylamine
Concen: 38.344 ng
RT: 3.405 min Scan# 223
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 42 Resp: 267805

Ion	Ratio	Lower	Upper
42	100		
74	127.7	107.1	160.7
44	5.9	6.6	9.8#



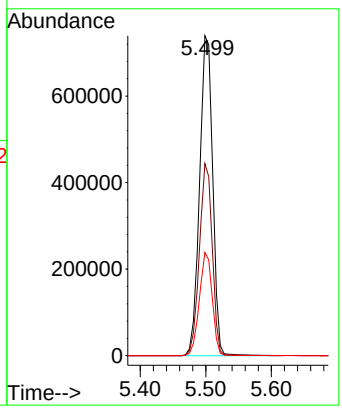


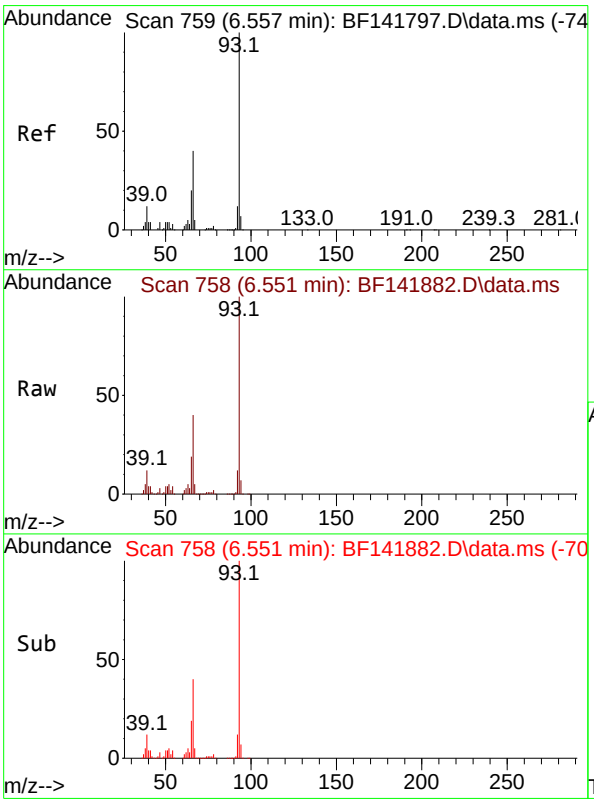
#5
2-Fluorophenol
Concen: 80.217 ng
RT: 5.499 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1031377

Ion	Ratio	Lower	Upper
112	100		
64	60.0	51.3	76.9
63	32.2	26.2	39.4

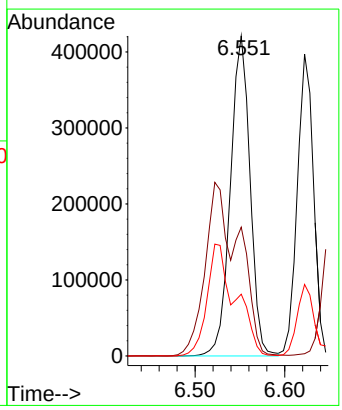


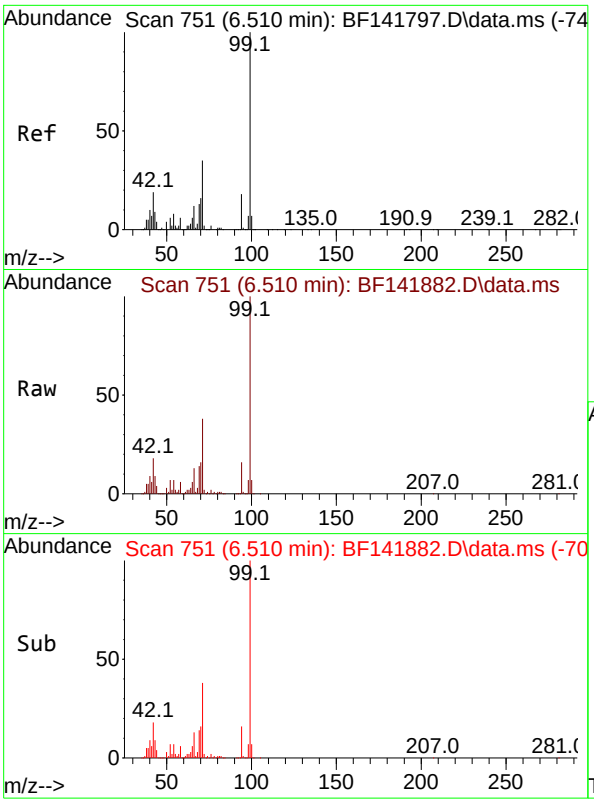


#6
Aniline
Concen: 36.857 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 93 Resp: 641254

Ion	Ratio	Lower	Upper
93	100		
66	40.2	32.3	48.5
65	19.3	15.9	23.9



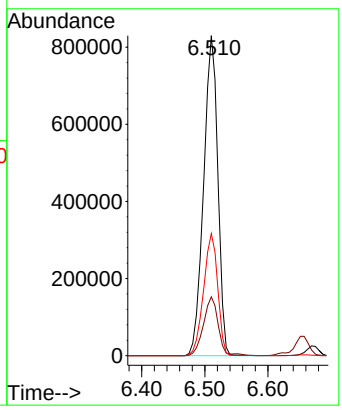


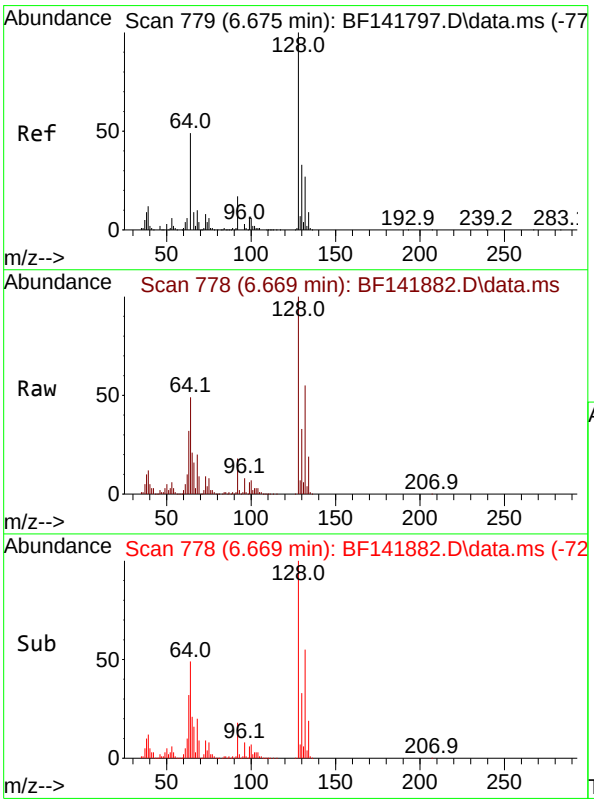
#7
Phenol-d6
Concen: 77.483 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1296674

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.2	22.8
71	38.2	28.2	42.2

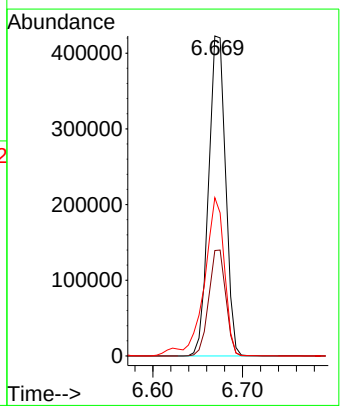


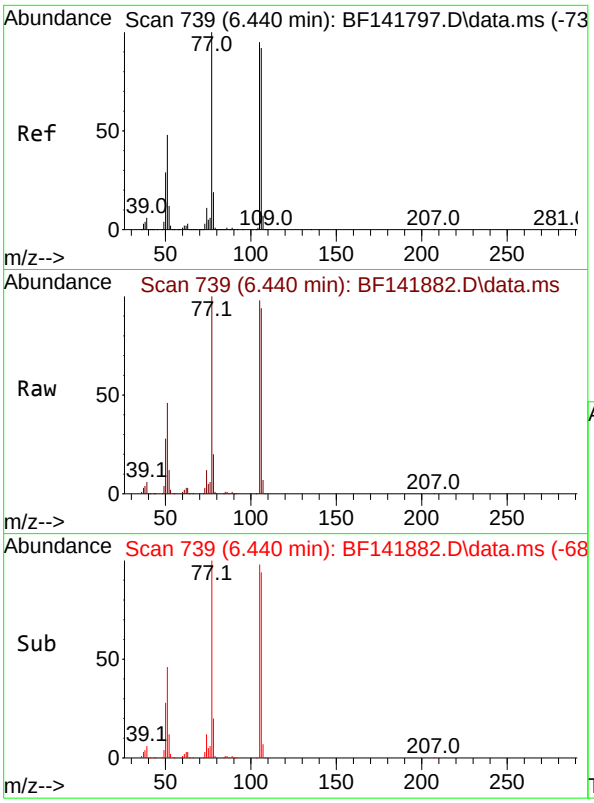


#8
2-Chlorophenol
Concen: 39.810 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:128 Resp: 553709

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.6	52.6
64	49.5	31.1	71.1



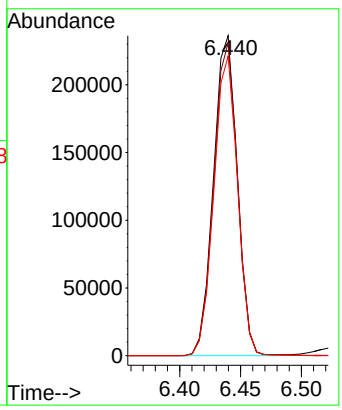


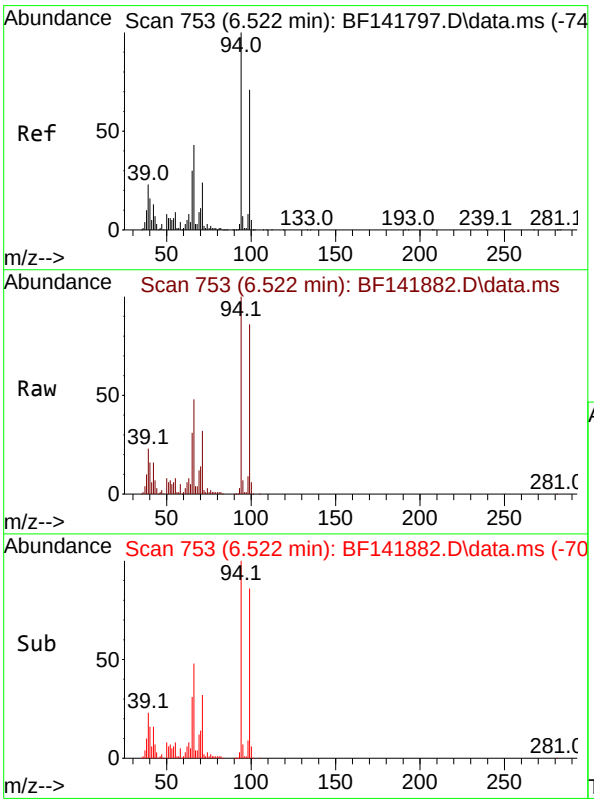
#9
Benzaldehyde
Concen: 32.976 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 321005

Ion	Ratio	Lower	Upper
77	100		
105	97.8	75.3	115.3
106	93.6	72.3	112.3

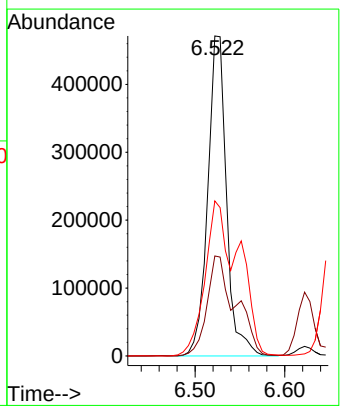


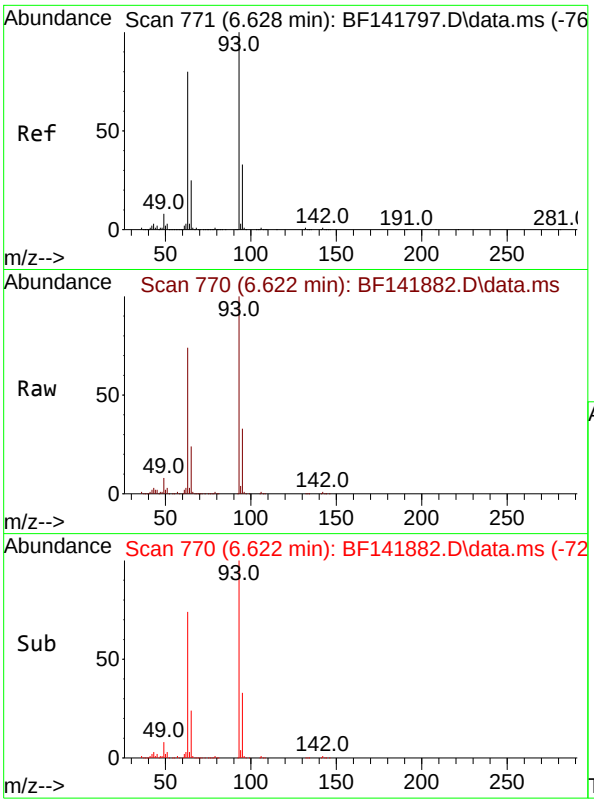


#10
Phenol
Concen: 38.350 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 94 Resp: 685809

Ion	Ratio	Lower	Upper
94	100		
65	31.2	10.2	50.2
66	48.5	23.2	63.2



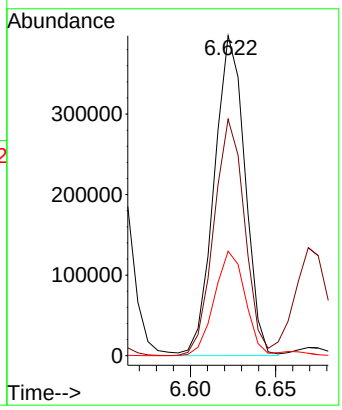


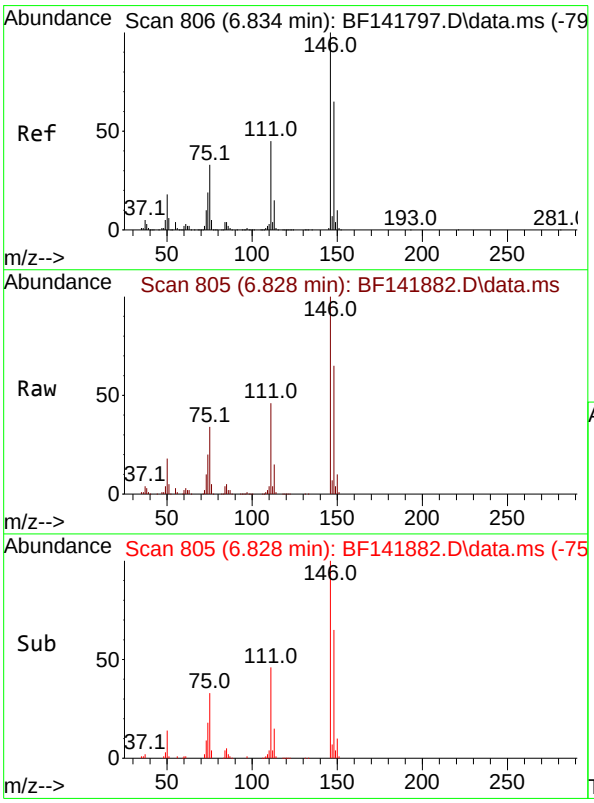
#11
bis(2-Chloroethyl)ether
Concen: 36.600 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 498913

Ion	Ratio	Lower	Upper
93	100		
63	73.9	59.3	99.3
95	32.7	13.2	53.2

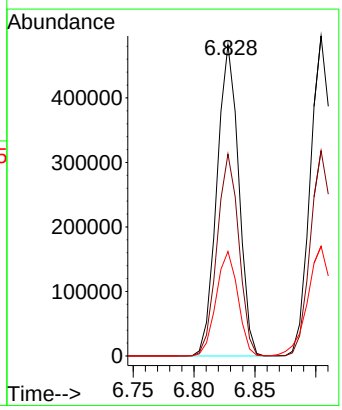


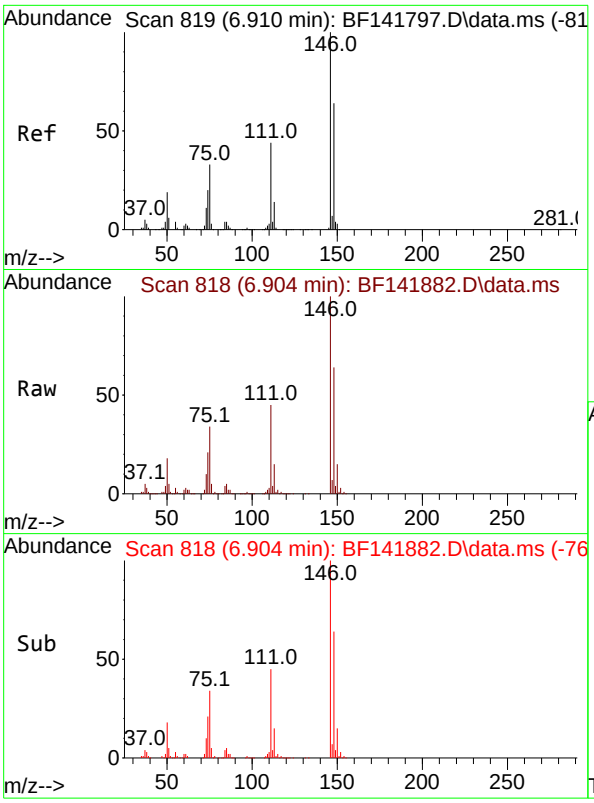


#12
1,3-Dichlorobenzene
Concen: 40.364 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:146 Resp: 601225

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.6
75	33.6	26.2	39.4



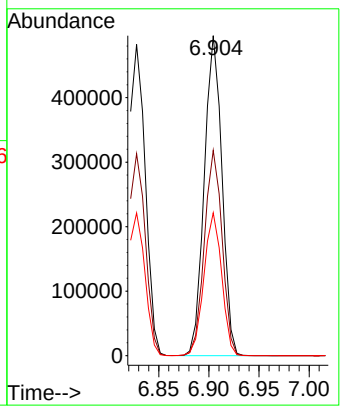


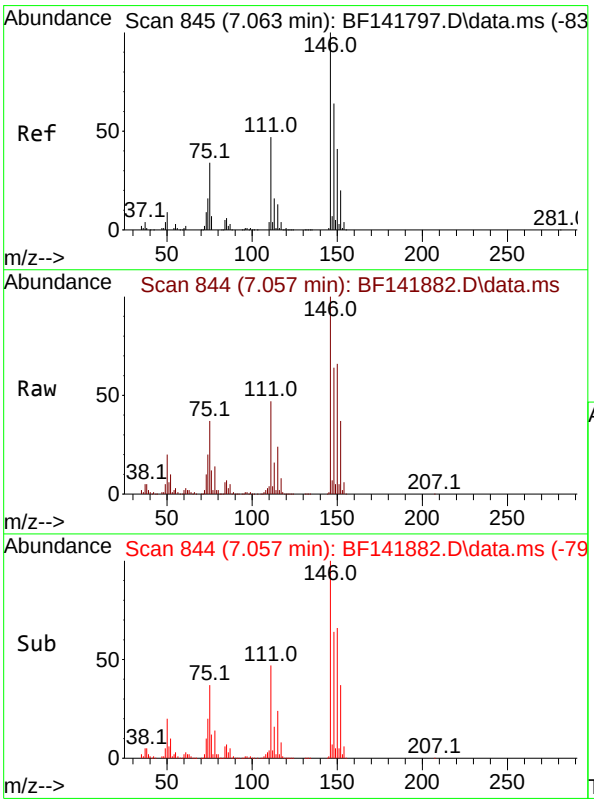
#13
1,4-Dichlorobenzene
Concen: 40.677 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 610492

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.4	77.2
111	44.7	35.5	53.3

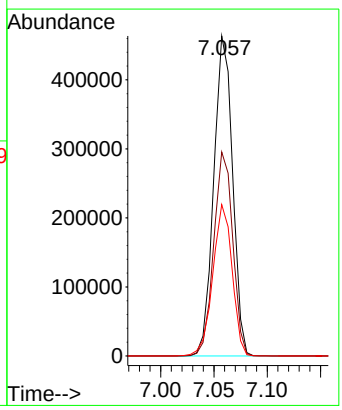


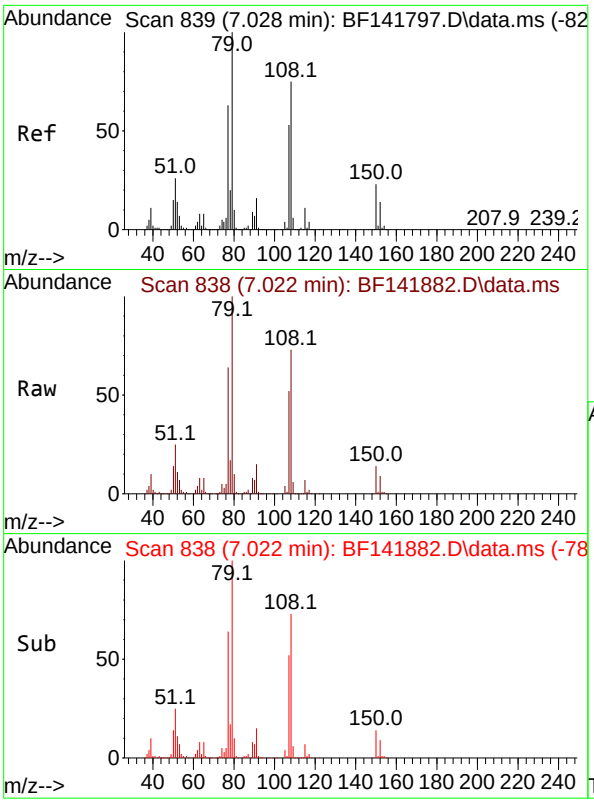


#14
1,2-Dichlorobenzene
Concen: 40.575 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:146 Resp: 568639

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.2	76.8
111	47.3	37.8	56.6



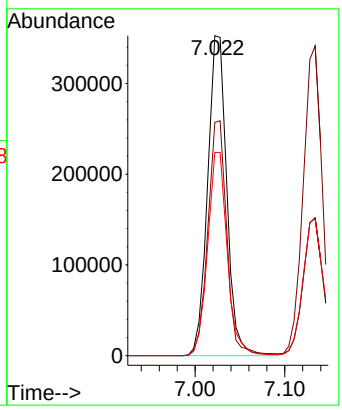


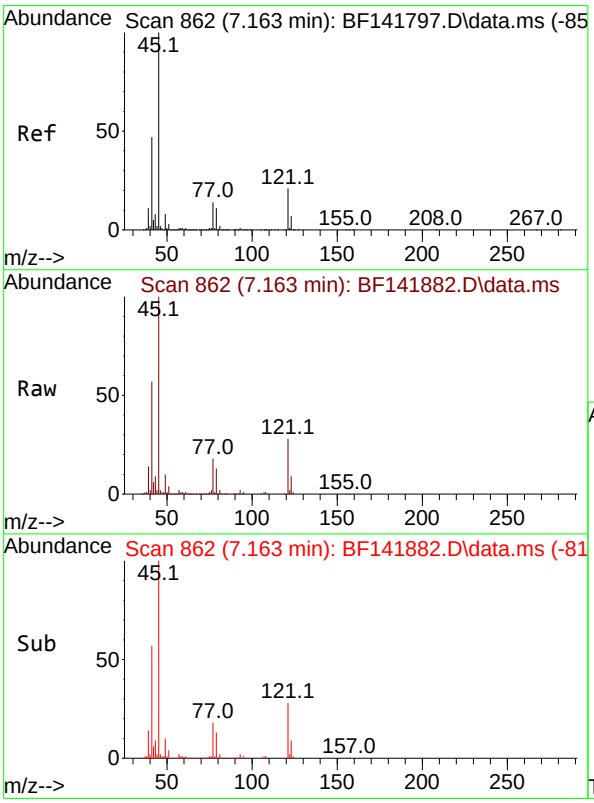
#15
Benzyl Alcohol
Concen: 39.112 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 523102

Ion	Ratio	Lower	Upper
79	100		
108	72.9	60.2	90.2
77	63.5	50.2	75.2

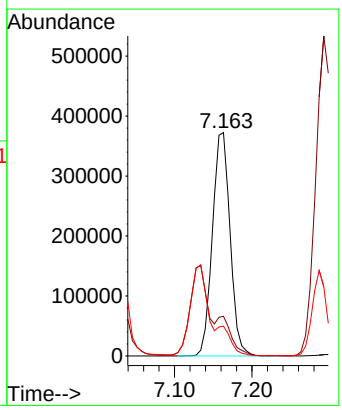


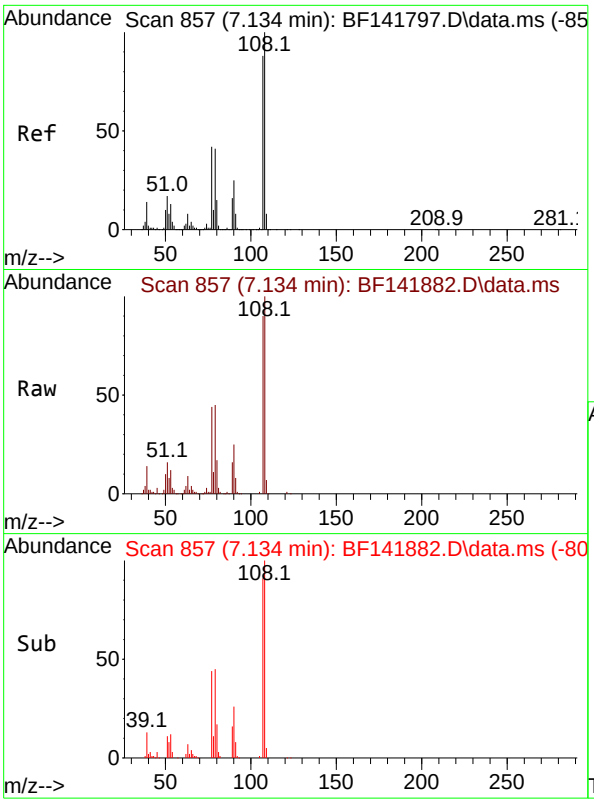


#16
2,2'-oxybis(1-Chloropropane)
Concen: 28.578 ng
RT: 7.163 min Scan# 862
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 45 Resp: 591614

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	34.4
79	13.3	0.0	30.9



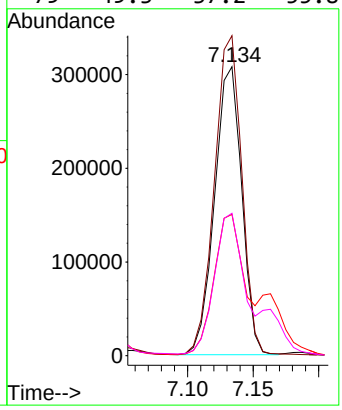


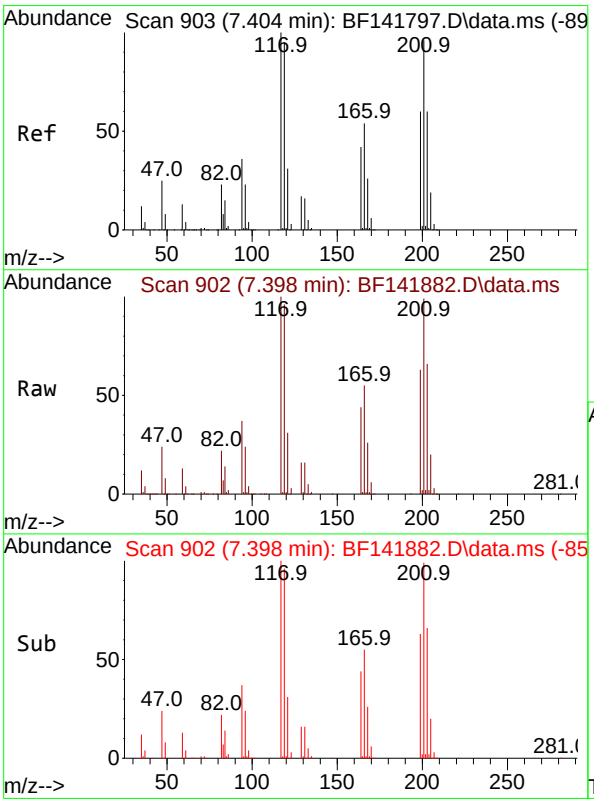
#17
2-Methylphenol
Concen: 38.580 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 442917

Ion	Ratio	Lower	Upper
107	100		
108	110.7	90.6	135.8
77	48.9	37.7	56.5
79	49.3	37.2	55.8

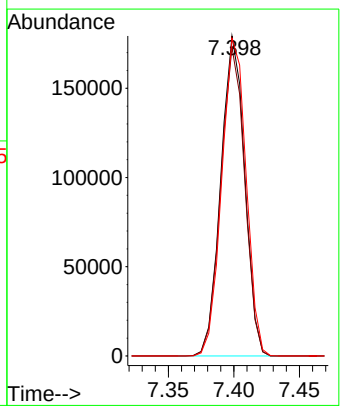


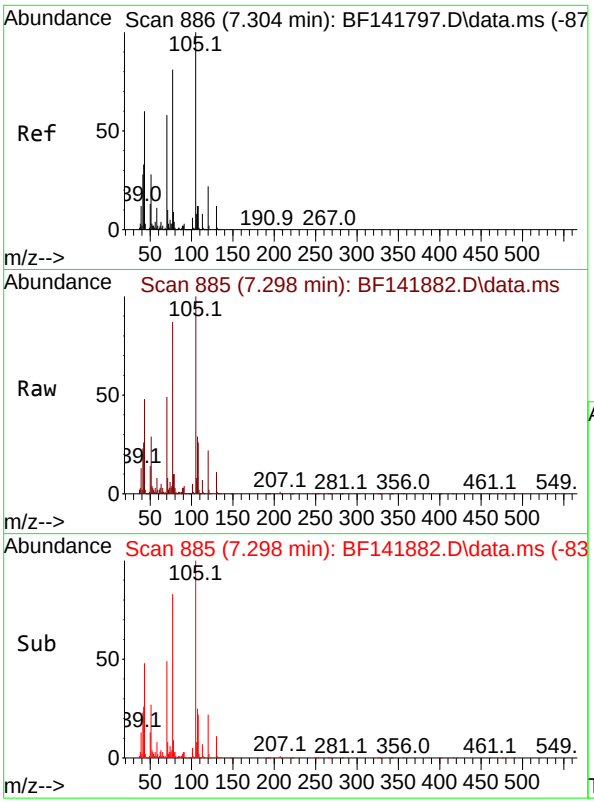


#18
Hexachloroethane
Concen: 40.401 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:117 Resp: 226945

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.8	113.8
201	99.3	76.7	115.1



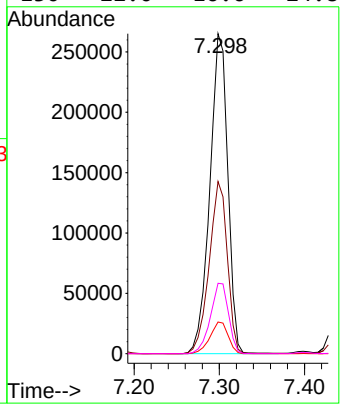


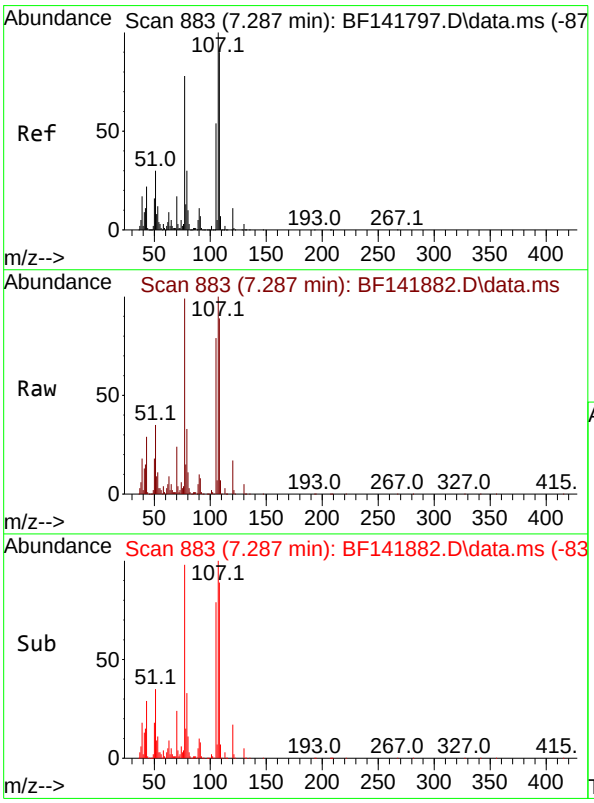
#19
n-Nitroso-di-n-propylamine
Concen: 35.361 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 389005

Ion	Ratio	Lower	Upper
70	100		
42	53.8	45.4	68.0
101	9.9	7.8	11.8
130	22.0	16.6	24.8

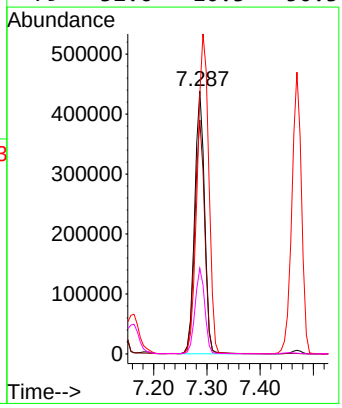


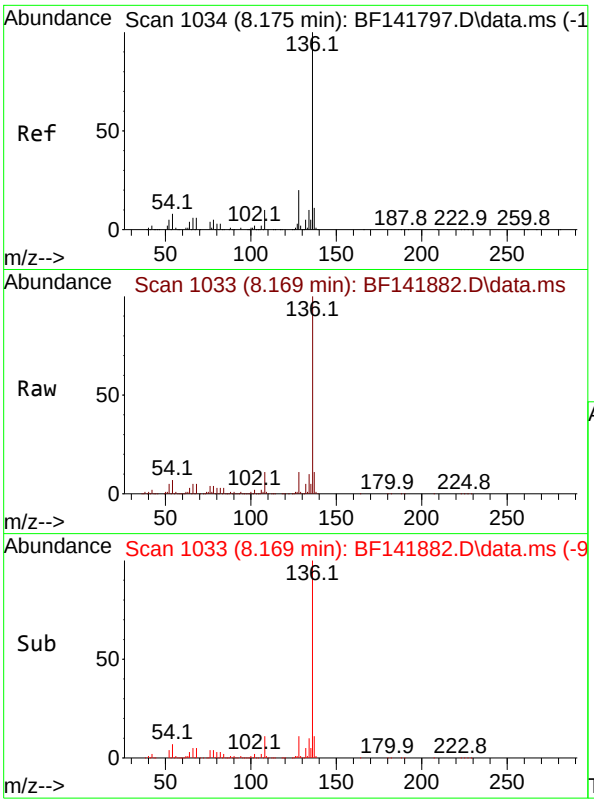


#20
3+4-Methylphenols
Concen: 39.298 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:107 Resp: 561800

Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.7	109.7
77	98.5	58.3	98.3#
79	32.6	10.3	50.3



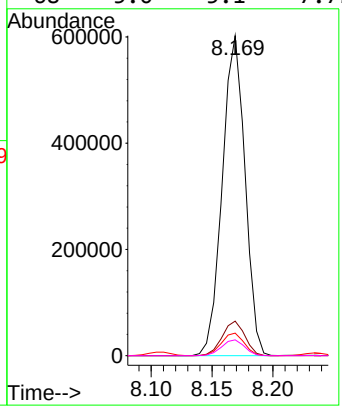


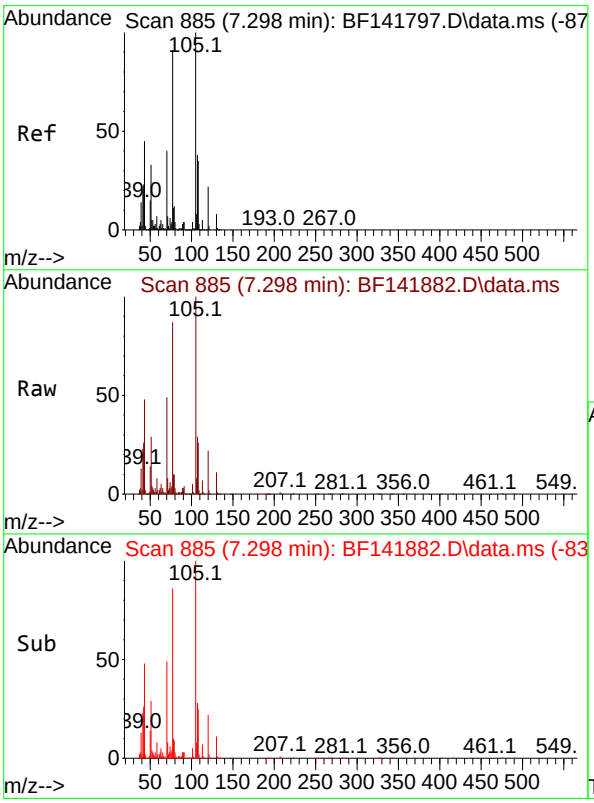
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 782990

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.0	6.9	10.3
68	5.0	5.1	7.7#

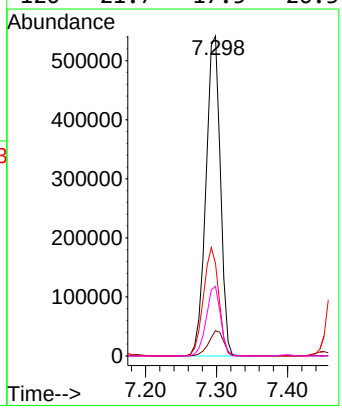


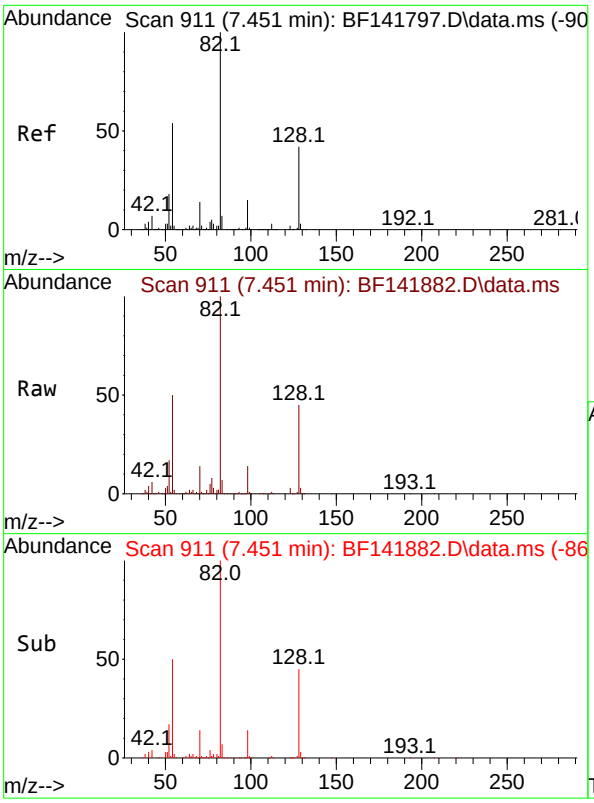


#22
Acetophenone
Concen: 40.296 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:105 Resp: 768440

Ion	Ratio	Lower	Upper
105	100		
71	7.9	5.4	8.0
51	29.0	26.1	39.1
120	21.7	17.5	26.3



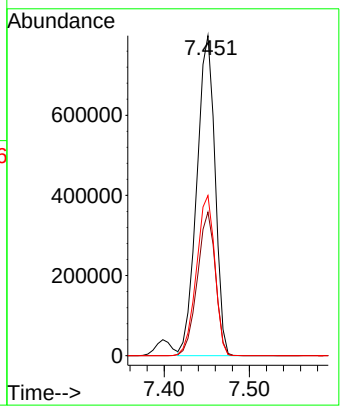


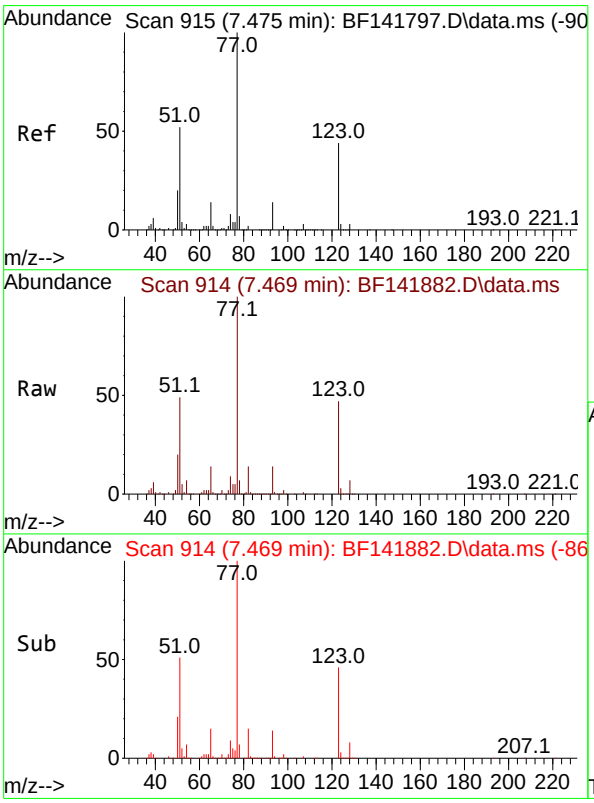
#23
Nitrobenzene-d5
Concen: 96.733 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1184936

Ion	Ratio	Lower	Upper
82	100		
128	44.9	33.5	50.3
54	50.0	42.7	64.1

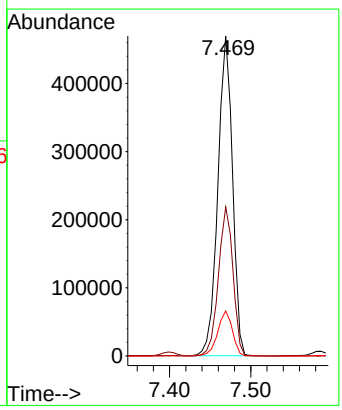


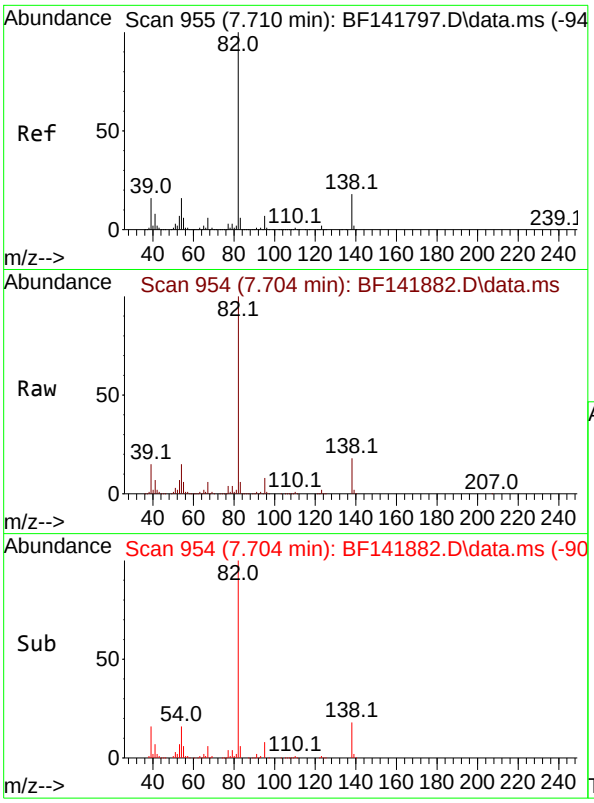


#24
Nitrobenzene
Concen: 44.877 ng
RT: 7.469 min Scan# 914
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 77 Resp: 588671

Ion	Ratio	Lower	Upper
77	100		
123	46.6	35.8	53.8
65	14.1	11.2	16.8



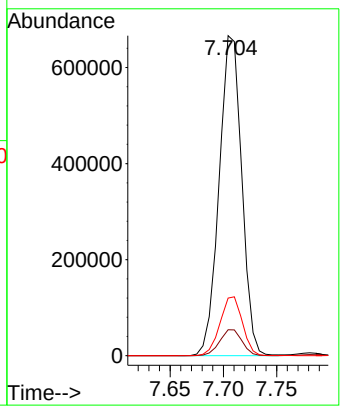


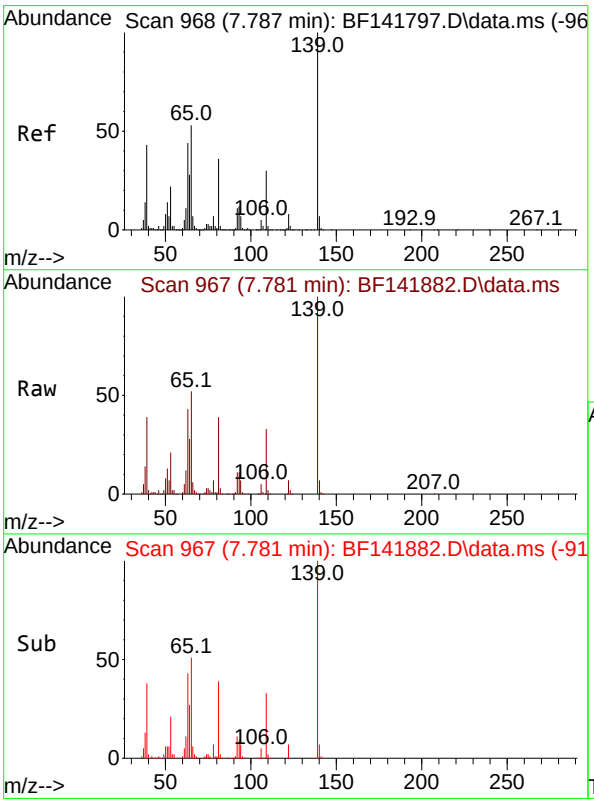
#25
Isophorone
Concen: 37.378 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 983654

Ion	Ratio	Lower	Upper
82	100		
95	8.1	5.8	8.8
138	18.0	14.0	21.0

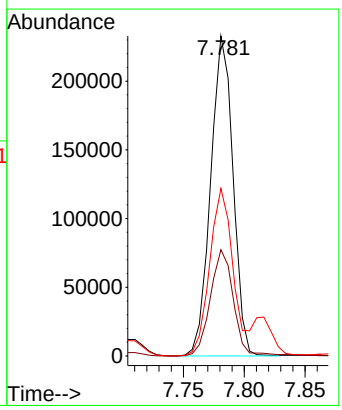


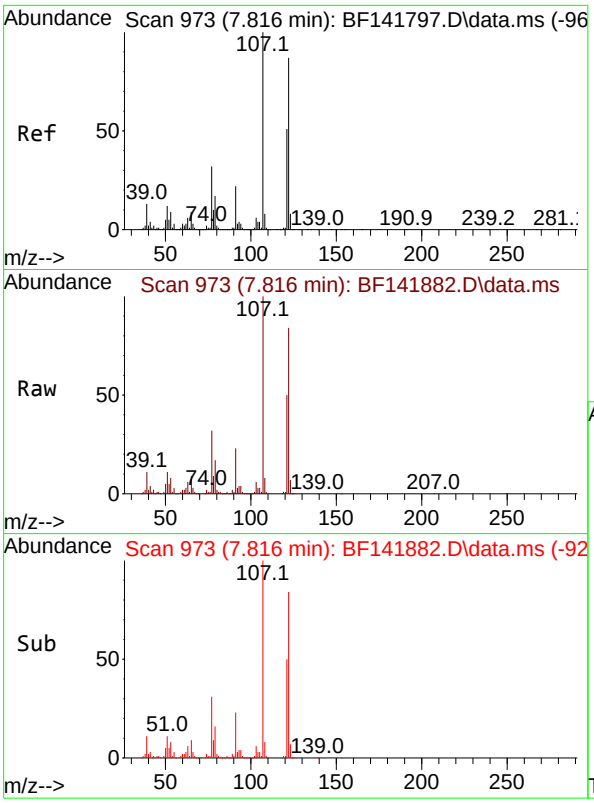


#26
2-Nitrophenol
Concen: 50.577 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:139 Resp: 297950

Ion	Ratio	Lower	Upper
139	100		
109	33.2	24.1	36.1
65	52.4	42.3	63.5



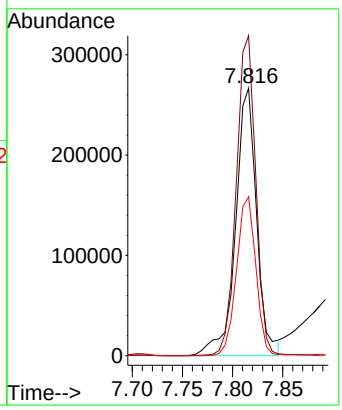


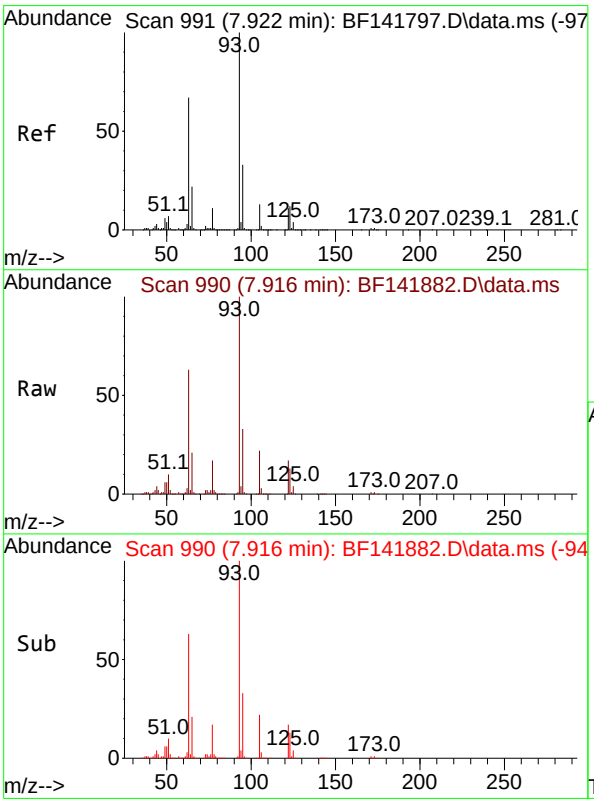
#27
2,4-Dimethylphenol
Concen: 40.322 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 390066

Ion	Ratio	Lower	Upper
122	100		
107	119.6	92.5	138.7
121	59.4	47.1	70.7

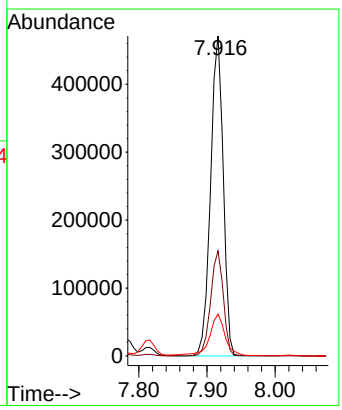


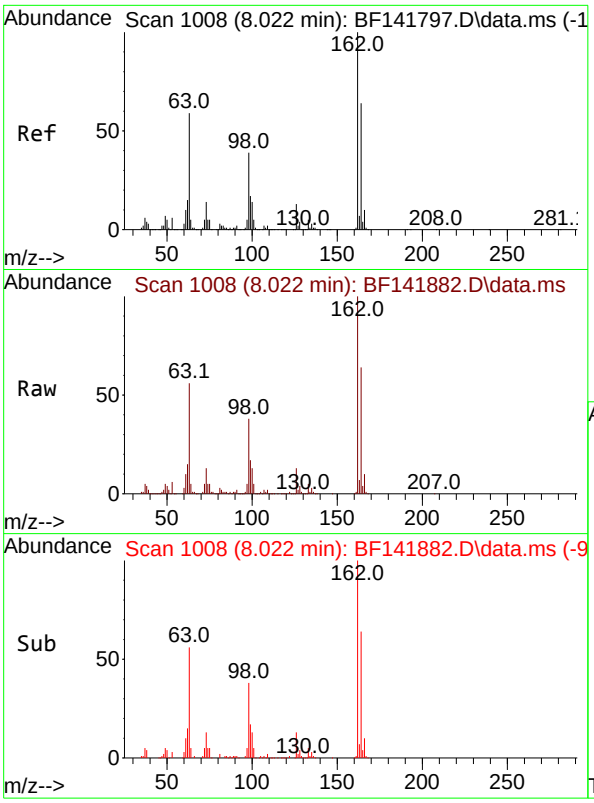


#28
bis(2-Chloroethoxy)methane
Concen: 36.287 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 93 Resp: 609152

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.5	39.7
123	13.0	10.0	15.0



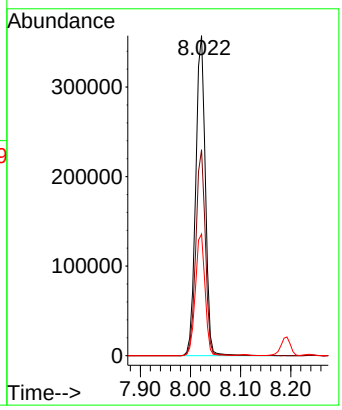


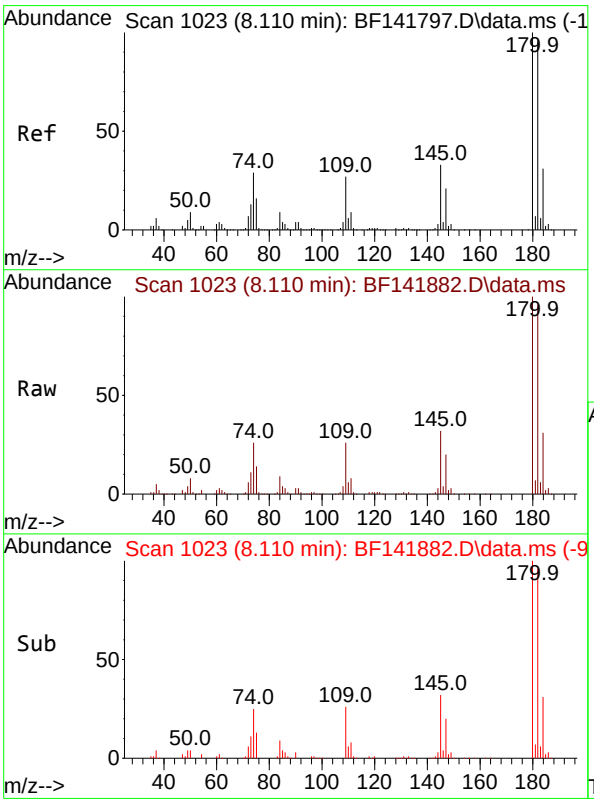
#29
2,4-Dichlorophenol
Concen: 42.576 ng
RT: 8.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 475142

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	38.0	19.6	59.6

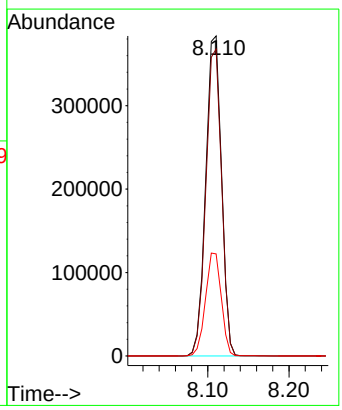


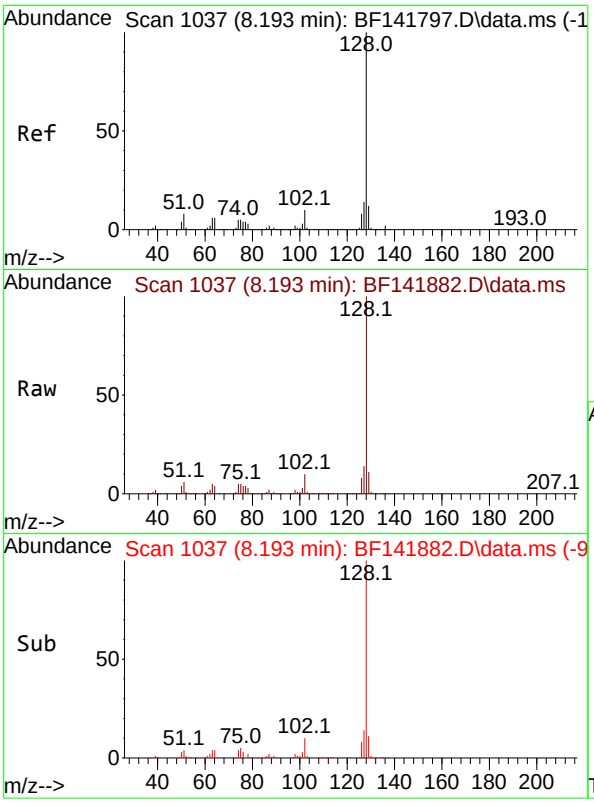


#30
1,2,4-Trichlorobenzene
Concen: 42.442 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:180 Resp: 519011

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.8	115.2
145	31.9	26.4	39.6



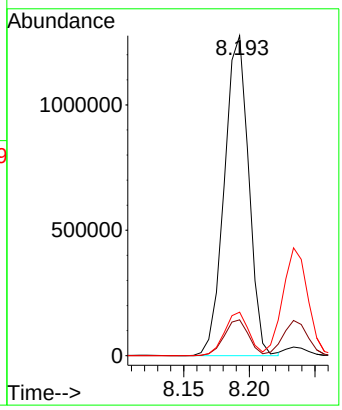


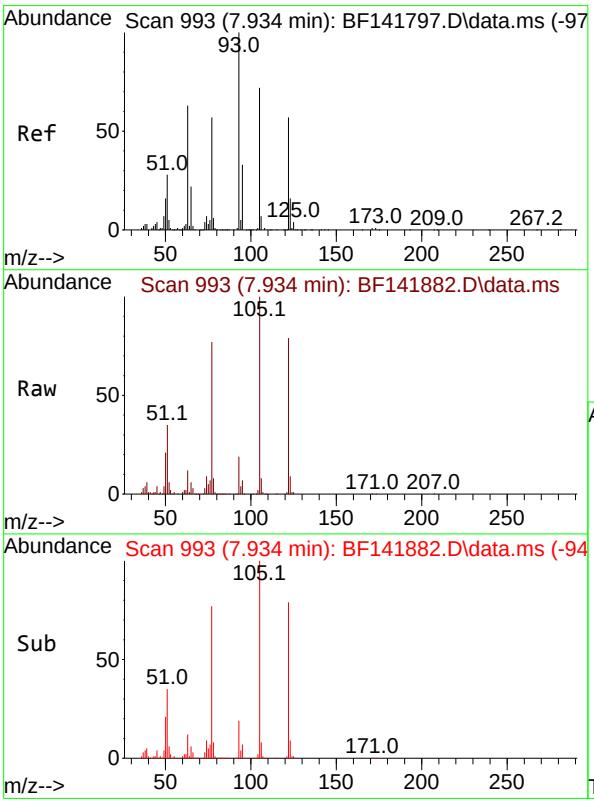
#31
Naphthalene
Concen: 40.885 ng
RT: 8.193 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1645331

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	13.6	11.0	16.4

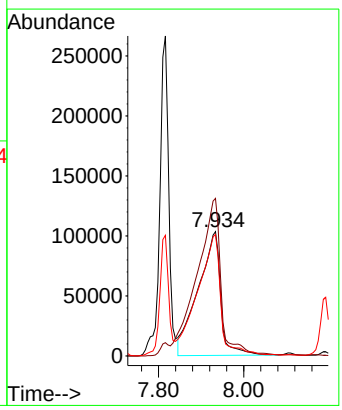


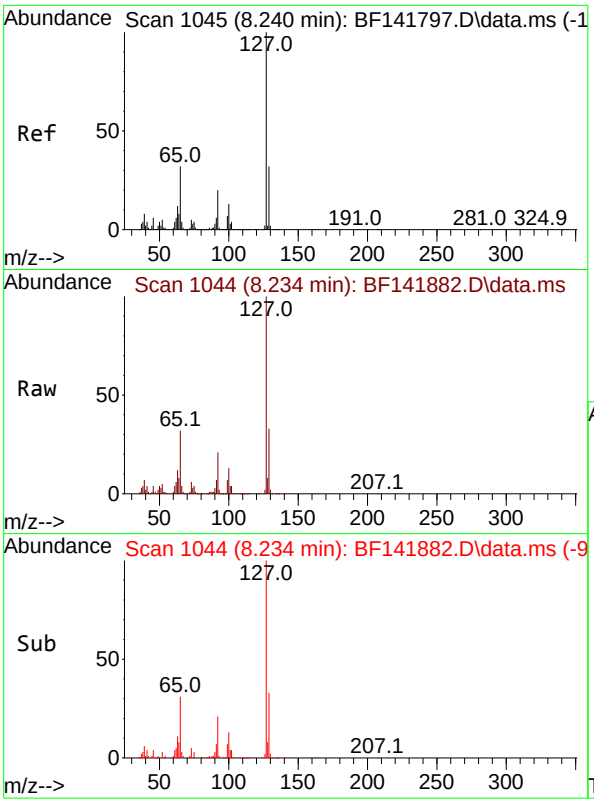


#32
Benzoic acid
Concen: 47.436 ng
RT: 7.934 min Scan# 993
Delta R.T. -0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:122 Resp: 382129

Ion	Ratio	Lower	Upper
122	100		
105	126.7	105.8	145.8
77	97.7	79.9	119.9



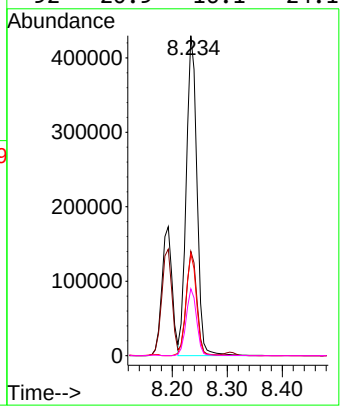


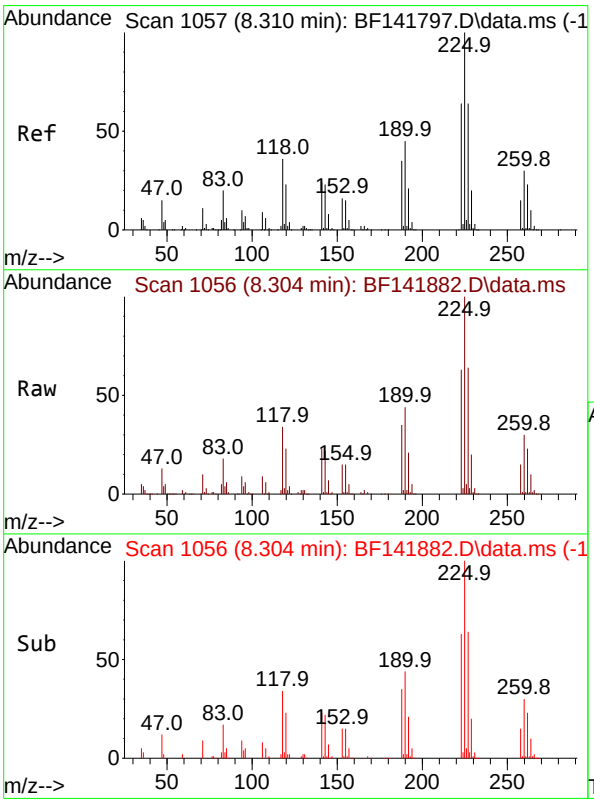
#33
4-Chloroaniline
Concen: 39.191 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 578275

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	31.9	25.7	38.5
92	20.9	16.1	24.1

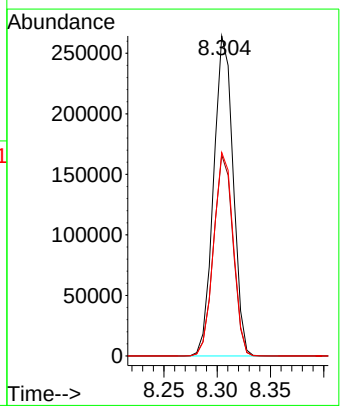


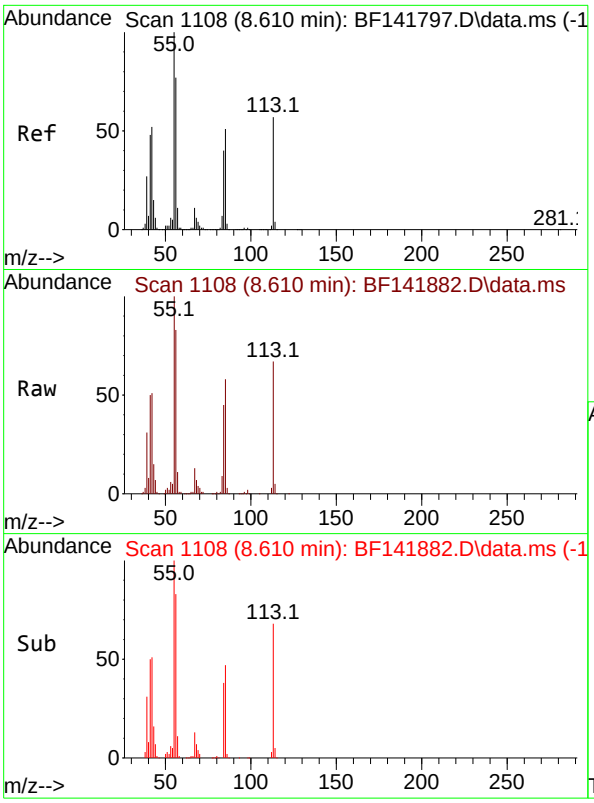


#34
Hexachlorobutadiene
Concen: 44.100 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:225 Resp: 335125

Ion	Ratio	Lower	Upper
225	100		
223	62.8	51.4	77.2
227	63.6	51.6	77.4



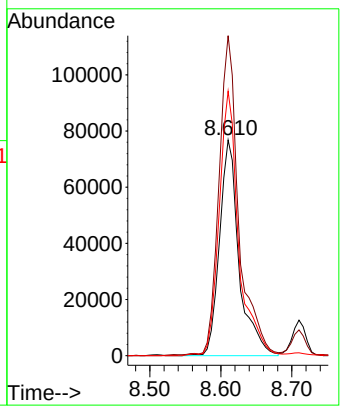


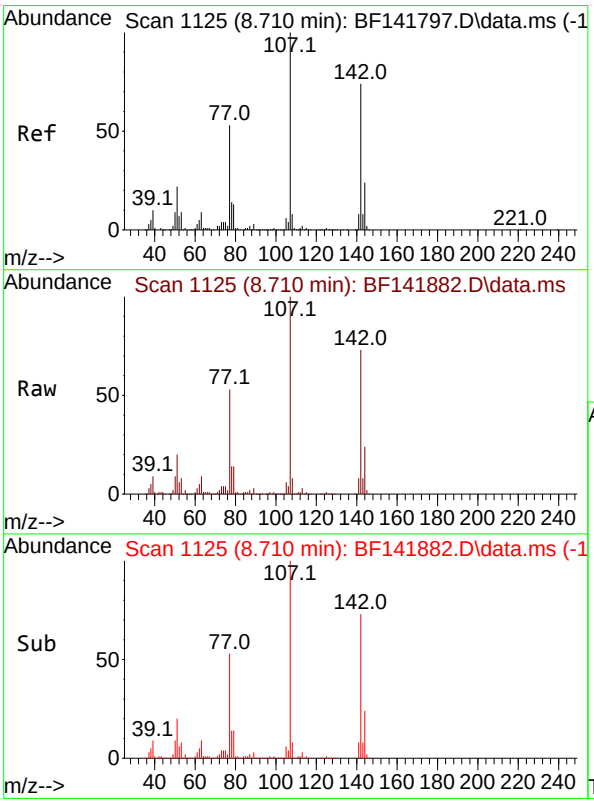
#35
Caprolactam
Concen: 42.679 ng
RT: 8.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 146525

Ion	Ratio	Lower	Upper
113	100		
55	148.3	155.6	195.6#
56	122.6	114.6	154.6

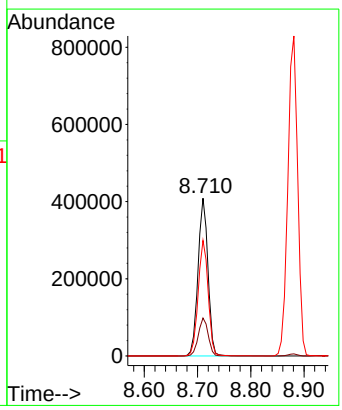


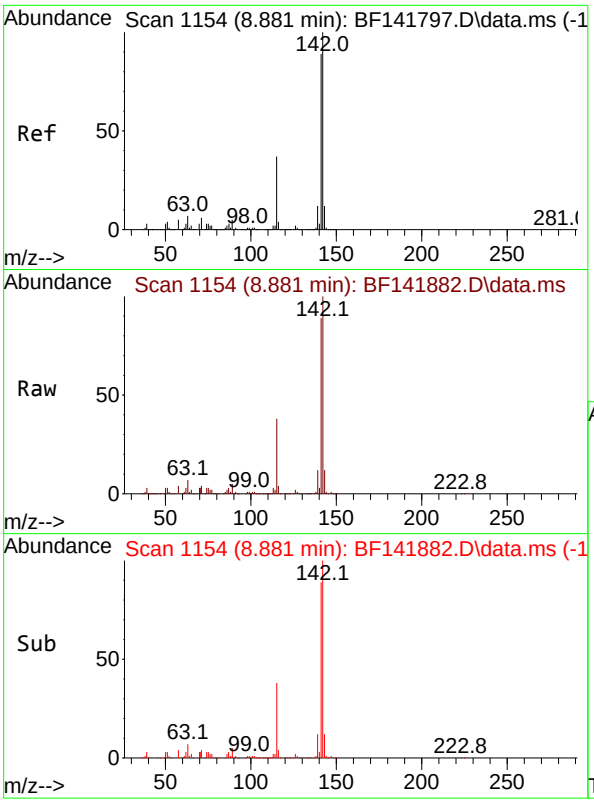


#36
4-Chloro-3-methylphenol
Concen: 42.828 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:107 Resp: 530951

Ion	Ratio	Lower	Upper
107	100		
144	24.0	19.4	29.0
142	73.2	59.4	89.0



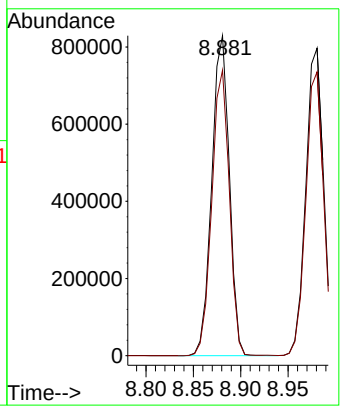


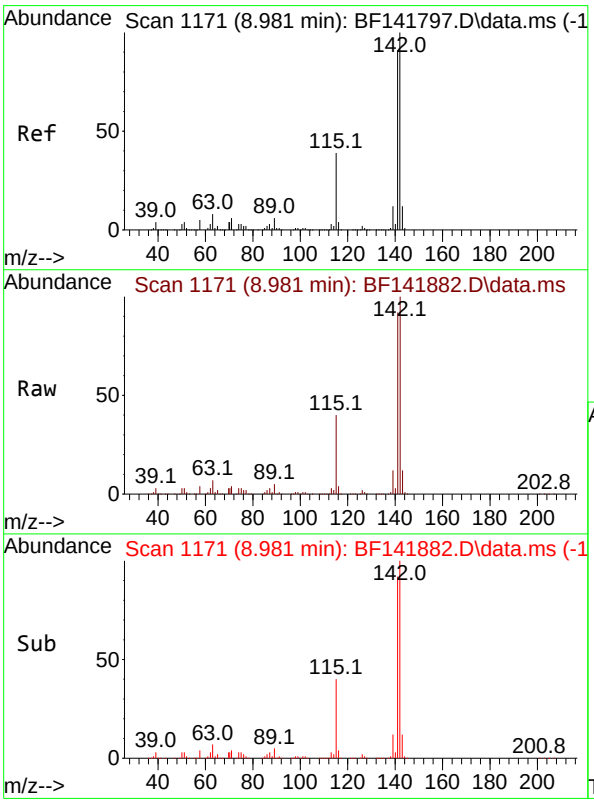
#37
2-Methylnaphthalene
Concen: 40.403 ng
RT: 8.881 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1066463

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.1	106.7

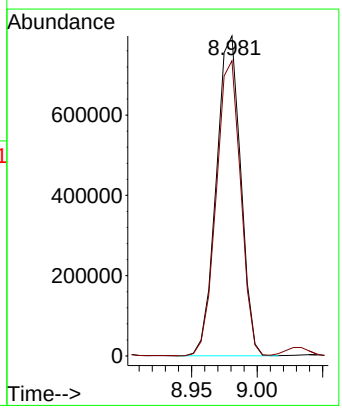


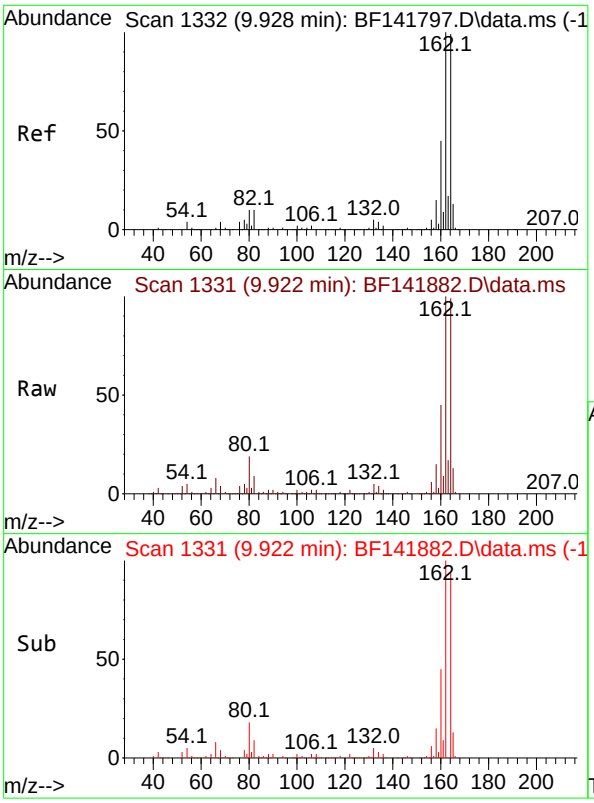


#38
1-Methylnaphthalene
Concen: 40.781 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:142 Resp: 1032881

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7



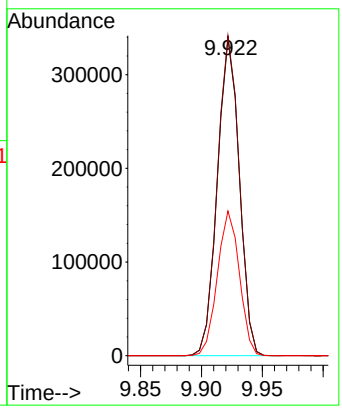


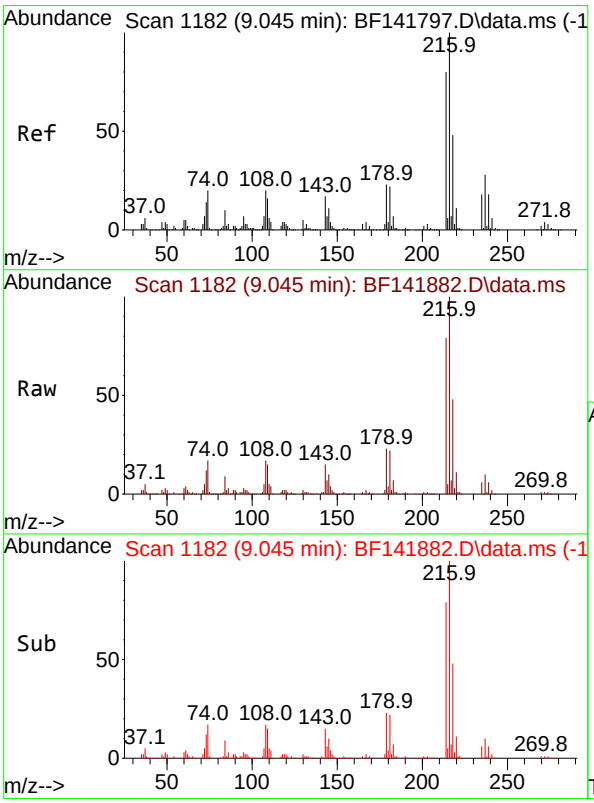
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 424782

Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	45.6	36.3	54.5

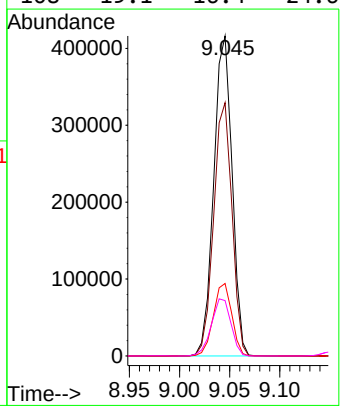


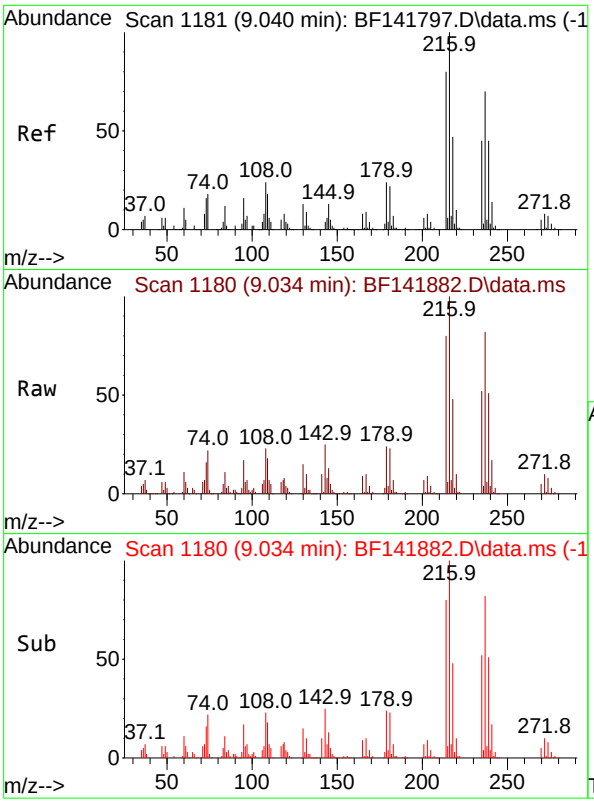


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.129 ng
RT: 9.045 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:216 Resp: 529113

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.5	95.3
179	22.8	18.1	27.1
108	19.1	16.4	24.6



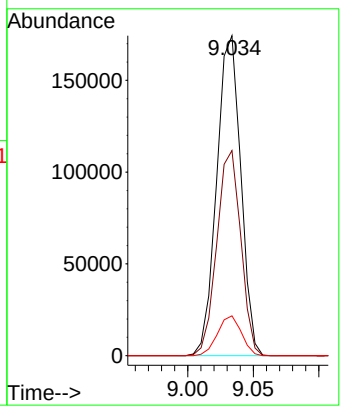


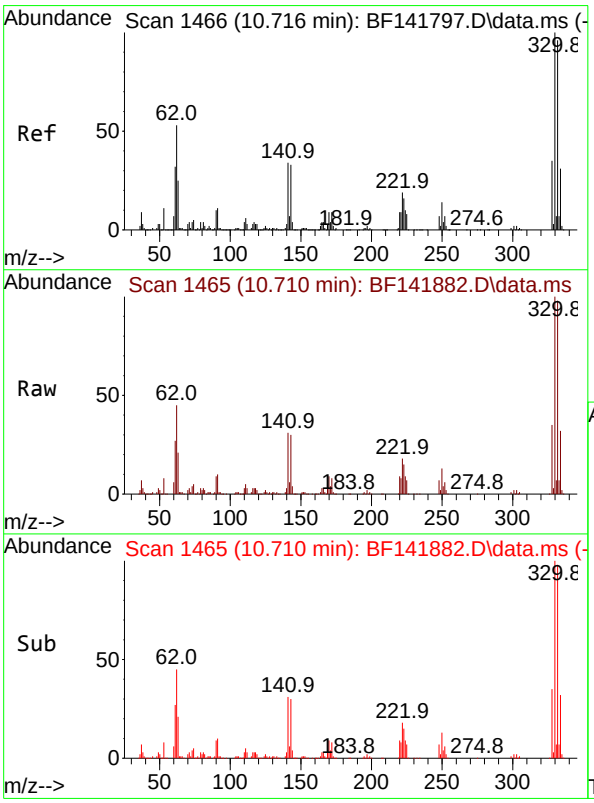
#41
Hexachlorocyclopentadiene
Concen: 43.507 ng
RT: 9.034 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 222751

Ion	Ratio	Lower	Upper
237	100		
235	64.1	43.3	83.3
272	12.4	0.0	31.9

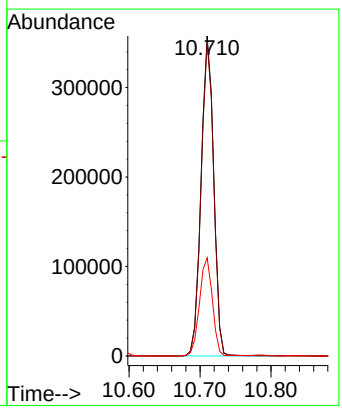


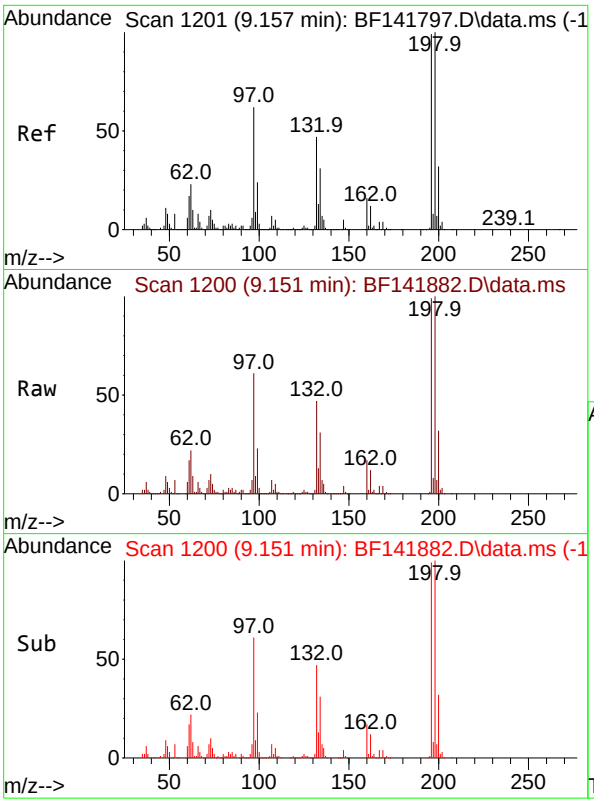


#42
2,4,6-Tribromophenol
Concen: 110.979 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:330 Resp: 442578

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.6	115.0
141	31.4	29.0	43.4



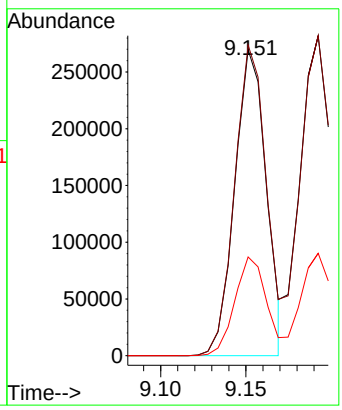


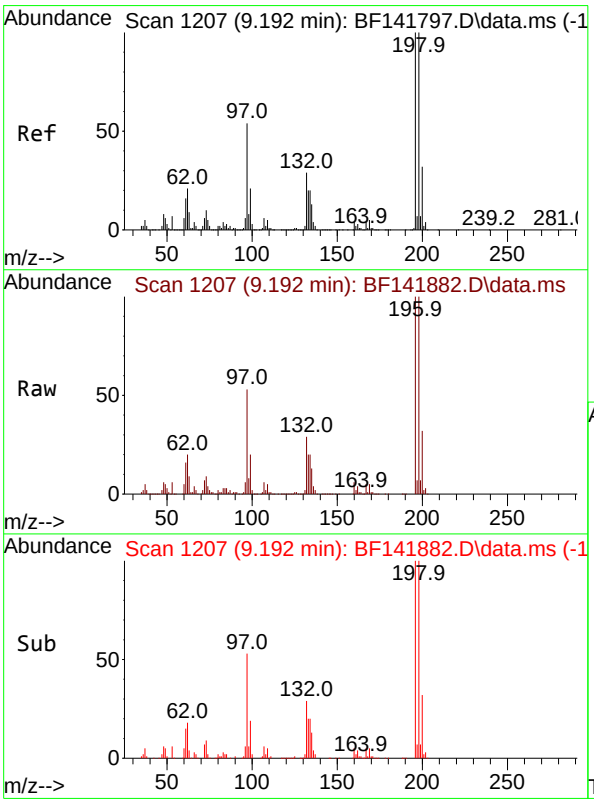
#43
2,4,6-Trichlorophenol
Concen: 43.751 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 346714

Ion	Ratio	Lower	Upper
196	100		
198	101.5	80.4	120.6
200	32.2	25.7	38.5

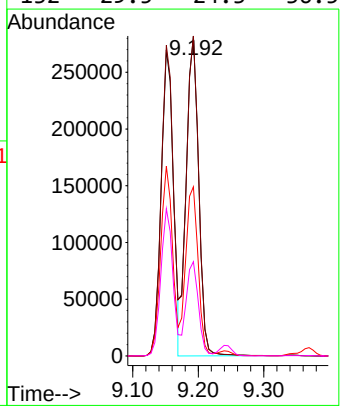


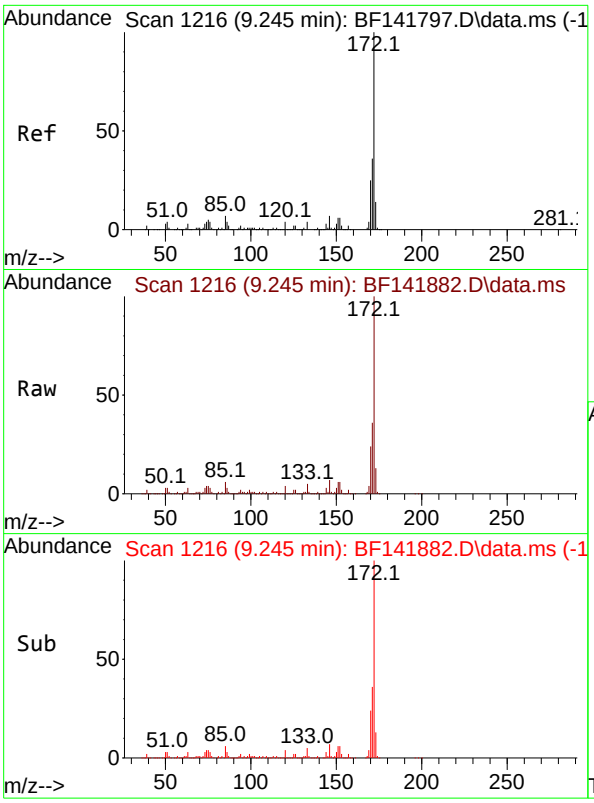


#44
2,4,5-Trichlorophenol
Concen: 47.207 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:196 Resp: 370446

Ion	Ratio	Lower	Upper
196	100		
198	100.1	79.7	119.5
97	52.9	44.2	66.2
132	29.5	24.3	36.5



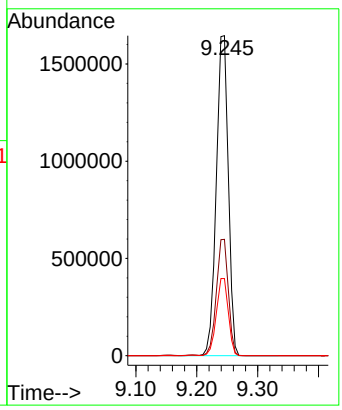


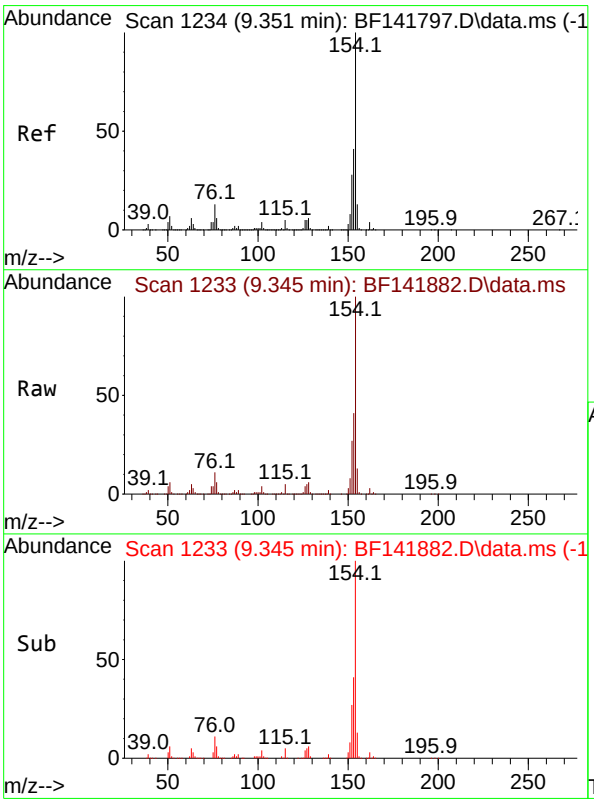
#45
2-Fluorobiphenyl
Concen: 85.212 ng
RT: 9.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2257414

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	24.1	19.7	29.5

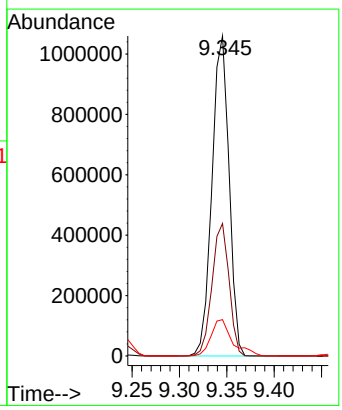


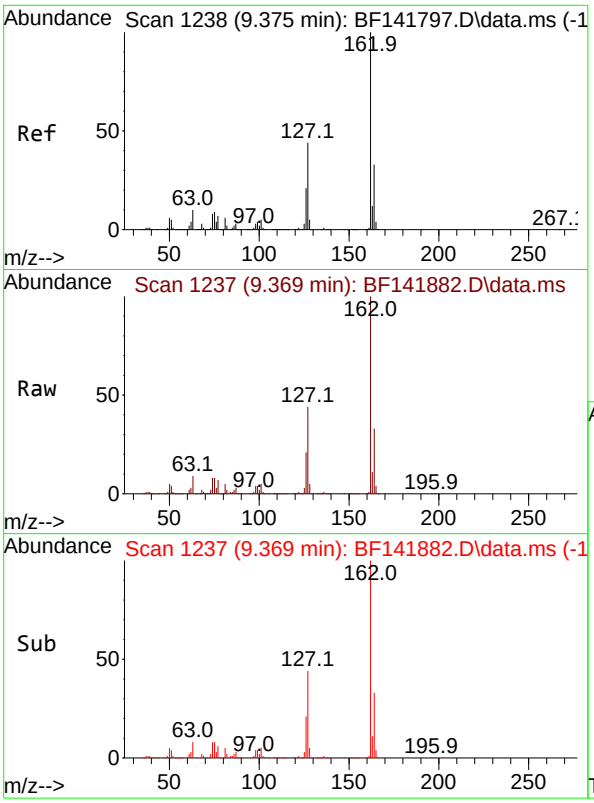


#46
1,1'-Biphenyl
Concen: 40.983 ng
RT: 9.345 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:154 Resp: 1325077

Ion	Ratio	Lower	Upper
154	100		
153	41.4	21.4	61.4
76	11.4	0.0	33.4



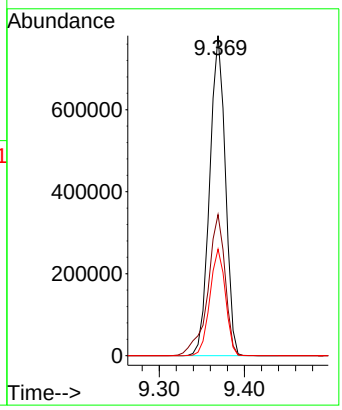


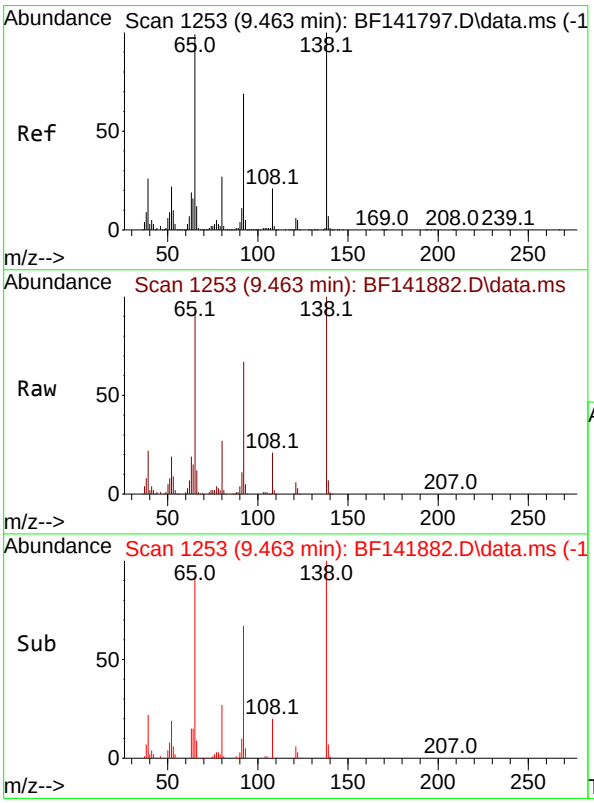
#47
2-Chloronaphthalene
Concen: 41.702 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 995170

Ion	Ratio	Lower	Upper
162	100		
127	44.1	35.0	52.6
164	33.3	26.6	40.0

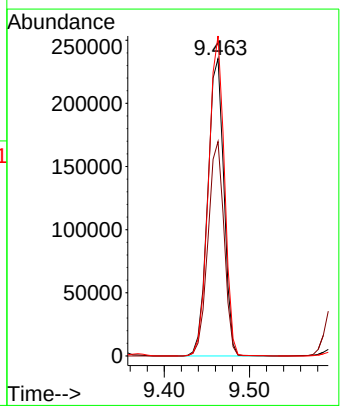


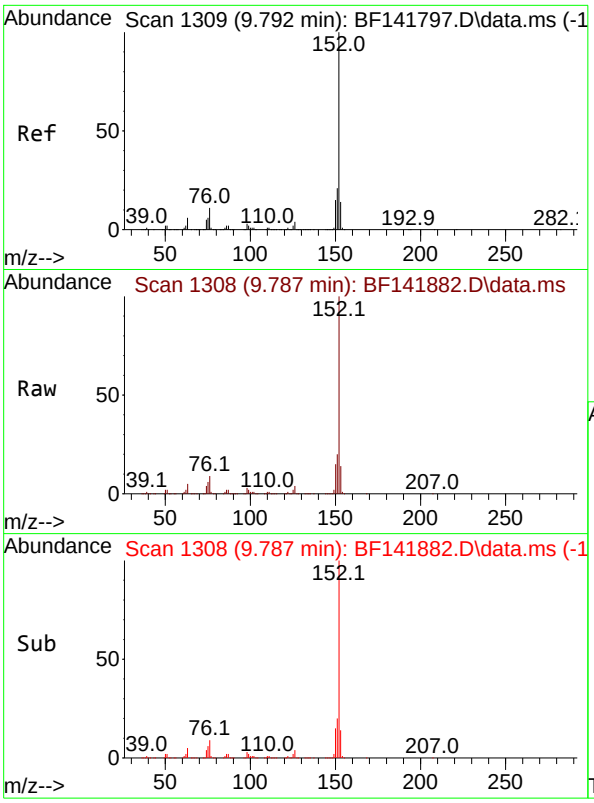


#48
2-Nitroaniline
Concen: 47.578 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion: 65 Resp: 310512

Ion	Ratio	Lower	Upper
65	100		
92	72.1	55.7	83.5
138	107.6	80.6	121.0



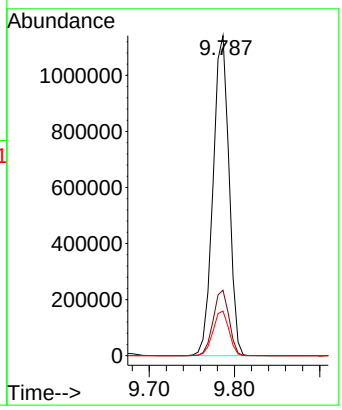


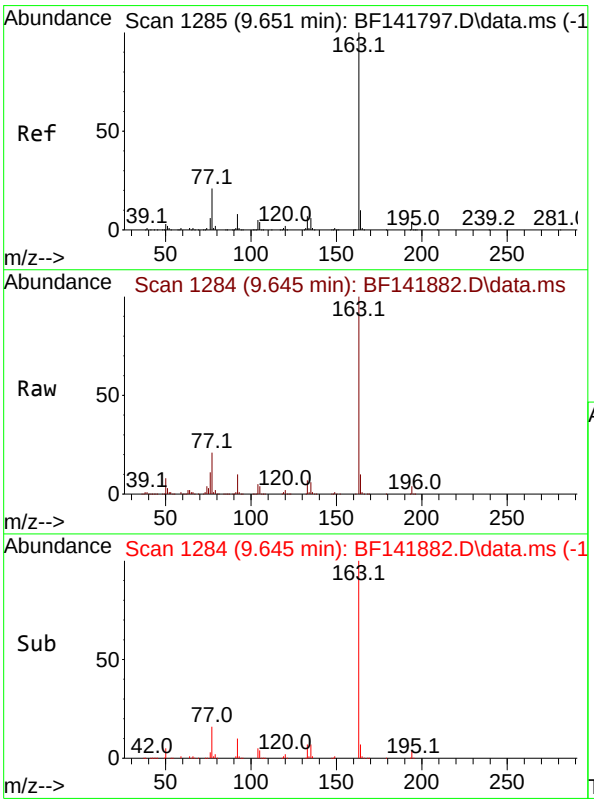
#49
Acenaphthylene
Concen: 41.425 ng
RT: 9.787 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1482184

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.6	24.8
153	14.0	11.2	16.8

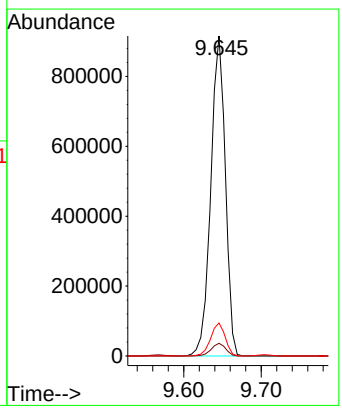


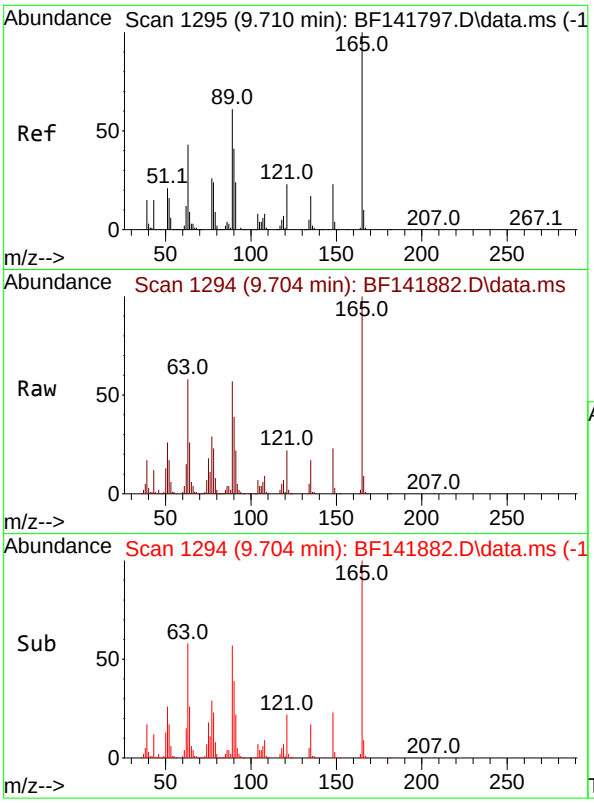


#50
Dimethylphthalate
Concen: 42.024 ng
RT: 9.645 min Scan# 1284
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:163 Resp: 1195459

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.3	8.4	12.6



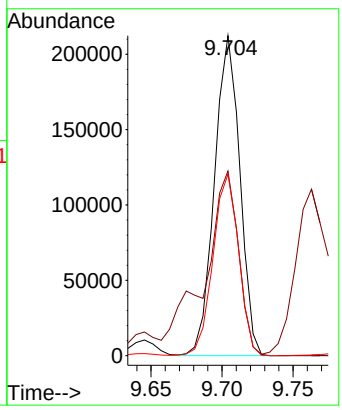


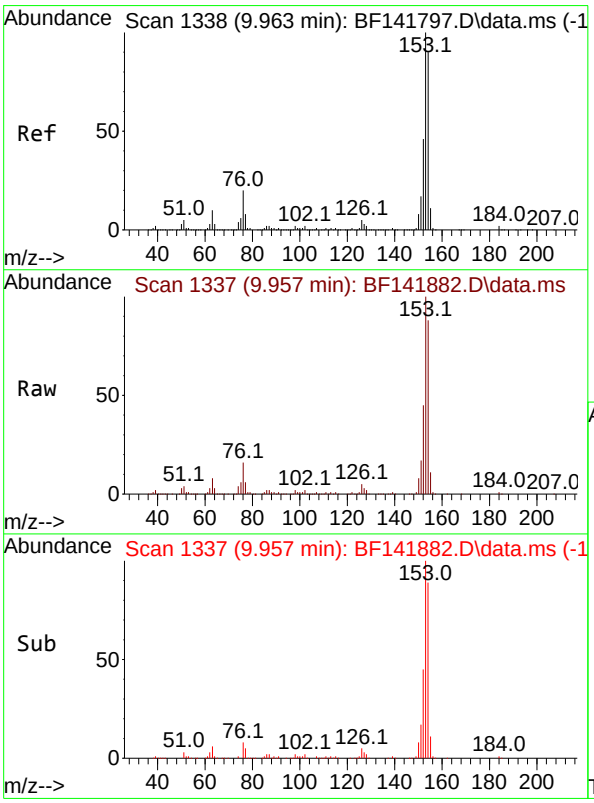
#51
2,6-Dinitrotoluene
Concen: 48.466 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 263902

Ion	Ratio	Lower	Upper
165	100		
63	57.7	49.5	74.3
89	56.7	49.0	73.4

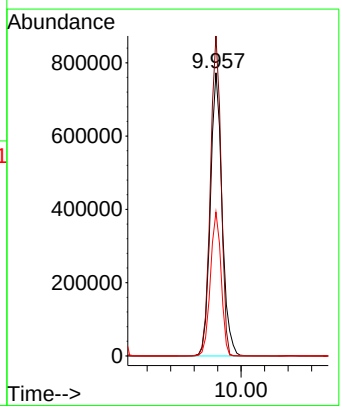


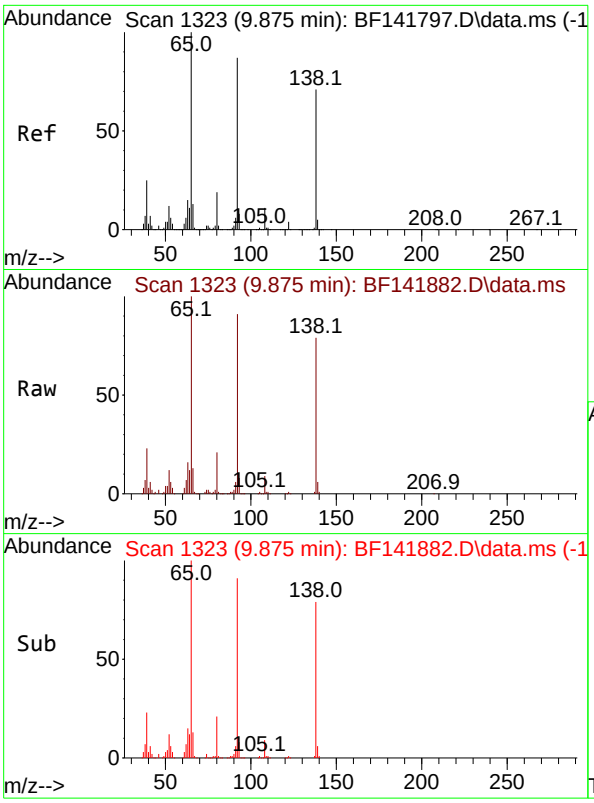


#52
Acenaphthene
Concen: 44.141 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:154 Resp: 1065668

Ion	Ratio	Lower	Upper
154	100		
153	113.0	88.7	133.1
152	50.8	40.9	61.3



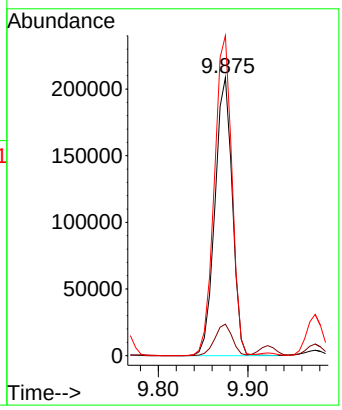


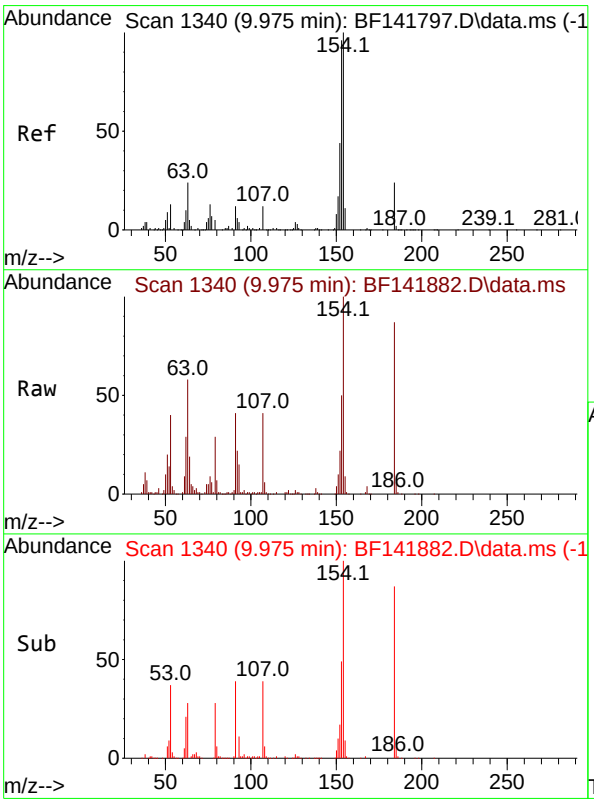
#53
3-Nitroaniline
Concen: 48.270 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 279903

Ion	Ratio	Lower	Upper
138	100		
108	11.3	12.7	19.1#
92	115.1	97.9	146.9

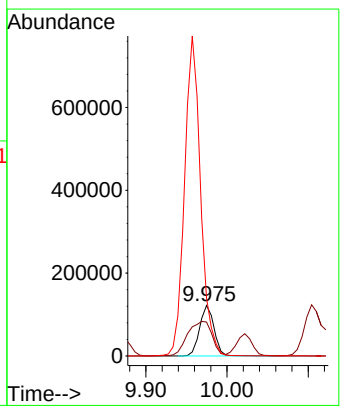


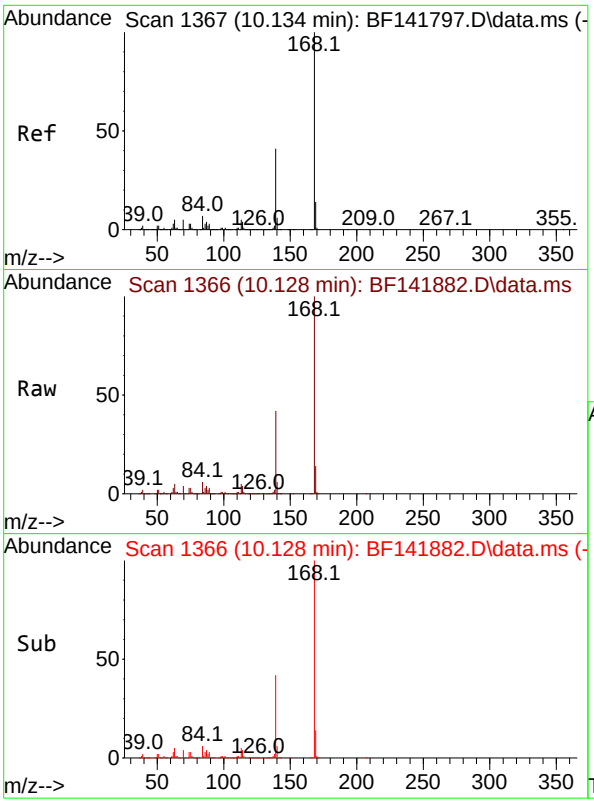


#54
2,4-Dinitrophenol
Concen: 64.789 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:184 Resp: 150349

Ion	Ratio	Lower	Upper
184	100		
63	67.1	79.0	118.6#
154	114.7	335.8	503.8#



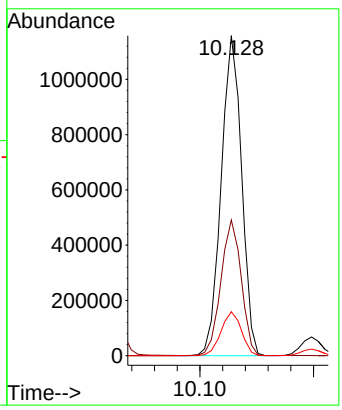


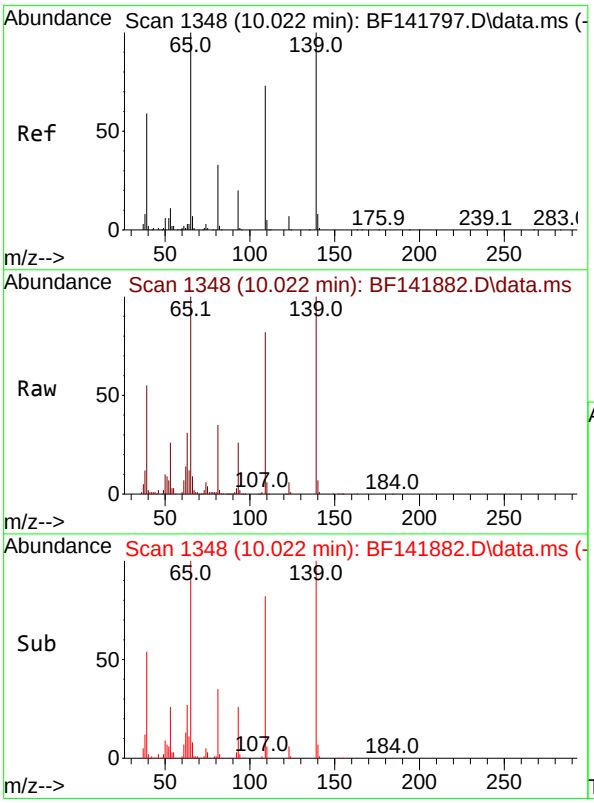
#55
Dibenzofuran
Concen: 41.199 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1447705

Ion	Ratio	Lower	Upper
168	100		
139	42.4	32.9	49.3
169	13.7	11.1	16.7

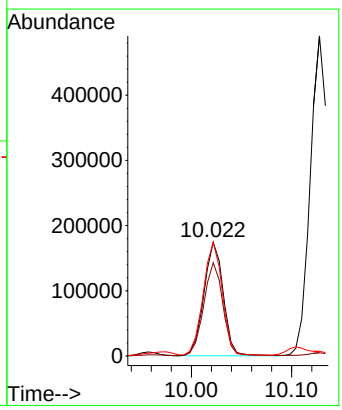


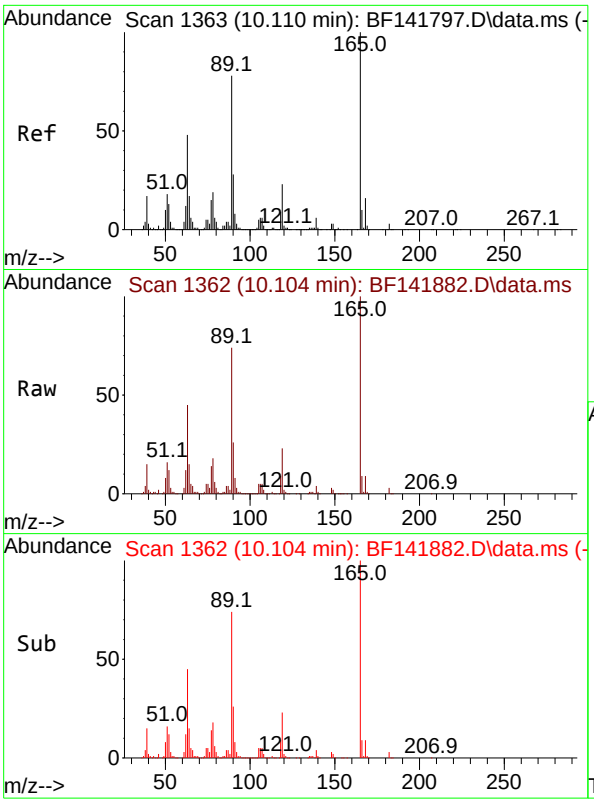


#56
4-Nitrophenol
Concen: 55.625 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:139 Resp: 233707

Ion	Ratio	Lower	Upper
139	100		
109	82.1	53.4	93.4
65	100.2	82.1	122.1



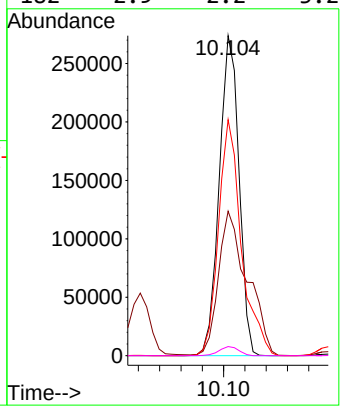


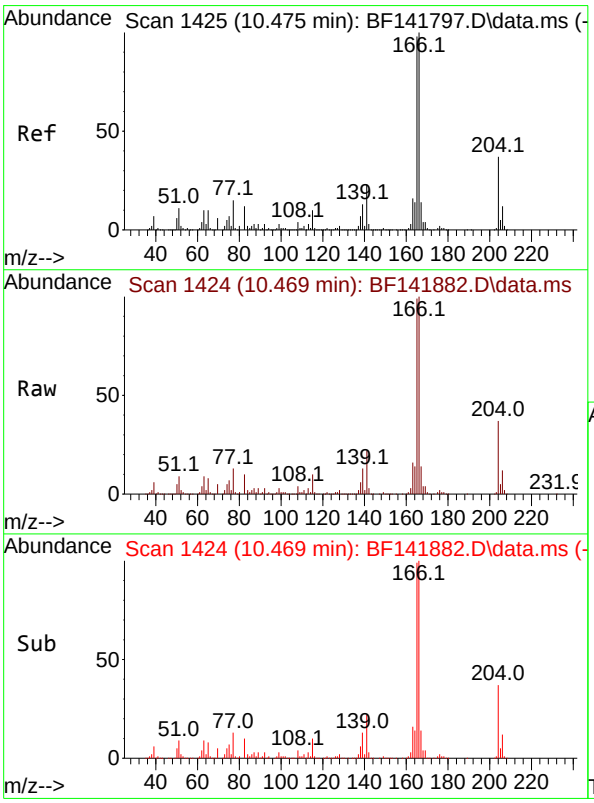
#57
2,4-Dinitrotoluene
Concen: 52.617 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 352174

Ion	Ratio	Lower	Upper
165	100		
63	45.2	38.8	58.2
89	73.7	62.6	94.0
182	2.9	2.2	3.2

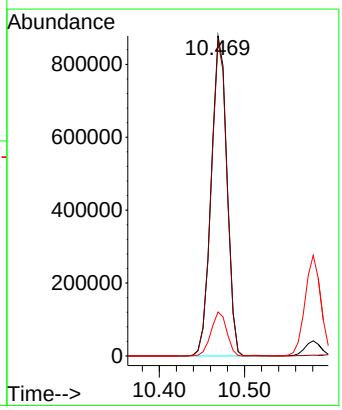


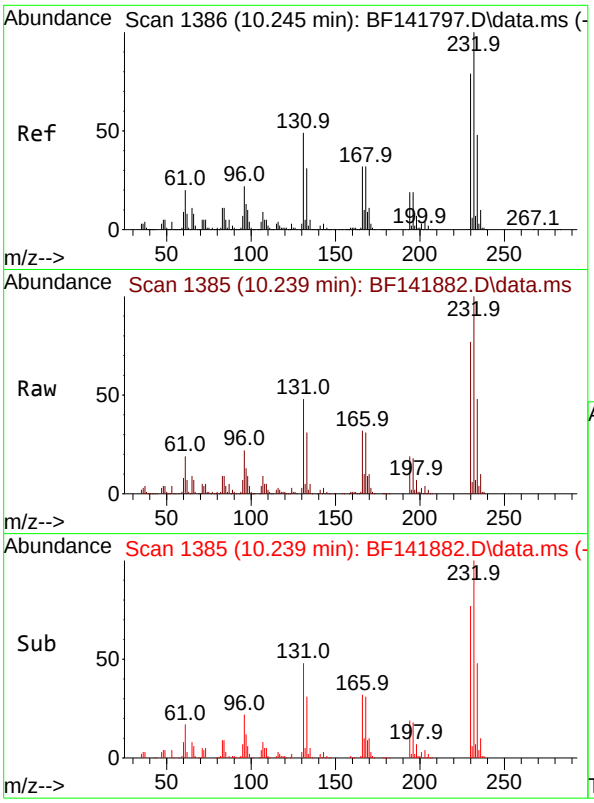


#58
Fluorene
Concen: 42.973 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:166 Resp: 1131091

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.6	117.8
167	13.8	11.0	16.4



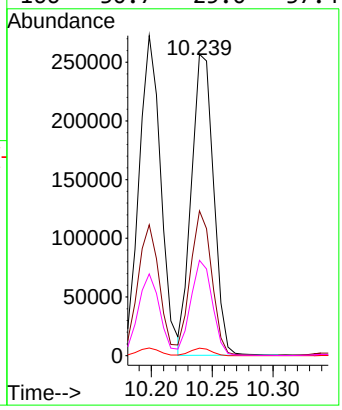


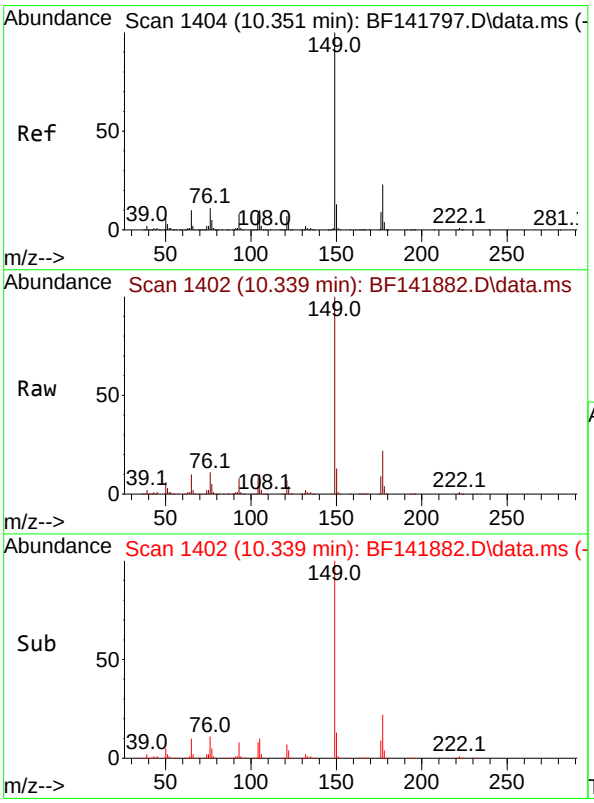
#59
2,3,4,6-Tetrachlorophenol
Concen: 47.692 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 325495

Ion	Ratio	Lower	Upper
232	100		
131	46.1	37.8	56.8
130	2.4	2.0	3.0
166	30.7	25.0	37.4

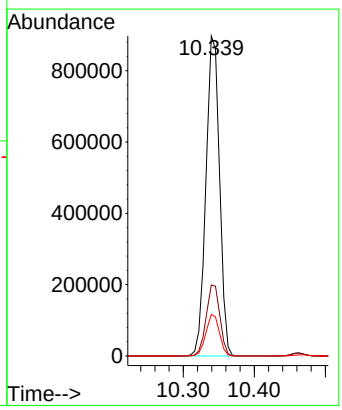


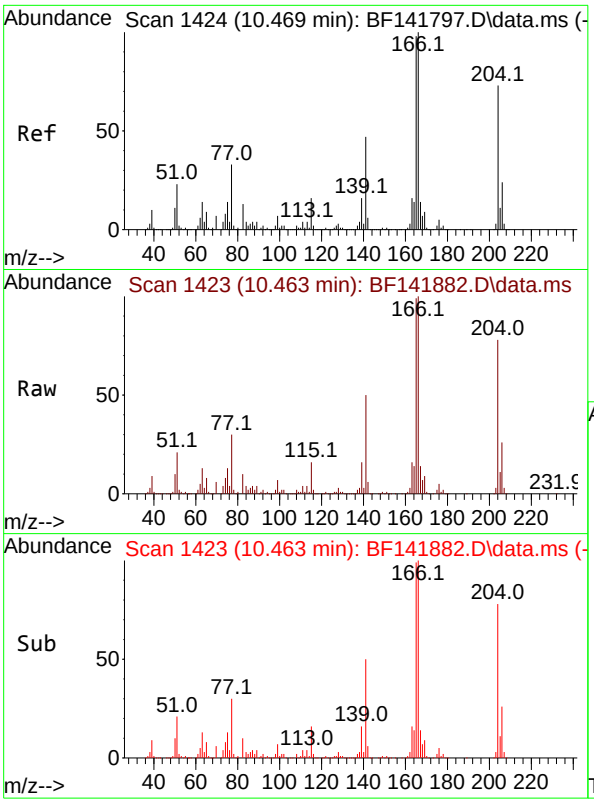


#60
Diethylphthalate
Concen: 41.951 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:149 Resp: 1196331

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.3	27.5
150	12.9	10.3	15.5



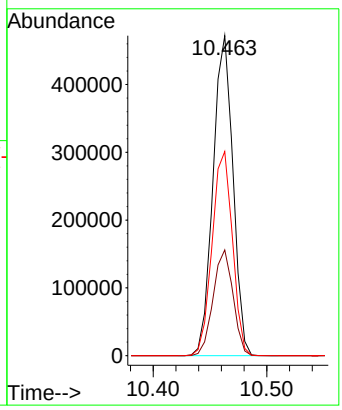


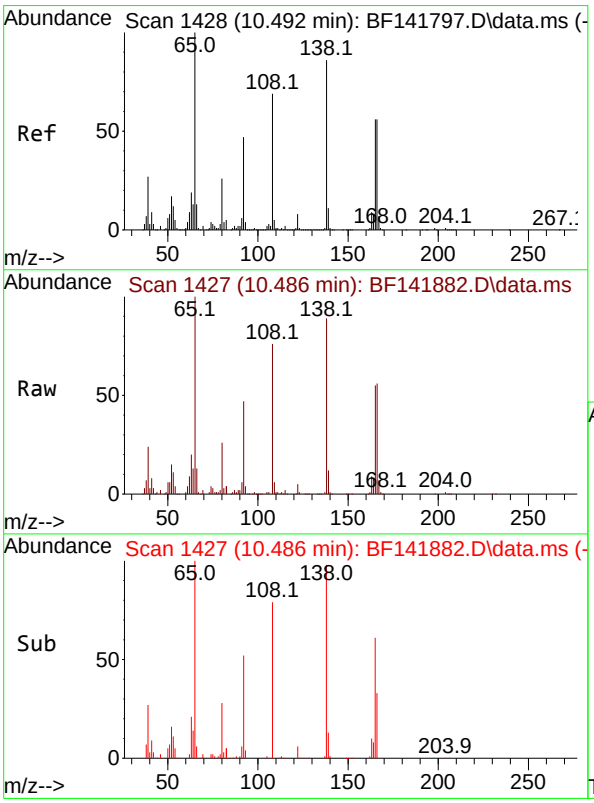
#61
4-Chlorophenyl-phenylether
Concen: 43.684 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 576098

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.2	39.4
141	63.8	51.7	77.5

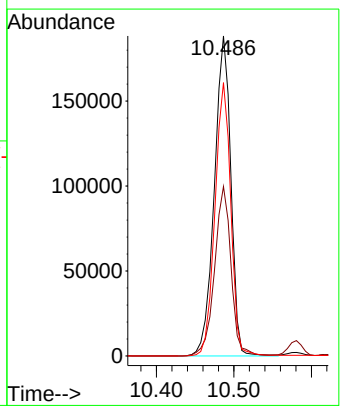


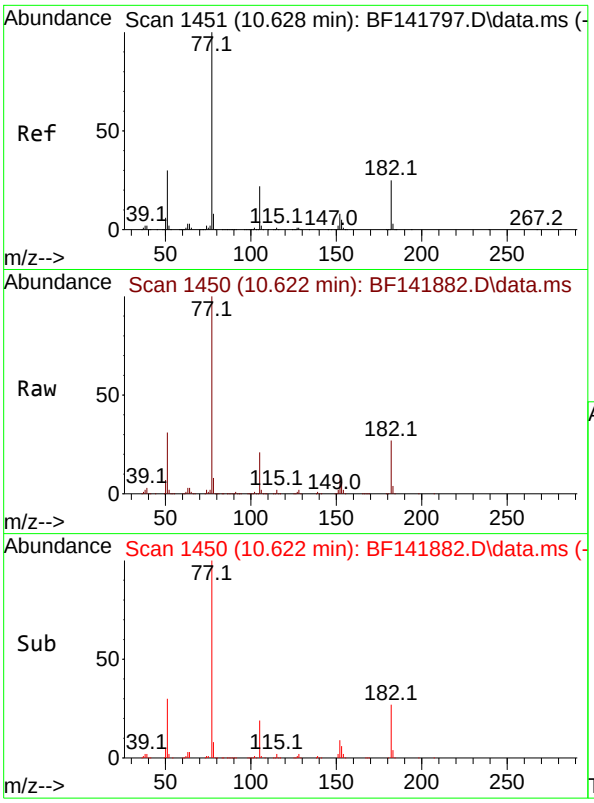


#62
4-Nitroaniline
Concen: 57.344 ng
RT: 10.486 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:138 Resp: 278576

Ion	Ratio	Lower	Upper
138	100		
92	53.0	34.9	74.9
108	85.4	59.6	99.6



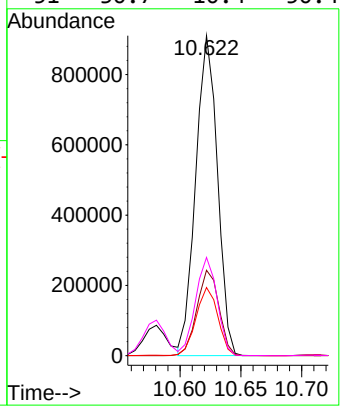


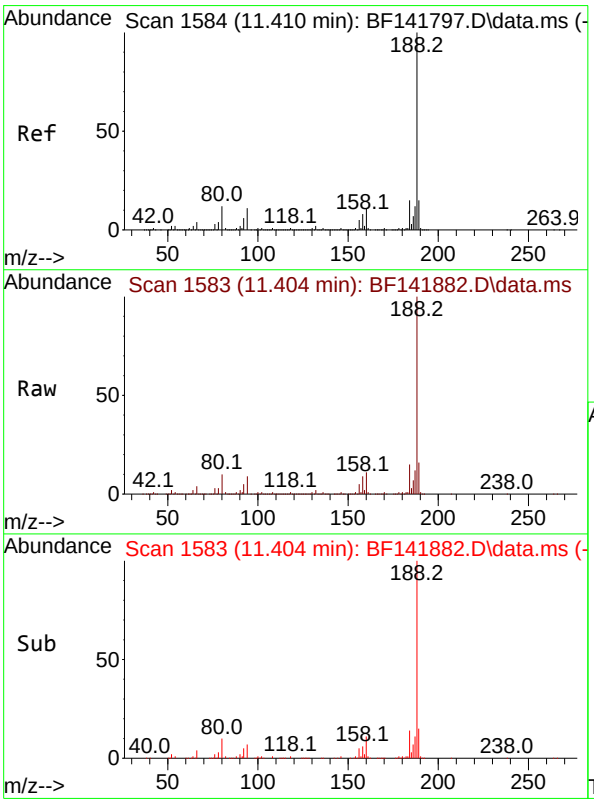
#63
Azobenzene
Concen: 37.727 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1132824

Ion	Ratio	Lower	Upper
77	100		
182	26.7	4.2	44.2
105	21.3	1.5	41.5
51	30.7	10.4	50.4

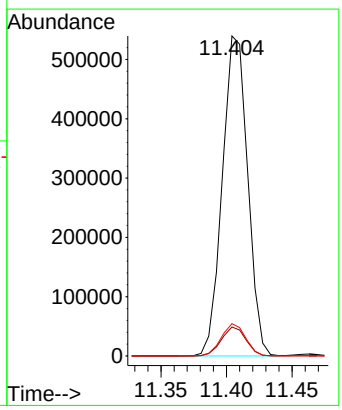


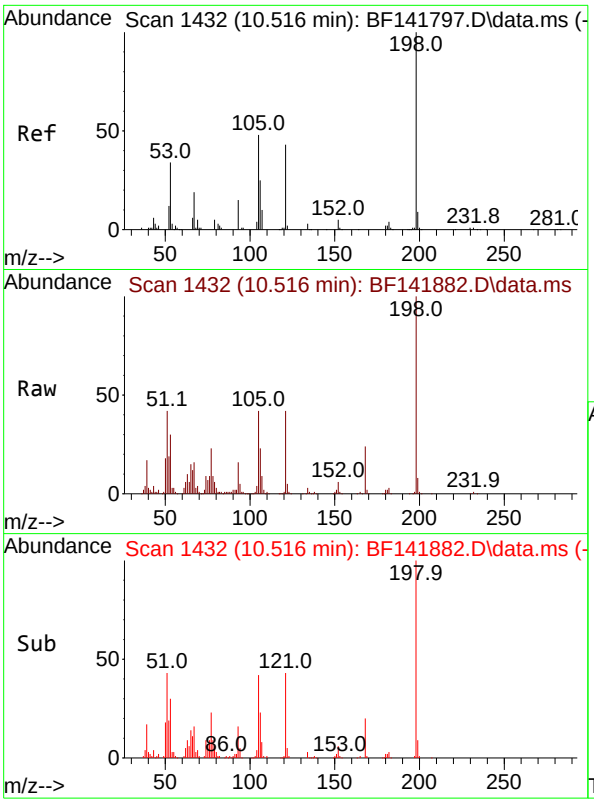


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:188 Resp: 725251

Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.9	13.3
80	10.1	9.7	14.5



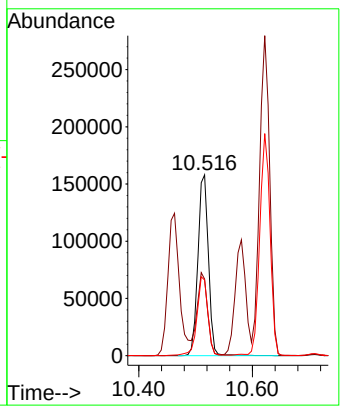


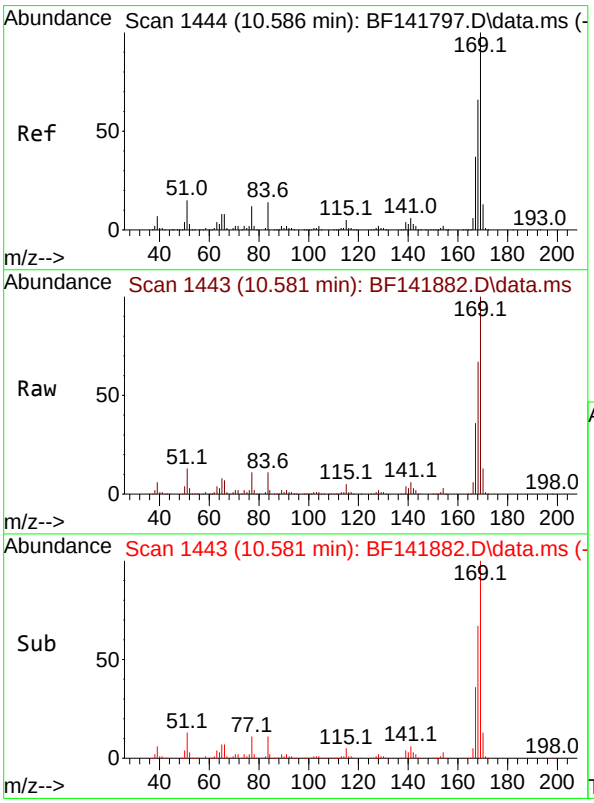
#65
4,6-Dinitro-2-methylphenol
Concen: 57.660 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 203648

Ion	Ratio	Lower	Upper
198	100		
51	42.4	32.1	72.1
105	41.8	28.5	68.5

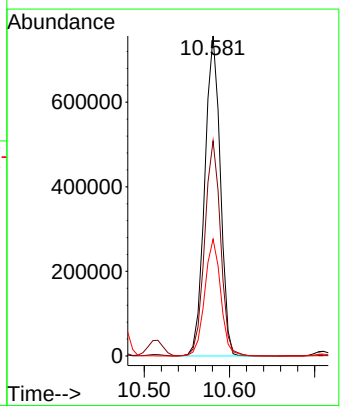


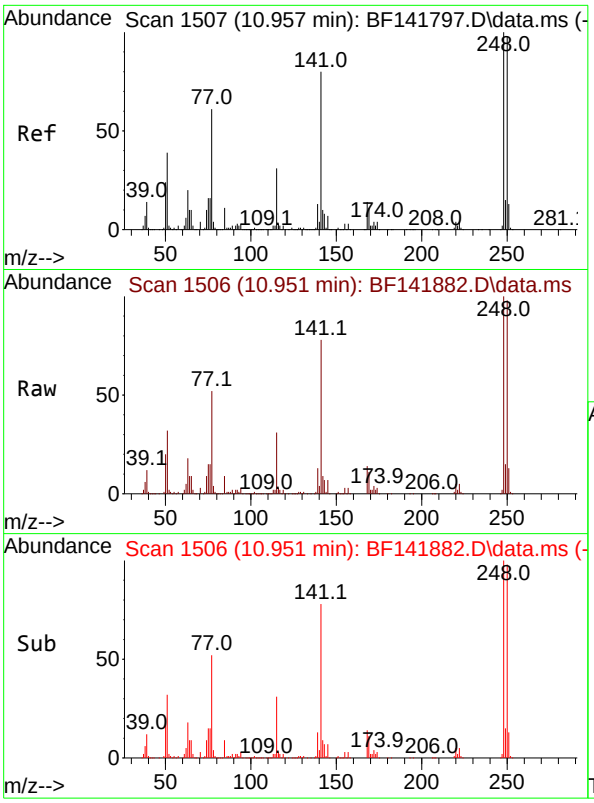


#66
n-Nitrosodiphenylamine
Concen: 40.261 ng
RT: 10.581 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:169 Resp: 958807

Ion	Ratio	Lower	Upper
169	100		
168	67.3	53.0	79.6
167	36.5	29.3	43.9



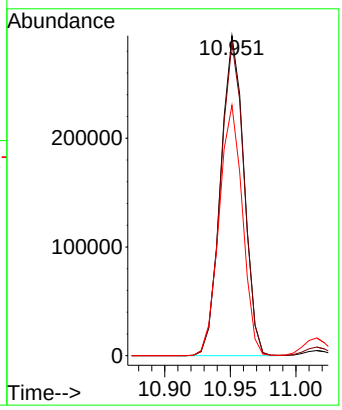


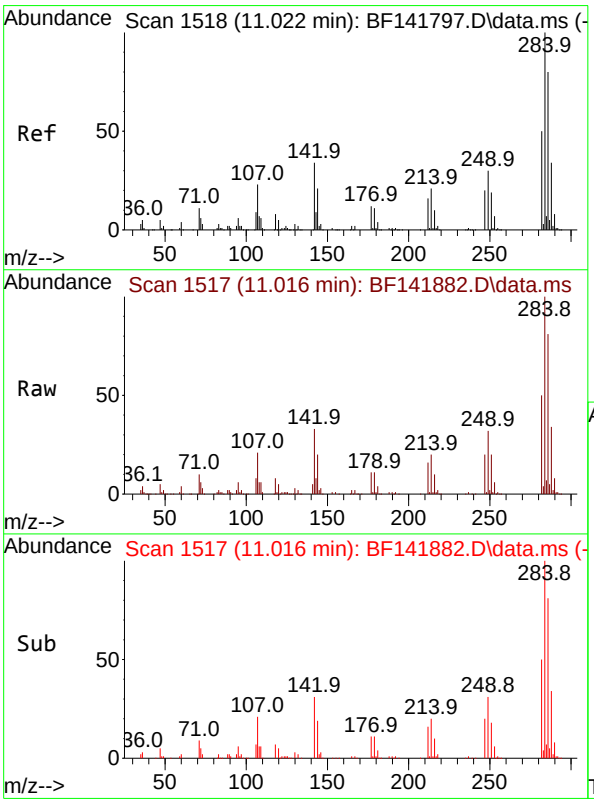
#67
4-Bromophenyl-phenylether
Concen: 42.900 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 363416

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.1	117.1
141	78.3	64.3	96.5

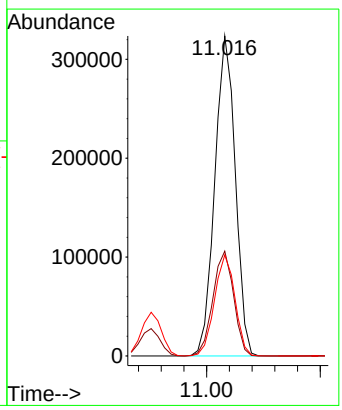


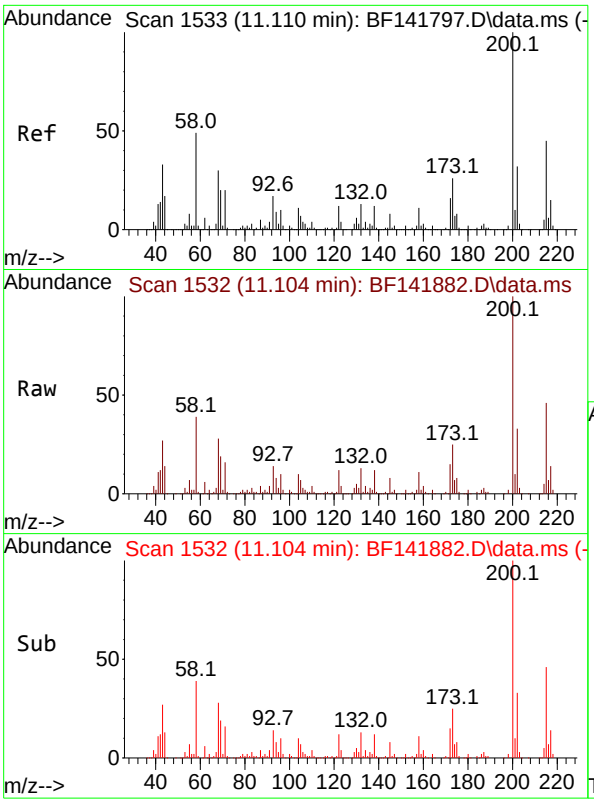


#68
Hexachlorobenzene
Concen: 45.366 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:284 Resp: 405812

Ion	Ratio	Lower	Upper
284	100		
142	32.7	28.2	42.2
249	31.6	25.5	38.3



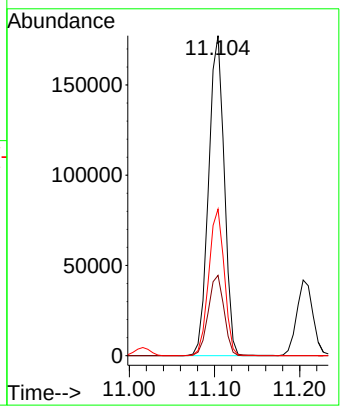


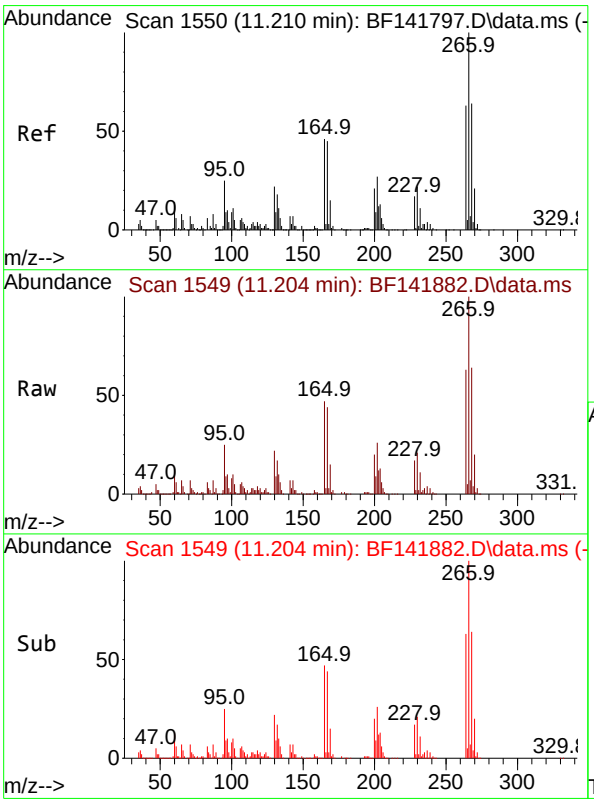
#69
Atrazine
Concen: 34.487 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 225851

Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.6	45.6
215	45.8	25.3	65.3

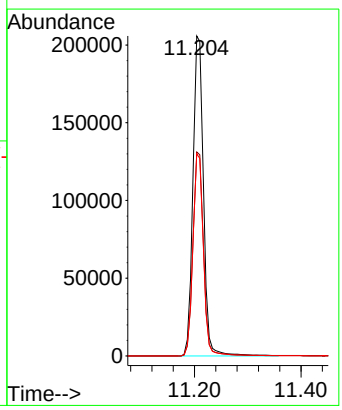


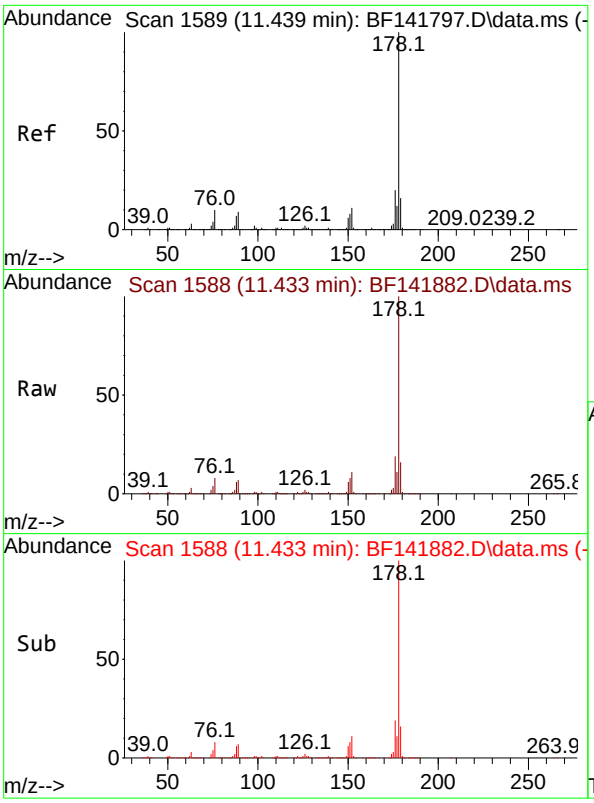


#70
Pentachlorophenol
Concen: 49.971 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:266 Resp: 283509

Ion	Ratio	Lower	Upper
266	100		
268	63.8	50.9	76.3
264	63.2	50.2	75.4



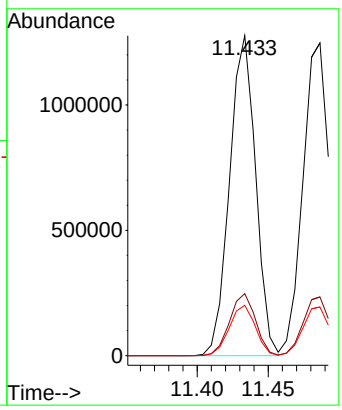


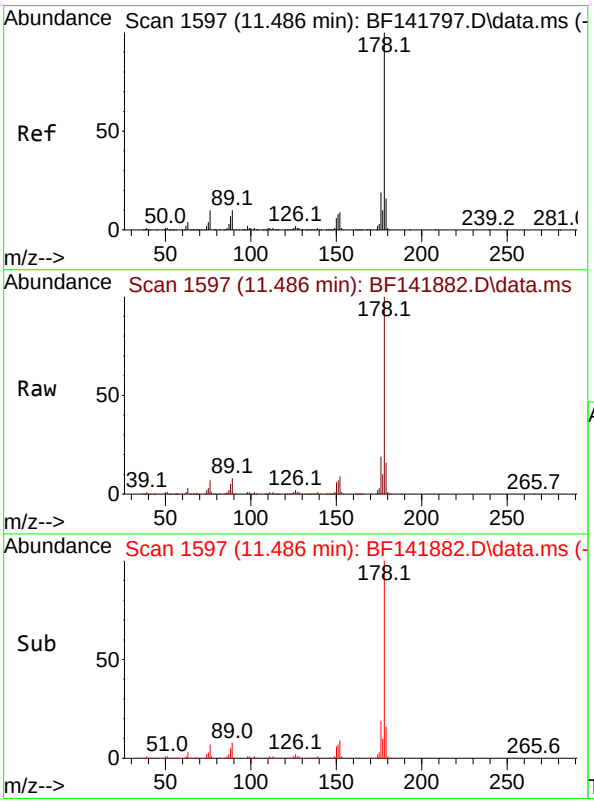
#71
Phenanthrene
Concen: 41.941 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1627067

Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.0	24.0
179	15.7	12.6	19.0

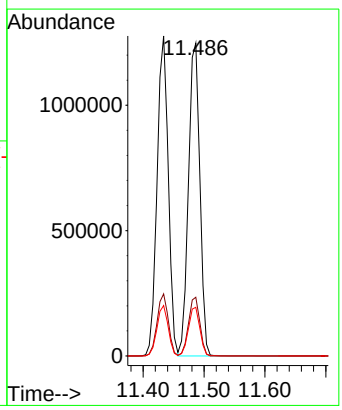


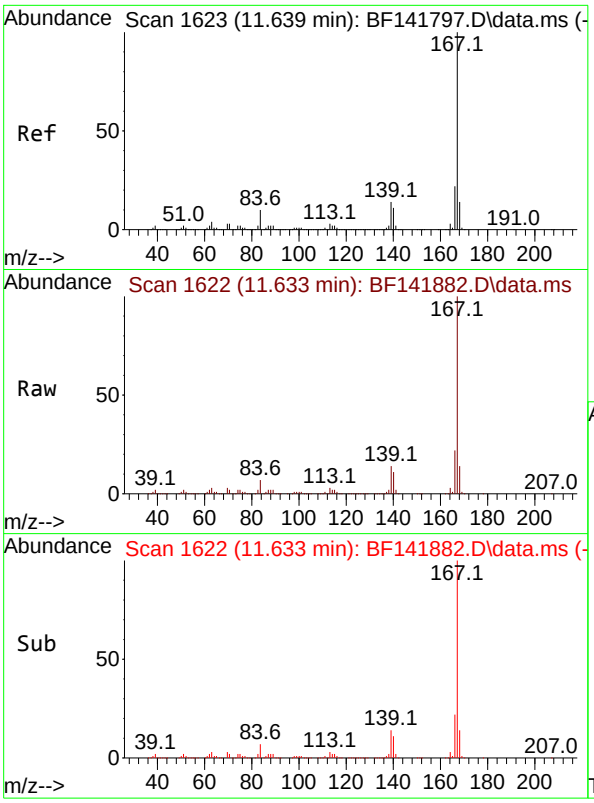


#72
Anthracene
Concen: 41.818 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:178 Resp: 1625869

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.6	12.8	19.2



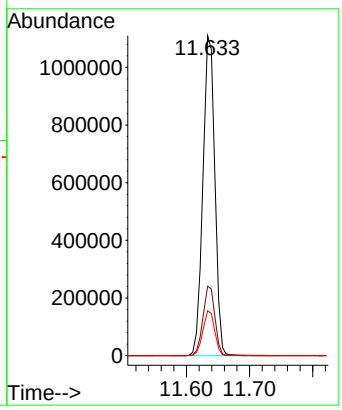


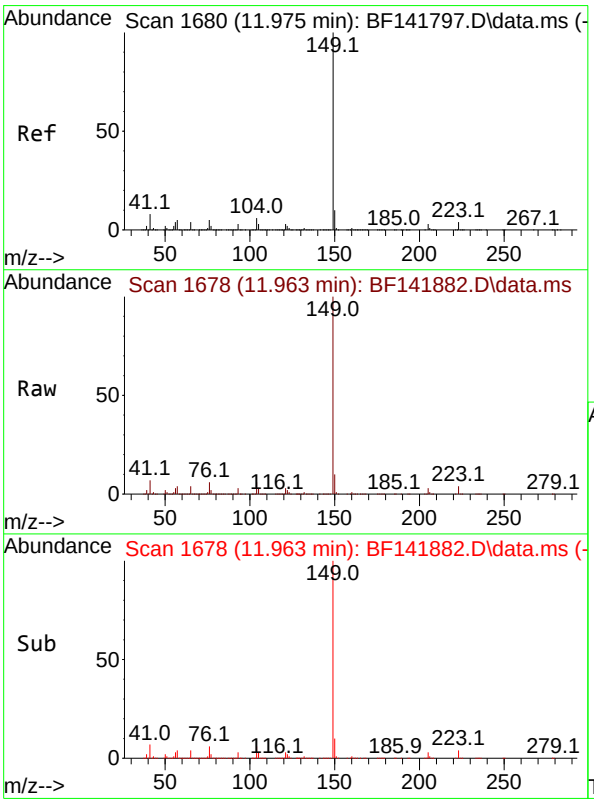
#73
Carbazole
Concen: 42.664 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1464842

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.5	26.3
139	14.0	11.3	16.9

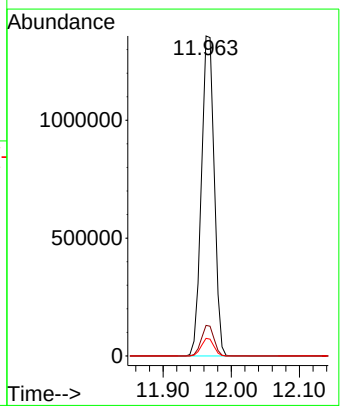


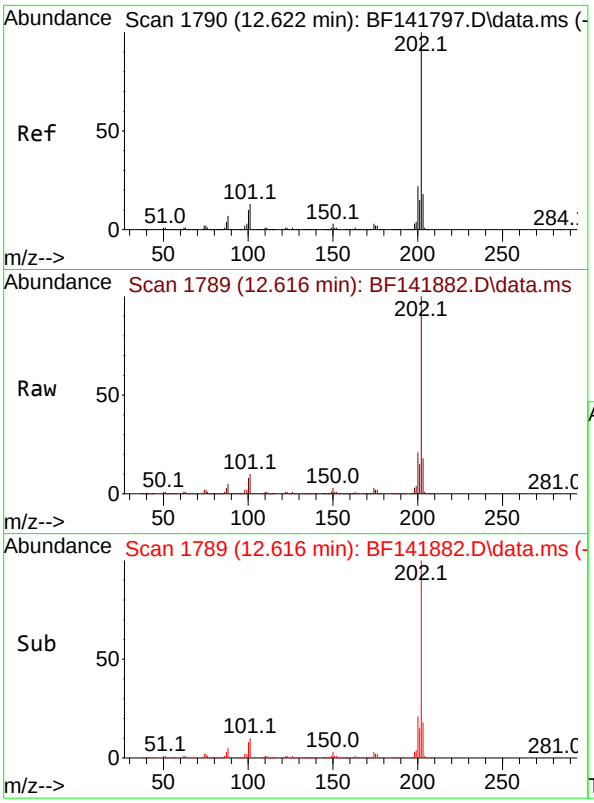


#74
Di-n-butylphthalate
Concen: 40.848 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:149 Resp: 1777768

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.7	11.5
104	5.5	4.4	6.6



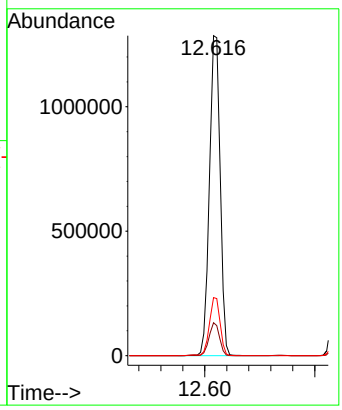


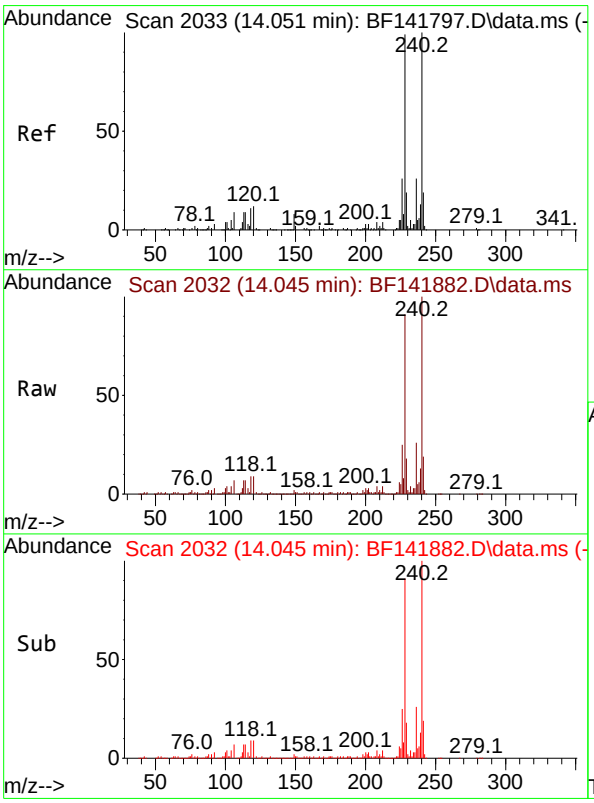
#75
Fluoranthene
Concen: 43.809 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1741431

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	32.8
203	18.2	0.0	38.0

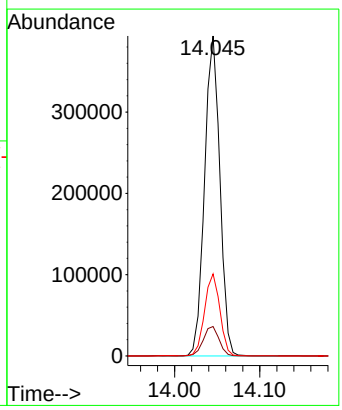


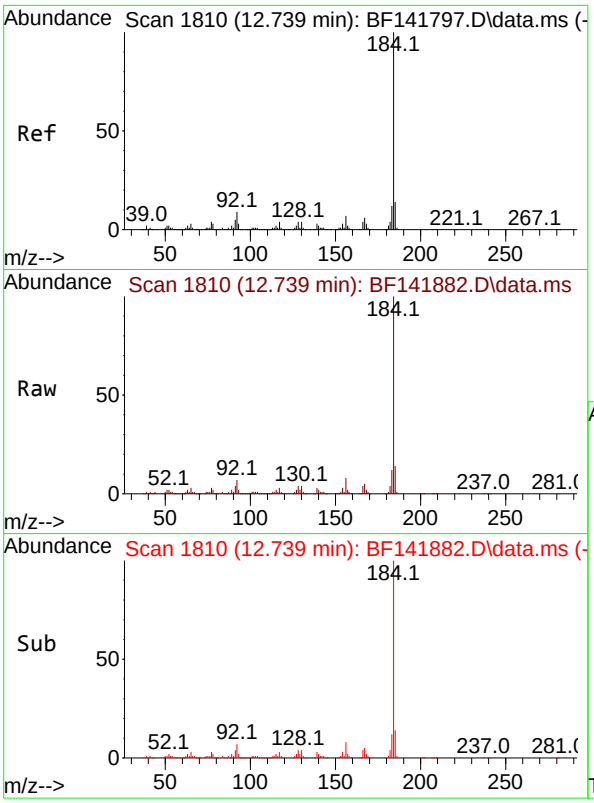


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:240 Resp: 490278

Ion	Ratio	Lower	Upper
240	100		
120	9.2	9.7	14.5#
236	25.7	21.0	31.4



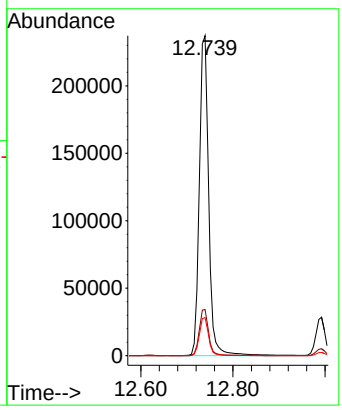


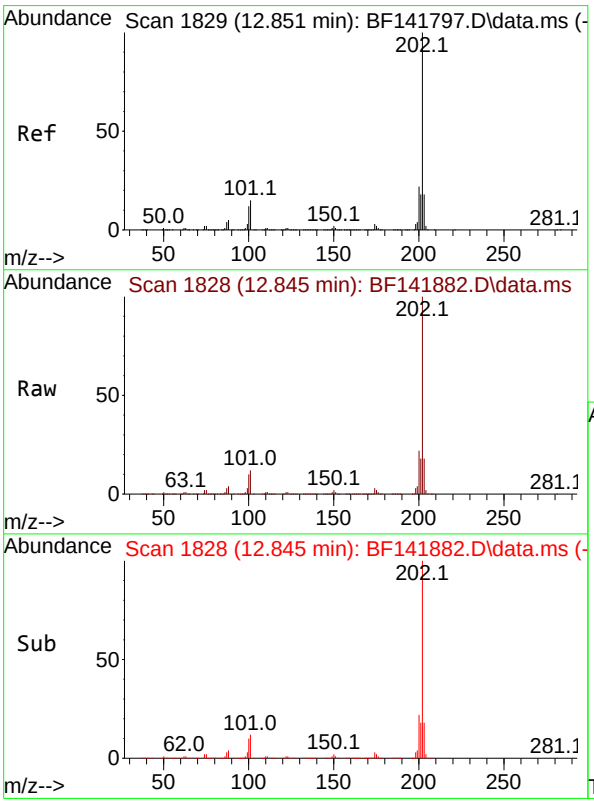
#77
Benzidine
Concen: 54.265 ng
RT: 12.739 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 334863

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.6	17.4
183	11.9	9.4	14.0

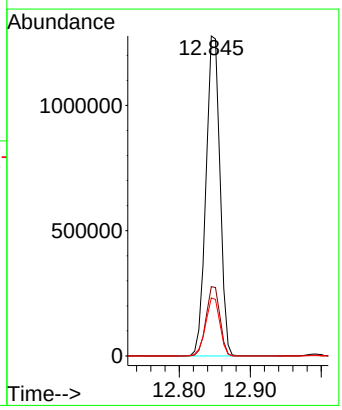


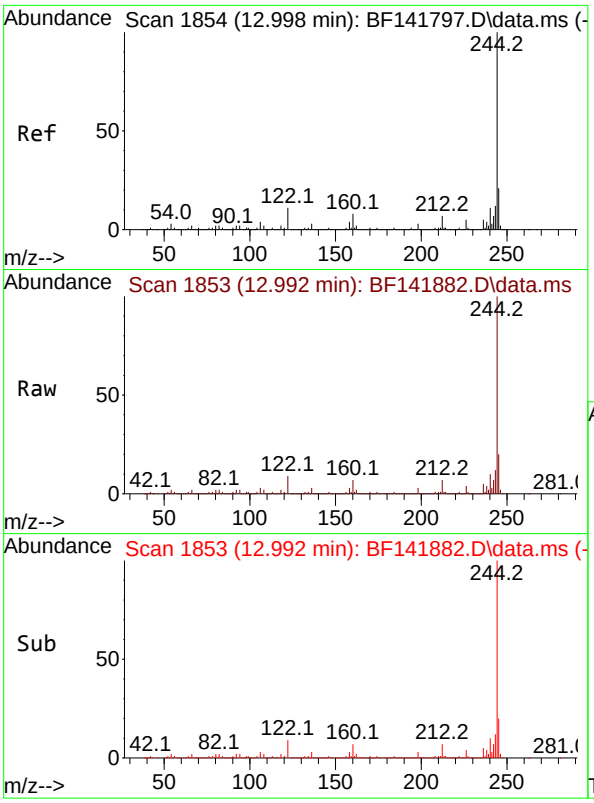


#78
Pyrene
Concen: 41.240 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:202 Resp: 1750834

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.0
203	18.2	14.6	22.0



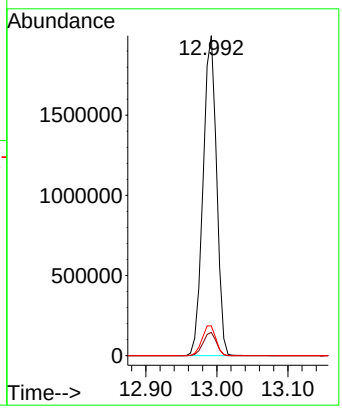


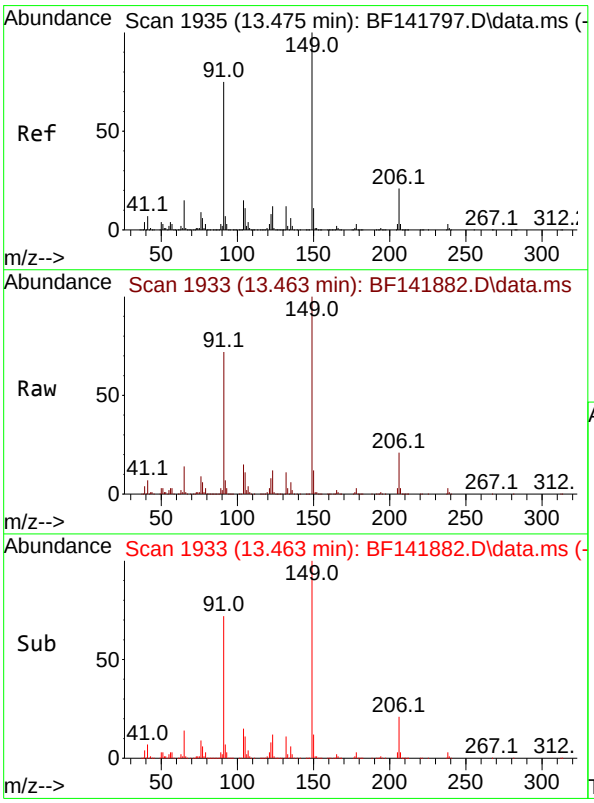
#79
Terphenyl-d14
Concen: 87.300 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 2645443

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	9.3	9.0	13.6

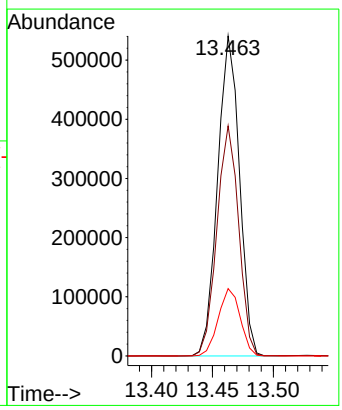


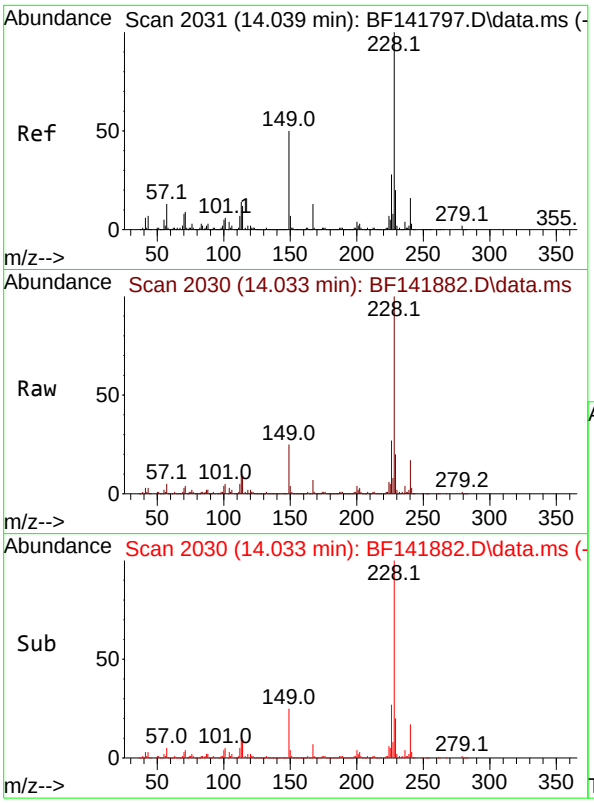


#80
Butylbenzylphthalate
Concen: 43.806 ng
RT: 13.463 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:149 Resp: 675703

Ion	Ratio	Lower	Upper
149	100		
91	71.9	60.1	90.1
206	21.1	16.8	25.2



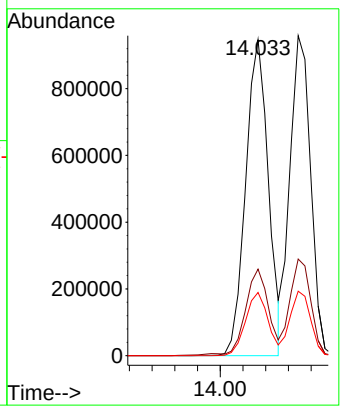


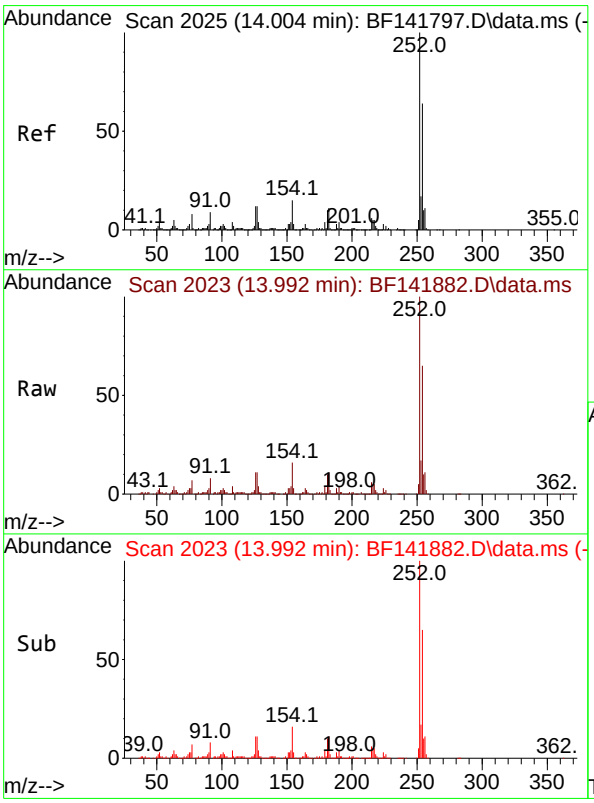
#81
Benzo(a)anthracene
Concen: 40.602 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1314838

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	20.0	16.1	24.1

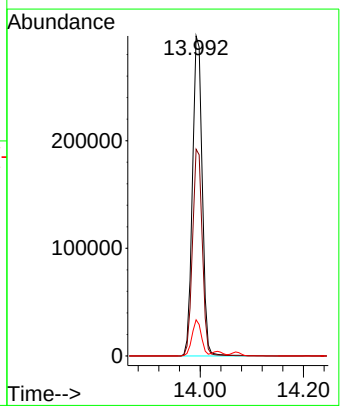


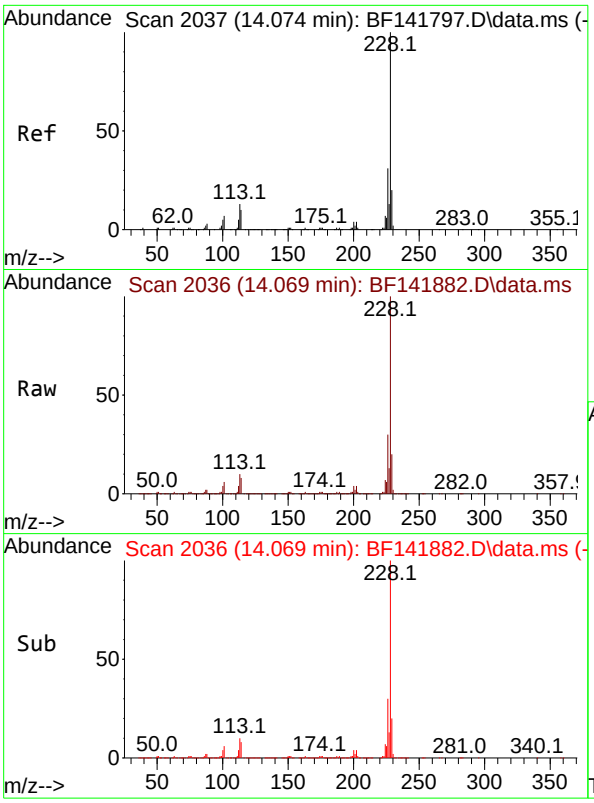


#82
3,3'-Dichlorobenzidine
Concen: 41.897 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:252 Resp: 389271

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.4	77.0
126	11.3	9.8	14.6



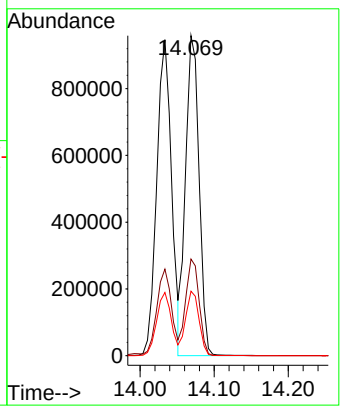


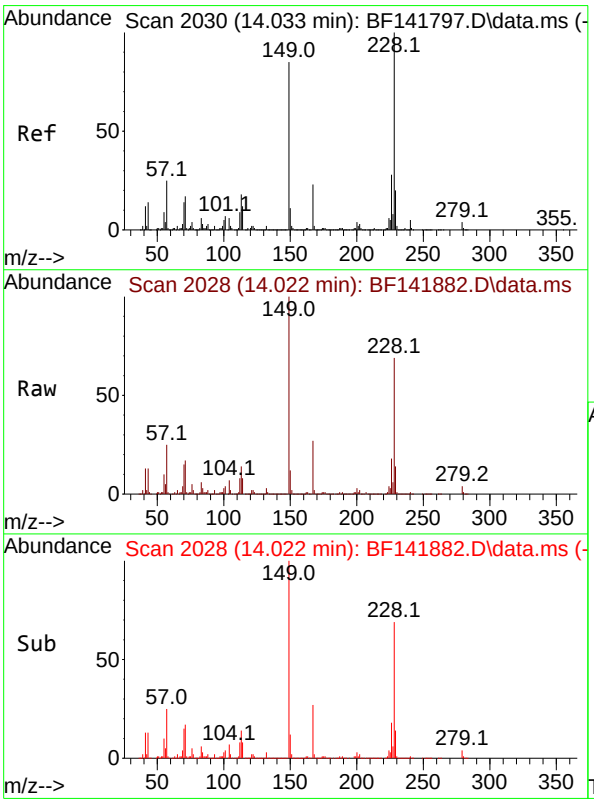
#83
Chrysene
Concen: 40.821 ng
RT: 14.069 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1218583

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0
229	20.2	16.1	24.1

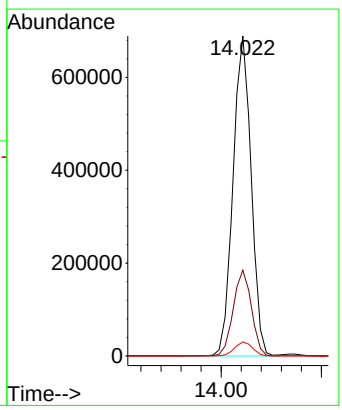


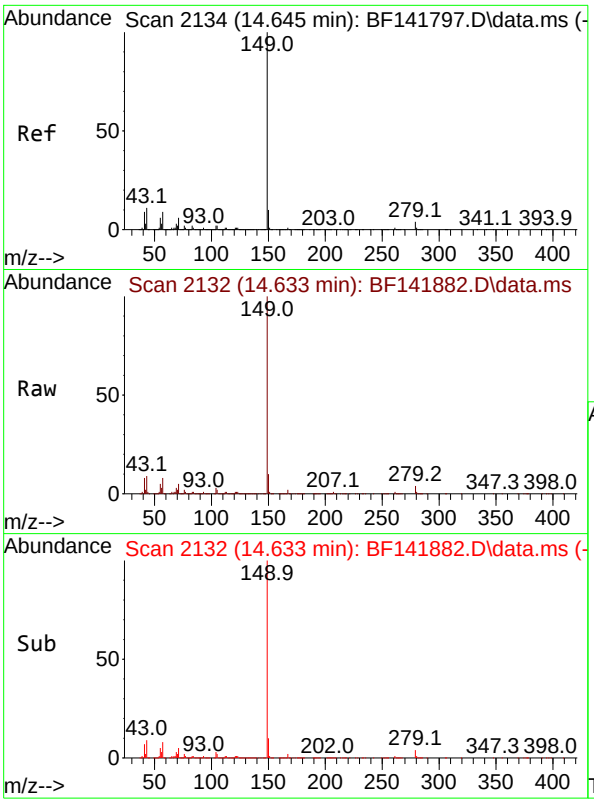


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.141 ng
RT: 14.022 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:149 Resp: 866982

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.2	31.8
279	4.4	3.3	4.9



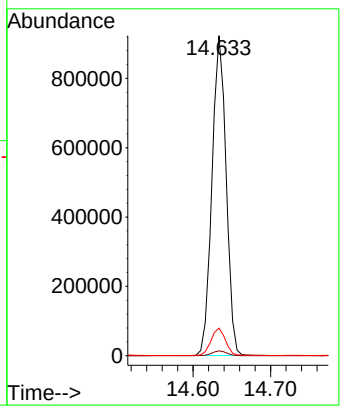


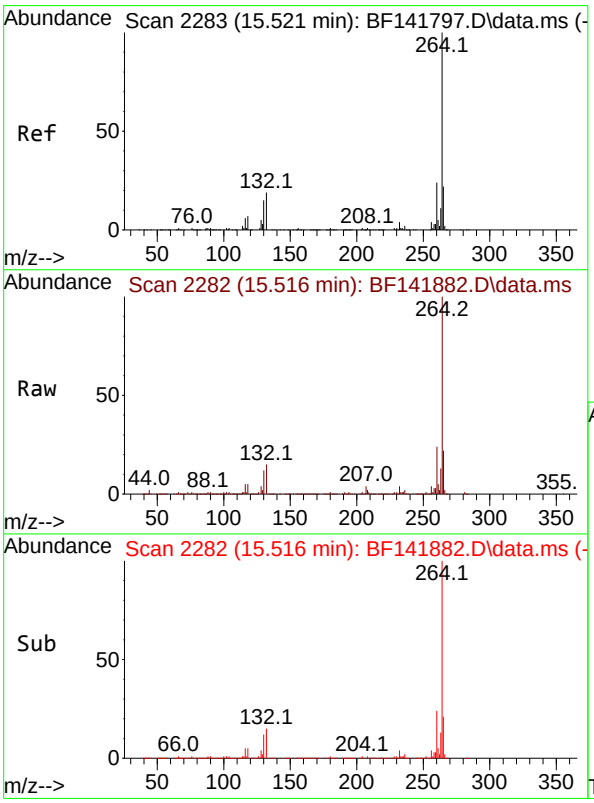
#85
Di-n-octyl phthalate
Concen: 40.729 ng
RT: 14.633 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 1171115

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	8.8	8.6	12.8

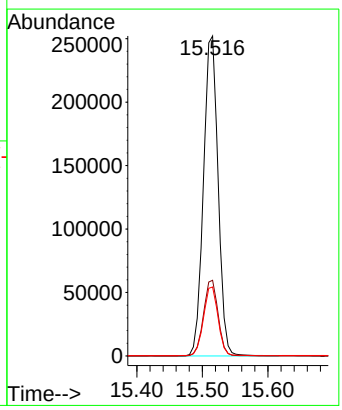


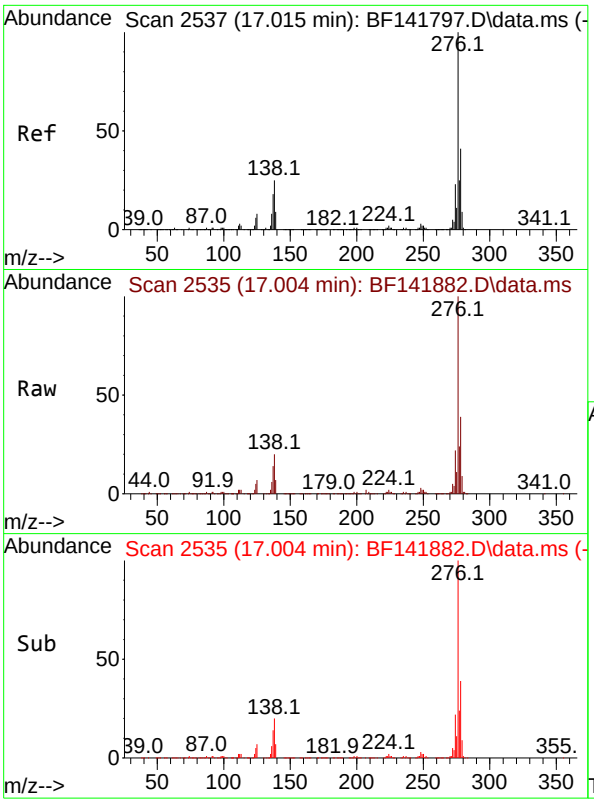


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.516 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:264 Resp: 391726

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.6	17.4	26.0



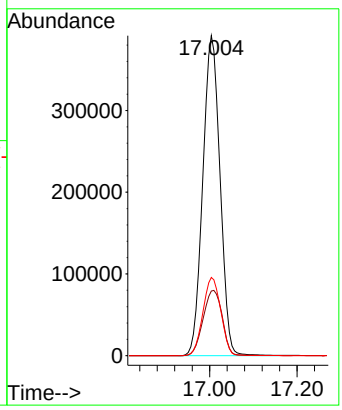


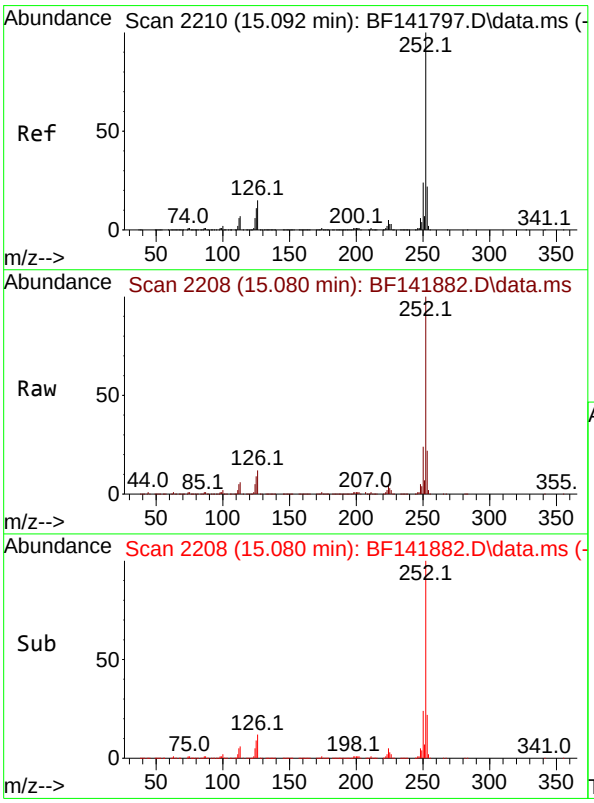
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.142 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 1076120

Ion	Ratio	Lower	Upper
276	100		
138	22.6	22.5	33.7
277	25.2	20.3	30.5

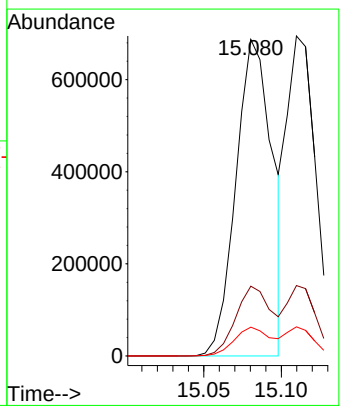


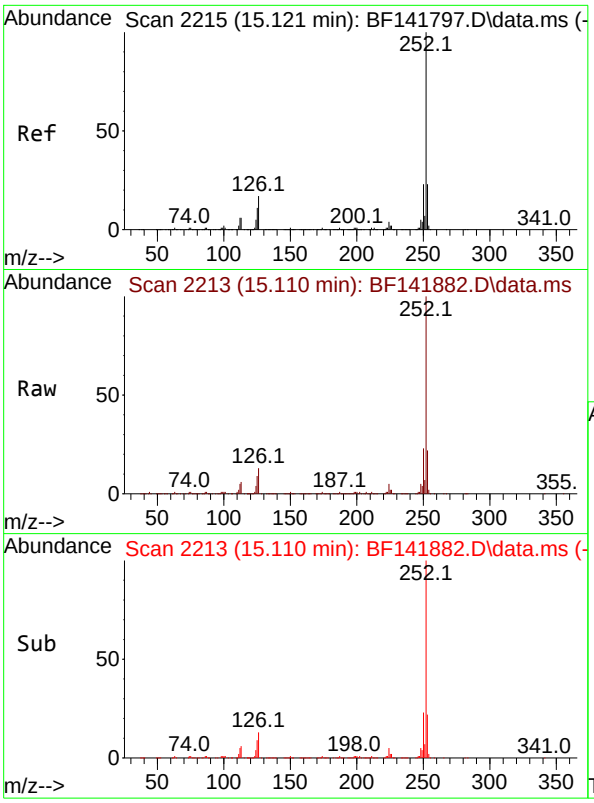


#88
Benzo(b)fluoranthene
Concen: 42.113 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:252 Resp: 1123711

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.1	8.6	13.0



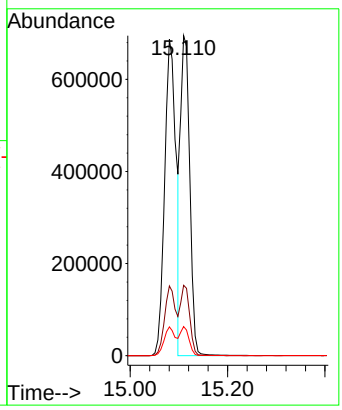


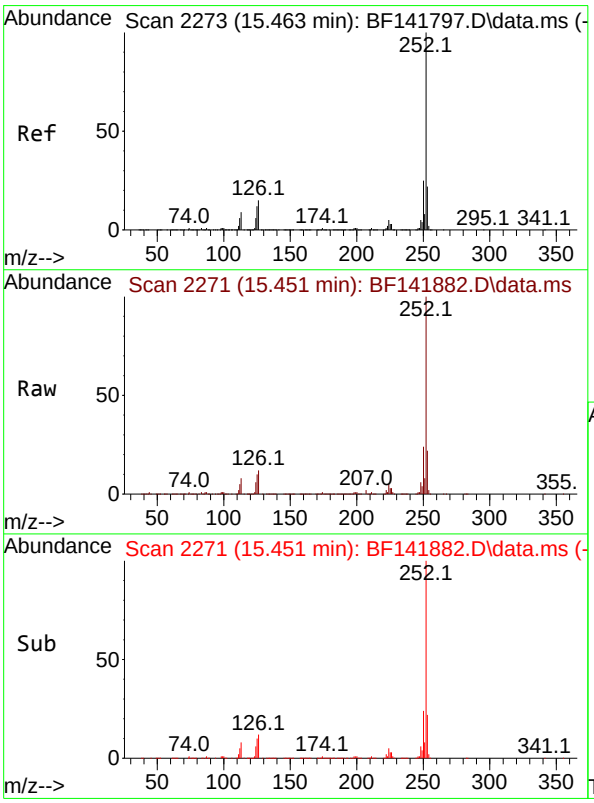
#89
Benzo(k)fluoranthene
Concen: 39.990 ng
RT: 15.110 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 906957

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	9.1	8.8	13.2

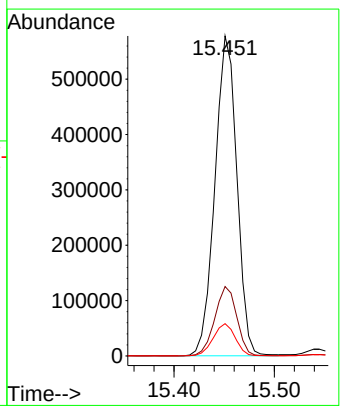


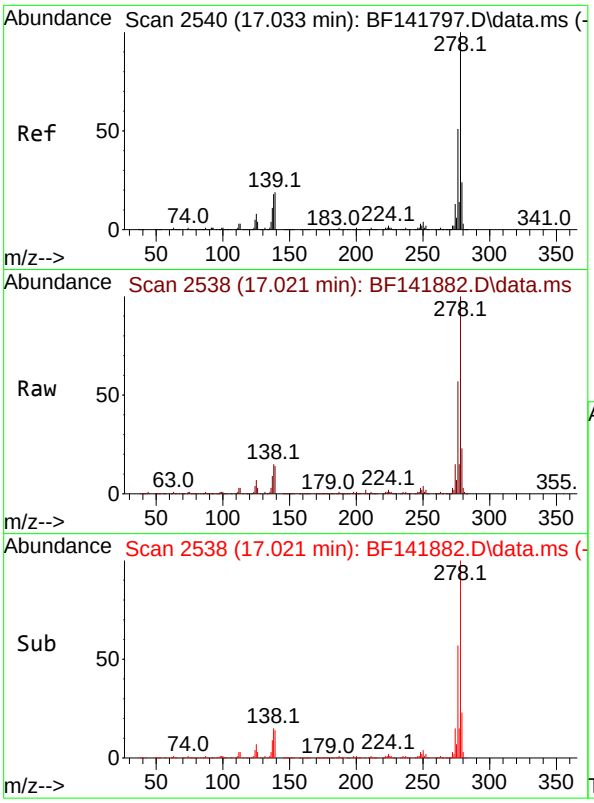


#90
Benzo(a)pyrene
Concen: 41.098 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:252 Resp: 879490

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.1	9.4	14.2



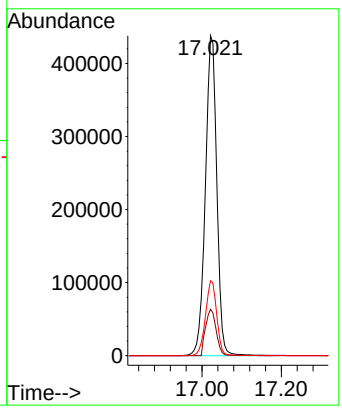


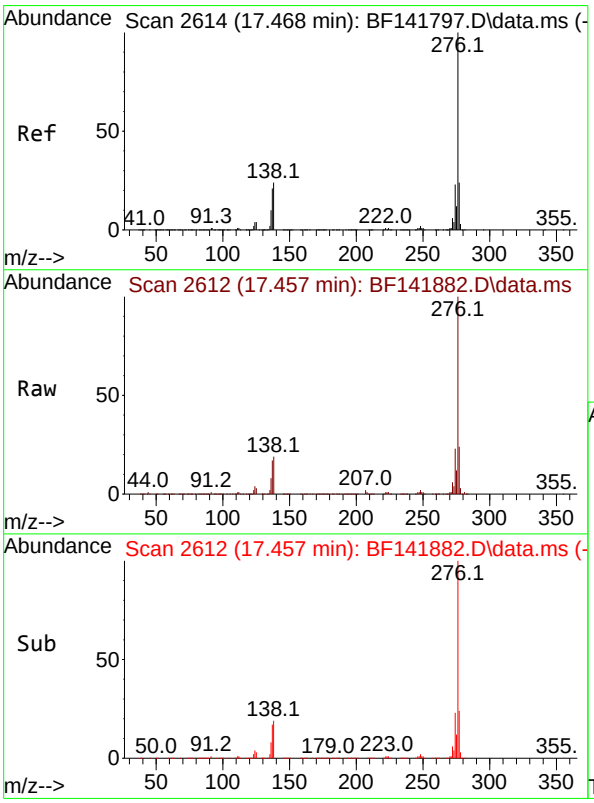
#91
Dibenzo(a,h)anthracene
Concen: 43.122 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 877994

Ion	Ratio	Lower	Upper
278	100		
139	14.5	14.9	22.3#
279	23.4	19.3	28.9

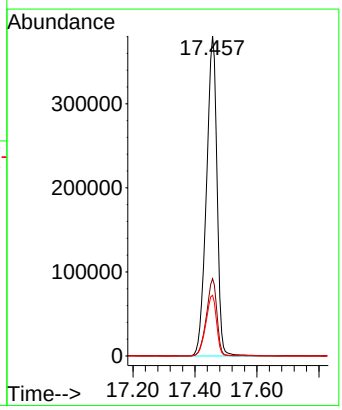




#92
Benzo(g,h,i)perylene
Concen: 43.283 ng
RT: 17.457 min Scan# 2612
Delta R.T. -0.012 min
Lab File: BF141882.D
Acq: 07 Mar 2025 08:56

Tgt Ion:276 Resp: 902824

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.4	29.0
138	19.0	19.3	28.9#



Evaluate Continuing Calibration Report

Sample Results: **BF141882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 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	71	0.00
2		1,4-Dioxane	0.568	0.546	3.9	65	0.00
3		Pyridine	1.414	1.348	4.7	65	0.00
4		n-Nitrosodimethylamine	0.680	0.652	4.1	64	0.00
5	S	2-Fluorophenol	1.252	1.256	-0.3	70	0.00
6		Aniline	1.695	1.562	7.8	62	0.00
7	S	Phenol-d6	1.630	1.579	3.1	67	0.00
8		2-Chlorophenol	1.355	1.348	0.5	68	0.00
9		Benzaldehyde	0.948	0.782	17.5	57	0.00
10	C	Phenol	1.742	1.670	4.1	65	0.00
11		bis(2-Chloroethyl)ether	1.328	1.215	8.5	65	0.00
12		1,3-Dichlorobenzene	1.451	1.464	-0.9	69	0.00
13	C	1,4-Dichlorobenzene	1.462	1.487	-1.7	70	0.00
14		1,2-Dichlorobenzene	1.365	1.385	-1.5	70	0.00
15		Benzyl Alcohol	1.303	1.274	2.2	66	0.00
16		2,2'-oxybis(1-Chloropropane	2.016	1.441	28.5#	49#	0.00
17		2-Methylphenol	1.118	1.079	3.5	66	0.00
18		Hexachloroethane	0.547	0.553	-1.1	68	0.00
19	P	n-Nitroso-di-n-propylamine	1.072	0.947	11.7	62	0.00
20		3+4-Methylphenols	1.392	1.368	1.7	68	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	68	0.00
22		Acetophenone	0.487	0.491	-0.8	67	0.00
23	S	Nitrobenzene-d5	0.313	0.378	-20.8	75	0.00
24		Nitrobenzene	0.335	0.376	-12.2	70	0.00
25		Isophorone	0.672	0.628	6.5	62	0.00
26	C	2-Nitrophenol	0.127	0.190	-49.6#	90	0.00
27		2,4-Dimethylphenol	0.247	0.249	-0.8	66	0.00
28		bis(2-Chloroethoxy)methane	0.429	0.389	9.3	61	0.00
29	C	2,4-Dichlorophenol	0.285	0.303	-6.3	69	0.00
30		1,2,4-Trichlorobenzene	0.312	0.331	-6.1	70	0.00
31		Naphthalene	1.028	1.051	-2.2	68	0.00
32		Benzoic acid	0.179	0.244	-36.3#	86	0.00
33		4-Chloroaniline	0.377	0.369	2.1	66	0.00
34	C	Hexachlorobutadiene	0.194	0.214	-10.3	73	0.00
35		Caprolactam	0.088	0.094	-6.8	69	0.00
36	C	4-Chloro-3-methylphenol	0.317	0.339	-6.9	71	0.00
37		2-Methylnaphthalene	0.674	0.681	-1.0	68	0.00
38		1-Methylnaphthalene	0.647	0.660	-2.0	69	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	68	0.00
40		1,2,4,5-Tetrachlorobenzene	0.578	0.623	-7.8	72	0.00
41	P	Hexachlorocyclopentadiene	0.241	0.262	-8.7	69	0.00
42	S	2,4,6-Tribromophenol	0.188	0.260	-38.3#	89	0.00
43	C	2,4,6-Trichlorophenol	0.373	0.408	-9.4	70	0.00
44		2,4,5-Trichlorophenol	0.369	0.436	-18.2	77	0.00
45	S	2-Fluorobiphenyl	1.247	1.329	-6.6	73	0.00
46		1,1'-Biphenyl	1.522	1.560	-2.5	70	0.00
47		2-Chloronaphthalene	1.124	1.171	-4.2	70	0.00

Sample Results: **BF141882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 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	0.260	0.365	-40.4#	83	0.00
49		Acenaphthylene	1.685	1.745	-3.6	69	0.00
50		Dimethylphthalate	1.339	1.407	-5.1	70	0.00
51		2,6-Dinitrotoluene	0.226	0.311	-37.6#	82	0.00
52	C	Acenaphthene	1.137	1.254	-10.3	74	0.00
53		3-Nitroaniline	0.241	0.329	-36.5#	81	0.00
54	P	2,4-Dinitrophenol	0.089	0.177	-98.9#	130	0.00
55		Dibenzofuran	1.654	1.704	-3.0	70	0.00
56	P	4-Nitrophenol	0.198	0.275	-38.9#	82	0.00
57		2,4-Dinitrotoluene	0.269	0.415	-54.3#	90	0.00
58		Fluorene	1.239	1.331	-7.4	74	0.00
59		2,3,4,6-Tetrachlorophenol	0.321	0.383	-19.3	77	0.00
60		Diethylphthalate	1.343	1.408	-4.8	69	-0.01
61		4-Chlorophenyl-phenylether	0.621	0.678	-9.2	74	0.00
62		4-Nitroaniline	0.229	0.328	-43.2#	83	0.00
63		Azobenzene	1.414	1.333	5.7	63	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	70	0.00
65		4,6-Dinitro-2-methylphenol	0.081	0.140	-72.8#	114	0.00
66	c	n-Nitrosodiphenylamine	0.657	0.661	-0.6	70	0.00
67		4-Bromophenyl-phenylether	0.234	0.251	-7.3	74	0.00
68		Hexachlorobenzene	0.247	0.280	-13.4	78	0.00
69		Atrazine	0.181	0.156	13.8	61	0.00
70	C	Pentachlorophenol	0.156	0.195	-25.0#	82	0.00
71		Phenanthrene	1.070	1.122	-4.9	73	0.00
72		Anthracene	1.072	1.121	-4.6	74	0.00
73		Carbazole	0.947	1.010	-6.7	74	0.00
74		Di-n-butylphthalate	1.200	1.226	-2.2	71	-0.01
75	C	Fluoranthene	1.096	1.201	-9.6	77	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	78	0.00
77		Benzidine	0.252	0.342	-35.7#	103	0.00
78		Pyrene	1.732	1.786	-3.1	77	0.00
79	S	Terphenyl-d14	1.236	1.349	-9.1	83	0.00
80		Butylbenzylphthalate	0.629	0.689	-9.5	80	-0.01
81		Benzo(a)anthracene	1.321	1.341	-1.5	80	0.00
82		3,3'-Dichlorobenzidine	0.379	0.397	-4.7	79	-0.01
83		Chrysene	1.218	1.243	-2.1	77	0.00
84		Bis(2-ethylhexyl)phthalate	0.783	0.884	-12.9	83	-0.01
85	c	Di-n-octyl phthalate	1.173	1.194	-1.8	71	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	69	0.00
87		Indeno(1,2,3-cd)pyrene	1.274	1.374	-7.8	70	-0.01
88		Benzo(b)fluoranthene	1.362	1.434	-5.3	76	-0.01
89		Benzo(k)fluoranthene	1.158	1.158	0.0	66	-0.01
90	C	Benzo(a)pyrene	1.093	1.123	-2.7	69	-0.01
91		Dibenzo(a,h)anthracene	1.040	1.121	-7.8	70	-0.01
92		Benzo(g,h,i)perylene	1.065	1.152	-8.2	70	-0.01

Sample Results: **BF141882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 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 = 2

Sample Results: **BF141882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 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	71	0.00
2		1,4-Dioxane	40.000	38.402	4.0	65	0.00
3		Pyridine	40.000	38.149	4.6	65	0.00
4		n-Nitrosodimethylamine	40.000	38.344	4.1	64	0.00
5	S	2-Fluorophenol	80.000	80.217	-0.3	70	0.00
6		Aniline	40.000	36.857	7.9	62	0.00
7	S	Phenol-d6	80.000	77.483	3.1	67	0.00
8		2-Chlorophenol	40.000	39.810	0.5	68	0.00
9		Benzaldehyde	40.000	32.976	17.6	57	0.00
10	C	Phenol	40.000	38.350	4.1	65	0.00
11		bis(2-Chloroethyl)ether	40.000	36.600	8.5	65	0.00
12		1,3-Dichlorobenzene	40.000	40.364	-0.9	69	0.00
13	C	1,4-Dichlorobenzene	40.000	40.677	-1.7	70	0.00
14		1,2-Dichlorobenzene	40.000	40.575	-1.4	70	0.00
15		Benzyl Alcohol	40.000	39.112	2.2	66	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	28.578	28.6#	49	0.00
17		2-Methylphenol	40.000	38.580	3.6	66	0.00
18		Hexachloroethane	40.000	40.401	-1.0	68	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	35.361	11.6	62	0.00
20		3+4-Methylphenols	40.000	39.298	1.8	68	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	68	0.00
22		Acetophenone	40.000	40.296	-0.7	67	0.00
23	S	Nitrobenzene-d5	80.000	96.733	-20.9	75	0.00
24		Nitrobenzene	40.000	44.877	-12.2	70	0.00
25		Isophorone	40.000	37.378	6.6	62	0.00
26	C	2-Nitrophenol	40.000	50.577	-26.4#	90	0.00
27		2,4-Dimethylphenol	40.000	40.322	-0.8	66	0.00
28		bis(2-Chloroethoxy)methane	40.000	36.287	9.3	61	0.00
29	C	2,4-Dichlorophenol	40.000	42.576	-6.4	69	0.00
30		1,2,4-Trichlorobenzene	40.000	42.442	-6.1	70	0.00
31		Naphthalene	40.000	40.885	-2.2	68	0.00
32		Benzoic acid	40.000	47.436	-18.6	86	0.00
33		4-Chloroaniline	40.000	39.191	2.0	66	0.00
34	C	Hexachlorobutadiene	40.000	44.100	-10.3	73	0.00
35		Caprolactam	40.000	42.679	-6.7	69	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.828	-7.1	71	0.00
37		2-Methylnaphthalene	40.000	40.403	-1.0	68	0.00
38		1-Methylnaphthalene	40.000	40.781	-2.0	69	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	68	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	43.129	-7.8	72	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.507	-8.8	69	0.00
42	S	2,4,6-Tribromophenol	80.000	110.979	-38.7#	89	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.751	-9.4	70	0.00
44		2,4,5-Trichlorophenol	40.000	47.207	-18.0	77	0.00
45	S	2-Fluorobiphenyl	80.000	85.212	-6.5	73	0.00
46		1,1'-Biphenyl	40.000	40.983	-2.5	70	0.00
47		2-Chloronaphthalene	40.000	41.702	-4.3	70	0.00

Sample Results: **BF141882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 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	47.578	-18.9	83	0.00
49		Acenaphthylene	40.000	41.425	-3.6	69	0.00
50		Dimethylphthalate	40.000	42.024	-5.1	70	0.00
51		2,6-Dinitrotoluene	40.000	48.466	-21.2	82	0.00
52	C	Acenaphthene	40.000	44.141	-10.4	74	0.00
53		3-Nitroaniline	40.000	48.270	-20.7	81	0.00
54	P	2,4-Dinitrophenol	40.000	64.789	-62.0#	130	0.00
55		Dibenzofuran	40.000	41.199	-3.0	70	0.00
56	P	4-Nitrophenol	40.000	55.625	-39.1#	82	0.00
57		2,4-Dinitrotoluene	40.000	52.617	-31.5#	90	0.00
58		Fluorene	40.000	42.973	-7.4	74	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	47.692	-19.2	77	0.00
60		Diethylphthalate	40.000	41.951	-4.9	69	-0.01
61		4-Chlorophenyl-phenylether	40.000	43.684	-9.2	74	0.00
62		4-Nitroaniline	40.000	57.344	-43.4#	83	0.00
63		Azobenzene	40.000	37.727	5.7	63	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	70	0.00
65		4,6-Dinitro-2-methylphenol	40.000	57.660	-44.1#	114	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.261	-0.7	70	0.00
67		4-Bromophenyl-phenylether	40.000	42.900	-7.2	74	0.00
68		Hexachlorobenzene	40.000	45.366	-13.4	78	0.00
69		Atrazine	40.000	34.487	13.8	61	0.00
70	C	Pentachlorophenol	40.000	49.971	-24.9#	82	0.00
71		Phenanthrene	40.000	41.941	-4.9	73	0.00
72		Anthracene	40.000	41.818	-4.5	74	0.00
73		Carbazole	40.000	42.664	-6.7	74	0.00
74		Di-n-butylphthalate	40.000	40.848	-2.1	71	-0.01
75	C	Fluoranthene	40.000	43.809	-9.5	77	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	78	0.00
77		Benzidine	40.000	54.265	-35.7#	103	0.00
78		Pyrene	40.000	41.240	-3.1	77	0.00
79	S	Terphenyl-d14	80.000	87.300	-9.1	83	0.00
80		Butylbenzylphthalate	40.000	43.806	-9.5	80	-0.01
81		Benzo(a)anthracene	40.000	40.602	-1.5	80	0.00
82		3,3'-Dichlorobenzidine	40.000	41.897	-4.7	79	-0.01
83		Chrysene	40.000	40.821	-2.1	77	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.141	-12.9	83	-0.01
85	c	Di-n-octyl phthalate	40.000	40.729	-1.8	71	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	69	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	43.142	-7.9	70	-0.01
88		Benzo(b)fluoranthene	40.000	42.113	-5.3	76	-0.01
89		Benzo(k)fluoranthene	40.000	39.990	0.0	66	-0.01
90	C	Benzo(a)pyrene	40.000	41.098	-2.7	69	-0.01
91		Dibenzo(a,h)anthracene	40.000	43.122	-7.8	70	-0.01
92		Benzo(g,h,i)perylene	40.000	43.283	-8.2	70	-0.01

Sample Results: **BF141882.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141882.D
Acq On : 07 Mar 2025 08:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 09:59:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 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 = 2

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1488 SAS No.: Q1488 SDG No.: Q1488

Instrument ID: BNA_G Calibration Date/Time: 03/10/2025 09:23

Lab File ID: BG064073.D Init. Calib. Date(s): 03/05/2025 03/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:44

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.412	1.607		13.8	
2-Fluorophenol	1.281	1.298		1.3	
Phenol-d6	1.742	1.787		2.6	
1,4-Dichlorobenzene	1.548	1.559		0.7	20.0
2-Methylphenol	1.184	1.244		5.1	
3+4-Methylphenols	1.630	1.707		4.7	
Nitrobenzene-d5	0.362	0.395		9.1	
Hexachloroethane	0.542	0.570		5.2	
Nitrobenzene	0.374	0.392		4.8	
Hexachlorobutadiene	0.217	0.225		3.7	20.0
2,4,6-Trichlorophenol	0.337	0.387		14.8	20.0
2-Fluorobiphenyl	1.318	1.399		6.1	
2,4,5-Trichlorophenol	0.374	0.424		13.4	
2,4-Dinitrotoluene	0.357	0.406		13.7	
2,4,6-Tribromophenol	0.222	0.242		9.0	
Hexachlorobenzene	0.229	0.240		4.8	
Pentachlorophenol	0.142	0.148		4.2	20.0
Terphenyl-d14	0.989	0.972		-1.7	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064073.D
Acq On : 10 Mar 2025 9:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 10 10:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Anahy Claudio

03/11/2025
Supervised By :Jagrut Upadhyay

03/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.859	152	33051	20.000	ng		0.00
21) Naphthalene-d8	10.650	136	147761	20.000	ng	#	0.00
39) Acenaphthene-d10	14.486	164	101106	20.000	ng		0.00
64) Phenanthrene-d10	17.224	188	218504	20.000	ng		0.00
76) Chrysene-d12	21.460	240	231279	20.000	ng		0.00
86) Perylene-d12	24.475	264	238878	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.444	112	171587	81.064	ng		0.00
7) Phenol-d6	7.024	99	236298	82.061	ng		0.00
23) Nitrobenzene-d5	9.016	82	233580	87.358	ng		0.00
42) 2,4,6-Tribromophenol	15.973	330	98005	87.204	ng		0.00
45) 2-Fluorobiphenyl	13.111	172	565705	84.928	ng		0.00
79) Terphenyl-d14	19.851	244	898849	78.583	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.370	88	40108	41.810	ng		99
3) Pyridine	3.758	79	106245	45.540	ng		96
4) n-Nitrosodimethylamine	3.675	42	79573	47.738	ng		94
6) Aniline	7.189	93	116241	41.139	ng		95
8) 2-Chlorophenol	7.430	128	95243	41.895	ng		92
9) Benzaldehyde	7.001	77	59376	35.455	ng		95
10) Phenol	7.054	94	121333	41.155	ng		98
11) bis(2-Chloroethyl)ether	7.289	93	92355	39.957	ng		97
12) 1,3-Dichlorobenzene	7.753	146	100736	40.352	ng		95
13) 1,4-Dichlorobenzene	7.900	146	103065	40.278	ng		95
14) 1,2-Dichlorobenzene	8.217	146	100133	40.582	ng		96
15) Benzyl Alcohol	8.094	79	95401	42.874	ng		88
16) 2,2'-oxybis(1-Chloropr...	8.393	45	206635	39.759	ng		99
17) 2-Methylphenol	8.299	107	82222	42.021	ng		95
18) Hexachloroethane	8.940	117	37710	42.121	ng		99
19) n-Nitroso-di-n-propyla...	8.670	70	81558	40.358	ng		98
20) 3+4-Methylphenols	8.628	107	112843	41.891	ng		91
22) Acetophenone	8.681	105	164988	40.725	ng	#	96
24) Nitrobenzene	9.057	77	115698	41.870	ng		95
25) Isophorone	9.580	82	207624	38.795	ng	#	95
26) 2-Nitrophenol	9.762	139	40140	43.114	ng		95
27) 2,4-Dimethylphenol	9.827	122	68243	42.535	ng		94
28) bis(2-Chloroethoxy)met...	10.062	93	127113	39.176	ng		98
29) 2,4-Dichlorophenol	10.297	162	88411	43.641	ng		97
30) 1,2,4-Trichlorobenzene	10.514	180	98998	40.480	ng		93
31) Naphthalene	10.702	128	329350	41.336	ng		100
32) Benzoic acid	9.962	122	54683m	39.087	ng		
33) 4-Chloroaniline	10.802	127	121083	41.579	ng		98
34) Hexachlorobutadiene	10.996	225	66450	41.454	ng		97
35) Caprolactam	11.566	113	30067	38.729	ng		90
36) 4-Chloro-3-methylphenol	11.925	107	115109	43.347	ng		97
37) 2-Methylnaphthalene	12.312	142	239968	42.662	ng		97
38) 1-Methylnaphthalene	12.530	142	234630	42.577	ng		97
40) 1,2,4,5-Tetrachloroben...	12.677	216	121225	41.997	ng		98
41) Hexachlorocyclopentadiene	12.665	237	37804	46.533	ng		95
43) 2,4,6-Trichlorophenol	12.918	196	78246	45.994	ng		91

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064073.D
Acq On : 10 Mar 2025 9:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 10 10:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Anahy Claudio
03/11/2025
Supervised By :Jagrut Upadhyay
03/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.982	196	85782	45.380	ng		98
46) 1,1'-Biphenyl	13.323	154	326469	42.739	ng		99
47) 2-Chloronaphthalene	13.364	162	233170	41.853	ng		98
48) 2-Nitroaniline	13.558	65	75649	42.053	ng		92
49) Acenaphthylene	14.210	152	361829	41.061	ng		100
50) Dimethylphthalate	13.946	163	294665	39.481	ng		100
51) 2,6-Dinitrotoluene	14.057	165	58897	39.535	ng		96
52) Acenaphthene	14.551	154	239713m	40.535	ng		
53) 3-Nitroaniline	14.381	138	60125	41.682	ng		99
54) 2,4-Dinitrophenol	14.592	184	19576	35.836	ng		99
55) Dibenzofuran	14.886	168	387167	40.413	ng		98
56) 4-Nitrophenol	14.692	139	48293	39.920	ng		91
57) 2,4-Dinitrotoluene	14.845	165	82152	39.981	ng	#	94
58) Fluorene	15.532	166	297687	39.896	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.109	232	80517	43.692	ng	#	97
60) Diethylphthalate	15.315	149	324148	40.007	ng		99
61) 4-Chlorophenyl-phenyle...	15.532	204	145401	39.213	ng		92
62) 4-Nitroaniline	15.550	138	65107	41.807	ng		88
63) Azobenzene	15.826	77	340580	39.392	ng		97
65) 4,6-Dinitro-2-methylph...	15.608	198	36088	39.895	ng		92
66) n-Nitrosodiphenylamine	15.744	169	262404	42.426	ng		99
67) 4-Bromophenyl-phenylether	16.425	248	93581	41.817	ng		95
68) Hexachlorobenzene	16.537	284	104692	41.786	ng		94
69) Atrazine	16.690	200	62375	34.275	ng		95
70) Pentachlorophenol	16.878	266	64797	41.654	ng		95
71) Phenanthrene	17.271	178	479519	41.144	ng		98
72) Anthracene	17.359	178	484980	41.849	ng		98
73) Carbazole	17.624	167	445367	41.162	ng		98
74) Di-n-butylphthalate	18.200	149	545972	42.868	ng		100
75) Fluoranthene	19.281	202	571089	40.646	ng		97
77) Benzidine	19.463	184	203789	63.633	ng		99
78) Pyrene	19.639	202	588965	39.505	ng		100
80) Butylbenzylphthalate	20.544	149	230728	41.755	ng		98
81) Benzo(a)anthracene	21.443	228	593862	40.085	ng		96
82) 3,3'-Dichlorobenzidine	21.366	252	199778	41.667	ng		98
83) Chrysene	21.502	228	576260	38.999	ng		99
84) Bis(2-ethylhexyl)phtha...	21.378	149	364766	45.526	ng		99
85) Di-n-octyl phthalate	22.524	149	607728	43.975	ng		98
87) Indeno(1,2,3-cd)pyrene	27.865	276	672971	42.106	ng		97
88) Benzo(b)fluoranthene	23.523	252	605854	41.954	ng		98
89) Benzo(k)fluoranthene	23.587	252	598826	41.334	ng		97
90) Benzo(a)pyrene	24.334	252	530514	41.250	ng		97
91) Dibenzo(a,h)anthracene	27.935	278	557315	42.060	ng		96
92) Benzo(g,h,i)perylene	28.928	276	570328	41.923	ng		99

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

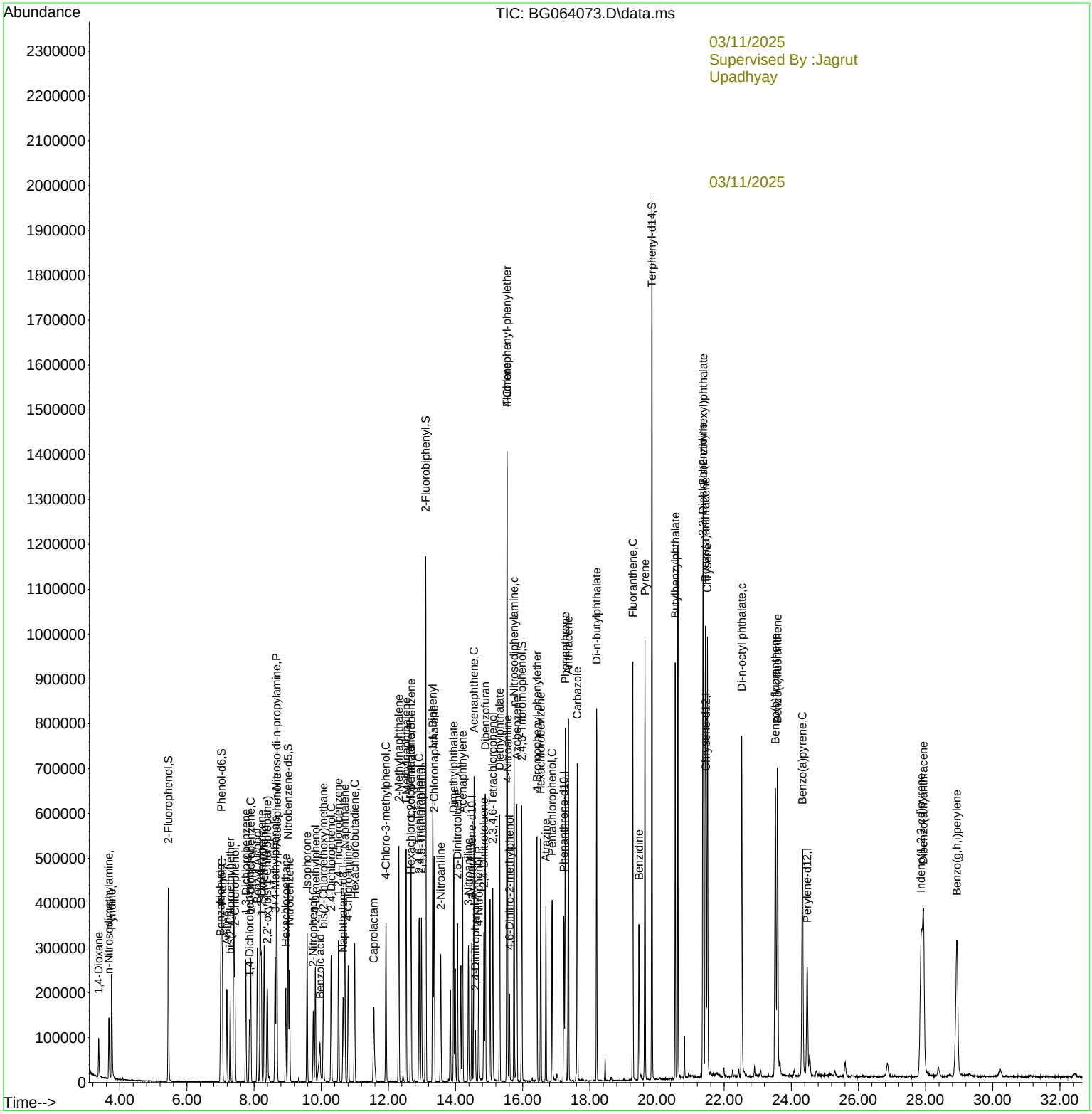
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Data File : BG064073.D
Acq On : 10 Mar 2025 9:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

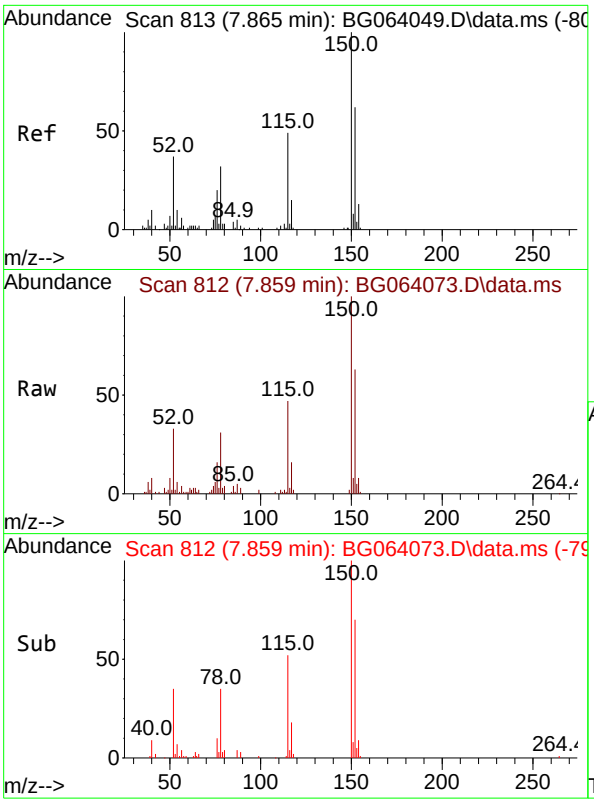
Quant Time: Mar 10 10:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Anahy Claudio

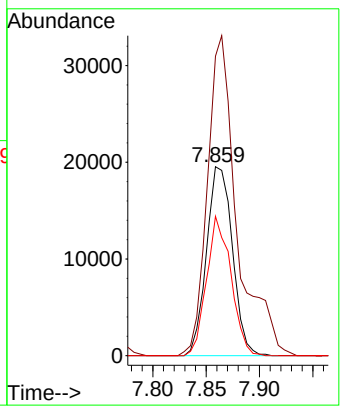




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.859 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:152 Resp: 3305

Ion	Ratio	Lower	Upper
152	100		
150	158.5	129.2	193.8
115	73.8	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

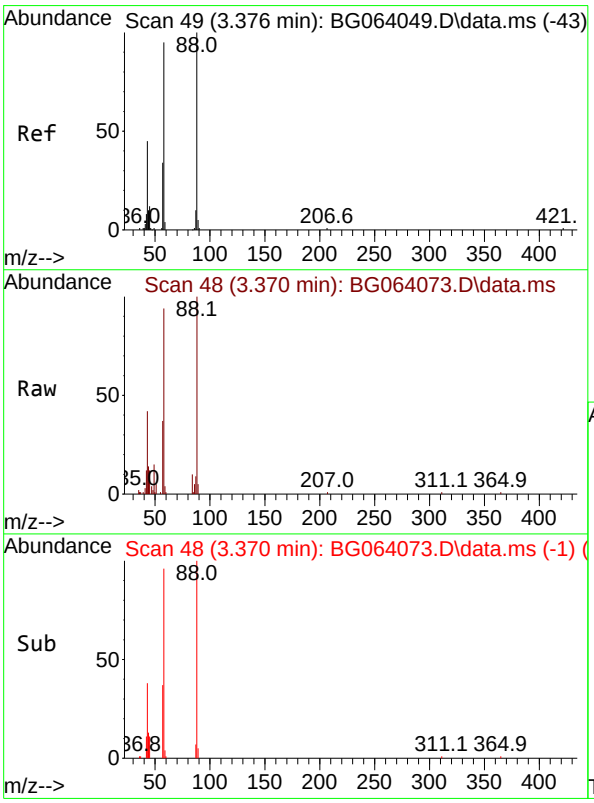
Manual Integrations APPROVED

Reviewed By :Anahy Claudio

03/11/2025

Supervised By :Jagrut Upadhyay

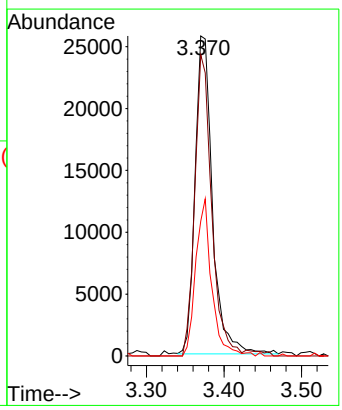
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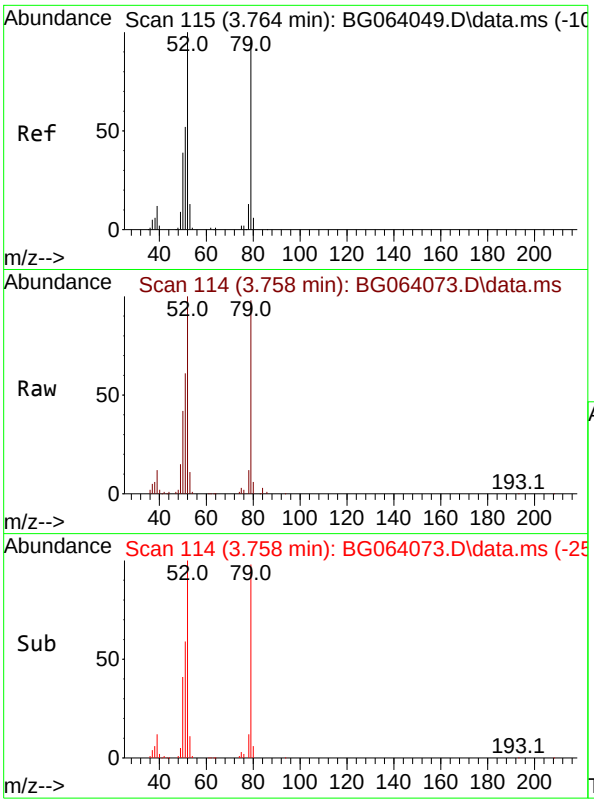


#2
1,4-Dioxane
Concen: 41.810 ng
RT: 3.370 min Scan# 48
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion: 88 Resp: 40108

Ion	Ratio	Lower	Upper
88	100		
58	93.4	74.6	111.8
43	45.3	35.5	53.3





#3
Pyridine
Concen: 45.540 ng
RT: 3.758 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

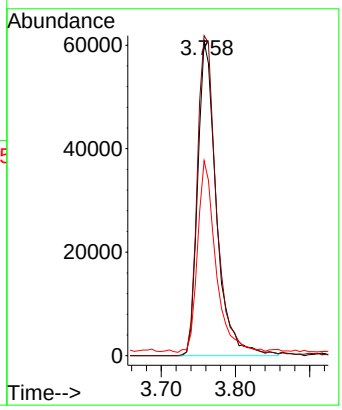
Tgt Ion: 79 Resp: 10624

Ion	Ratio	Lower	Upper
79	100		
52	101.9	83.0	124.6
51	62.1	44.3	66.5

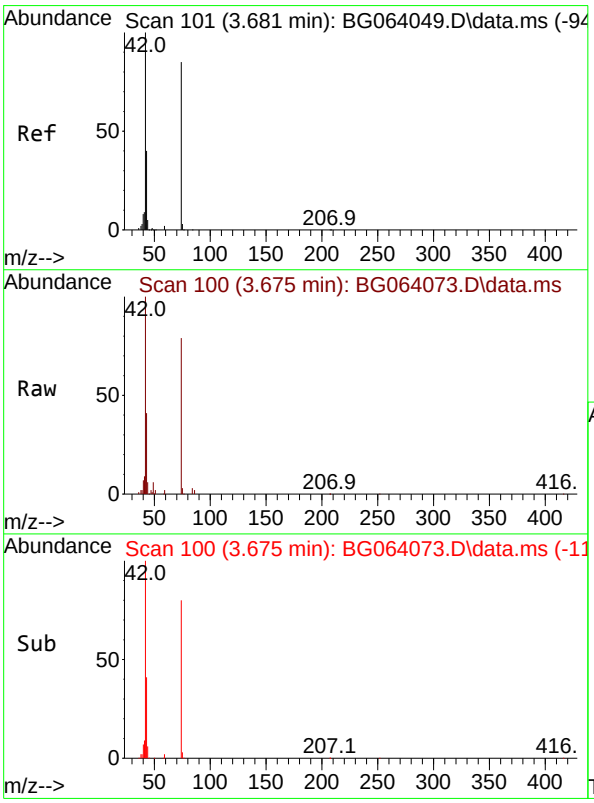
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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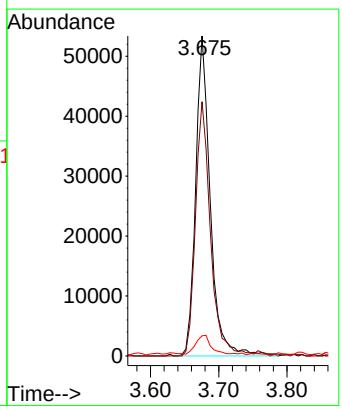
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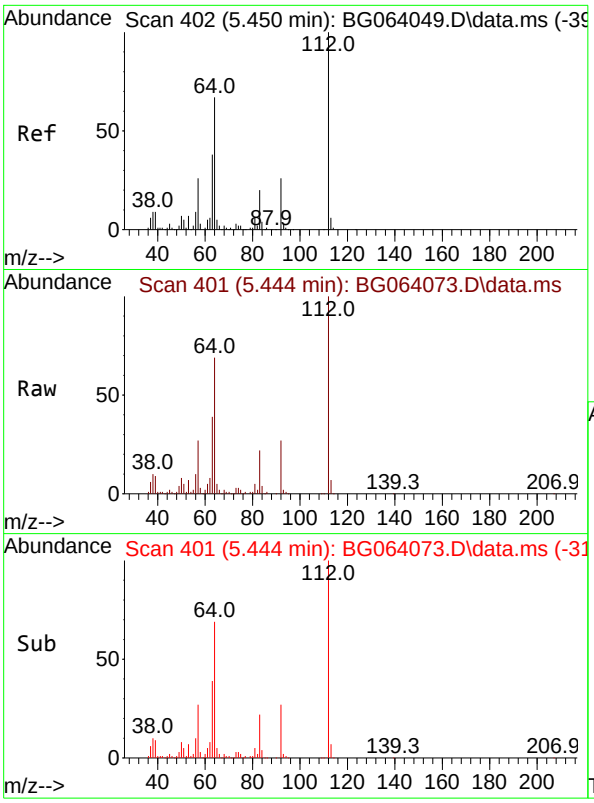
#4
n-Nitrosodimethylamine
Concen: 47.738 ng
RT: 3.675 min Scan# 100
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion: 42 Resp: 79573

Ion	Ratio	Lower	Upper
42	100		
74	79.4	68.0	102.0
44	6.3	4.9	7.3



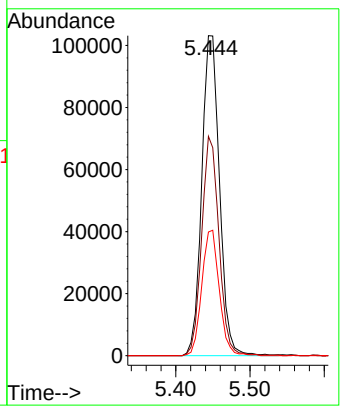
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#5
2-Fluorophenol
Concen: 81.064 ng
RT: 5.444 min Scan# 4(
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:112 Resp: 17158

Ion	Ratio	Lower	Upper
112	100		
64	68.6	53.7	80.5
63	38.7	30.2	45.4



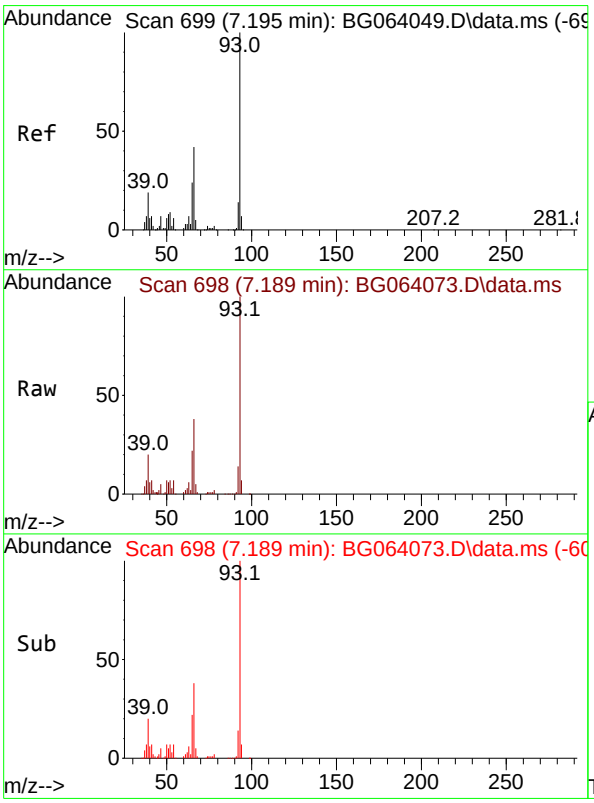
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Upadhyay

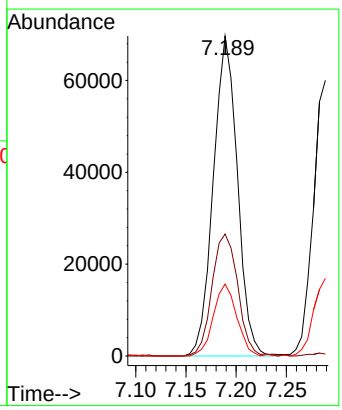
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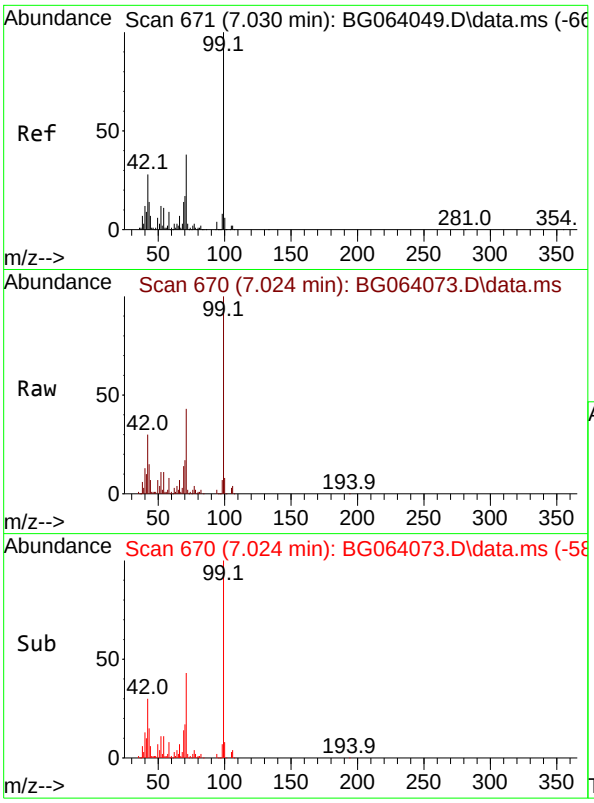


#6
Aniline
Concen: 41.139 ng
RT: 7.189 min Scan# 698
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion: 93 Resp: 116241

Ion	Ratio	Lower	Upper
93	100		
66	38.1	33.7	50.5
65	22.5	19.1	28.7

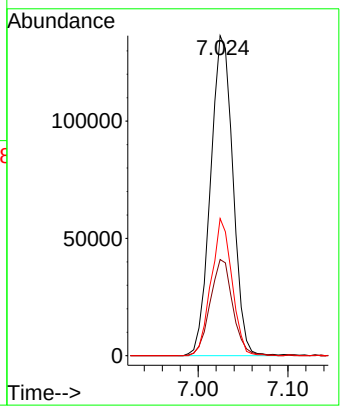




#7
Phenol-d6
Concen: 82.061 ng
RT: 7.024 min Scan# 6
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion: 99 Resp: 23629

Ion	Ratio	Lower	Upper
99	100		
42	30.1	22.7	34.1
71	42.8	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

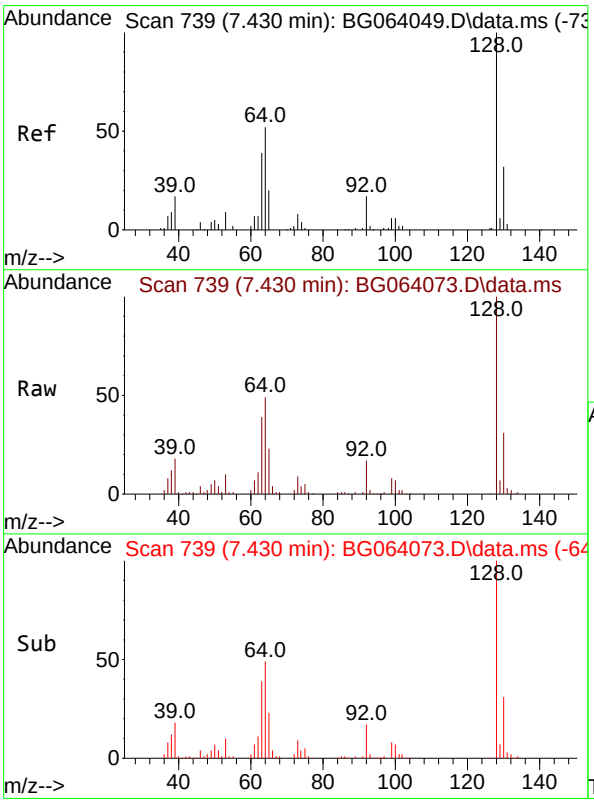
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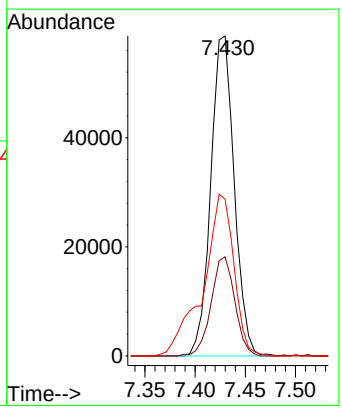
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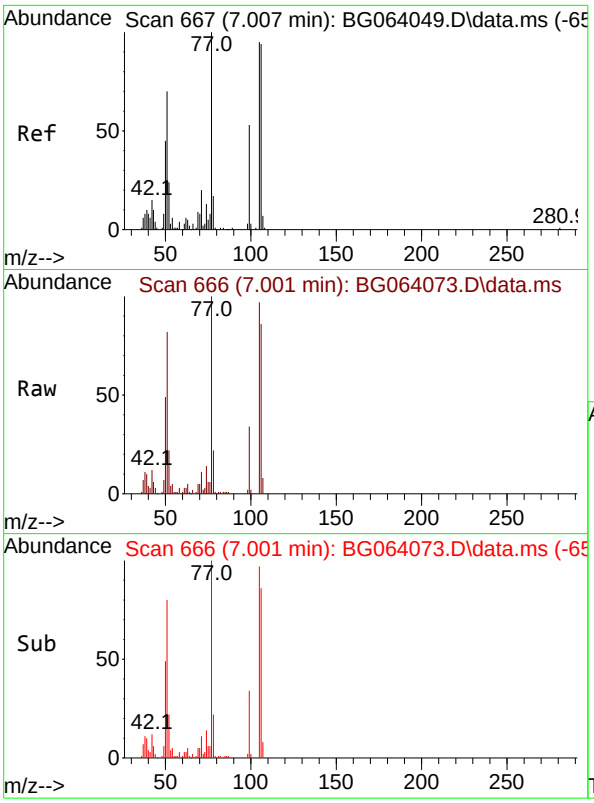


#8
2-Chlorophenol
Concen: 41.895 ng
RT: 7.430 min Scan# 739
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:128 Resp: 95243

Ion	Ratio	Lower	Upper
128	100		
130	31.0	12.3	52.3
64	49.0	37.0	77.0

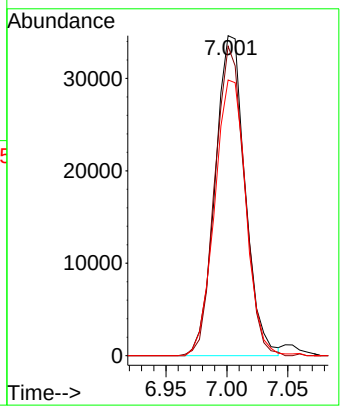




#9
Benzaldehyde
Concen: 35.455 ng
RT: 7.001 min Scan# 6
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion: 77 Resp: 5937

Ion	Ratio	Lower	Upper
77	100		
105	96.7	75.5	115.5
106	86.2	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

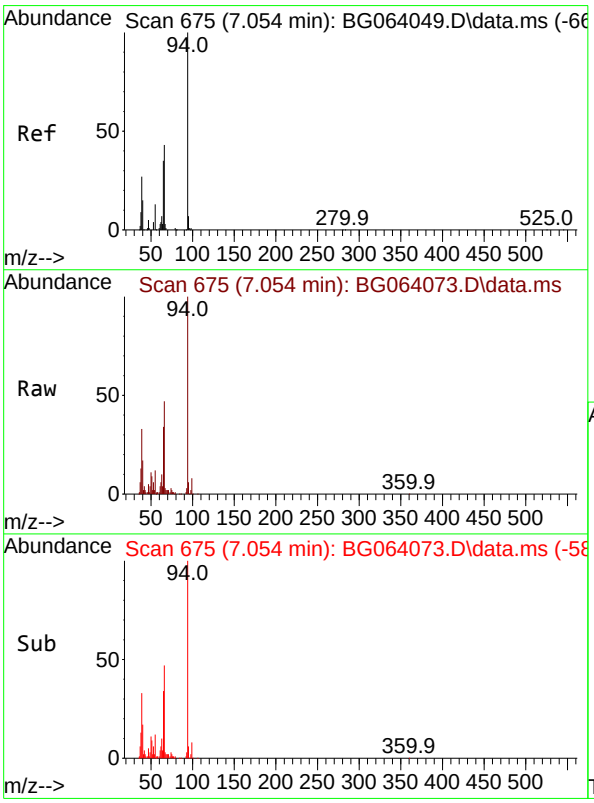
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Supervised By :Jagrut Upadhyay

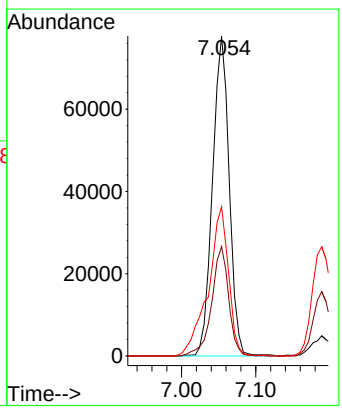
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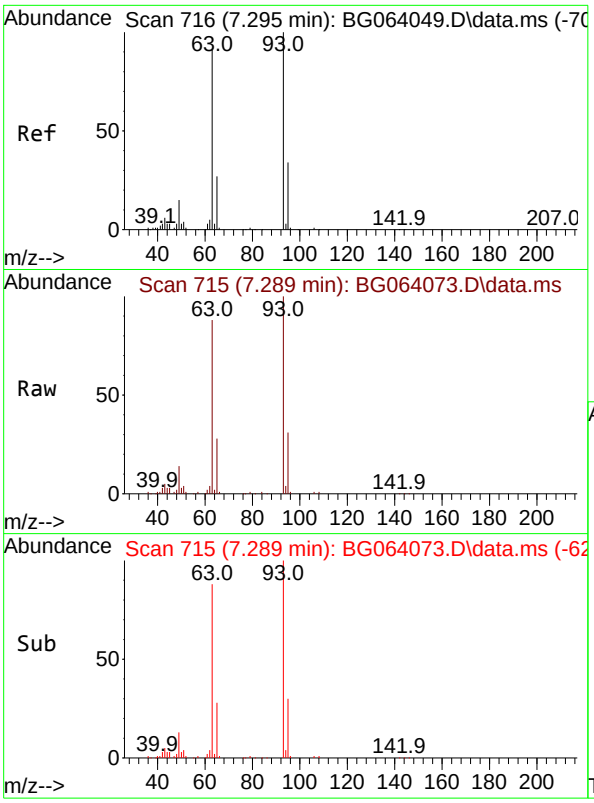


#10
Phenol
Concen: 41.155 ng
RT: 7.054 min Scan# 675
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion: 94 Resp: 121333

Ion	Ratio	Lower	Upper
94	100		
65	34.2	15.2	55.2
66	46.6	25.1	65.1

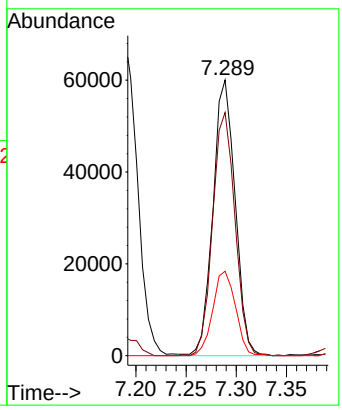




#11
bis(2-Chloroethyl)ether
Concen: 39.957 ng
RT: 7.289 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion: 93 Resp: 9235

Ion	Ratio	Lower	Upper
93	100		
63	88.2	70.0	110.0
95	30.6	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

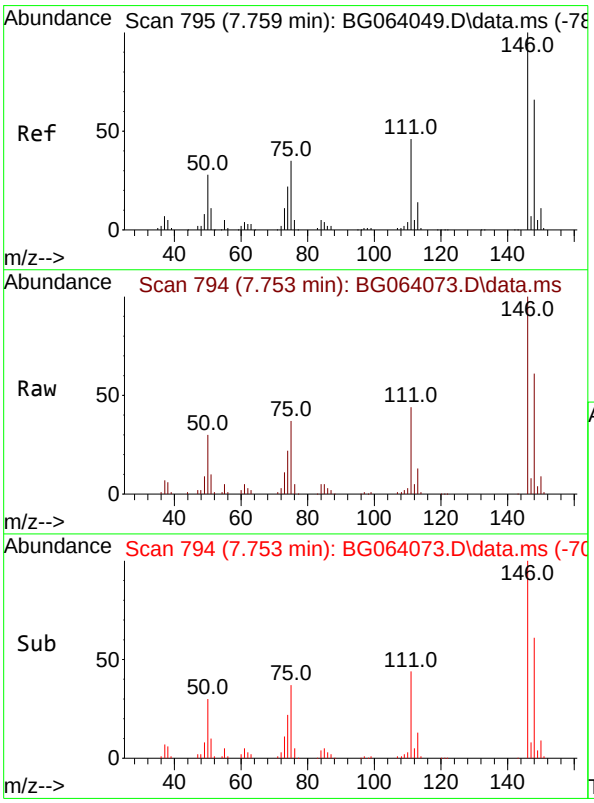
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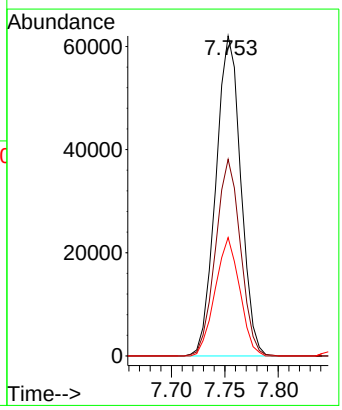
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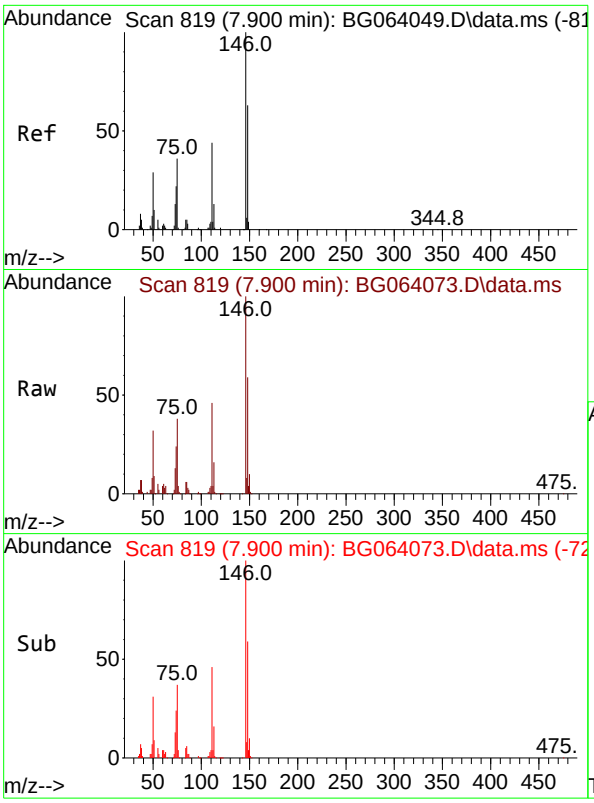


#12
1,3-Dichlorobenzene
Concen: 40.352 ng
RT: 7.753 min Scan# 794
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:146 Resp: 100736

Ion	Ratio	Lower	Upper
146	100		
148	61.4	52.6	78.8
75	37.0	28.1	42.1

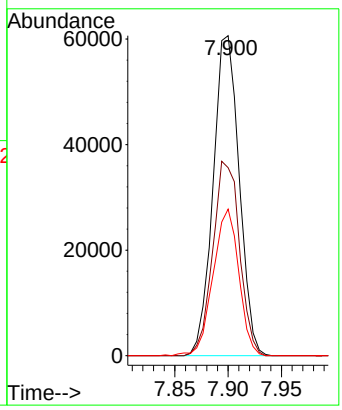




#13
1,4-Dichlorobenzene
Concen: 40.278 ng
RT: 7.900 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:146 Resp: 10306

Ion	Ratio	Lower	Upper
146	100		
148	58.7	50.6	75.8
111	45.8	35.1	52.7



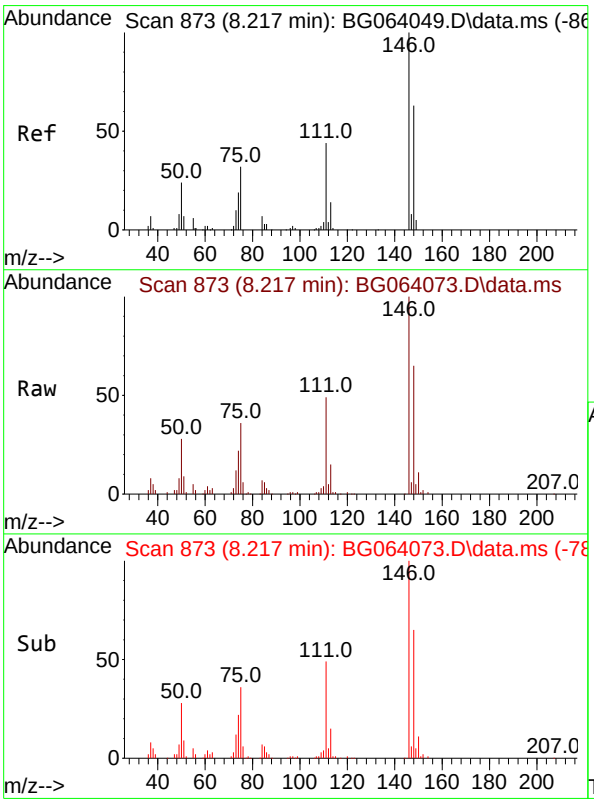
Instrument :
BNA_G
ClientSampleId :
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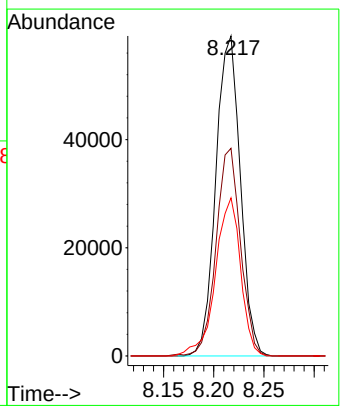
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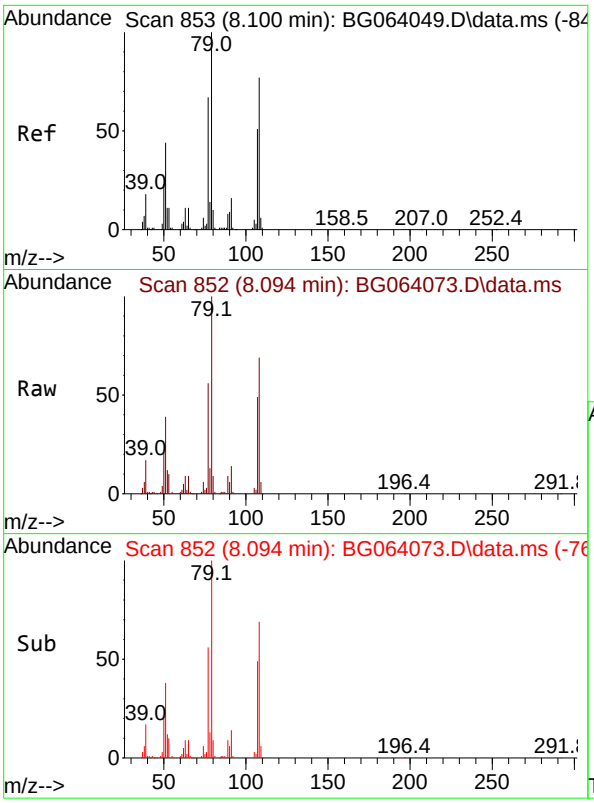


#14
1,2-Dichlorobenzene
Concen: 40.582 ng
RT: 8.217 min Scan# 873
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:146 Resp: 100133

Ion	Ratio	Lower	Upper
146	100		
148	64.9	50.2	75.2
111	49.4	36.4	54.6





#15
Benzyl Alcohol
Concen: 42.874 ng
RT: 8.094 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

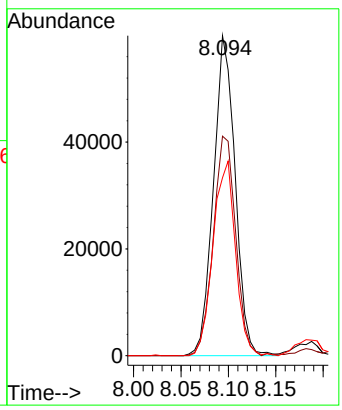
Tgt Ion: 79 Resp: 9540

Ion	Ratio	Lower	Upper
79	100		
108	68.6	61.7	92.5
77	55.6	53.9	80.9

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

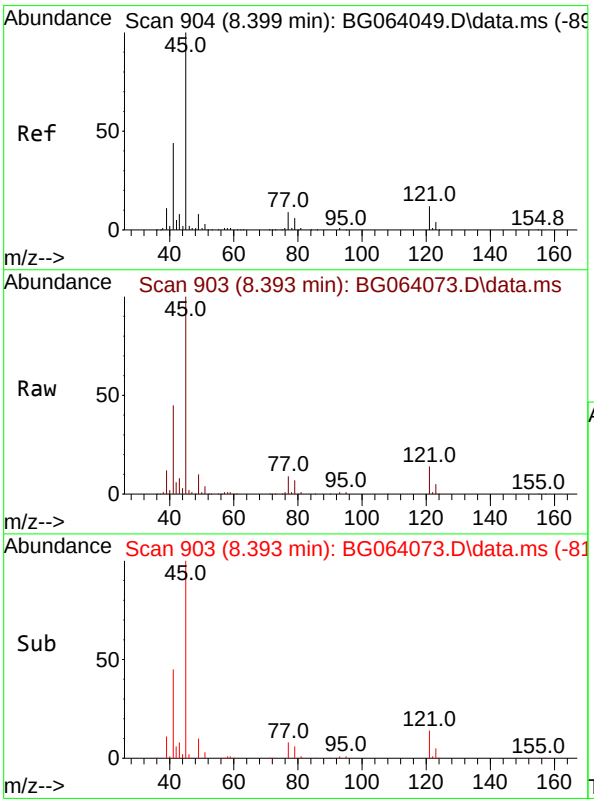
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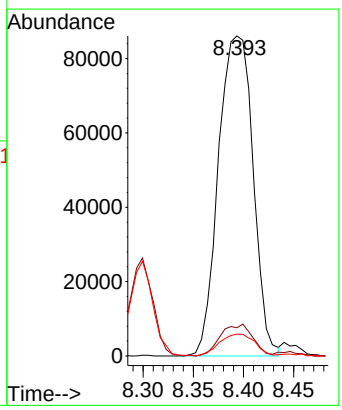
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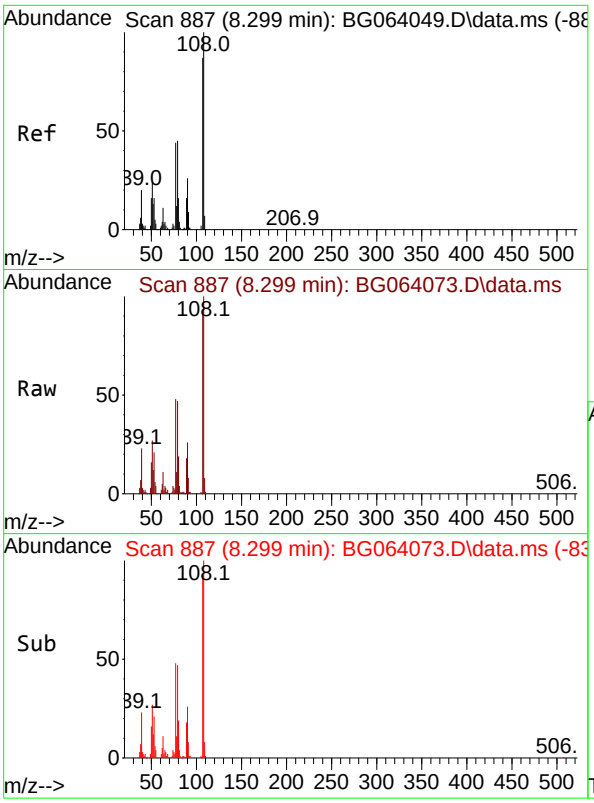


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.759 ng
RT: 8.393 min Scan# 903
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion: 45 Resp: 206635

Ion	Ratio	Lower	Upper
45	100		
77	8.8	0.0	29.0
79	6.8	0.0	26.6

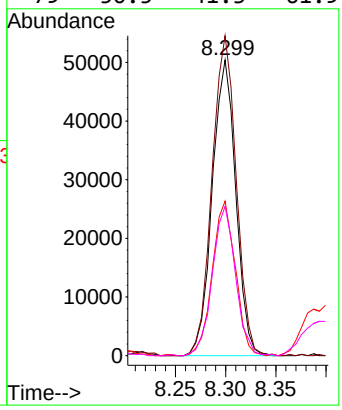




#17
2-Methylphenol
Concen: 42.021 ng
RT: 8.299 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:107 Resp: 8222

Ion	Ratio	Lower	Upper
107	100		
108	108.2	92.5	138.7
77	52.3	40.5	60.7
79	50.5	41.3	61.9



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

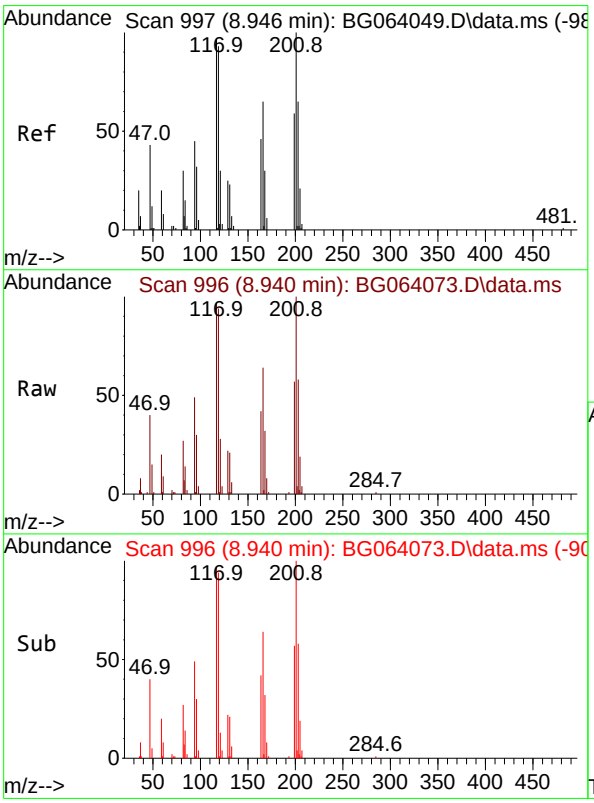
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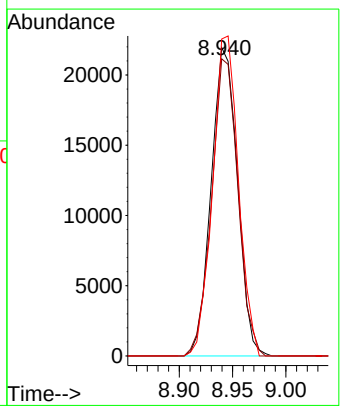
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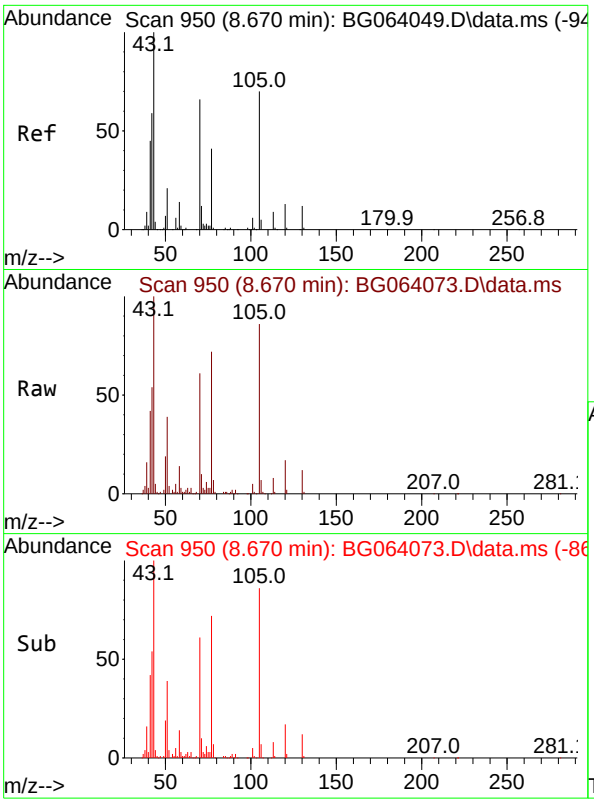


#18
Hexachloroethane
Concen: 42.121 ng
RT: 8.940 min Scan# 996
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:117 Resp: 37710

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.2	114.2
201	102.8	81.5	122.3

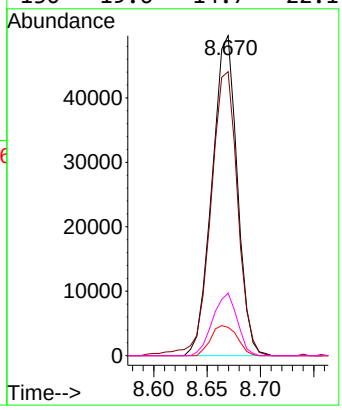




#19
n-Nitroso-di-n-propylamine
Concen: 40.358 ng
RT: 8.670 min Scan# 9
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion: 70 Resp: 8155

Ion	Ratio	Lower	Upper
70	100		
42	88.8	72.1	108.1
101	8.8	7.2	10.8
130	19.6	14.7	22.1



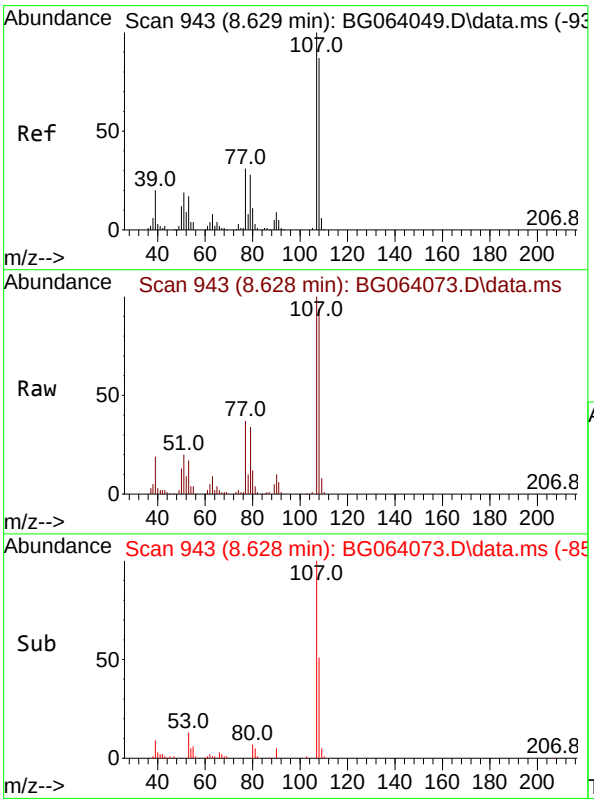
Instrument :
BNA_G
ClientSampleId :
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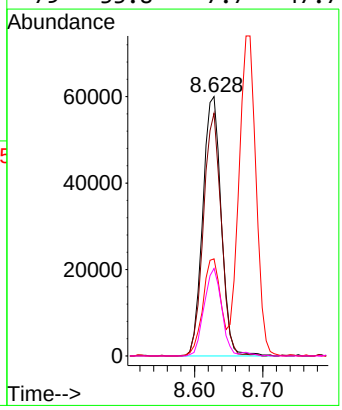
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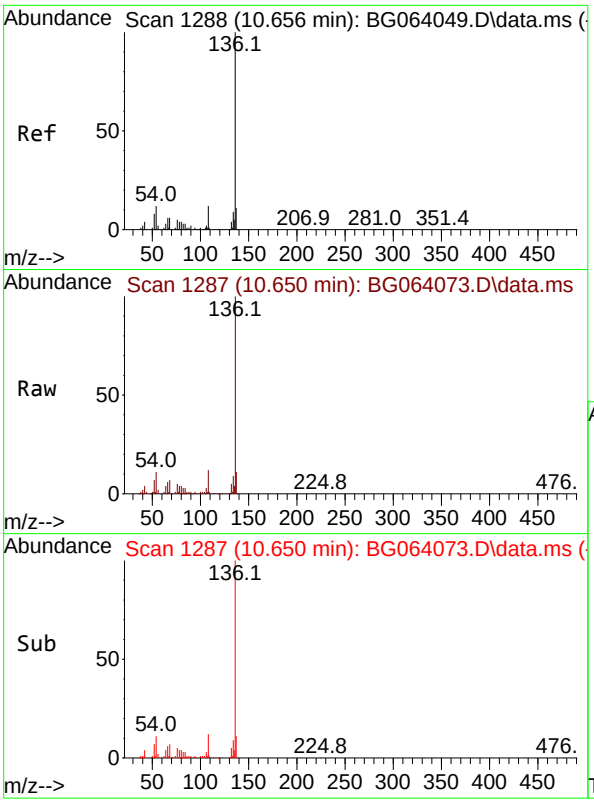


#20
3+4-Methylphenols
Concen: 41.891 ng
RT: 8.628 min Scan# 943
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:107 Resp: 112843

Ion	Ratio	Lower	Upper
107	100		
108	93.6	67.0	107.0
77	37.4	11.2	51.2
79	33.8	7.7	47.7

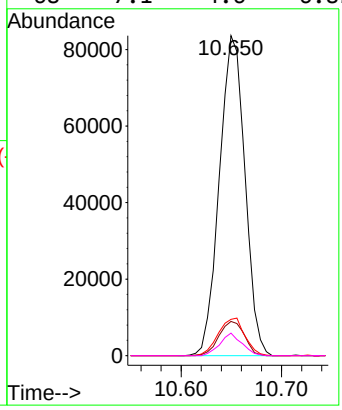




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.650 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:136 Resp: 14776

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	11.3	9.9	14.9
68	7.1	4.6	6.8#



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

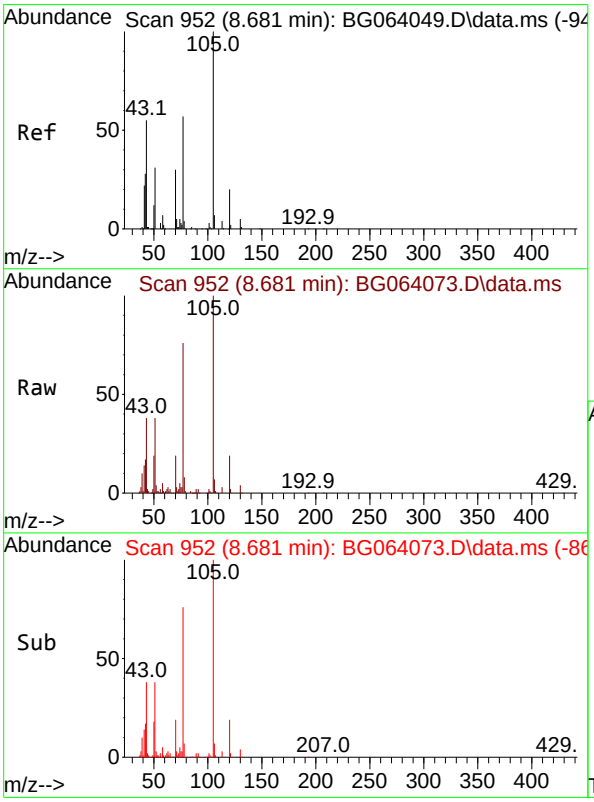
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Reviewed By :Anahy Claudio

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Supervised By :Jagrut Upadhyay

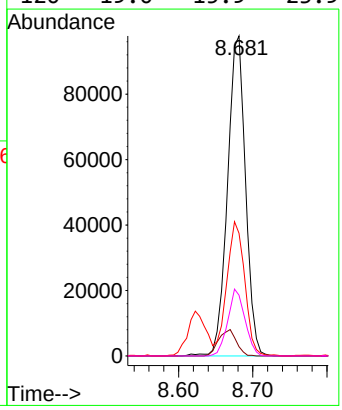
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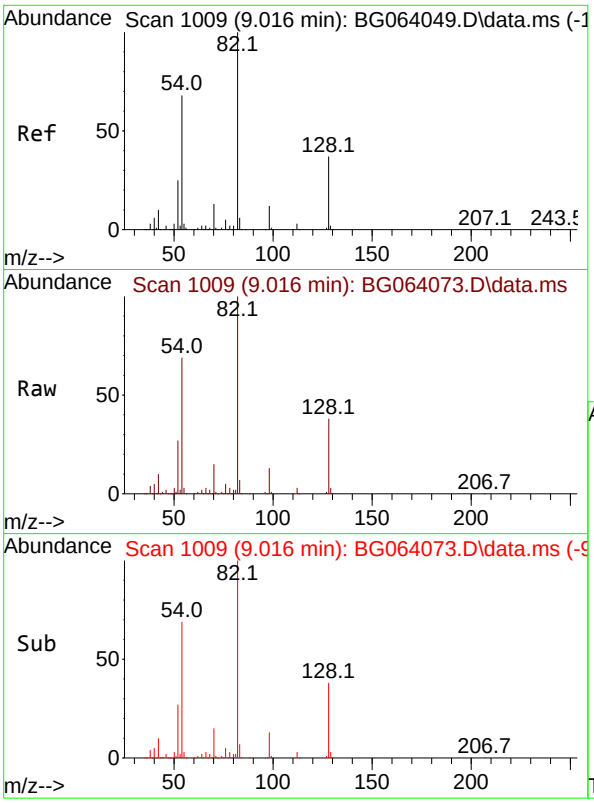


#22
Acetophenone
Concen: 40.725 ng
RT: 8.681 min Scan# 952
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:105 Resp: 164988

Ion	Ratio	Lower	Upper
105	100		
71	2.9	4.2	6.4#
51	38.3	33.3	49.9
120	19.0	15.9	23.9

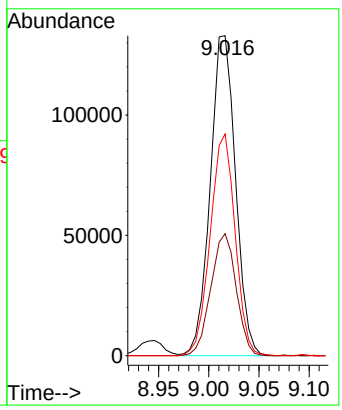




#23
Nitrobenzene-d5
Concen: 87.358 ng
RT: 9.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion: 82 Resp: 23358

Ion	Ratio	Lower	Upper
82	100		
128	38.2	30.0	45.0
54	69.3	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

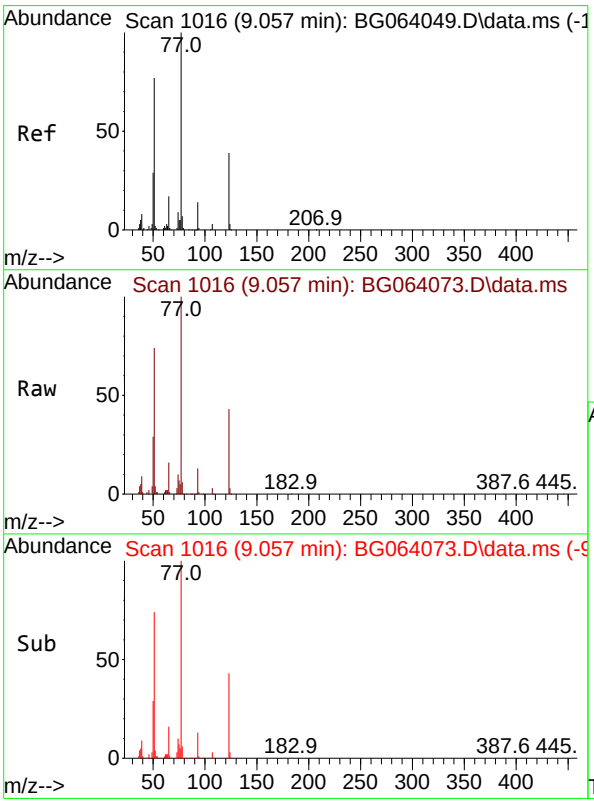
Manual Integrations APPROVED

Reviewed By :Anahy Claudio

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Supervised By :Jagrut Upadhyay

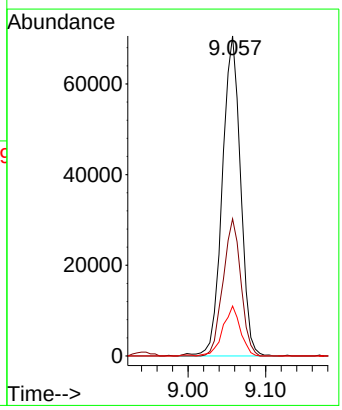
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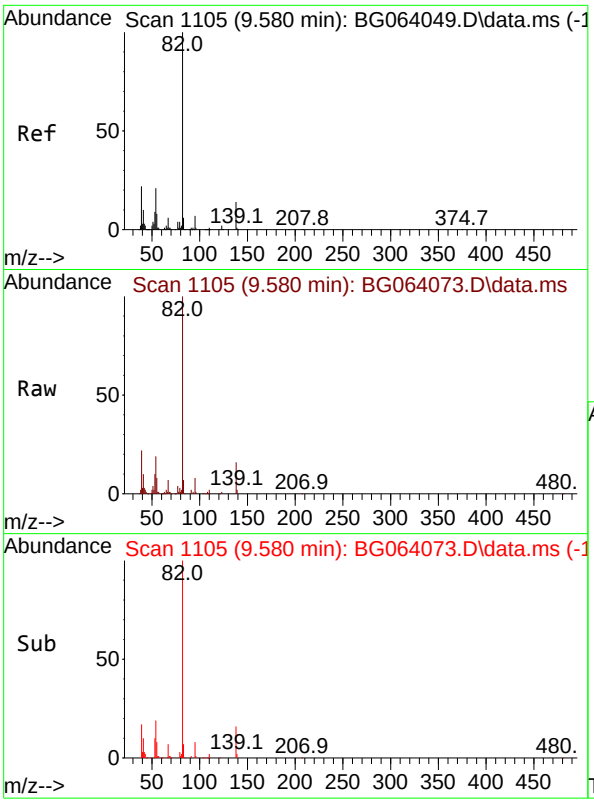


#24
Nitrobenzene
Concen: 41.870 ng
RT: 9.057 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion: 77 Resp: 115698

Ion	Ratio	Lower	Upper
77	100		
123	42.9	31.4	47.2
65	15.6	13.4	20.0





#25
Isophorone
Concen: 38.795 ng
RT: 9.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

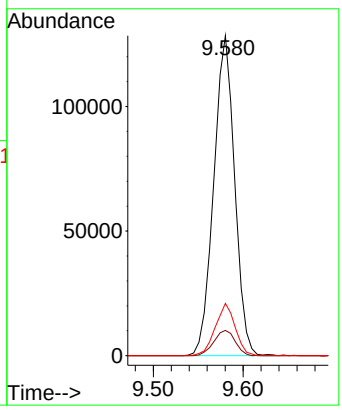
Tgt Ion: 82 Resp: 20762

Ion	Ratio	Lower	Upper
82	100		
95	7.9	5.8	8.8
138	16.4	10.9	16.3#

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

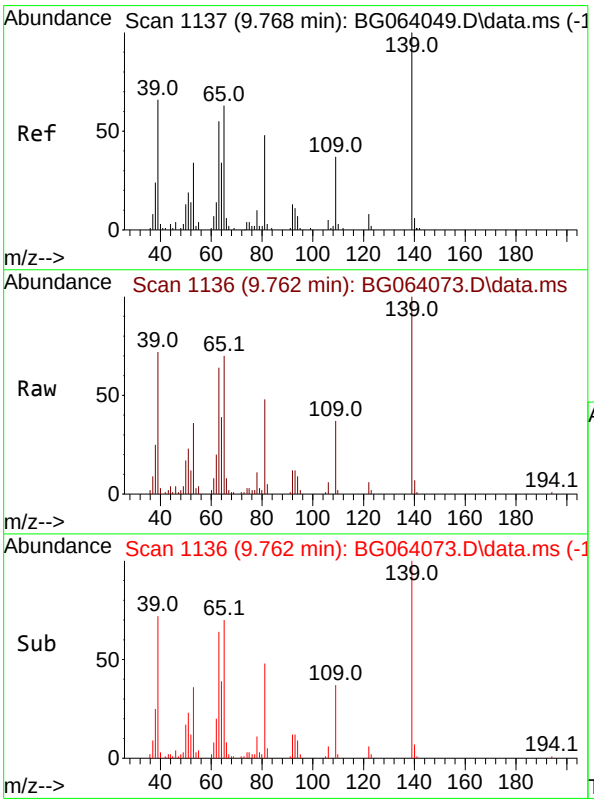
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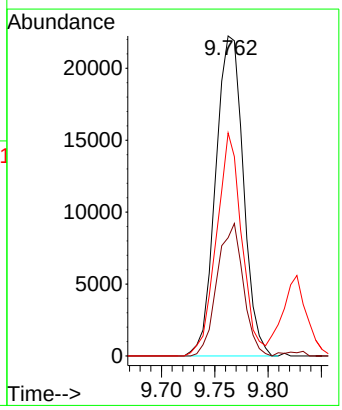
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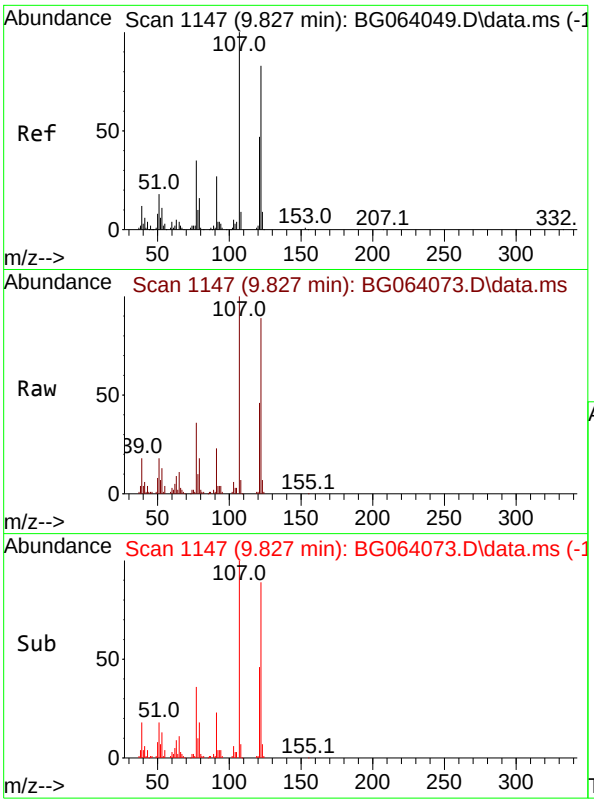


#26
2-Nitrophenol
Concen: 43.114 ng
RT: 9.762 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:139 Resp: 40140

Ion	Ratio	Lower	Upper
139	100		
109	37.0	29.9	44.9
65	69.7	50.6	76.0





#27
2,4-Dimethylphenol
Concen: 42.535 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

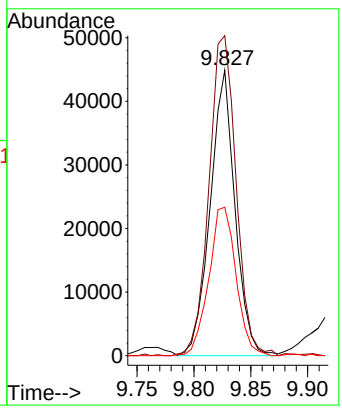
Tgt Ion:122 Resp: 6824

Ion	Ratio	Lower	Upper
122	100		
107	112.1	95.4	143.0
121	52.0	44.9	67.3

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

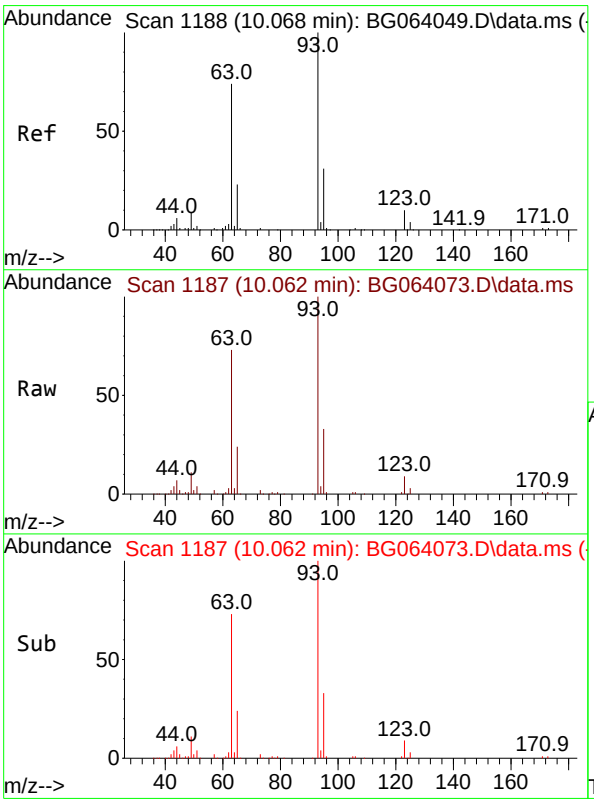
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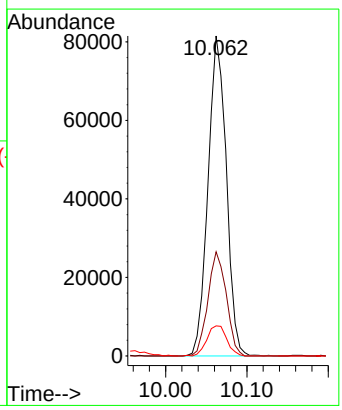
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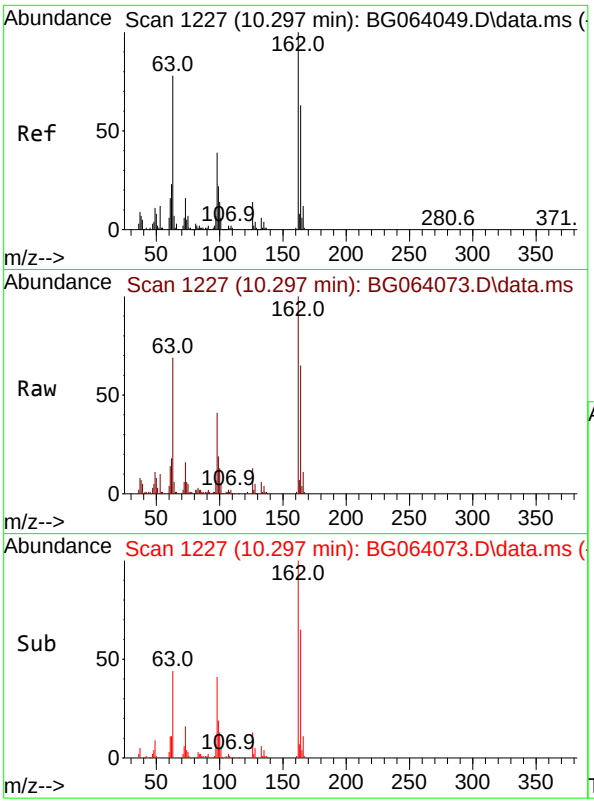


#28
bis(2-Chloroethoxy)methane
Concen: 39.176 ng
RT: 10.062 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion: 93 Resp: 127113

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.0	37.4
123	9.4	7.6	11.4

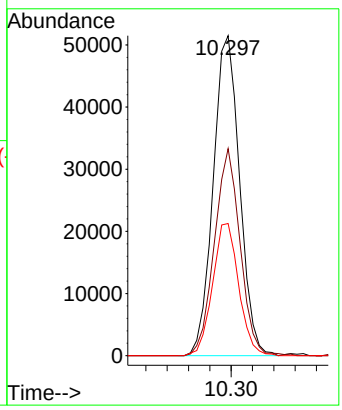




#29
2,4-Dichlorophenol
Concen: 43.641 ng
RT: 10.297 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:162 Resp: 8841

Ion	Ratio	Lower	Upper
162	100		
164	64.7	42.8	82.8
98	41.3	19.1	59.1



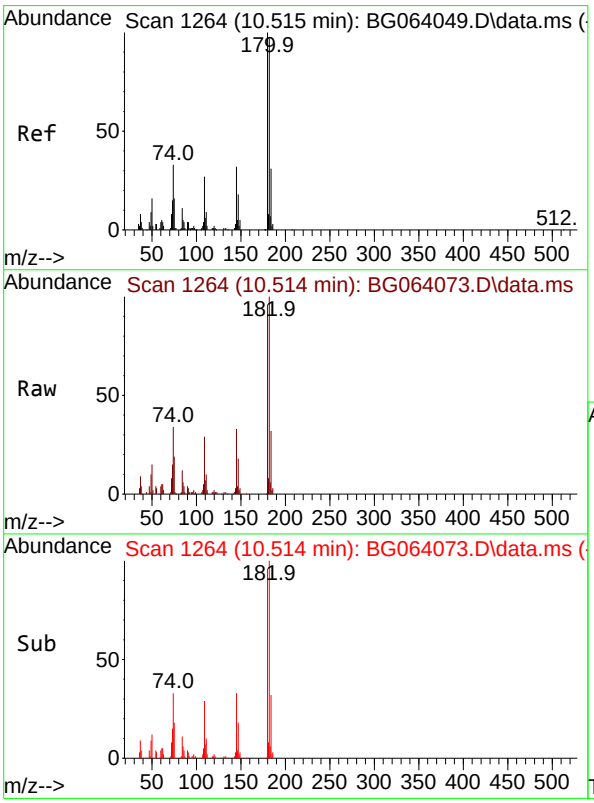
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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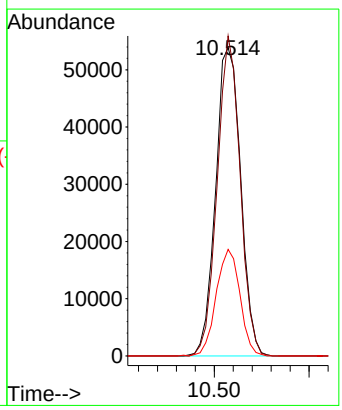
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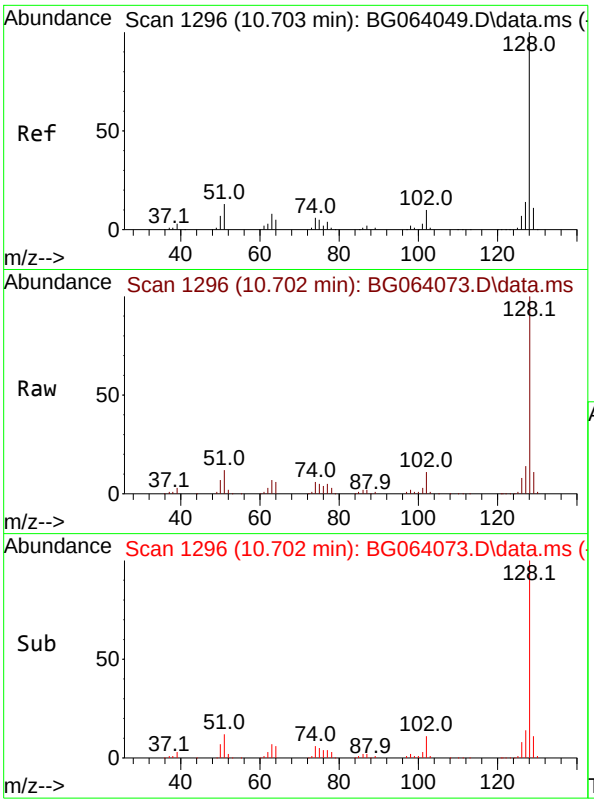


#30
1,2,4-Trichlorobenzene
Concen: 40.480 ng
RT: 10.514 min Scan# 1264
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:180 Resp: 98998

Ion	Ratio	Lower	Upper
180	100		
182	103.8	77.3	115.9
145	34.6	25.2	37.8

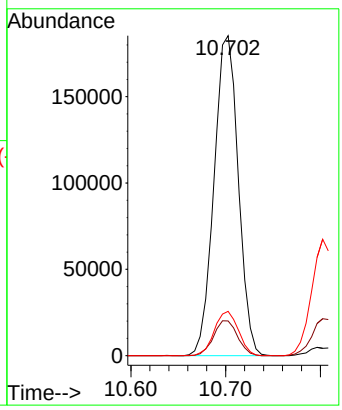




#31
Naphthalene
Concen: 41.336 ng
RT: 10.702 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:128 Resp: 32935

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.4	12.6
127	13.9	11.1	16.7



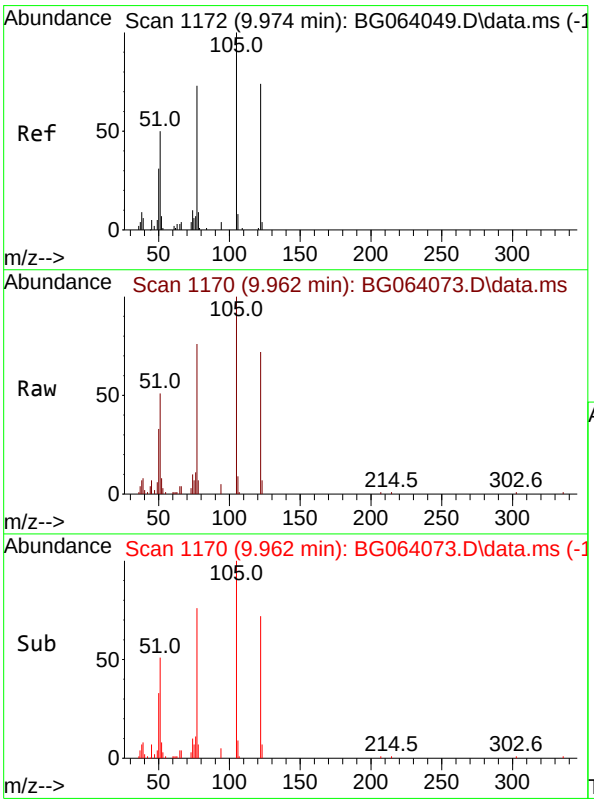
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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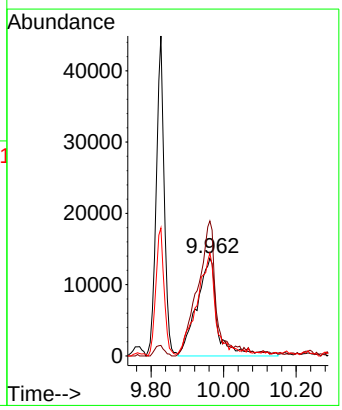
03/11/2025

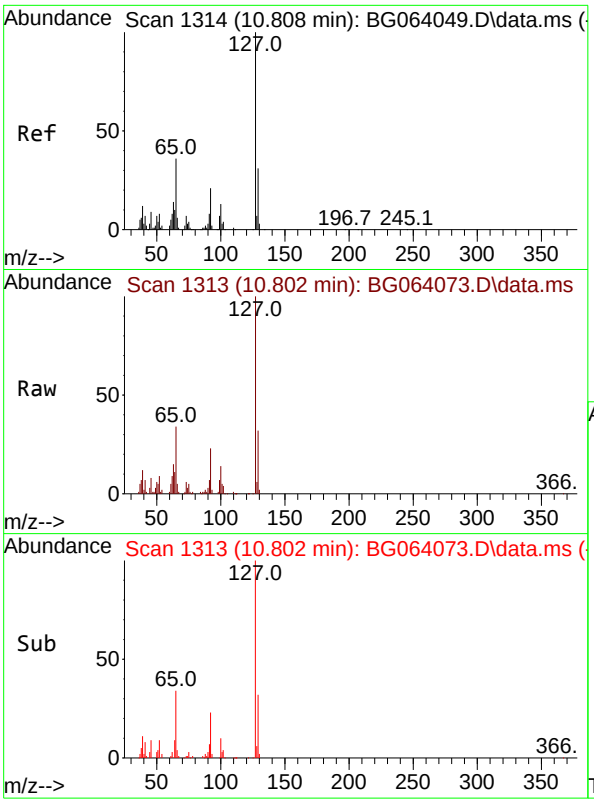


#32
Benzoic acid
Concen: 39.087 ng m
RT: 9.962 min Scan# 1170
Delta R.T. -0.012 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:122 Resp: 54683

Ion	Ratio	Lower	Upper
122	100		
105	138.3	115.0	155.0
77	105.3	80.9	120.9

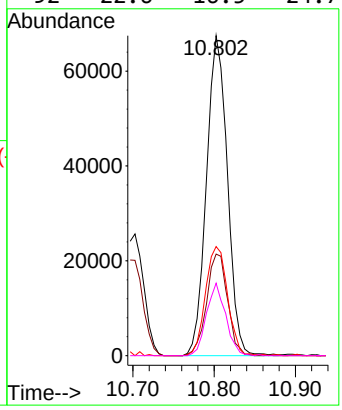




#33
4-Chloroaniline
Concen: 41.579 ng
RT: 10.802 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:127 Resp: 12108

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.0	37.4
65	34.1	28.5	42.7
92	22.6	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

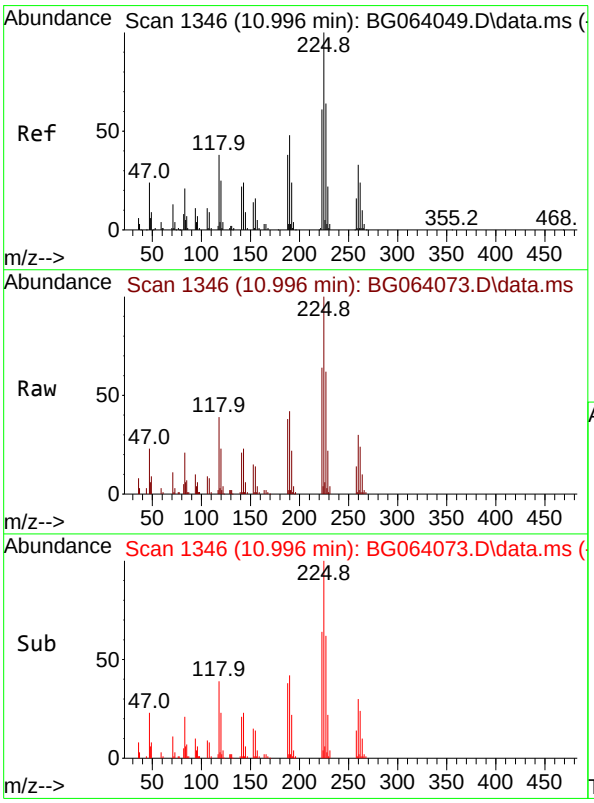
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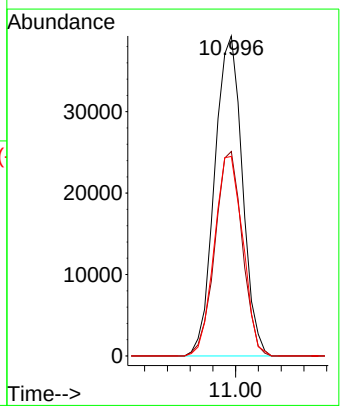
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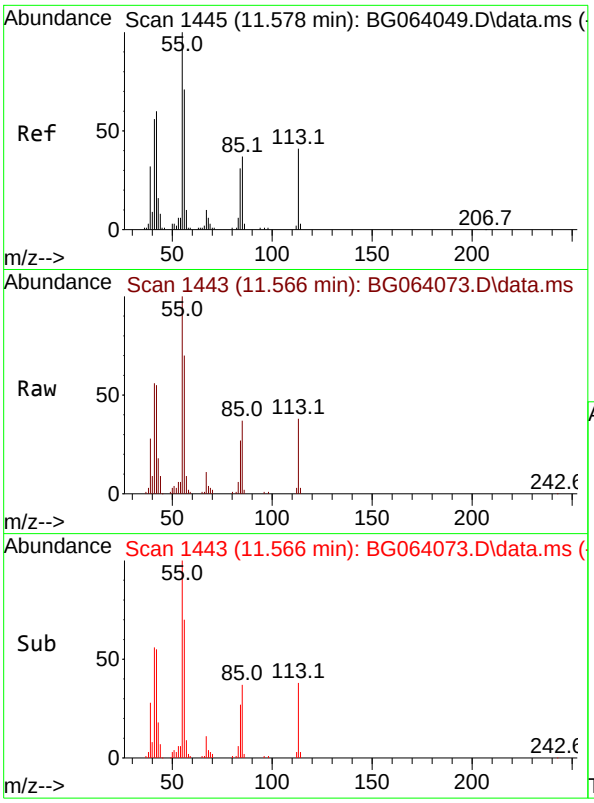


#34
Hexachlorobutadiene
Concen: 41.454 ng
RT: 10.996 min Scan# 1346
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:225 Resp: 66450

Ion	Ratio	Lower	Upper
225	100		
223	63.9	48.5	72.7
227	62.4	51.0	76.6





#35
Caprolactam
Concen: 38.729 ng
RT: 11.566 min Scan# 14
Delta R.T. -0.012 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

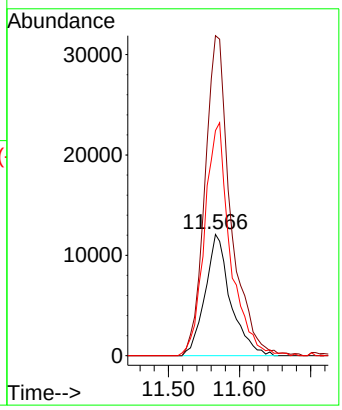
Tgt Ion:113 Resp: 3006

Ion	Ratio	Lower	Upper
113	100		
55	263.8	225.2	265.2
56	185.6	153.4	193.4

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

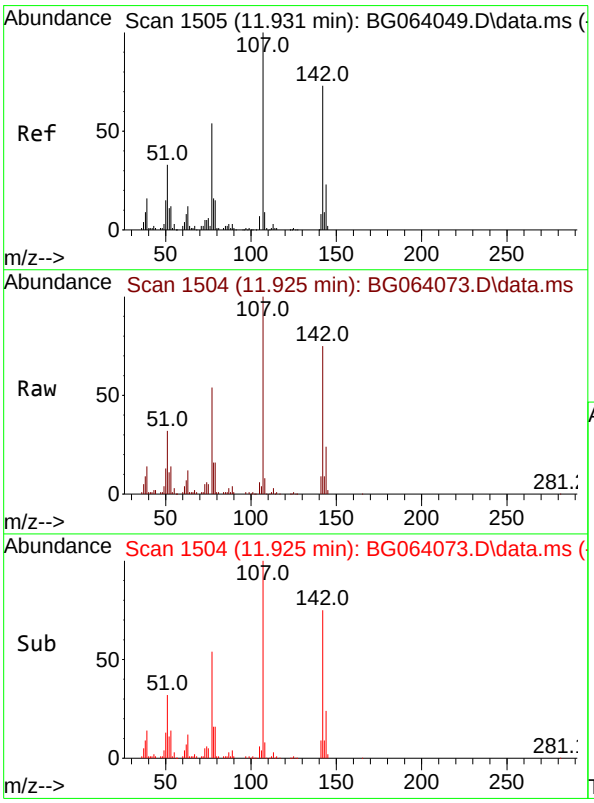
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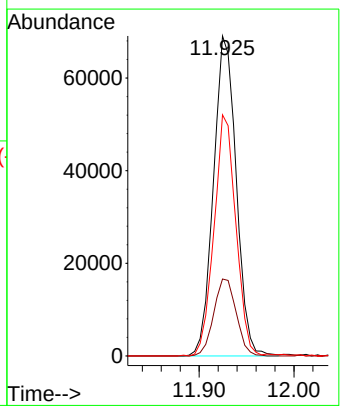
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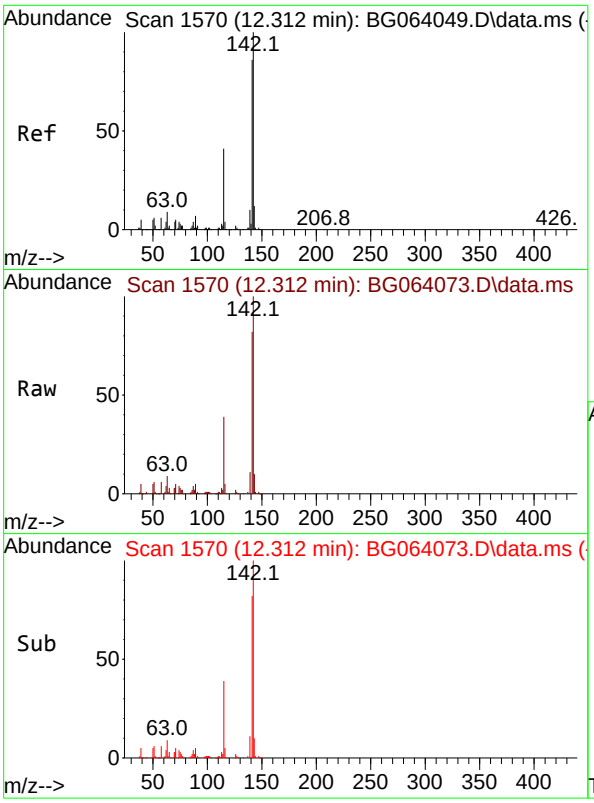


#36
4-Chloro-3-methylphenol
Concen: 43.347 ng
RT: 11.925 min Scan# 1504
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:107 Resp: 115109

Ion	Ratio	Lower	Upper
107	100		
144	24.0	18.6	28.0
142	75.3	58.0	87.0

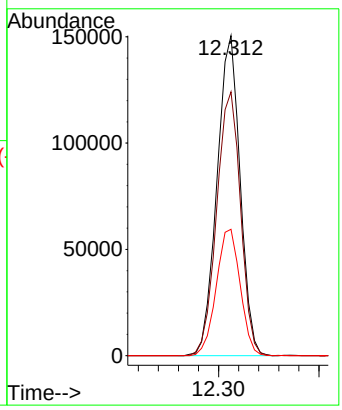




#37
2-Methylnaphthalene
Concen: 42.662 ng
RT: 12.312 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:142 Resp: 23996

Ion	Ratio	Lower	Upper
142	100		
141	82.5	68.6	103.0
115	39.5	32.8	49.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

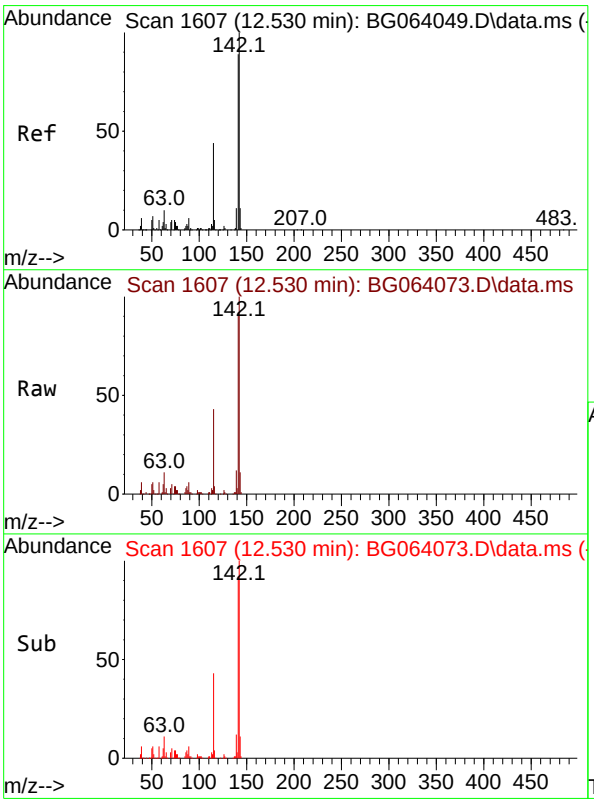
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Reviewed By :Anahy Claudio

03/11/2025

Supervised By :Jagrut Upadhyay

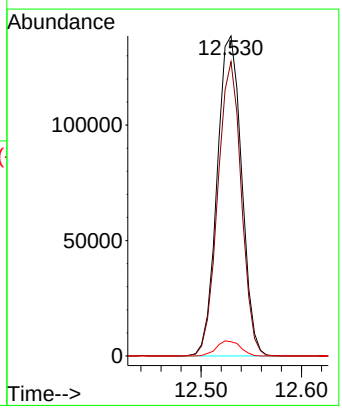
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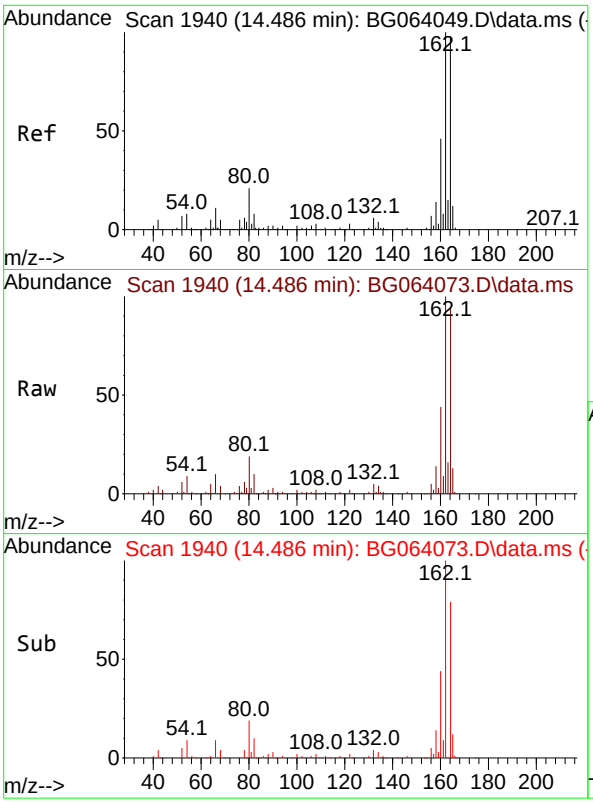


#38
1-Methylnaphthalene
Concen: 42.577 ng
RT: 12.530 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:142 Resp: 234630

Ion	Ratio	Lower	Upper
142	100		
141	92.0	71.2	106.8
116	4.5	3.6	5.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

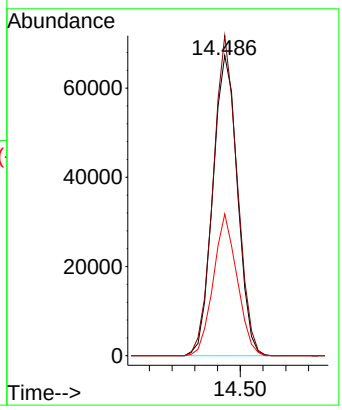
Tgt Ion:164 Resp: 10110

Ion	Ratio	Lower	Upper
164	100		
162	106.6	81.4	122.0
160	47.2	37.0	55.6

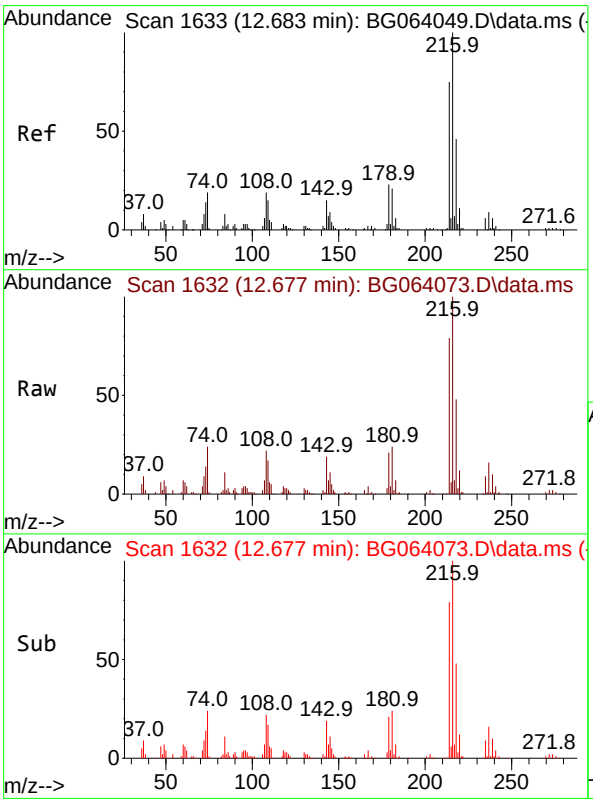
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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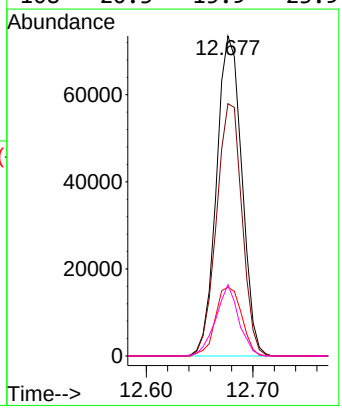
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Upadhyay



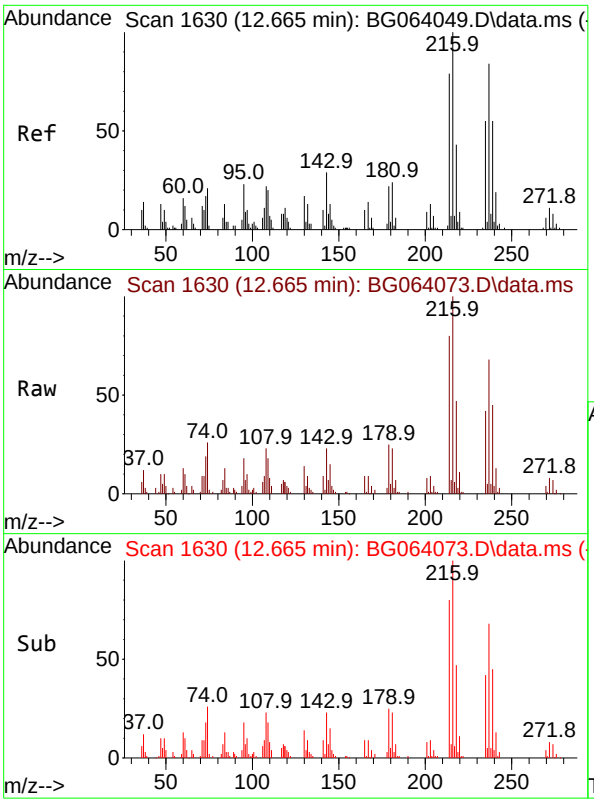
#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.997 ng
RT: 12.677 min Scan# 1632
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:216 Resp: 121225

Ion	Ratio	Lower	Upper
216	100		
214	79.3	61.7	92.5
179	22.2	17.9	26.9
108	20.3	15.9	23.9



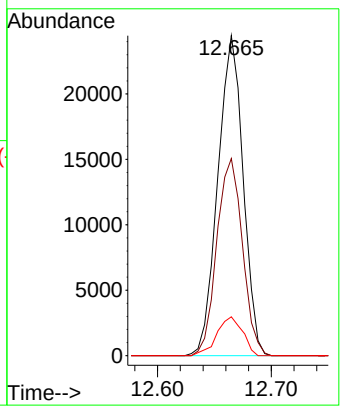
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#41
Hexachlorocyclopentadiene
Concen: 46.533 ng
RT: 12.665 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:237 Resp: 3780

Ion	Ratio	Lower	Upper
237	100		
235	61.6	46.0	86.0
272	12.1	0.0	32.8



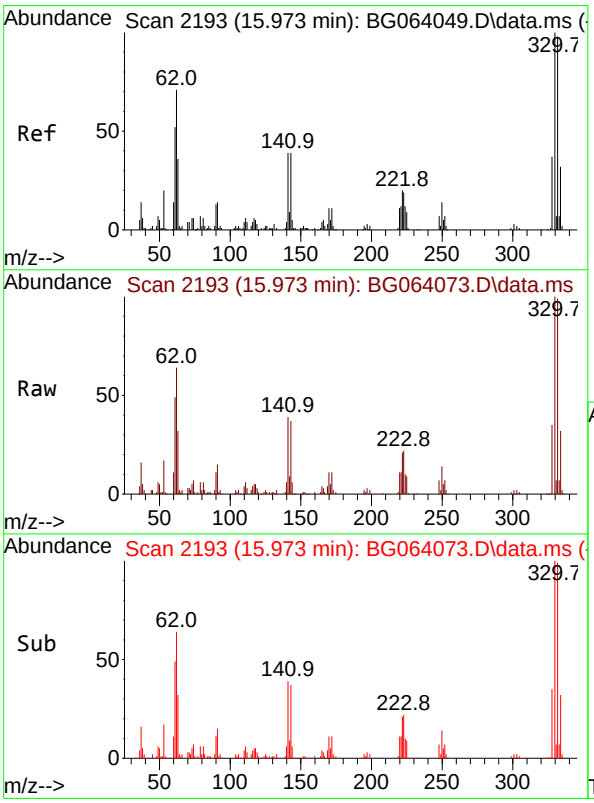
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Supervised By :Jagrut
Upadhyay

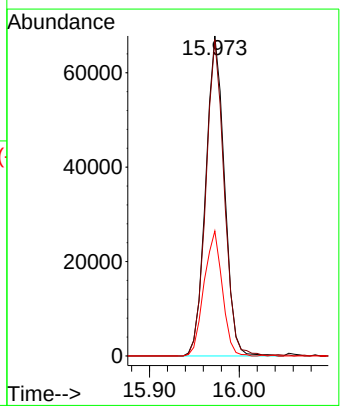
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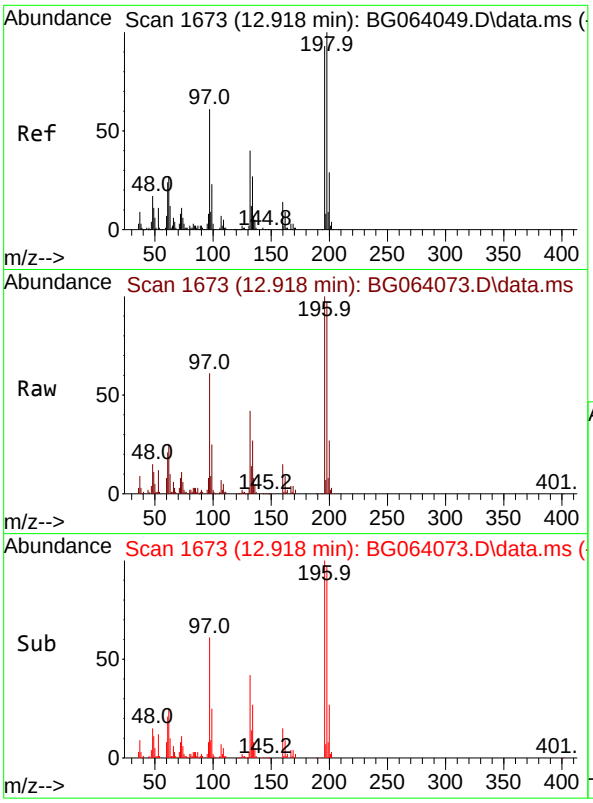


#42
2,4,6-Tribromophenol
Concen: 87.204 ng
RT: 15.973 min Scan# 2193
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:330 Resp: 98005

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.7	115.1
141	38.0	29.7	44.5

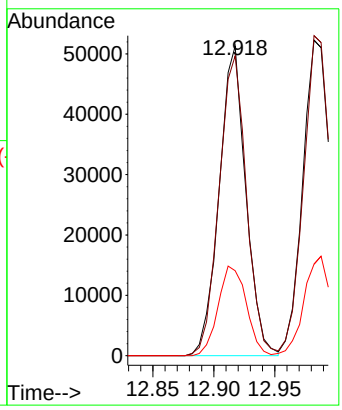




#43
2,4,6-Trichlorophenol
Concen: 45.994 ng
RT: 12.918 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:196 Resp: 7824

Ion	Ratio	Lower	Upper
196	100		
198	96.8	85.6	128.4
200	27.4	24.6	37.0



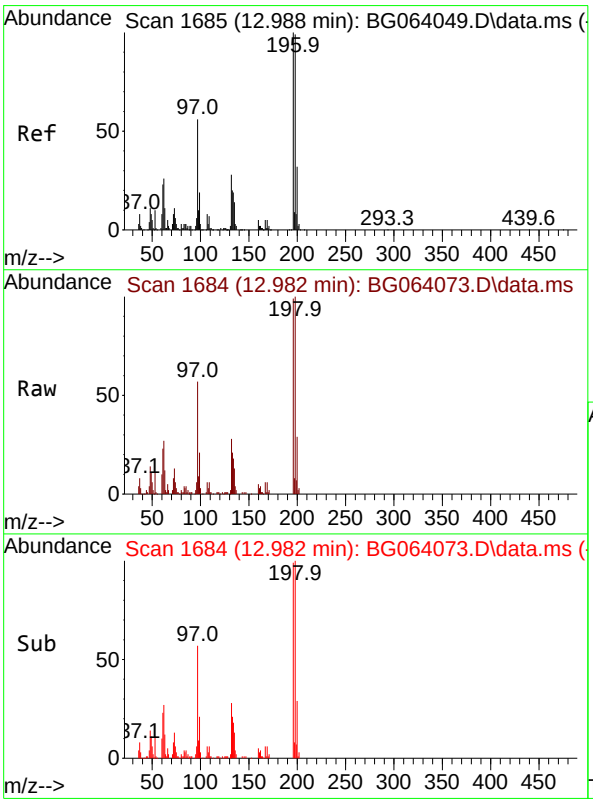
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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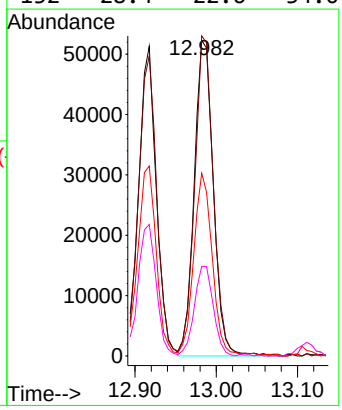
03/11/2025

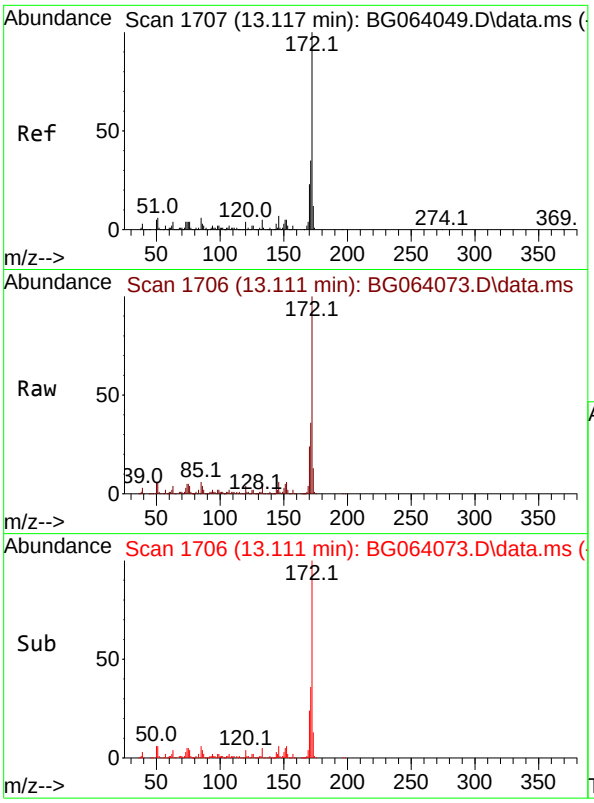


#44
2,4,5-Trichlorophenol
Concen: 45.380 ng
RT: 12.982 min Scan# 1684
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:196 Resp: 85782

Ion	Ratio	Lower	Upper
196	100		
198	101.4	79.5	119.3
97	57.9	45.2	67.8
132	28.4	22.6	34.0

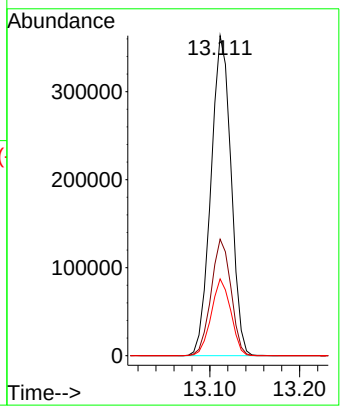




#45
2-Fluorobiphenyl
Concen: 84.928 ng
RT: 13.111 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:172 Resp: 56570

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.0	42.0
170	24.0	18.7	28.1



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

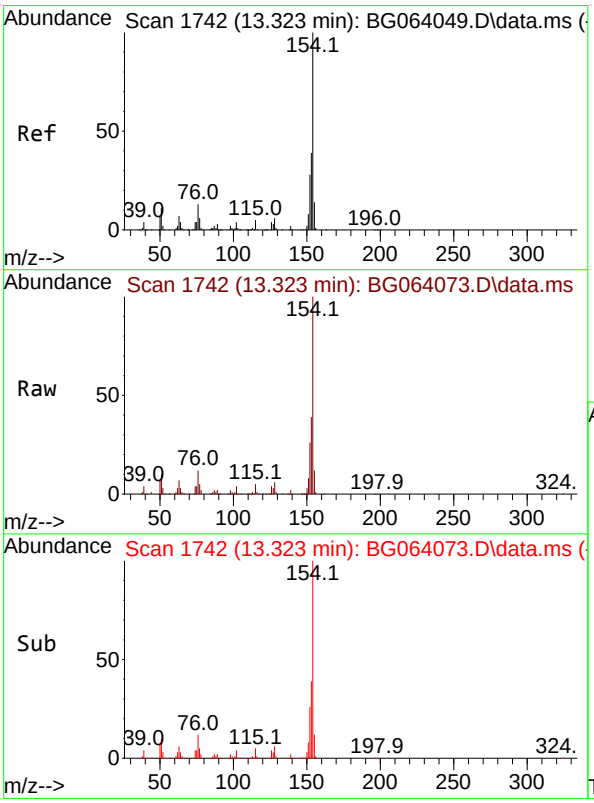
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Supervised By :Jagrut Upadhyay

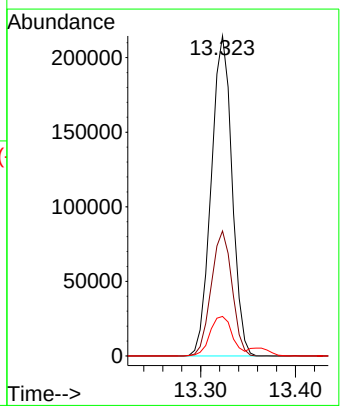
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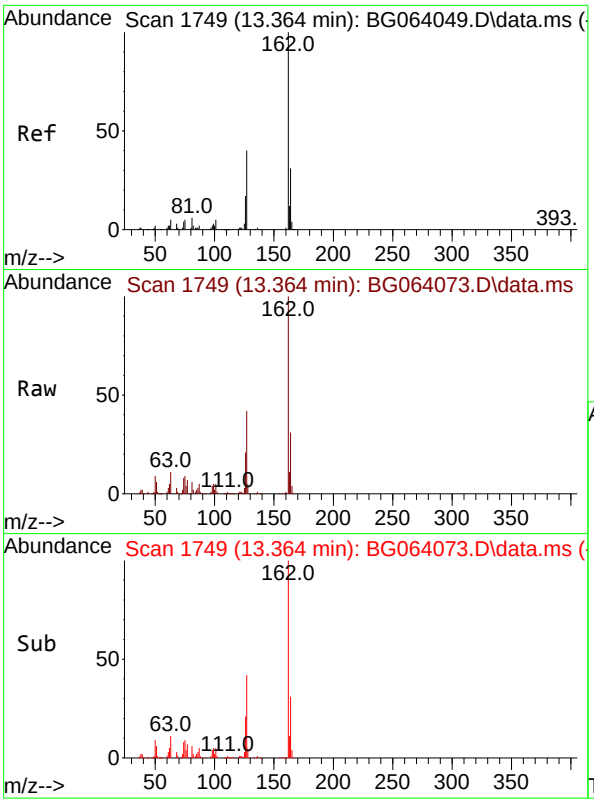


#46
1,1'-Biphenyl
Concen: 42.739 ng
RT: 13.323 min Scan# 1742
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:154 Resp: 326469

Ion	Ratio	Lower	Upper
154	100		
153	39.1	19.5	59.5
76	12.4	0.0	33.5

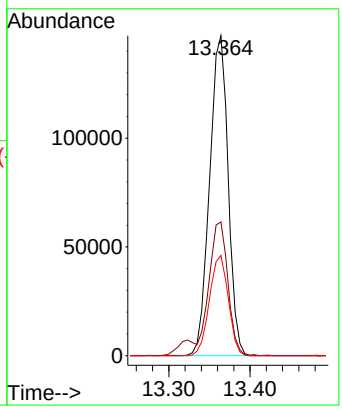




#47
2-Chloronaphthalene
Concen: 41.853 ng
RT: 13.364 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:162 Resp: 23317

Ion	Ratio	Lower	Upper
162	100		
127	41.8	35.0	52.4
164	31.3	25.0	37.6



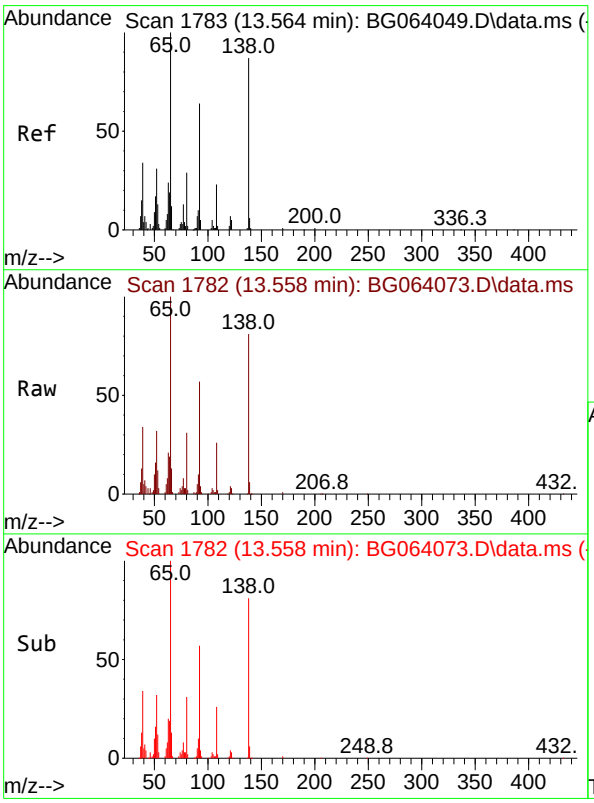
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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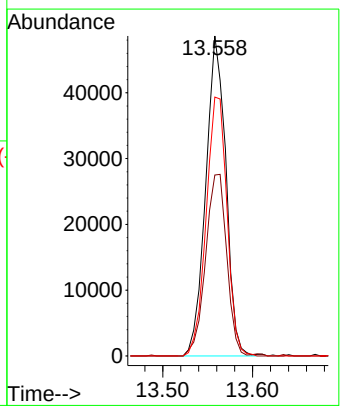
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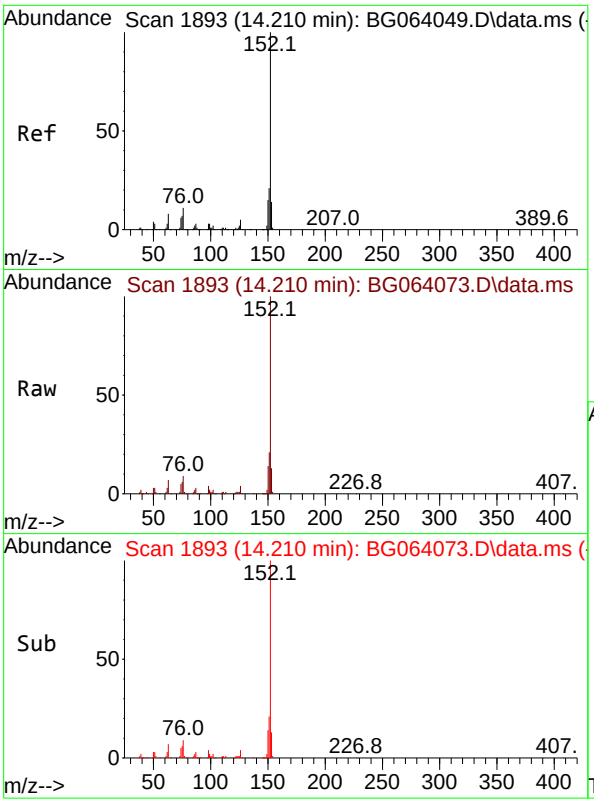


#48
2-Nitroaniline
Concen: 42.053 ng
RT: 13.558 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion: 65 Resp: 75649

Ion	Ratio	Lower	Upper
65	100		
92	56.5	51.2	76.8
138	80.9	69.4	104.2

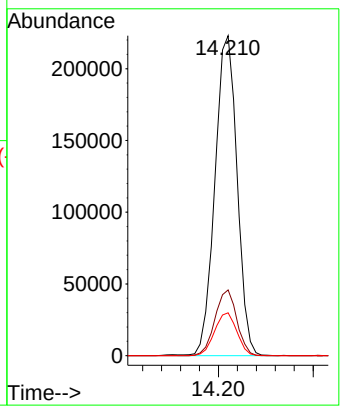




#49
Acenaphthylene
Concen: 41.061 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:152 Resp: 36182

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.4	24.6
153	13.4	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

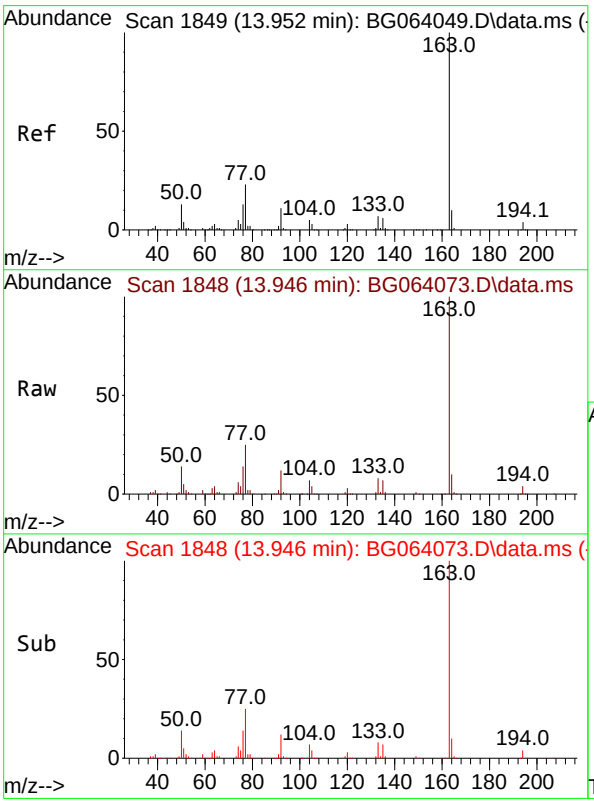
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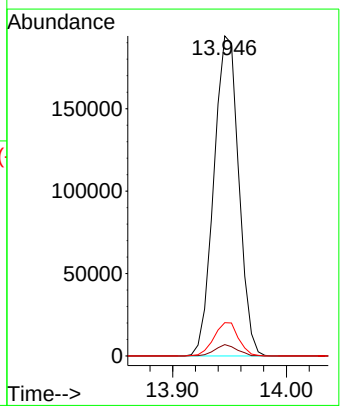
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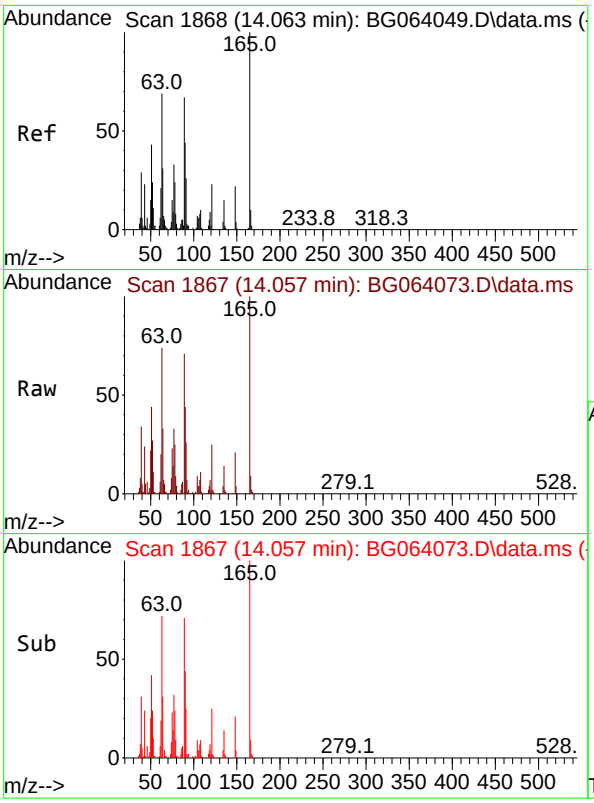


#50
Dimethylphthalate
Concen: 39.481 ng
RT: 13.946 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:163 Resp: 294665

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	10.4	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 39.535 ng
RT: 14.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

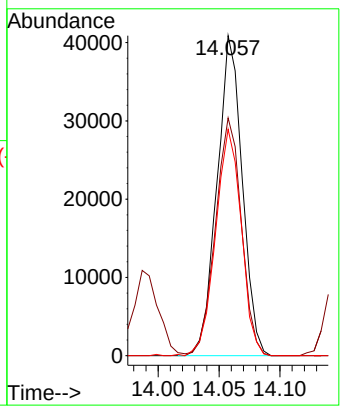
Tgt Ion:165 Resp: 5889

Ion	Ratio	Lower	Upper
165	100		
63	74.3	56.7	85.1
89	70.7	53.7	80.5

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

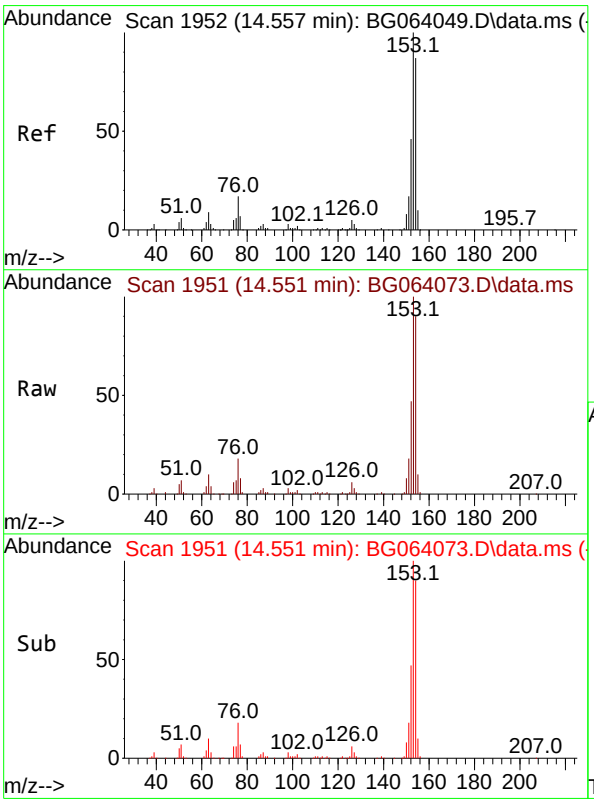
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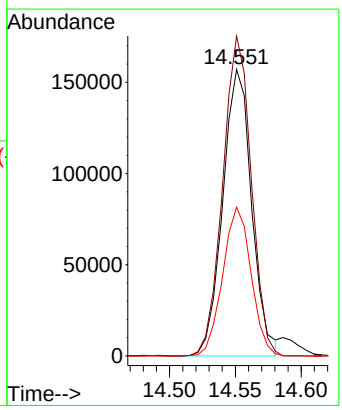
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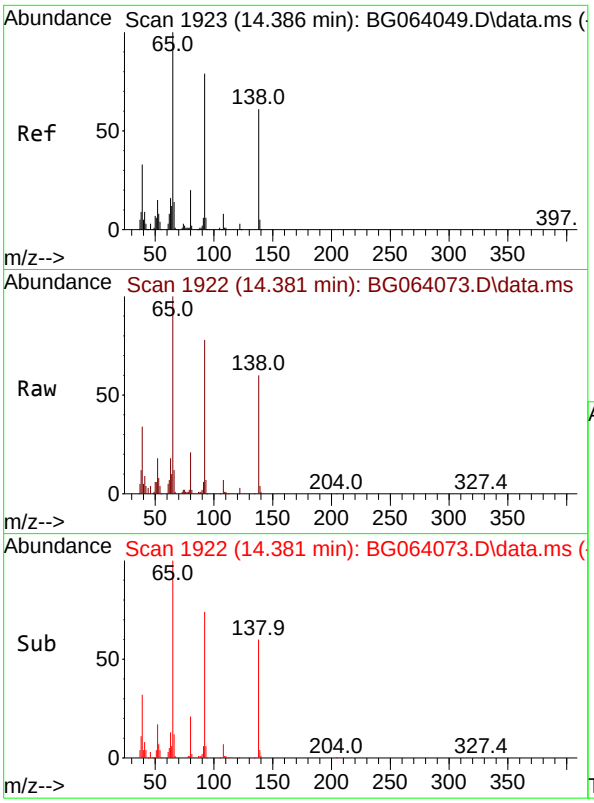


#52
Acenaphthene
Concen: 40.535 ng m
RT: 14.551 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:154 Resp: 239713

Ion	Ratio	Lower	Upper
154	100		
153	111.6	91.6	137.4
152	51.9	42.5	63.7





#53
3-Nitroaniline
Concen: 41.682 ng
RT: 14.381 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

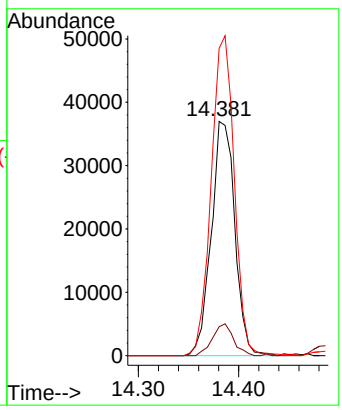
Tgt Ion:138 Resp: 6012

Ion	Ratio	Lower	Upper
138	100		
108	12.4	10.1	15.1
92	131.2	104.1	156.1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

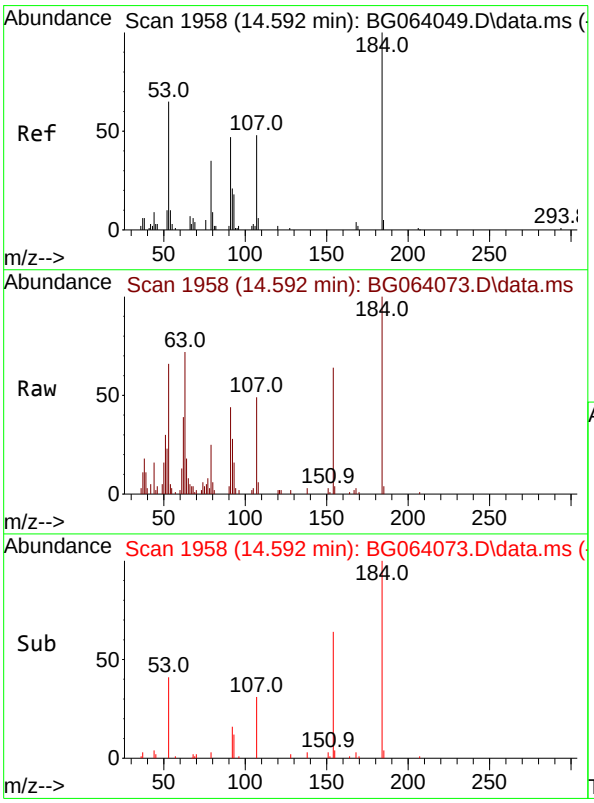
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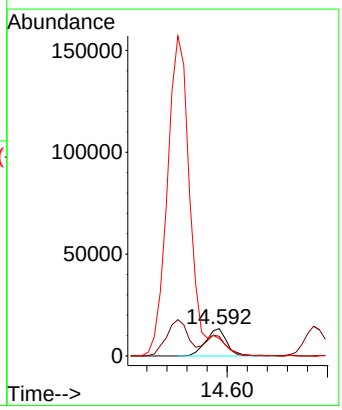
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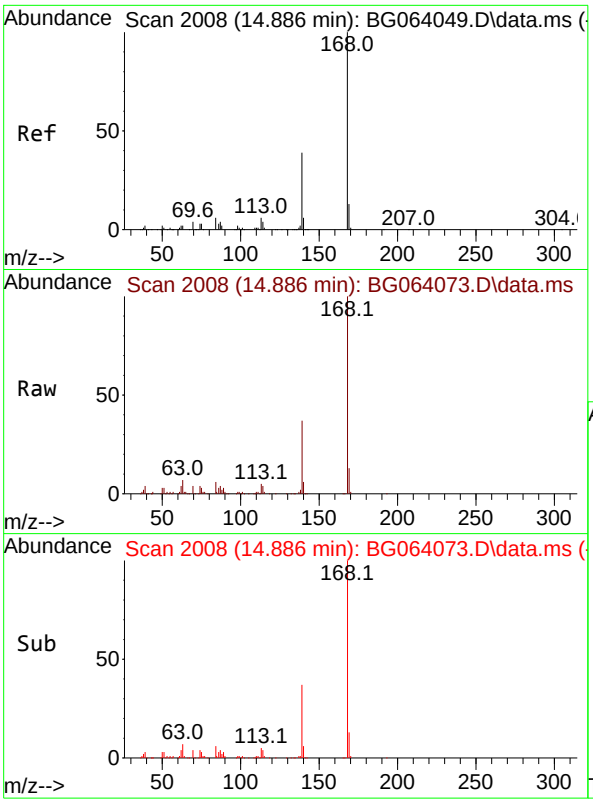


#54
2,4-Dinitrophenol
Concen: 35.836 ng
RT: 14.592 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:184 Resp: 19576

Ion	Ratio	Lower	Upper
184	100		
63	72.2	57.5	86.3
154	64.4	52.3	78.5

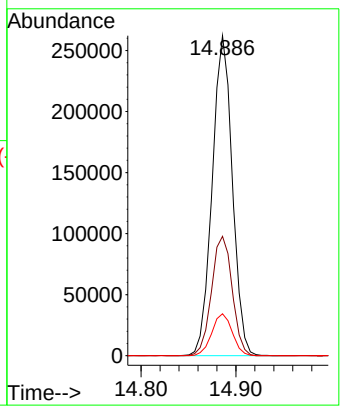




#55
Dibenzofuran
Concen: 40.413 ng
RT: 14.886 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:168 Resp: 38716

Ion	Ratio	Lower	Upper
168	100		
139	37.3	31.1	46.7
169	13.1	10.5	15.7



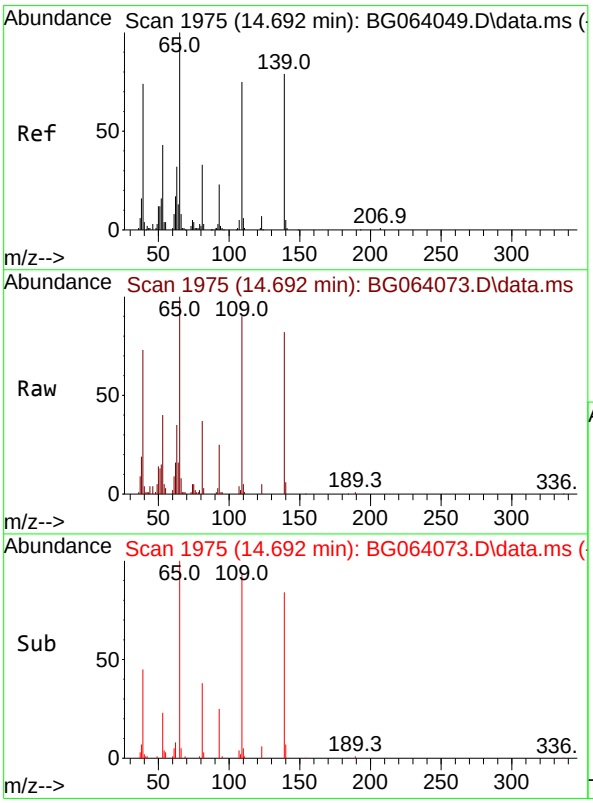
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Upadhyay

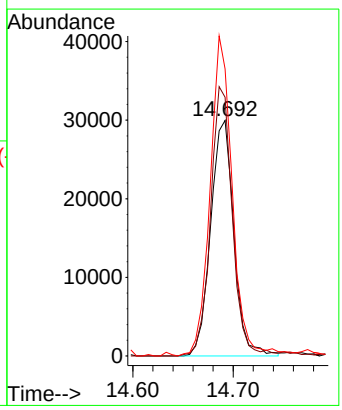
03/11/2025

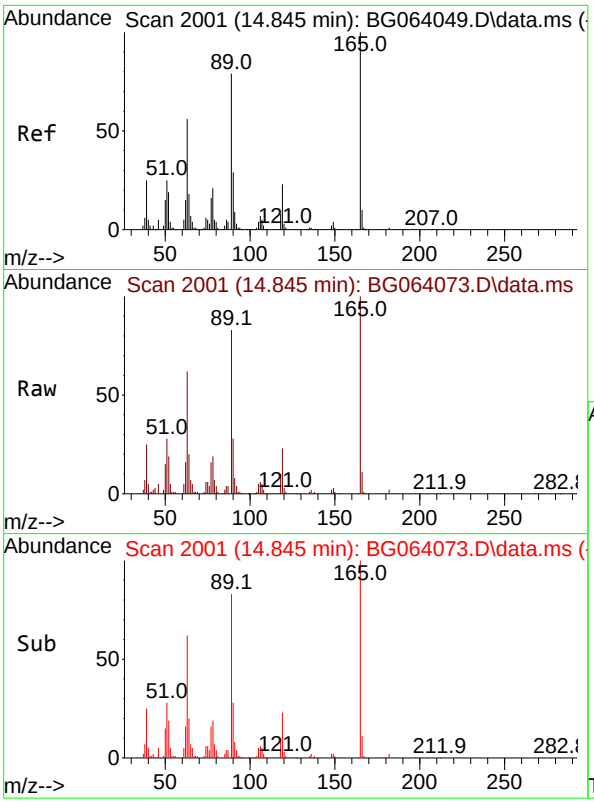


#56
4-Nitrophenol
Concen: 39.920 ng
RT: 14.692 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:139 Resp: 48293

Ion	Ratio	Lower	Upper
139	100		
109	109.9	74.9	114.9
65	121.9	106.8	146.8

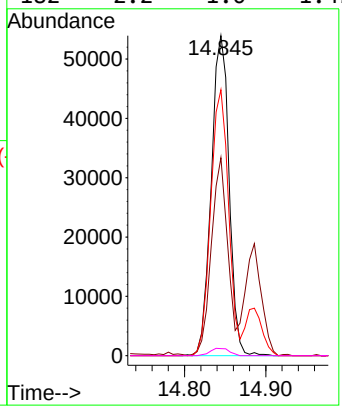




#57
2,4-Dinitrotoluene
Concen: 39.981 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:165 Resp: 8215

Ion	Ratio	Lower	Upper
165	100		
63	61.8	45.0	67.6
89	83.1	63.1	94.7
182	2.2	1.0	1.4#



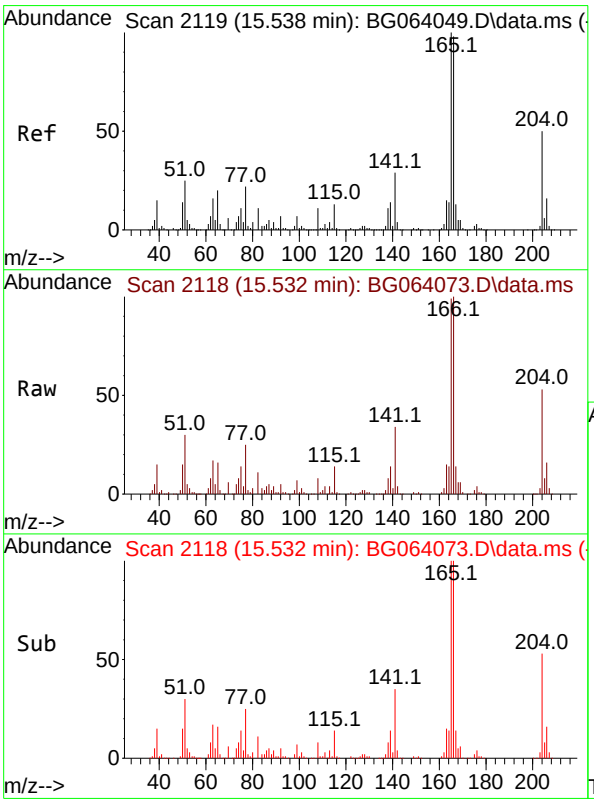
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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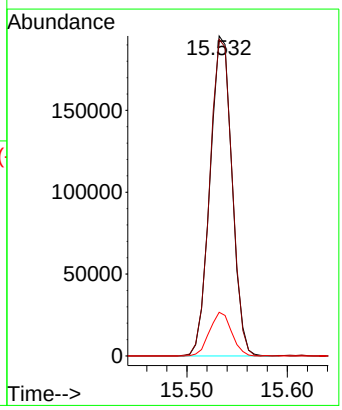
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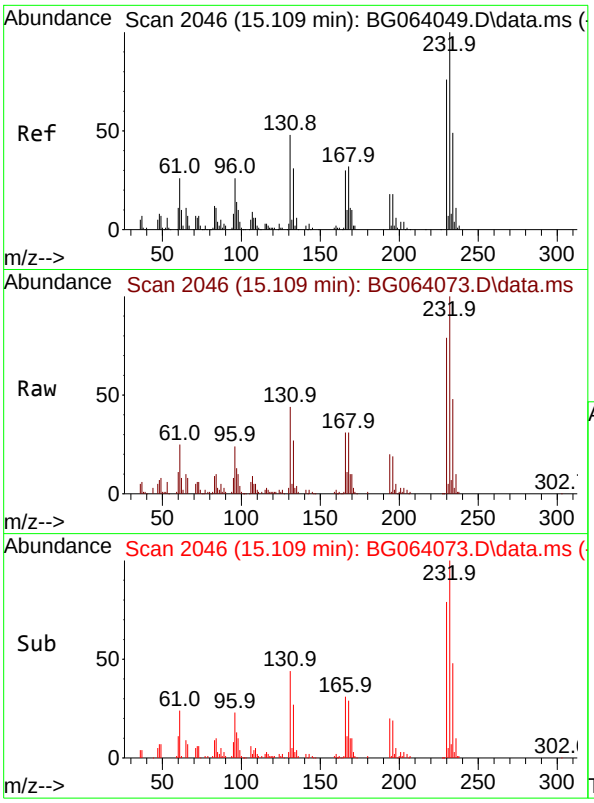


#58
Fluorene
Concen: 39.896 ng
RT: 15.532 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:166 Resp: 297687

Ion	Ratio	Lower	Upper
166	100		
165	99.0	81.8	122.8
167	13.6	10.8	16.2

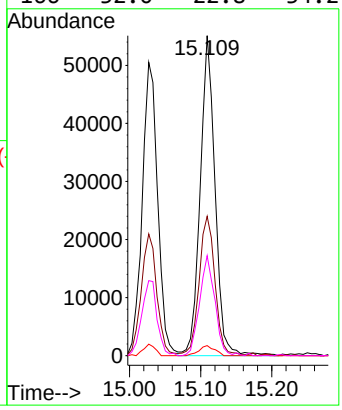




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.692 ng
RT: 15.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:232 Resp: 8051

Ion	Ratio	Lower	Upper
232	100		
131	45.6	36.3	54.5
130	3.3	1.9	2.9
166	32.0	22.8	34.2



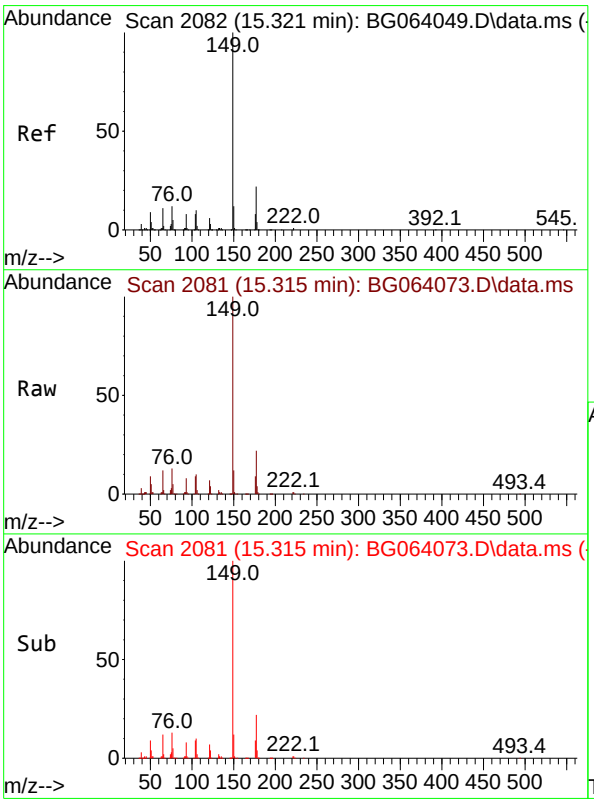
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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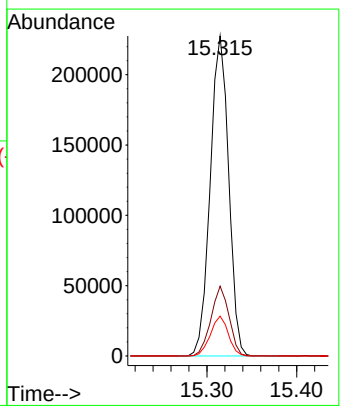
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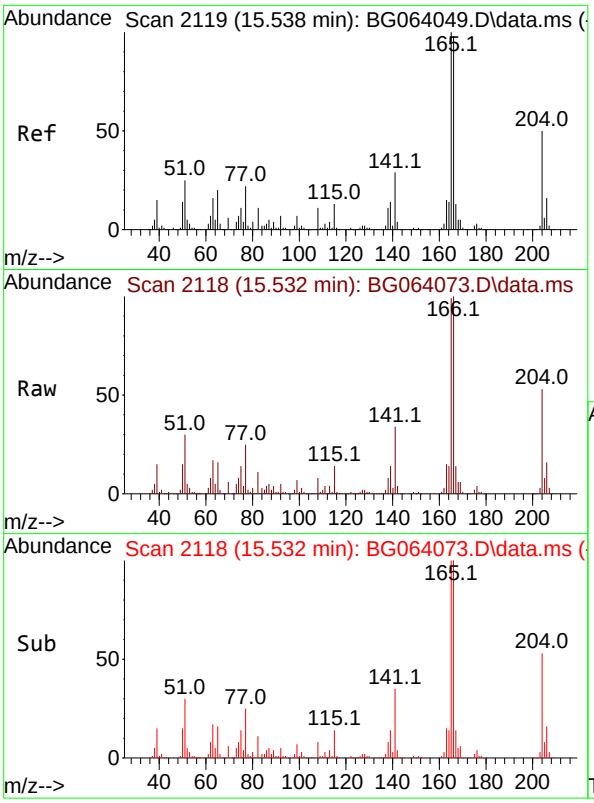


#60
Diethylphthalate
Concen: 40.007 ng
RT: 15.315 min Scan# 2081
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:149 Resp: 324148

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.5	9.4	14.2

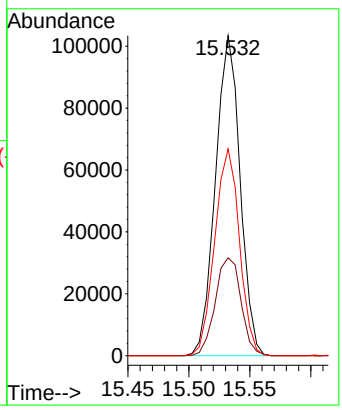




#61
4-Chlorophenyl-phenylether
Concen: 39.213 ng
RT: 15.532 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:204 Resp: 14540

Ion	Ratio	Lower	Upper
204	100		
206	30.6	25.5	38.3
141	64.6	45.4	68.0



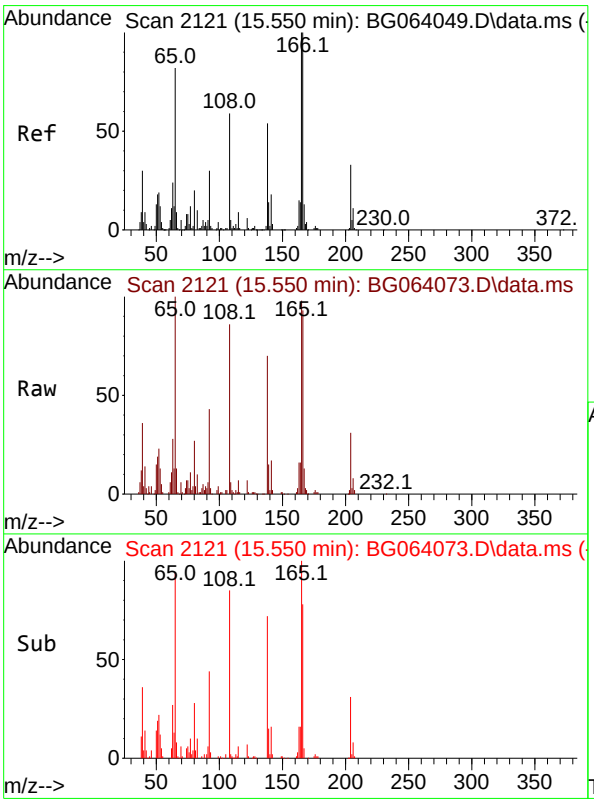
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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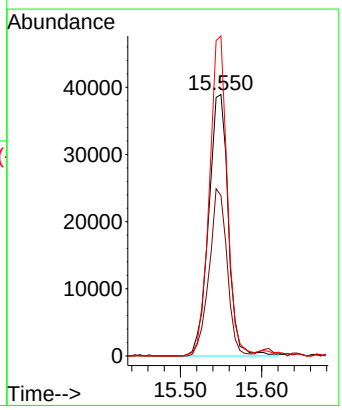
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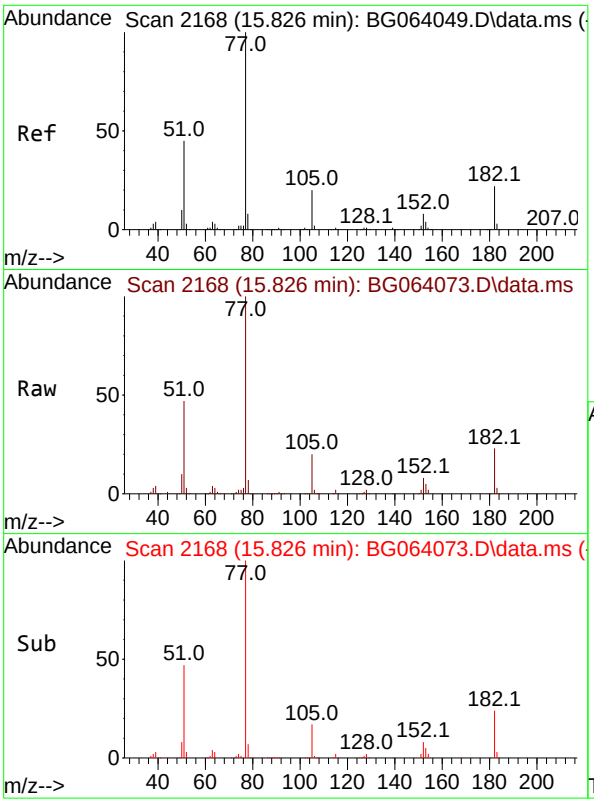


#62
4-Nitroaniline
Concen: 41.807 ng
RT: 15.550 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:138 Resp: 65107

Ion	Ratio	Lower	Upper
138	100		
92	61.4	36.1	76.1
108	122.4	87.9	127.9

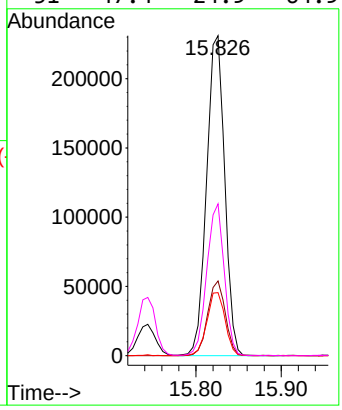




#63
Azobenzene
Concen: 39.392 ng
RT: 15.826 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion: 77 Resp: 34058

Ion	Ratio	Lower	Upper
77	100		
182	23.4	2.4	42.4
105	19.7	0.0	40.0
51	47.4	24.9	64.9



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

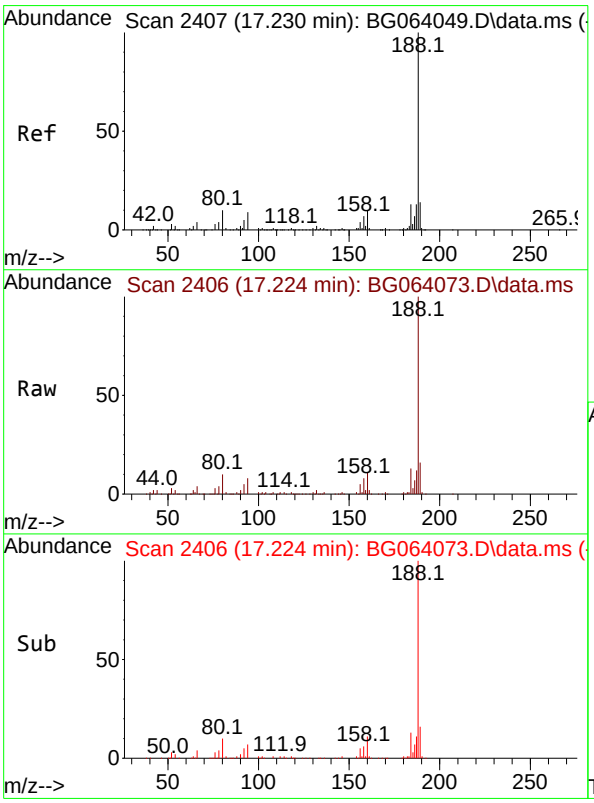
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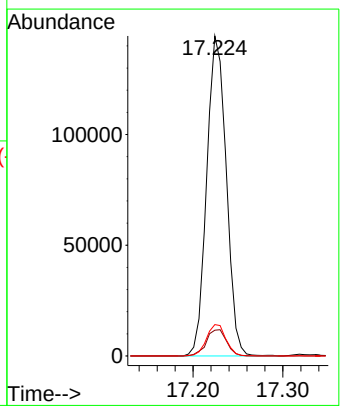
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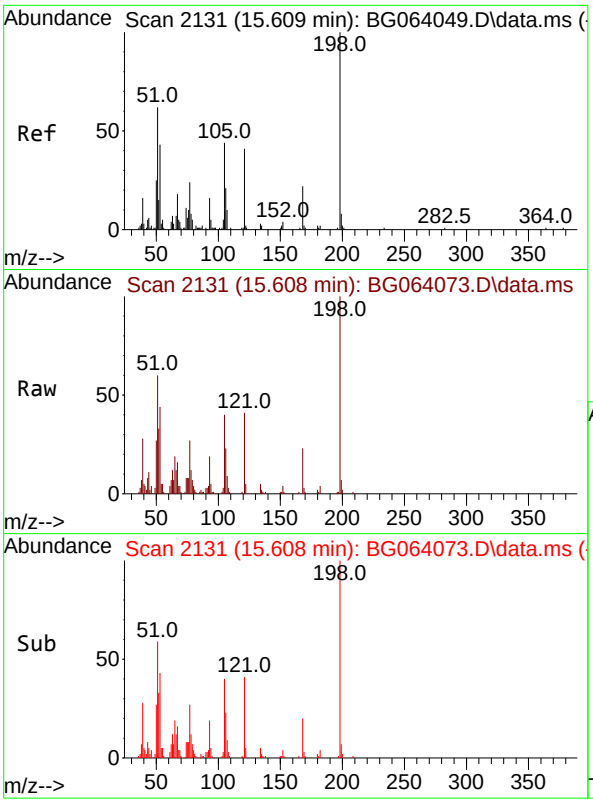


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:188 Resp: 218504

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.9	10.3
80	9.8	8.1	12.1

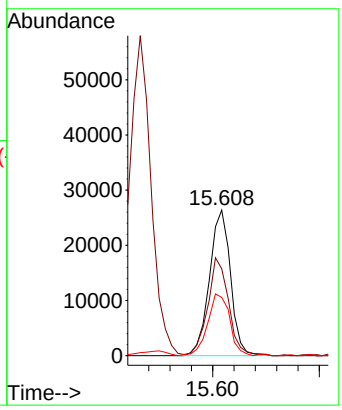




#65
4,6-Dinitro-2-methylphenol
Concen: 39.895 ng
RT: 15.608 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:198 Resp: 3608

Ion	Ratio	Lower	Upper
198	100		
51	59.7	45.6	85.6
105	40.0	25.3	65.3



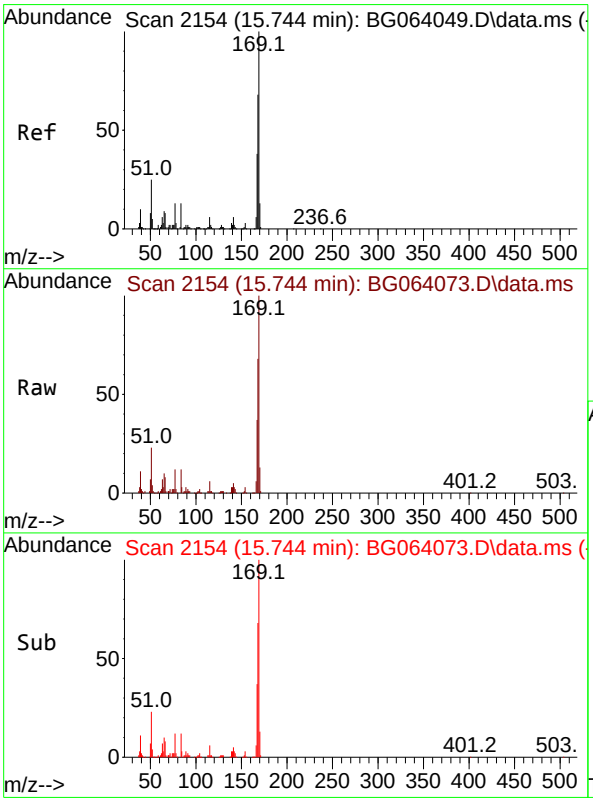
Instrument :
BNA_G
ClientSampleId :
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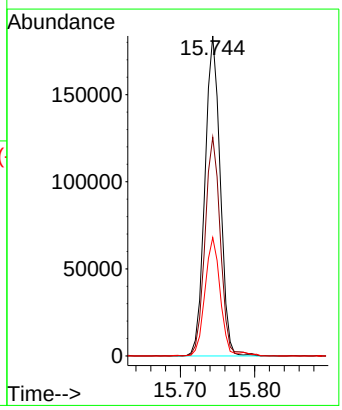
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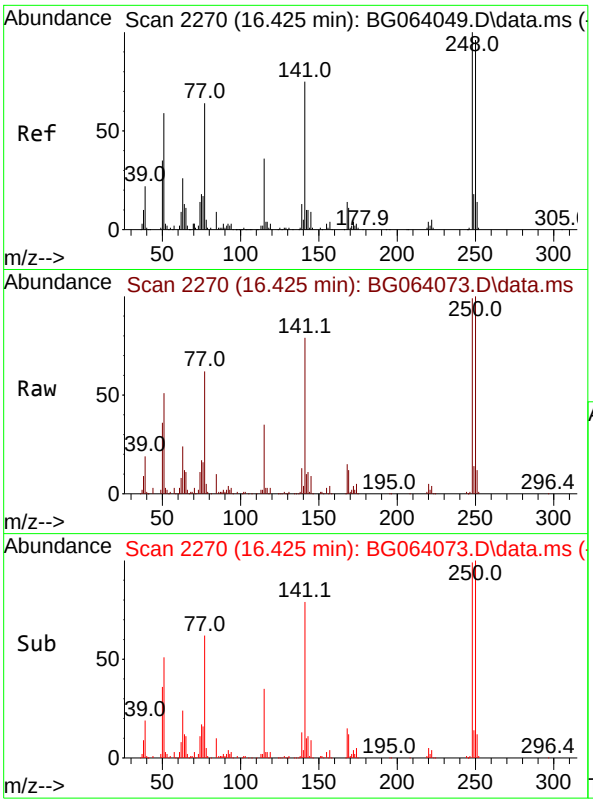


#66
n-Nitrosodiphenylamine
Concen: 42.426 ng
RT: 15.744 min Scan# 2154
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:169 Resp: 262404

Ion	Ratio	Lower	Upper
169	100		
168	68.3	54.1	81.1
167	37.0	30.3	45.5





#67
4-Bromophenyl-phenylether
Concen: 41.817 ng
RT: 16.425 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

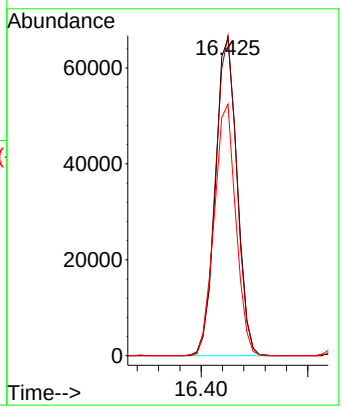
Tgt Ion:248 Resp: 9358

Ion	Ratio	Lower	Upper
248	100		
250	100.9	77.1	115.7
141	79.3	59.8	89.8

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

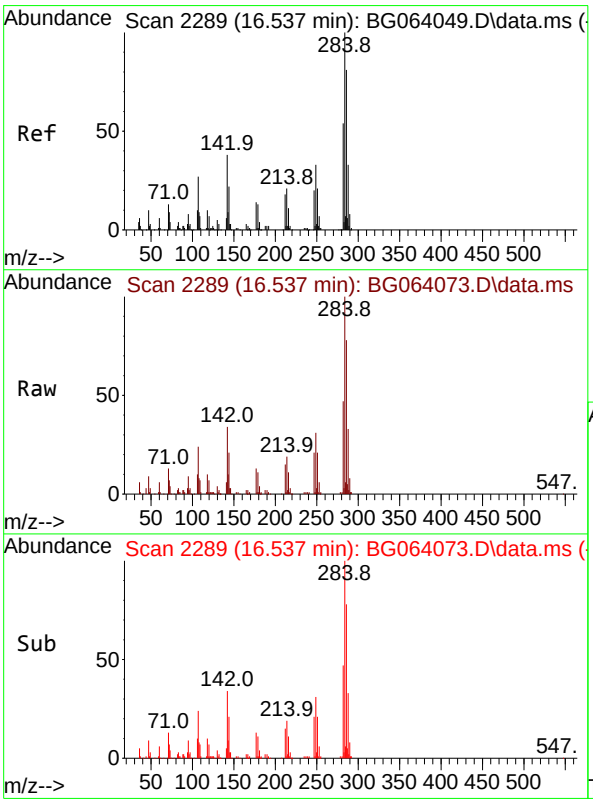
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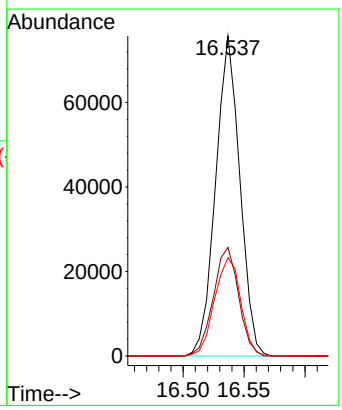
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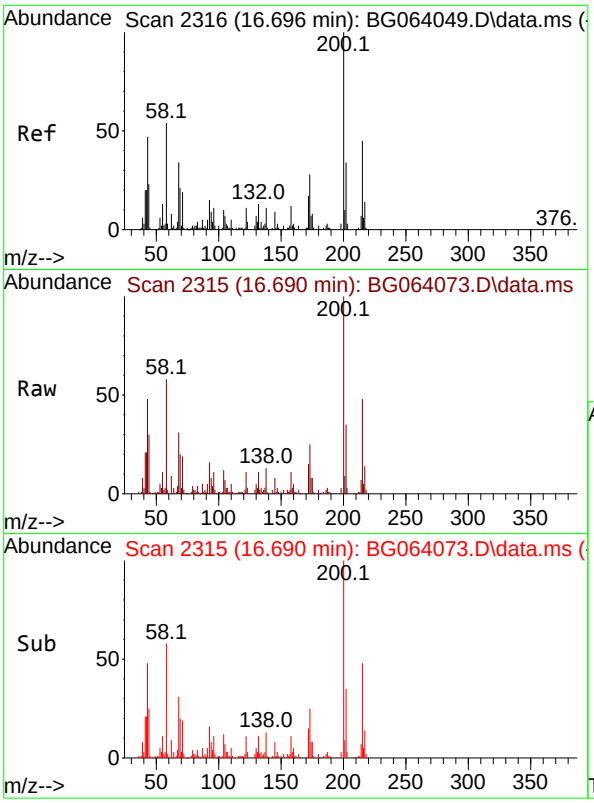


#68
Hexachlorobenzene
Concen: 41.786 ng
RT: 16.537 min Scan# 2289
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:284 Resp: 104692

Ion	Ratio	Lower	Upper
284	100		
142	33.9	30.6	45.8
249	30.7	26.6	39.8

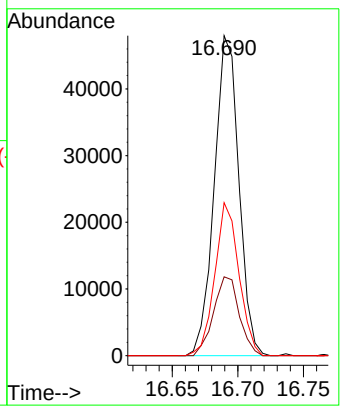




#69
Atrazine
Concen: 34.275 ng
RT: 16.690 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:200 Resp: 6237

Ion	Ratio	Lower	Upper
200	100		
173	24.6	8.2	48.2
215	47.8	25.5	65.5



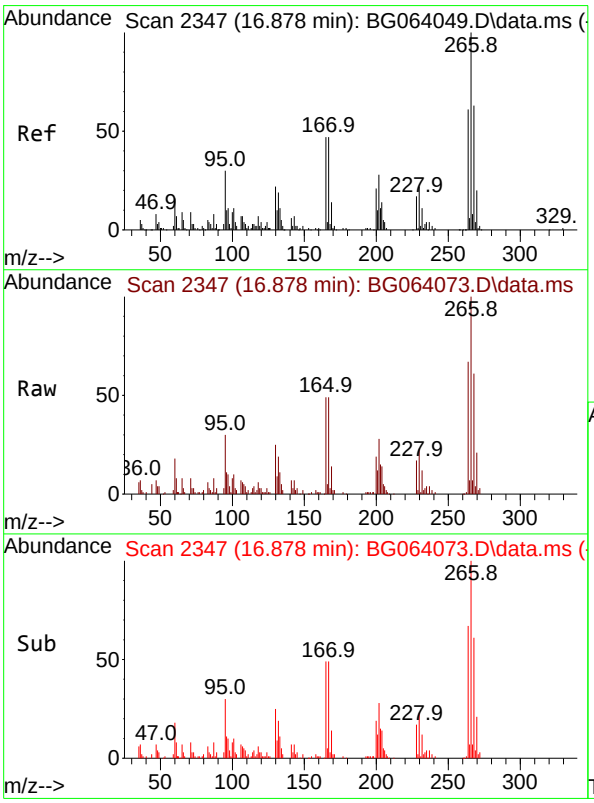
Instrument :
BNA_G
ClientSampleId :
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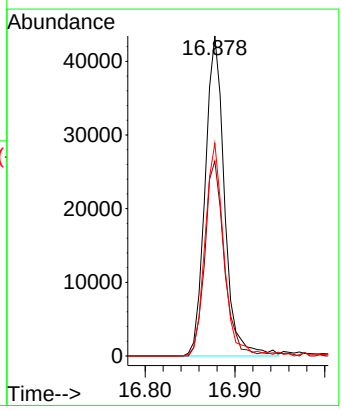
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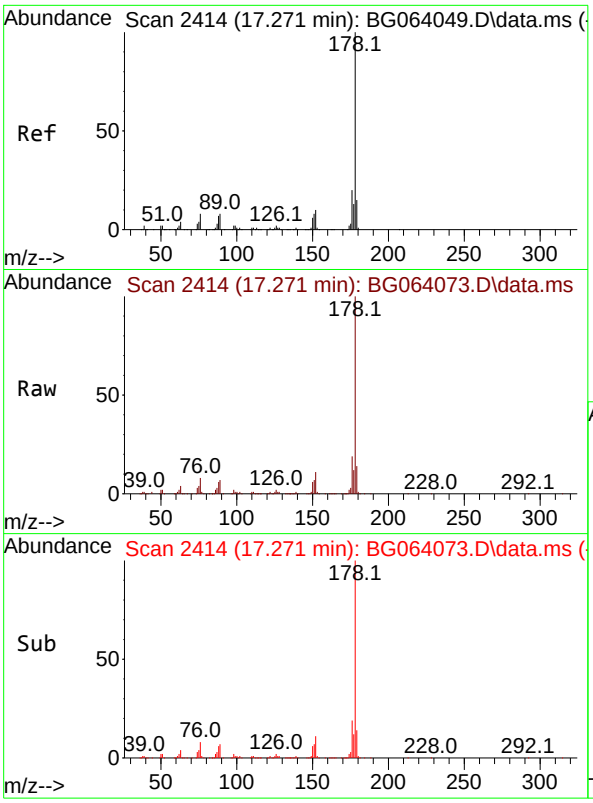


#70
Pentachlorophenol
Concen: 41.654 ng
RT: 16.878 min Scan# 2347
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:266 Resp: 64797

Ion	Ratio	Lower	Upper
266	100		
268	60.9	50.2	75.4
264	66.5	48.9	73.3

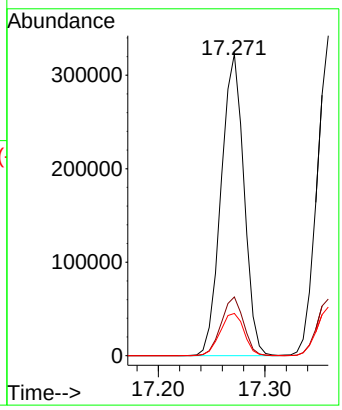




#71
Phenanthrene
Concen: 41.144 ng
RT: 17.271 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:178 Resp: 47951

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.9	23.9
179	14.0	12.2	18.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

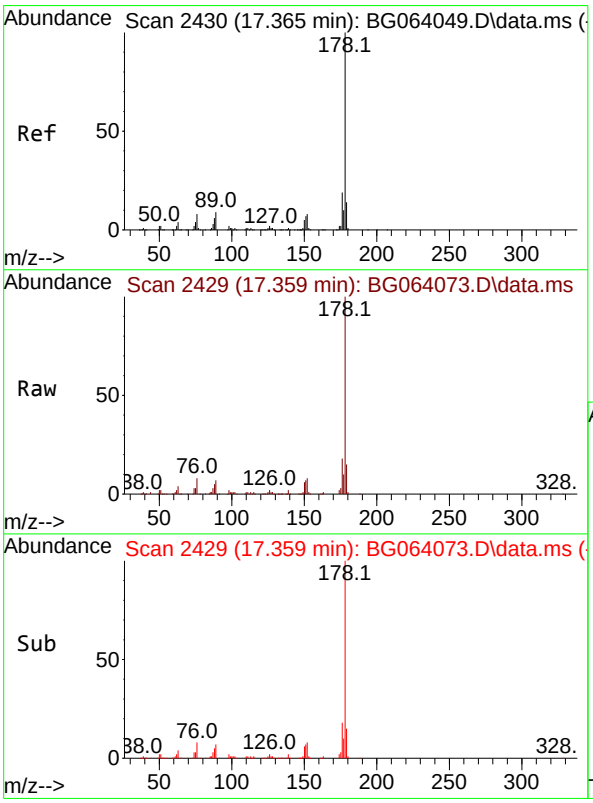
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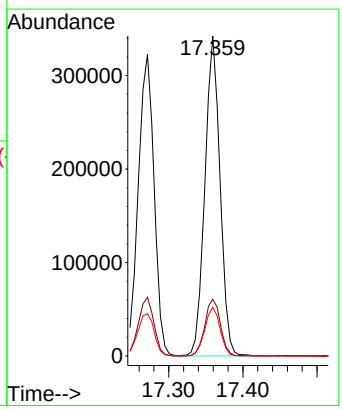
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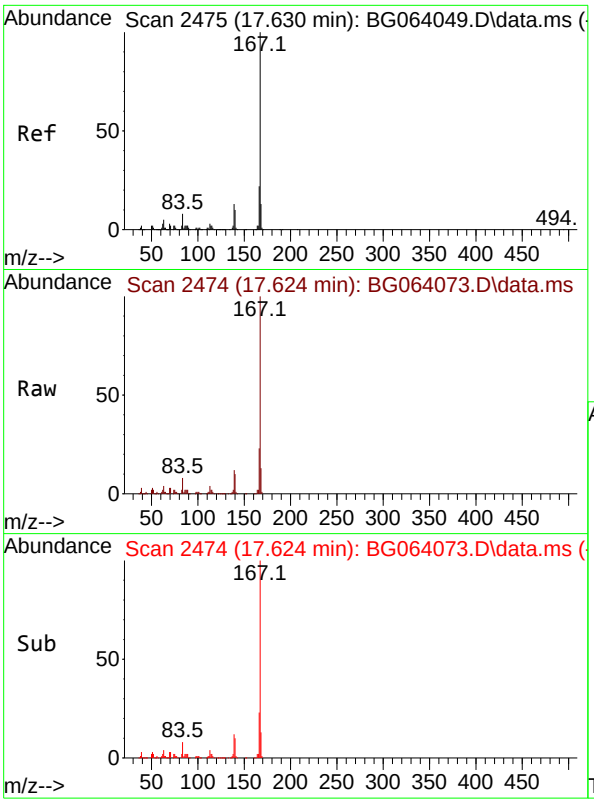


#72
Anthracene
Concen: 41.849 ng
RT: 17.359 min Scan# 2429
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:178 Resp: 484980

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.8	22.2
179	15.2	11.5	17.3

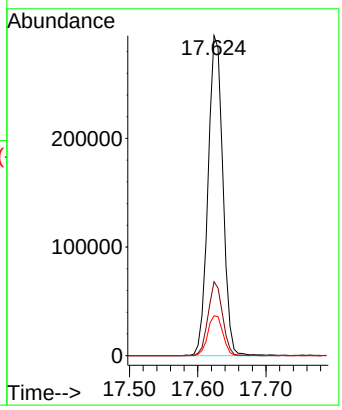




#73
Carbazole
Concen: 41.162 ng
RT: 17.624 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:167 Resp: 44536

Ion	Ratio	Lower	Upper
167	100		
166	23.1	18.0	27.0
139	12.4	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

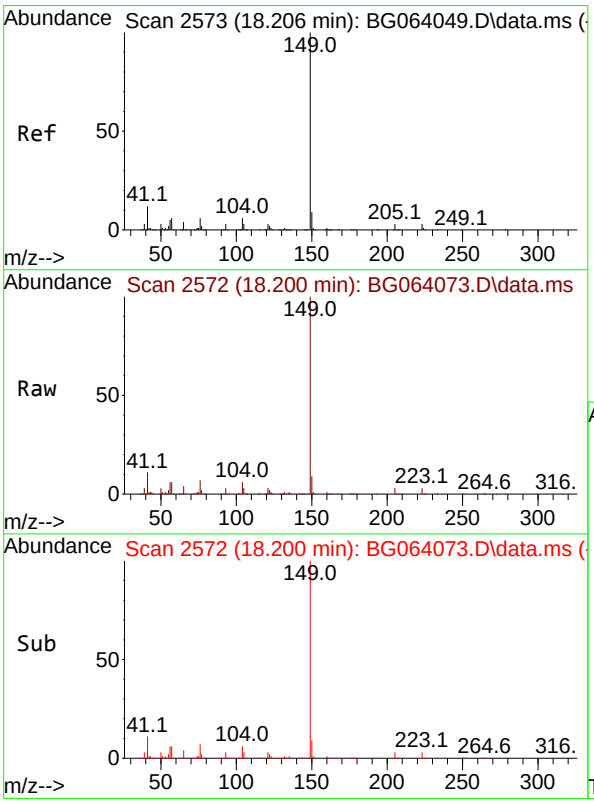
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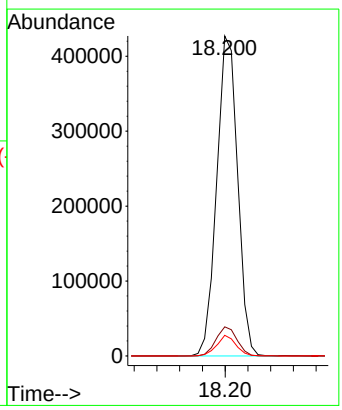
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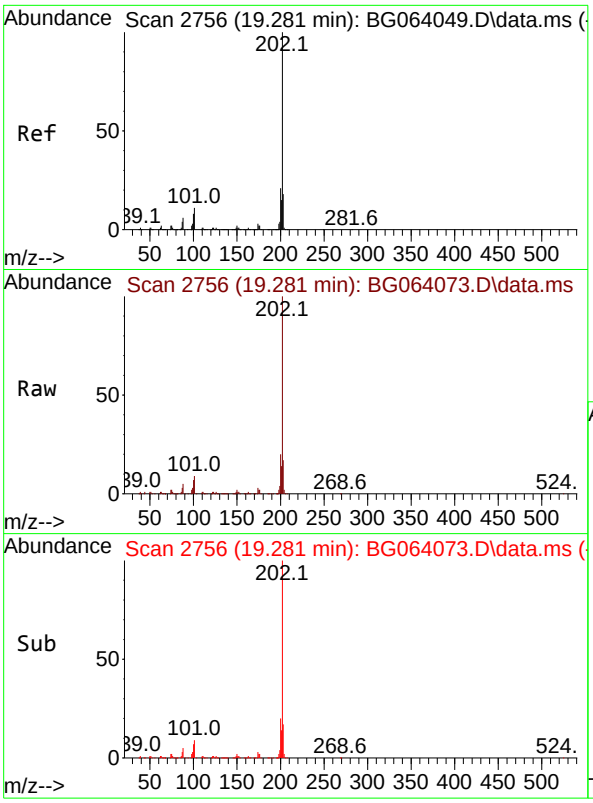


#74
Di-n-butylphthalate
Concen: 42.868 ng
RT: 18.200 min Scan# 2572
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:149 Resp: 545972

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	6.5	5.0	7.6





#75
Fluoranthene
Concen: 40.646 ng
RT: 19.281 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:202 Resp: 57108

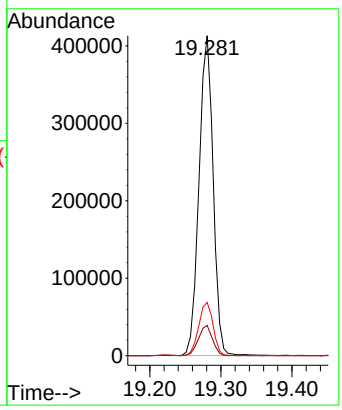
Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	30.5
203	16.7	0.0	38.3

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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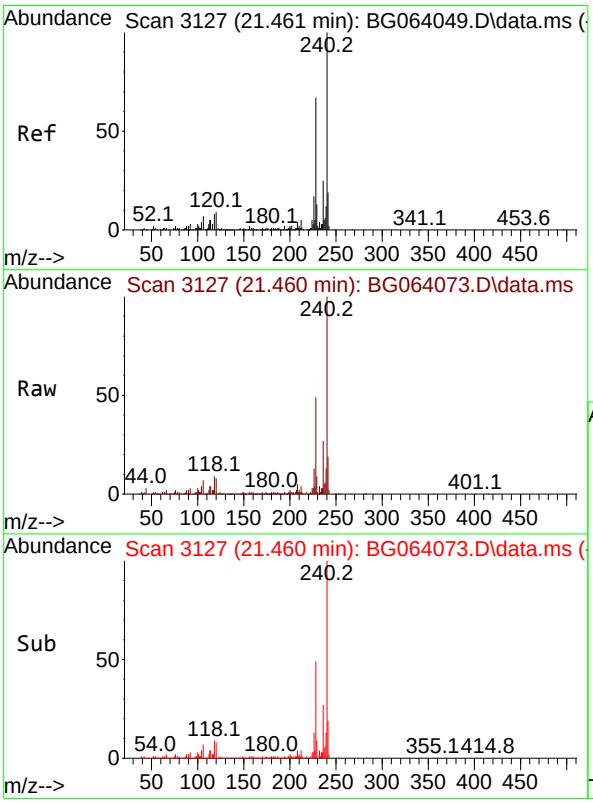
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03/11/2025



Supervised By :Jagrut Upadhyay

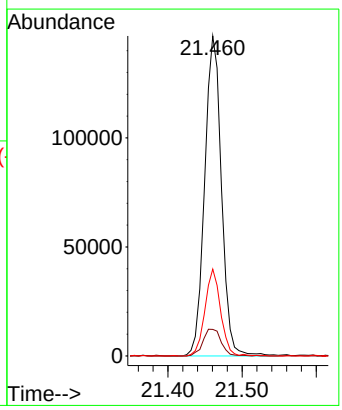
03/11/2025

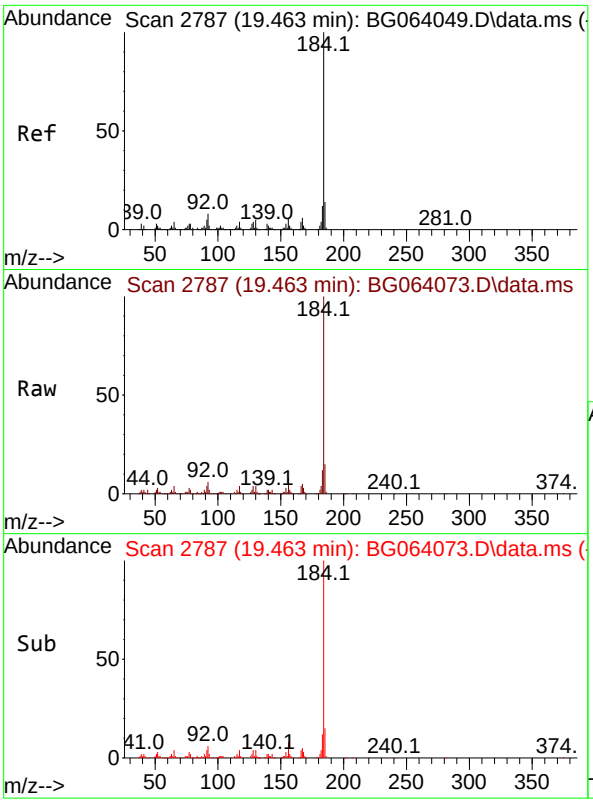


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.460 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:240 Resp: 231279

Ion	Ratio	Lower	Upper
240	100		
120	8.3	7.2	10.8
236	27.2	20.2	30.2

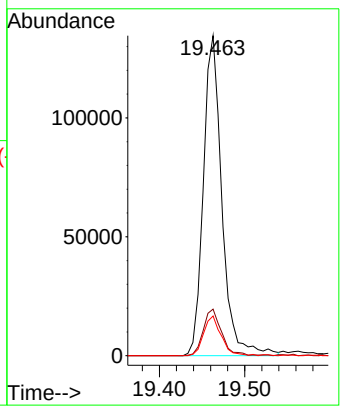




#77
Benzidine
Concen: 63.633 ng
RT: 19.463 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:184 Resp: 20378

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.3	16.9
183	12.4	9.5	14.3



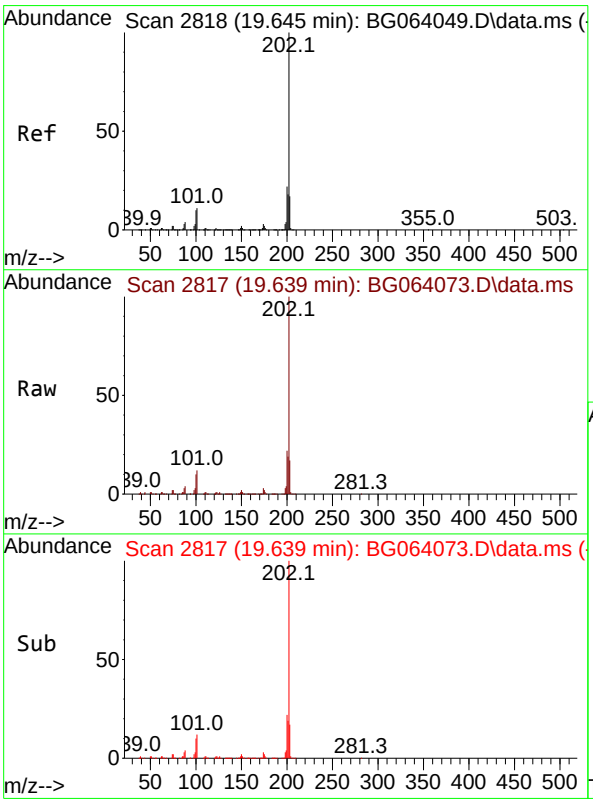
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Claudio

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Supervised By :Jagrut
Upadhyay

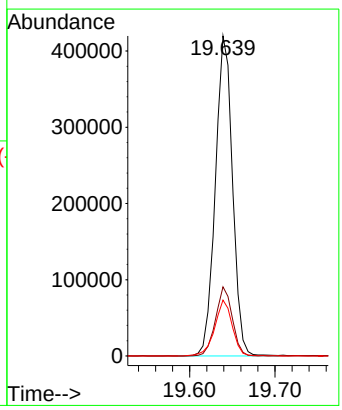
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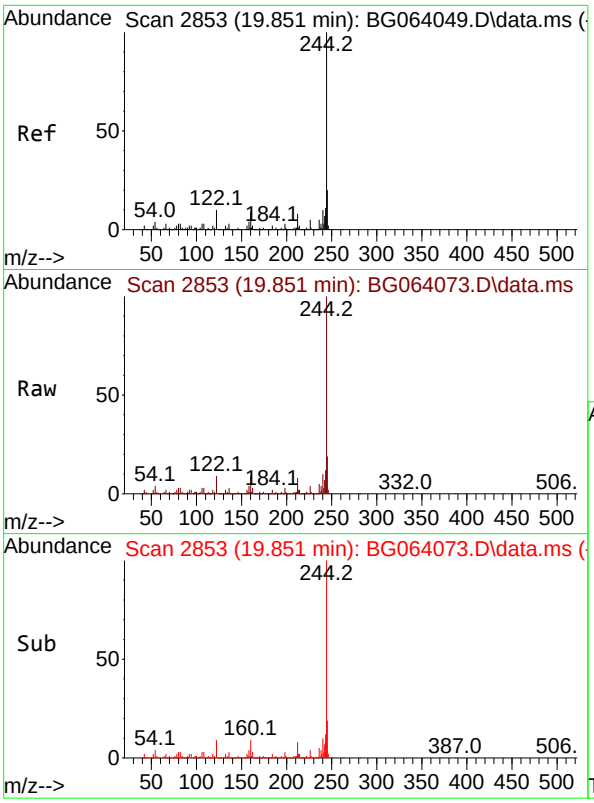


#78
Pyrene
Concen: 39.505 ng
RT: 19.639 min Scan# 2817
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:202 Resp: 588965

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	17.4	13.6	20.4

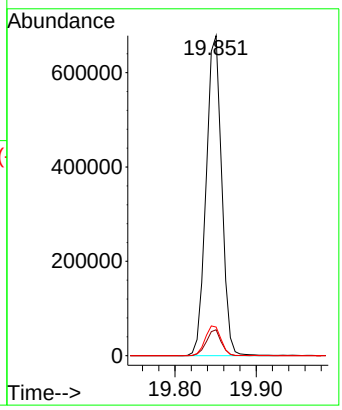




#79
Terphenyl-d14
Concen: 78.583 ng
RT: 19.851 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:244 Resp: 89884

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	9.0	8.0	12.0



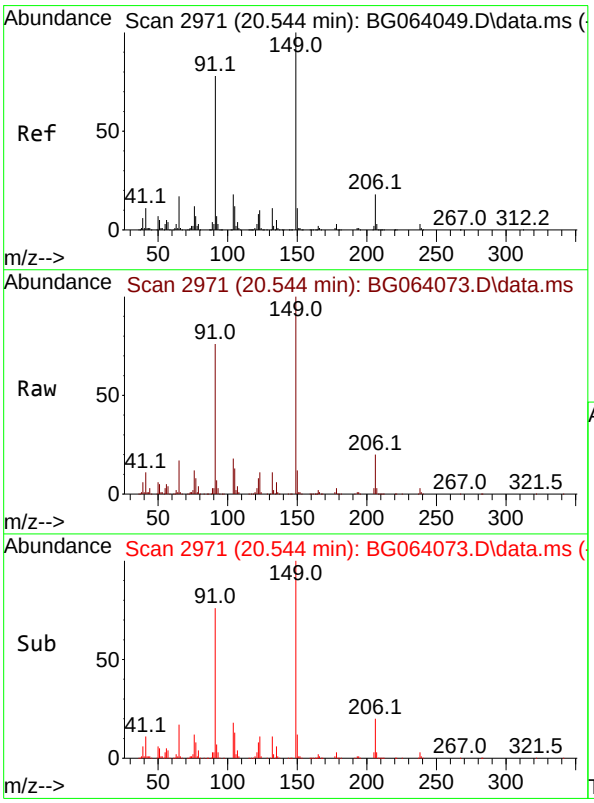
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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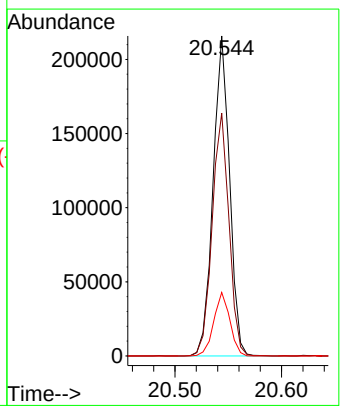
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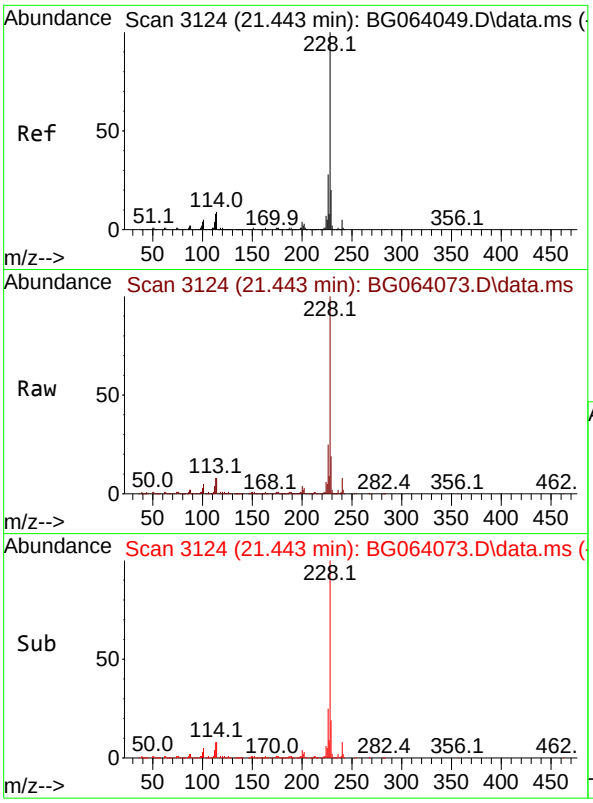


#80
Butylbenzylphthalate
Concen: 41.755 ng
RT: 20.544 min Scan# 2971
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:149 Resp: 230728

Ion	Ratio	Lower	Upper
149	100		
91	75.9	62.0	93.0
206	19.9	14.6	21.8





#81
Benzo(a)anthracene
Concen: 40.085 ng
RT: 21.443 min Scan# 3
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

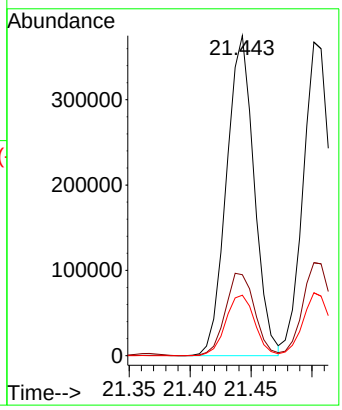
Tgt Ion:228 Resp: 59386

Ion	Ratio	Lower	Upper
228	100		
226	25.3	22.2	33.2
229	18.9	16.4	24.6

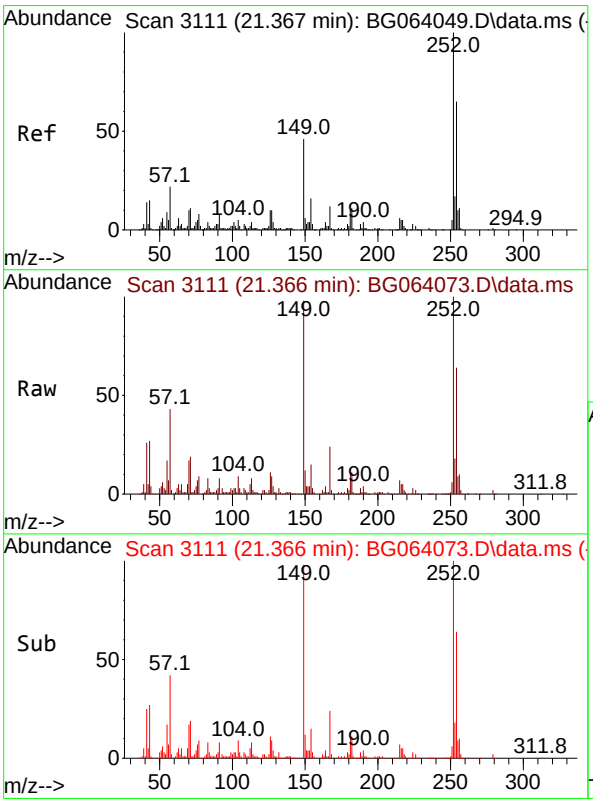
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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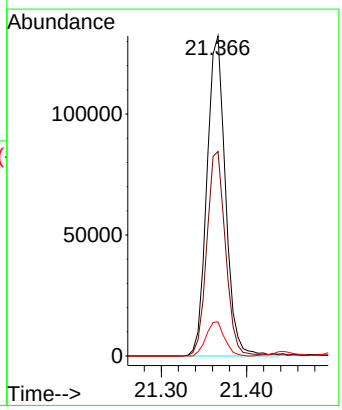
03/11/2025
Supervised By :Jagrut
Upadhyay



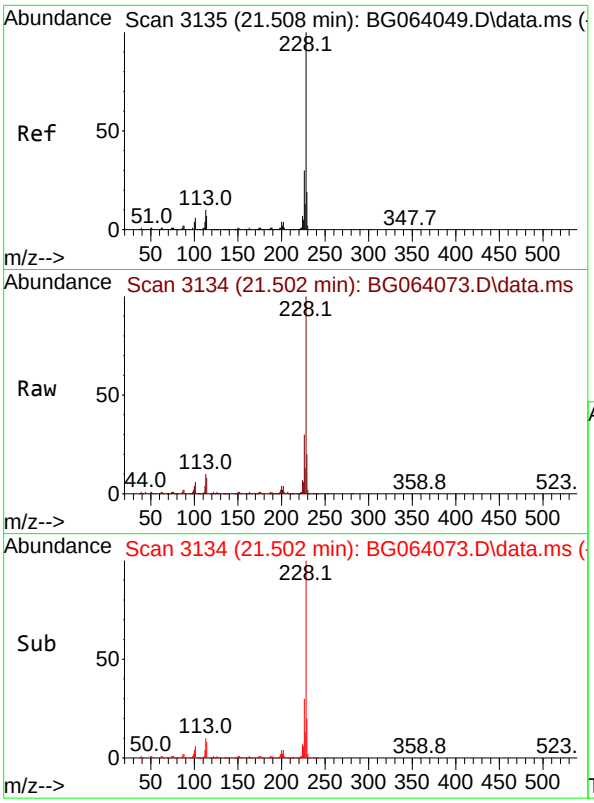
#82
3,3'-Dichlorobenzidine
Concen: 41.667 ng
RT: 21.366 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:252 Resp: 199778

Ion	Ratio	Lower	Upper
252	100		
254	63.9	52.1	78.1
126	10.6	7.8	11.8



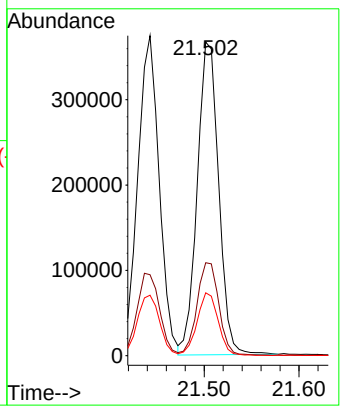
03/11/2025



#83
Chrysene
Concen: 38.999 ng
RT: 21.502 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:228 Resp: 57626

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	20.1	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

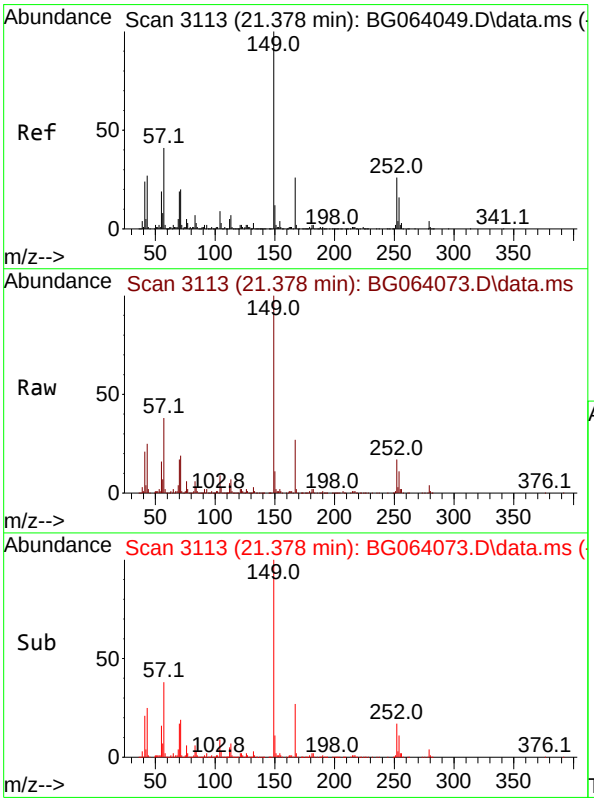
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Reviewed By :Anahy Claudio

03/11/2025

Supervised By :Jagrut Upadhyay

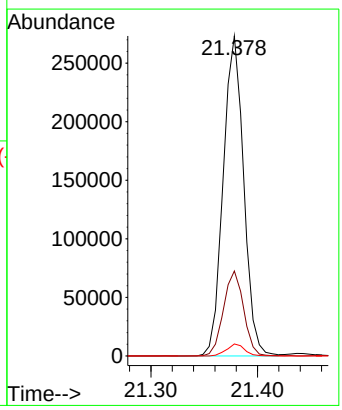
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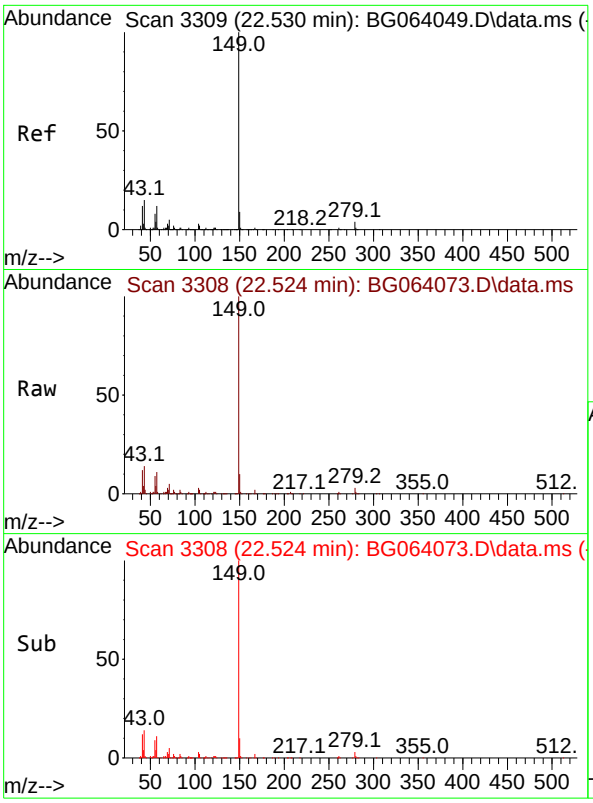


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.526 ng
RT: 21.378 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:149 Resp: 364766

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.0	31.6
279	3.7	2.8	4.2

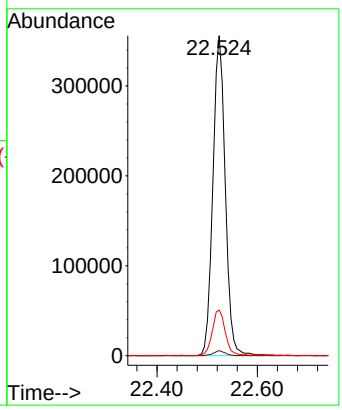




#85
Di-n-octyl phthalate
Concen: 43.975 ng
RT: 22.524 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:149 Resp: 60772

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	15.1	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

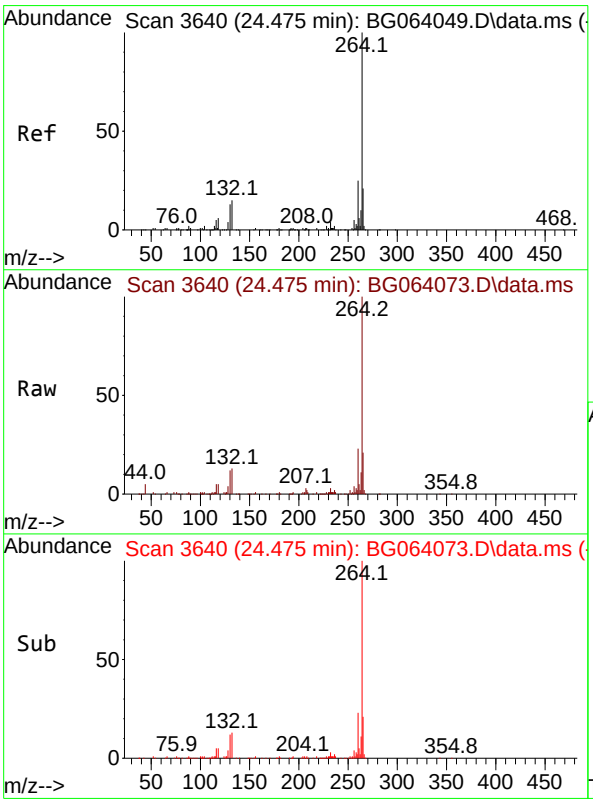
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Supervised By :Jagrut Upadhyay

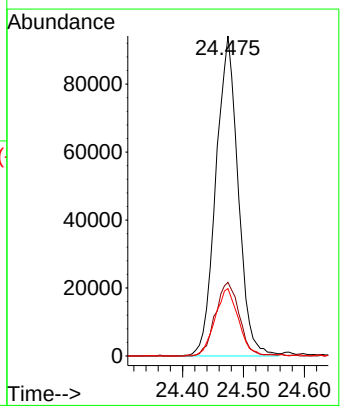
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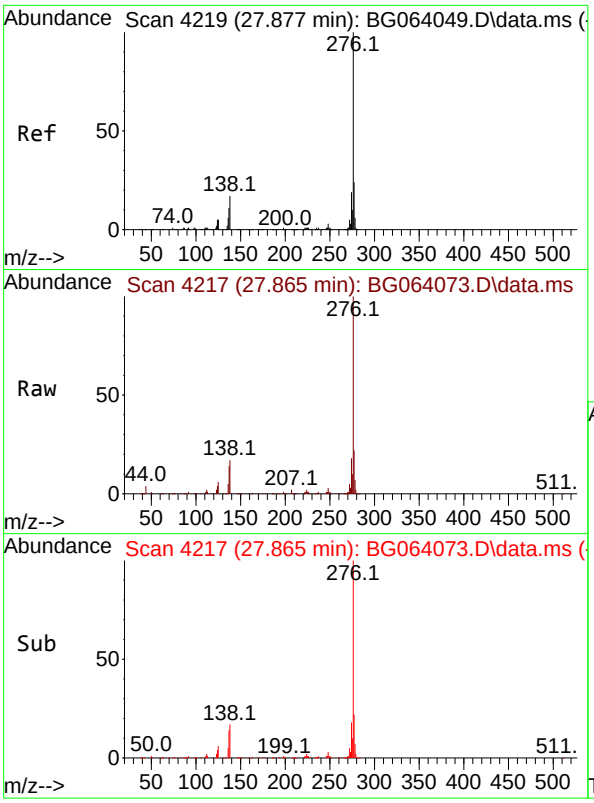


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.475 min Scan# 3640
Delta R.T. -0.000 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:264 Resp: 238878

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.6	29.4
265	21.1	16.6	25.0

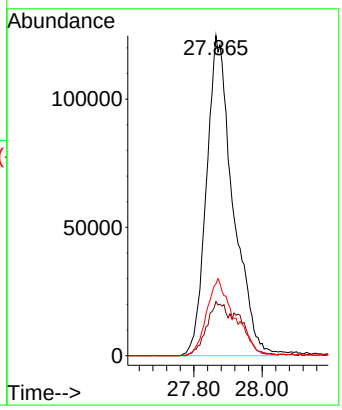




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.106 ng
RT: 27.865 min Scan# 4
Delta R.T. -0.012 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:276 Resp: 67297

Ion	Ratio	Lower	Upper
276	100		
138	12.4	12.1	18.1
277	25.3	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

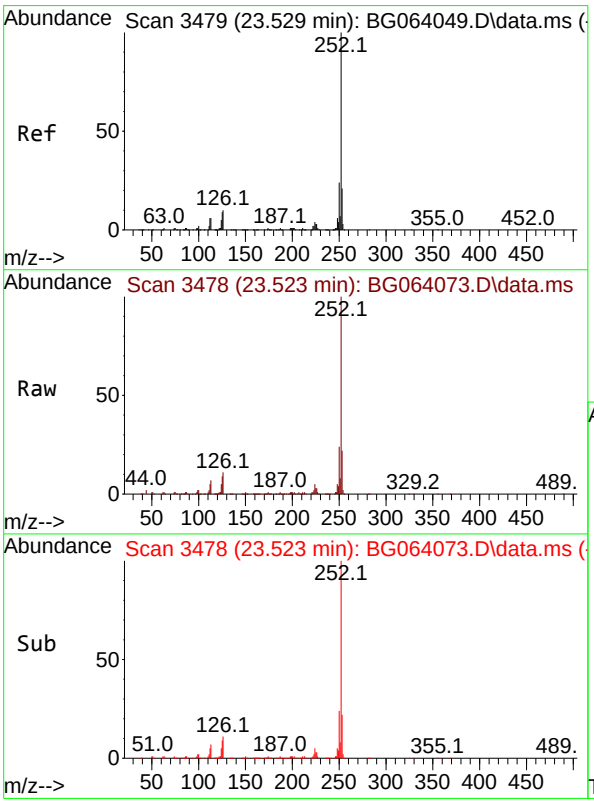
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Supervised By :Jagrut Upadhyay

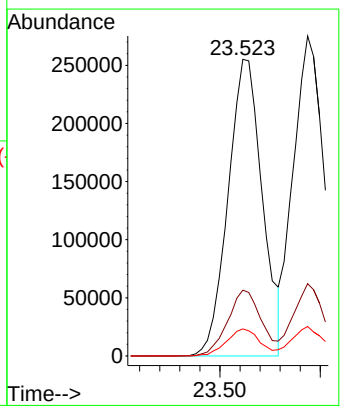
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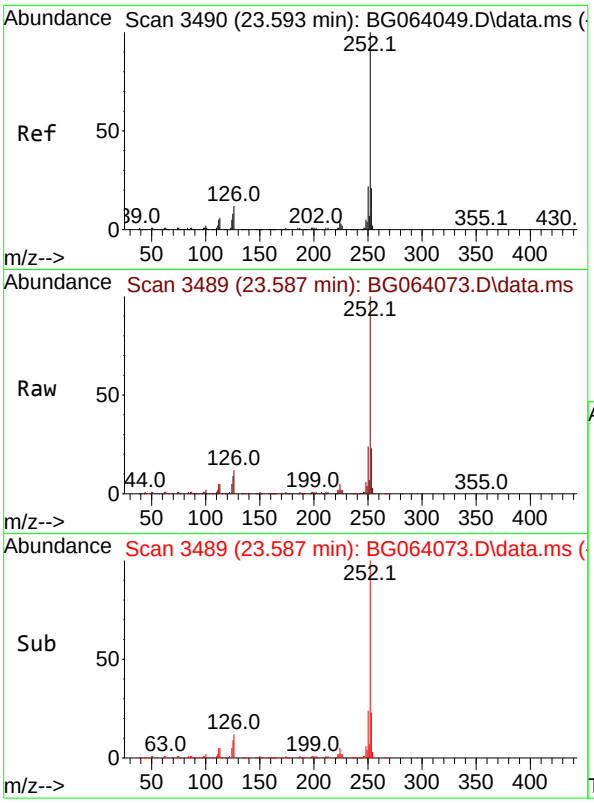


#88
Benzo(b)fluoranthene
Concen: 41.954 ng
RT: 23.523 min Scan# 3478
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:252 Resp: 605854

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.4
125	9.1	7.4	11.2

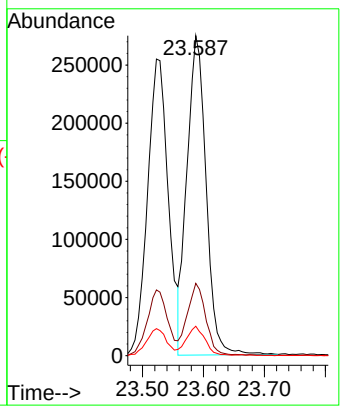




#89
Benzo(k)fluoranthene
Concen: 41.334 ng
RT: 23.587 min Scan# 34
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:252 Resp: 59882(

Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.8	25.2
125	9.2	6.9	10.3



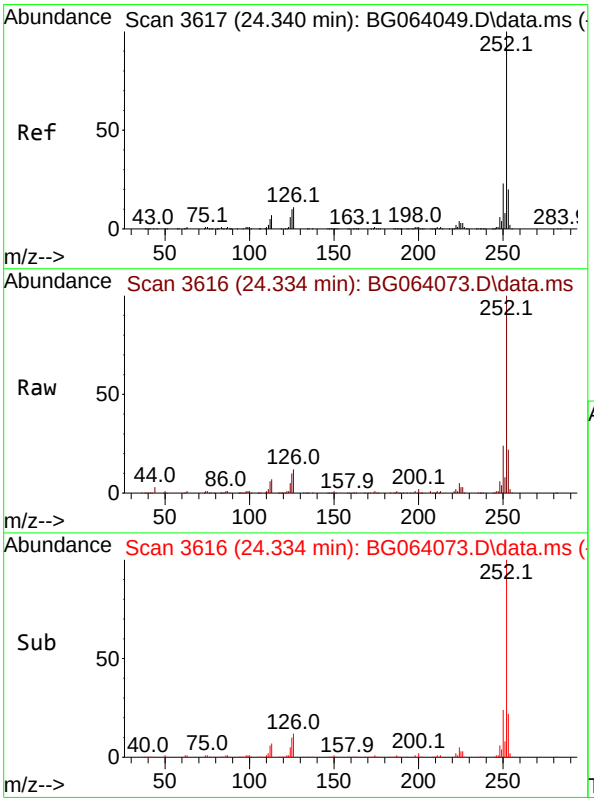
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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Upadhyay

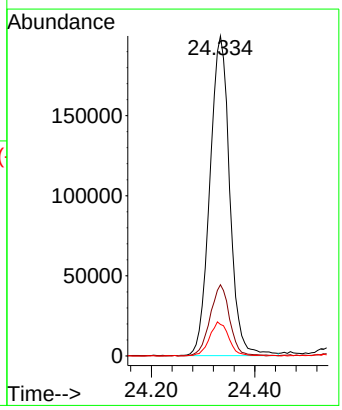
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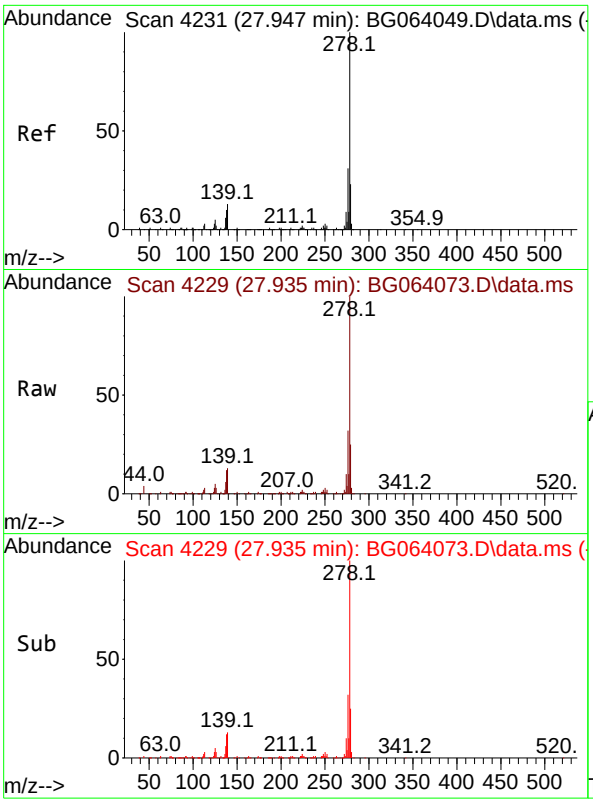


#90
Benzo(a)pyrene
Concen: 41.250 ng
RT: 24.334 min Scan# 3616
Delta R.T. -0.006 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:252 Resp: 530514

Ion	Ratio	Lower	Upper
252	100		
253	22.3	16.2	24.2
125	9.8	7.8	11.6

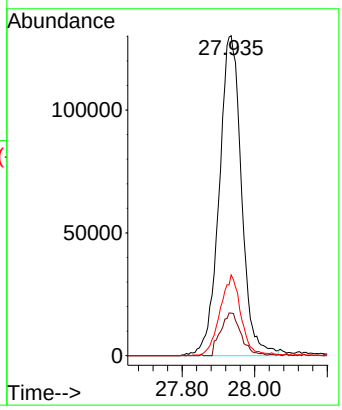




#91
Dibenzo(a,h)anthracene
Concen: 42.060 ng
RT: 27.935 min Scan# 4
Delta R.T. -0.012 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:278 Resp: 55731

Ion	Ratio	Lower	Upper
278	100		
139	13.3	10.2	15.2
279	25.3	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

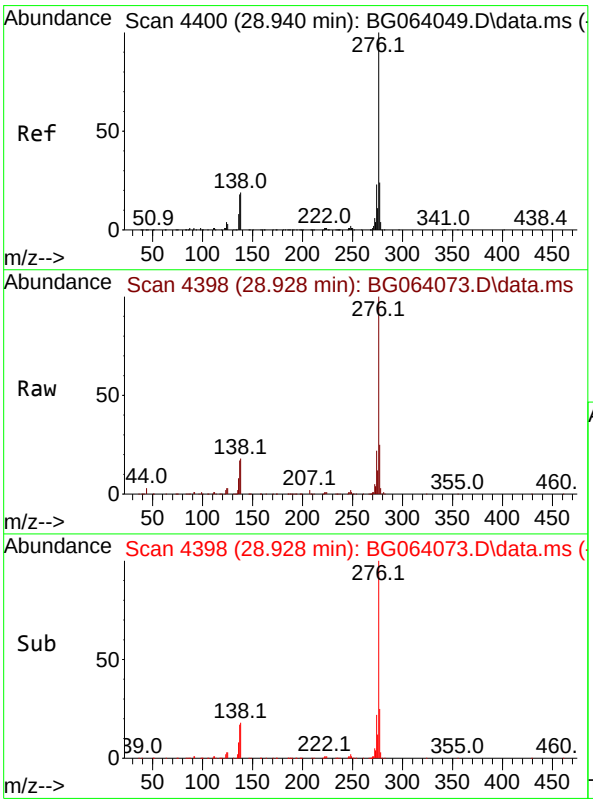
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Reviewed By :Anahy Claudio

03/11/2025

Supervised By :Jagrut Upadhyay

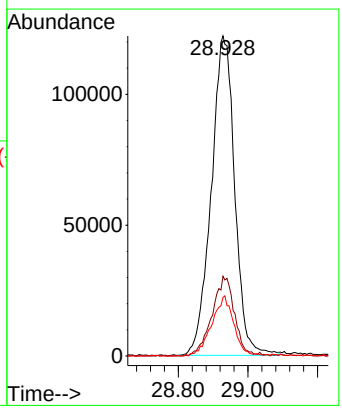
03/11/2025



#92
Benzo(g,h,i)perylene
Concen: 41.923 ng
RT: 28.928 min Scan# 4398
Delta R.T. -0.012 min
Lab File: BG064073.D
Acq: 10 Mar 2025 9:23

Tgt Ion:276 Resp: 570328

Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.5	29.3
138	18.3	15.4	23.0



Sample Results: **BG064073.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064073.D
Acq On : 10 Mar 2025 9:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Mar 10 10:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
2		1,4-Dioxane	0.580	0.607	-4.7	95	0.00
3		Pyridine	1.412	1.607	-13.8	93	0.00
4		n-Nitrosodimethylamine	1.009	1.204	-19.3	104	0.00
5	S	2-Fluorophenol	1.281	1.298	-1.3	88	0.00
6		Aniline	1.710	1.759	-2.9	88	0.00
7	S	Phenol-d6	1.742	1.787	-2.6	88	0.00
8		2-Chlorophenol	1.376	1.441	-4.7	91	0.00
9		Benzaldehyde	1.013	0.898	11.4	82	0.00
10	C	Phenol	1.784	1.836	-2.9	89	0.00
11		bis(2-Chloroethyl)ether	1.399	1.397	0.1	90	0.00
12		1,3-Dichlorobenzene	1.511	1.524	-0.9	90	0.00
13	C	1,4-Dichlorobenzene	1.548	1.559	-0.7	90	0.00
14		1,2-Dichlorobenzene	1.493	1.515	-1.5	91	0.00
15		Benzyl Alcohol	1.346	1.443	-7.2	92	0.00
16		2,2'-oxybis(1-Chloropropane	3.145	3.126	0.6	87	0.00
17		2-Methylphenol	1.184	1.244	-5.1	90	0.00
18		Hexachloroethane	0.542	0.570	-5.2	90	0.00
19	P	n-Nitroso-di-n-propylamine	1.223	1.234	-0.9	85	0.00
20		3+4-Methylphenols	1.630	1.707	-4.7	92	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	89	0.00
22		Acetophenone	0.548	0.558	-1.8	88	0.00
23	S	Nitrobenzene-d5	0.362	0.395	-9.1	91	0.00
24		Nitrobenzene	0.374	0.392	-4.8	87	0.00
25		Isophorone	0.724	0.703	2.9	84	0.00
26	C	2-Nitrophenol	0.112	0.136	-21.4#	99	0.00
27		2,4-Dimethylphenol	0.217	0.231	-6.5	90	0.00
28		bis(2-Chloroethoxy)methane	0.439	0.430	2.1	86	0.00
29	C	2,4-Dichlorophenol	0.274	0.299	-9.1	92	0.00
30		1,2,4-Trichlorobenzene	0.331	0.335	-1.2	89	0.00
31		Naphthalene	1.078	1.114	-3.3	92	0.00
32		Benzoic acid	0.170	0.185	-8.8	95	-0.01
33		4-Chloroaniline	0.394	0.410	-4.1	87	0.00
34	C	Hexachlorobutadiene	0.217	0.225	-3.7	91	0.00
35		Caprolactam	0.105	0.102	2.9	82	-0.01
36	C	4-Chloro-3-methylphenol	0.359	0.390	-8.6	93	0.00
37		2-Methylnaphthalene	0.761	0.812	-6.7	94	0.00
38		1-Methylnaphthalene	0.746	0.794	-6.4	93	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	89	0.00
40		1,2,4,5-Tetrachlorobenzene	0.571	0.599	-4.9	91	0.00
41	P	Hexachlorocyclopentadiene	0.161	0.187	-16.1	95	0.00
42	S	2,4,6-Tribromophenol	0.222	0.242	-9.0	90	0.00
43	C	2,4,6-Trichlorophenol	0.337	0.387	-14.8	96	0.00
44		2,4,5-Trichlorophenol	0.374	0.424	-13.4	93	0.00
45	S	2-Fluorobiphenyl	1.318	1.399	-6.1	91	0.00
46		1,1'-Biphenyl	1.511	1.614	-6.8	94	0.00
47		2-Chloronaphthalene	1.102	1.153	-4.6	91	0.00

Sample Results: **BG064073.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064073.D
Acq On : 10 Mar 2025 9:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Mar 10 10:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.318	0.374	-17.6	96	0.00
49		Acenaphthylene	1.743	1.789	-2.6	89	0.00
50		Dimethylphthalate	1.476	1.457	1.3	85	0.00
51		2,6-Dinitrotoluene	0.261	0.291	-11.5	89	0.00
52	C	Acenaphthene	1.170	1.185	-1.3	89	0.00
53		3-Nitroaniline	0.285	0.297	-4.2	84	0.00
54	P	2,4-Dinitrophenol	0.102	0.097	4.9	86	0.00
55		Dibenzofuran	1.895	1.915	-1.1	88	0.00
56	P	4-Nitrophenol	0.239	0.239	0.0	83	0.00
57		2,4-Dinitrotoluene	0.357	0.406	-13.7	90	0.00
58		Fluorene	1.476	1.472	0.3	89	0.00
59		2,3,4,6-Tetrachlorophenol	0.365	0.398	-9.0	90	0.00
60		Diethylphthalate	1.603	1.603	0.0	86	0.00
61		4-Chlorophenyl-phenylether	0.733	0.719	1.9	87	0.00
62		4-Nitroaniline	0.308	0.322	-4.5	83	0.00
63		Azobenzene	1.710	1.684	1.5	85	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65		4,6-Dinitro-2-methylphenol	0.076	0.083	-9.2	93	0.00
66	c	n-Nitrosodiphenylamine	0.566	0.600	-6.0	87	0.00
67		4-Bromophenyl-phenylether	0.205	0.214	-4.4	86	0.00
68		Hexachlorobenzene	0.229	0.240	-4.8	88	0.00
69		Atrazine	0.167	0.143	14.4	75	0.00
70	C	Pentachlorophenol	0.142	0.148	-4.2	84	0.00
71		Phenanthrene	1.067	1.097	-2.8	86	0.00
72		Anthracene	1.061	1.110	-4.6	86	0.00
73		Carbazole	0.990	1.019	-2.9	84	0.00
74		Di-n-butylphthalate	1.166	1.249	-7.1	84	0.00
75	C	Fluoranthene	1.286	1.307	-1.6	84	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	85	0.00
77		Benzidine	0.277	0.441	-59.2#	119	0.00
78		Pyrene	1.289	1.273	1.2	82	0.00
79	S	Terphenyl-d14	0.989	0.972	1.7	82	0.00
80		Butylbenzylphthalate	0.423	0.499	-18.0	91	0.00
81		Benzo(a)anthracene	1.281	1.284	-0.2	84	0.00
82		3,3'-Dichlorobenzidine	0.415	0.432	-4.1	81	0.00
83		Chrysene	1.278	1.246	2.5	81	0.00
84		Bis(2-ethylhexyl)phthalate	0.693	0.789	-13.9	88	0.00
85	c	Di-n-octyl phthalate	1.195	1.314	-10.0	90	0.00
86	I	Perylene-d12	1.000	1.000	0.0	82	0.00
87		Indeno(1,2,3-cd)pyrene	1.338	1.409	-5.3	84	-0.01
88		Benzo(b)fluoranthene	1.209	1.268	-4.9	86	0.00
89		Benzo(k)fluoranthene	1.213	1.253	-3.3	82	0.00
90	C	Benzo(a)pyrene	1.077	1.110	-3.1	83	0.00
91		Dibenzo(a,h)anthracene	1.109	1.167	-5.2	85	-0.01
92		Benzo(g,h,i)perylene	1.139	1.194	-4.8	85	-0.01

Sample Results: **BG064073.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064073.D
Acq On : 10 Mar 2025 9:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Mar 10 10:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BG064073.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064073.D
Acq On : 10 Mar 2025 9:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Mar 10 10:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	92	0.00
2		1,4-Dioxane	40.000	41.810	-4.5	95	0.00
3		Pyridine	40.000	45.540	-13.8	93	0.00
4		n-Nitrosodimethylamine	40.000	47.738	-19.3	104	0.00
5	S	2-Fluorophenol	80.000	81.064	-1.3	88	0.00
6		Aniline	40.000	41.139	-2.8	88	0.00
7	S	Phenol-d6	80.000	82.061	-2.6	88	0.00
8		2-Chlorophenol	40.000	41.895	-4.7	91	0.00
9		Benzaldehyde	40.000	35.455	11.4	82	0.00
10	C	Phenol	40.000	41.155	-2.9	89	0.00
11		bis(2-Chloroethyl)ether	40.000	39.957	0.1	90	0.00
12		1,3-Dichlorobenzene	40.000	40.352	-0.9	90	0.00
13	C	1,4-Dichlorobenzene	40.000	40.278	-0.7	90	0.00
14		1,2-Dichlorobenzene	40.000	40.582	-1.5	91	0.00
15		Benzyl Alcohol	40.000	42.874	-7.2	92	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.759	0.6	87	0.00
17		2-Methylphenol	40.000	42.021	-5.1	90	0.00
18		Hexachloroethane	40.000	42.121	-5.3	90	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.358	-0.9	85	0.00
20		3+4-Methylphenols	40.000	41.891	-4.7	92	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	89	0.00
22		Acetophenone	40.000	40.725	-1.8	88	0.00
23	S	Nitrobenzene-d5	80.000	87.358	-9.2	91	0.00
24		Nitrobenzene	40.000	41.870	-4.7	87	0.00
25		Isophorone	40.000	38.795	3.0	84	0.00
26	C	2-Nitrophenol	40.000	43.114	-7.8	99	0.00
27		2,4-Dimethylphenol	40.000	42.535	-6.3	90	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.176	2.1	86	0.00
29	C	2,4-Dichlorophenol	40.000	43.641	-9.1	92	0.00
30		1,2,4-Trichlorobenzene	40.000	40.480	-1.2	89	0.00
31		Naphthalene	40.000	41.336	-3.3	92	0.00
32		Benzoic acid	40.000	39.087	2.3	95	-0.01
33		4-Chloroaniline	40.000	41.579	-3.9	87	0.00
34	C	Hexachlorobutadiene	40.000	41.454	-3.6	91	0.00
35		Caprolactam	40.000	38.729	3.2	82	-0.01
36	C	4-Chloro-3-methylphenol	40.000	43.347	-8.4	93	0.00
37		2-Methylnaphthalene	40.000	42.662	-6.7	94	0.00
38		1-Methylnaphthalene	40.000	42.577	-6.4	93	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	89	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.997	-5.0	91	0.00
41	P	Hexachlorocyclopentadiene	40.000	46.533	-16.3	95	0.00
42	S	2,4,6-Tribromophenol	80.000	87.204	-9.0	90	0.00
43	C	2,4,6-Trichlorophenol	40.000	45.994	-15.0	96	0.00
44		2,4,5-Trichlorophenol	40.000	45.380	-13.5	93	0.00
45	S	2-Fluorobiphenyl	80.000	84.928	-6.2	91	0.00
46		1,1'-Biphenyl	40.000	42.739	-6.8	94	0.00
47		2-Chloronaphthalene	40.000	41.853	-4.6	91	0.00

Sample Results: **BG064073.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064073.D
Acq On : 10 Mar 2025 9:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Mar 10 10:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.053	-5.1	96	0.00
49		Acenaphthylene	40.000	41.061	-2.7	89	0.00
50		Dimethylphthalate	40.000	39.481	1.3	85	0.00
51		2,6-Dinitrotoluene	40.000	39.535	1.2	89	0.00
52	C	Acenaphthene	40.000	40.535	-1.3	89	0.00
53		3-Nitroaniline	40.000	41.682	-4.2	84	0.00
54	P	2,4-Dinitrophenol	40.000	35.836	10.4	86	0.00
55		Dibenzofuran	40.000	40.413	-1.0	88	0.00
56	P	4-Nitrophenol	40.000	39.920	0.2	83	0.00
57		2,4-Dinitrotoluene	40.000	39.981	0.0	90	0.00
58		Fluorene	40.000	39.896	0.3	89	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	43.692	-9.2	90	0.00
60		Diethylphthalate	40.000	40.007	-0.0	86	0.00
61		4-Chlorophenyl-phenylether	40.000	39.213	2.0	87	0.00
62		4-Nitroaniline	40.000	41.807	-4.5	83	0.00
63		Azobenzene	40.000	39.392	1.5	85	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.895	0.3	93	0.00
66	c	n-Nitrosodiphenylamine	40.000	42.426	-6.1	87	0.00
67		4-Bromophenyl-phenylether	40.000	41.817	-4.5	86	0.00
68		Hexachlorobenzene	40.000	41.786	-4.5	88	0.00
69		Atrazine	40.000	34.275	14.3	75	0.00
70	C	Pentachlorophenol	40.000	41.654	-4.1	84	0.00
71		Phenanthrene	40.000	41.144	-2.9	86	0.00
72		Anthracene	40.000	41.849	-4.6	86	0.00
73		Carbazole	40.000	41.162	-2.9	84	0.00
74		Di-n-butylphthalate	40.000	42.868	-7.2	84	0.00
75	C	Fluoranthene	40.000	40.646	-1.6	84	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	85	0.00
77		Benzidine	40.000	63.633	-59.1#	119	0.00
78		Pyrene	40.000	39.505	1.2	82	0.00
79	S	Terphenyl-d14	80.000	78.583	1.8	82	0.00
80		Butylbenzylphthalate	40.000	41.755	-4.4	91	0.00
81		Benzo(a)anthracene	40.000	40.085	-0.2	84	0.00
82		3,3'-Dichlorobenzidine	40.000	41.667	-4.2	81	0.00
83		Chrysene	40.000	38.999	2.5	81	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.526	-13.8	88	0.00
85	c	Di-n-octyl phthalate	40.000	43.975	-9.9	90	0.00
86	I	Perylene-d12	20.000	20.000	0.0	82	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.106	-5.3	84	-0.01
88		Benzo(b)fluoranthene	40.000	41.954	-4.9	86	0.00
89		Benzo(k)fluoranthene	40.000	41.334	-3.3	82	0.00
90	C	Benzo(a)pyrene	40.000	41.250	-3.1	83	0.00
91		Dibenzo(a,h)anthracene	40.000	42.060	-5.2	85	-0.01
92		Benzo(g,h,i)perylene	40.000	41.923	-4.8	85	-0.01

Sample Results: **BG064073.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064073.D
Acq On : 10 Mar 2025 9:23
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Mar 10 10:59:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

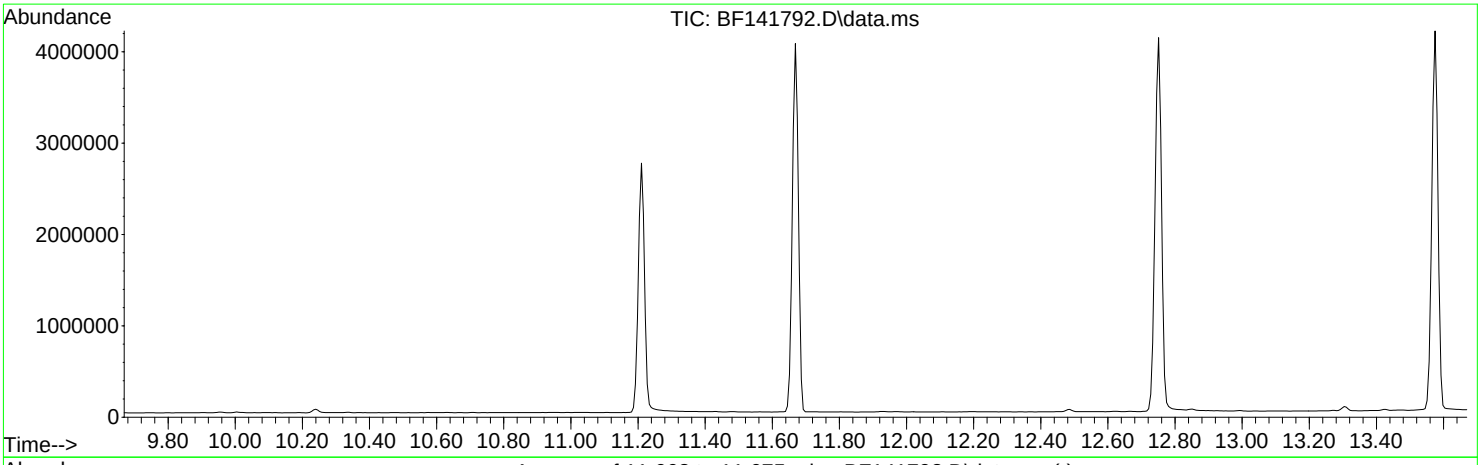
Sample Results: **BF141792.D**

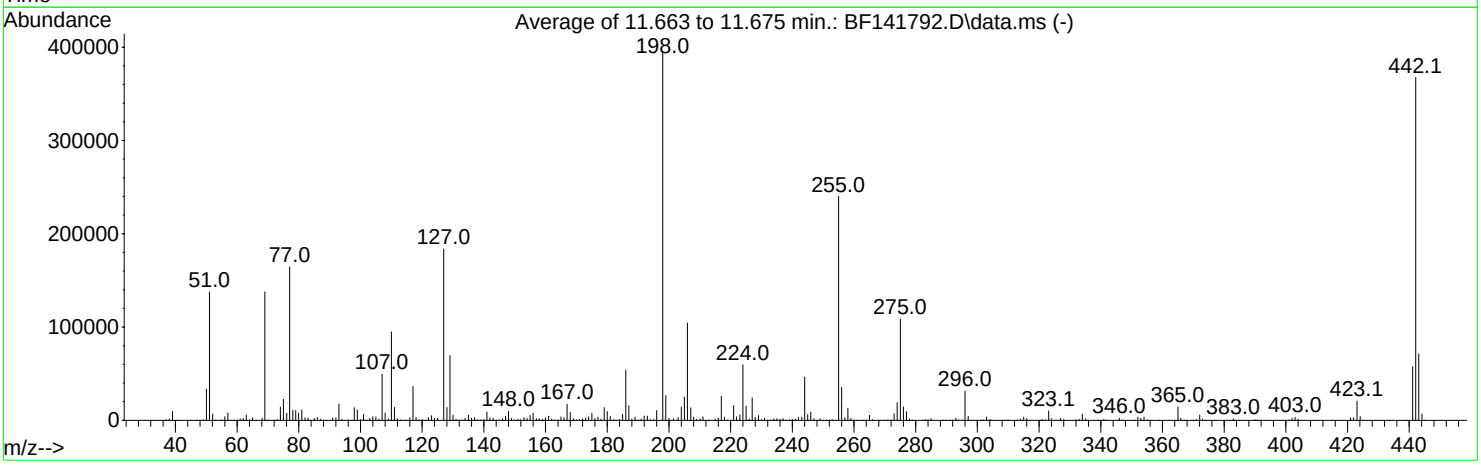
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Data File : BF141792.D
Acq On : 27 Feb 2025 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Feb 28 01:48:16 2025





AutoFind: Scans 1627, 1628, 1629; Background Corrected with Scan 1620

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	34.9	137699	PASS
68	69	0.00	2	1.7	2348	PASS
69	198	0.00	100	34.9	137773	PASS
70	69	0.00	2	0.4	593	PASS
127	198	10	80	46.5	183483	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	394304	PASS
199	198	5	9	6.7	26613	PASS
275	198	10	60	27.6	108637	PASS
365	198	1	100	3.7	14499	PASS
441	198	0.01	100	14.6	57517	PASS
442	442	50	100	100.0	367680	PASS
443	442	15	24	19.4	71267	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
2/27/2025	BNA_F	BF141792.D
Compound Name	**Response**	**Retention Time**
DDT	938485	13.575
DDD	9936	13.304
DDE	0	12.827
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
9936	948421	1.05

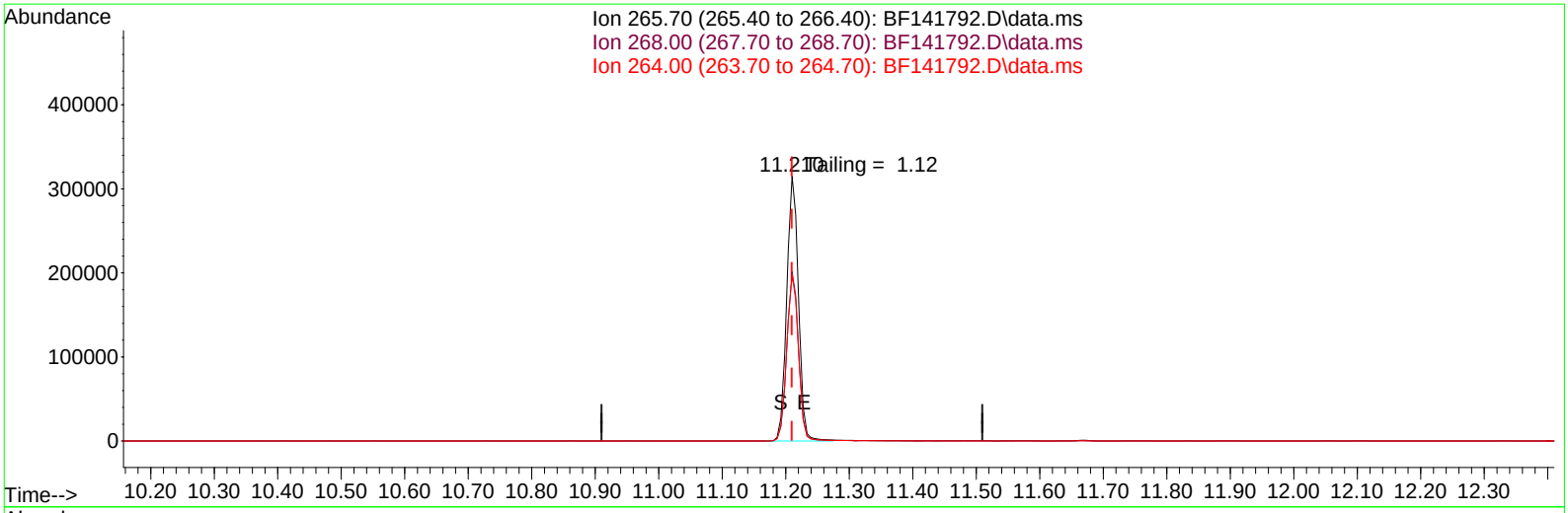
Instrument :
BNA_F
ClientSampleId :
DFTPP

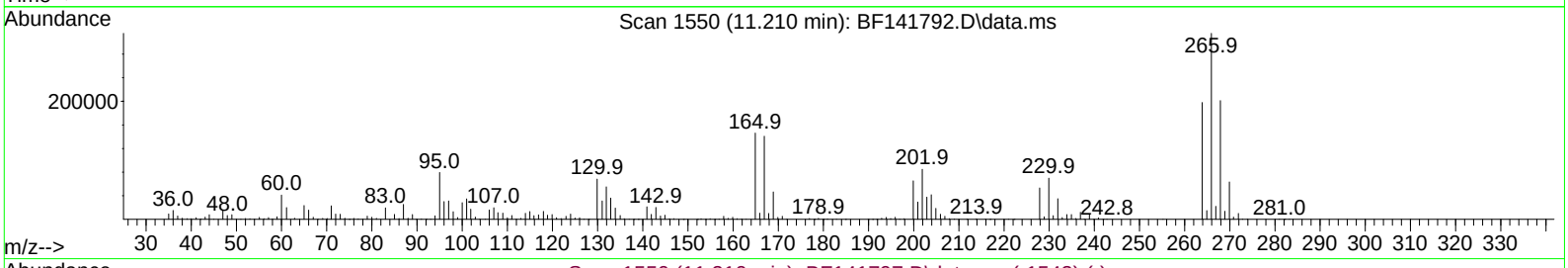
Sample Results: **BF141792.D**

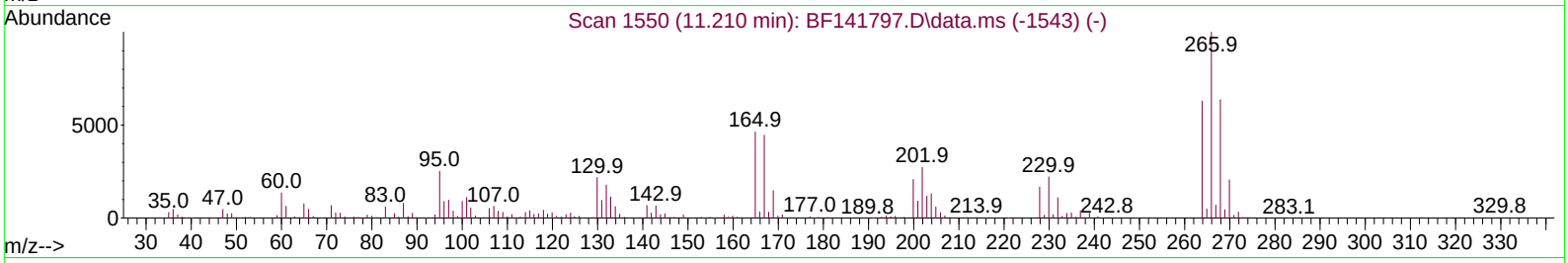
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141792.D
Acq On : 27 Feb 2025 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 28 01:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration







TIC: BF141792.D\data.ms

(70) Pentachlorophenol (C)

11.210min (-0.000) 55299.21 ng

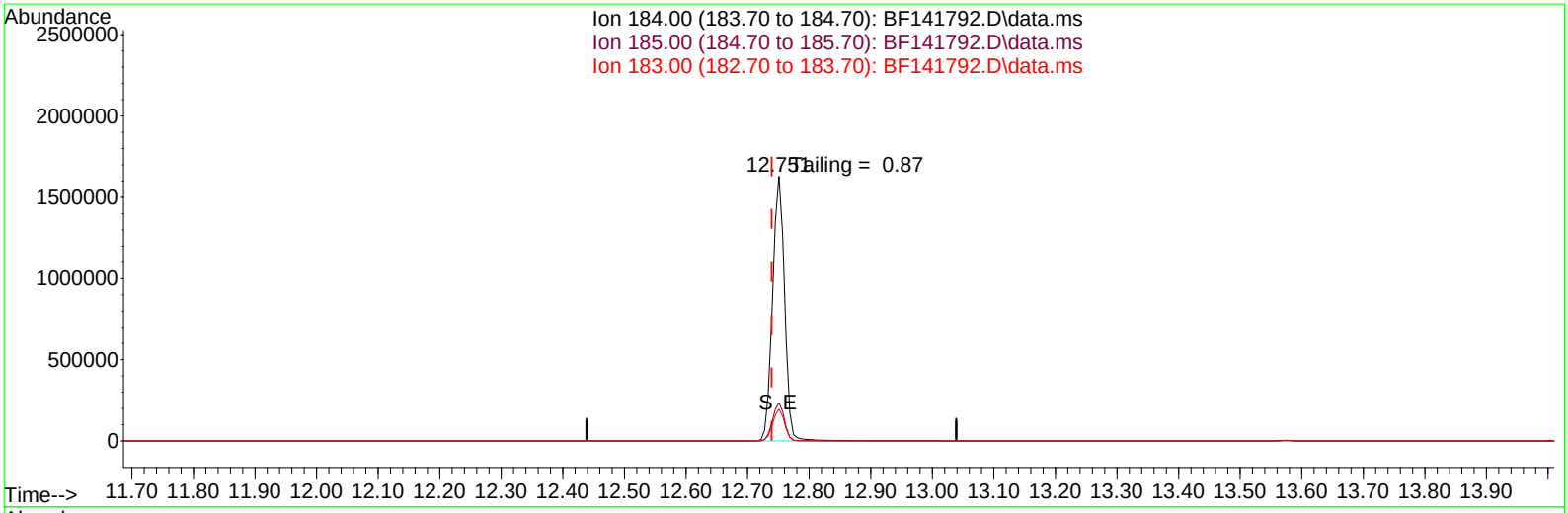
response 409665

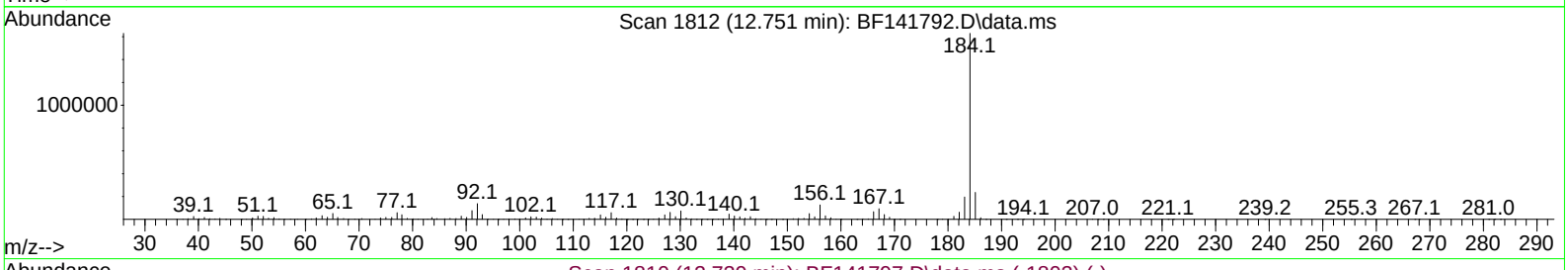
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.60	63.84
264.00	62.80	62.85
0.00	0.00	0.00

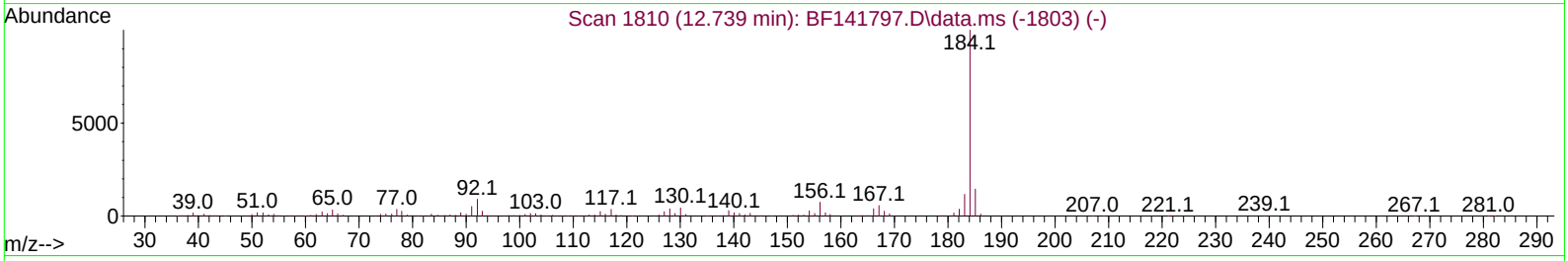
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022725\
Data File : BF141792.D
Acq On : 27 Feb 2025 14:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Feb 28 01:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration







TIC: BF141792.D\data.ms

(77) Benzidine

12.751min (+ 0.012) 190021.56 ng

response 2231445

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.44
183.00	11.70	11.98
0.00	0.00	0.00

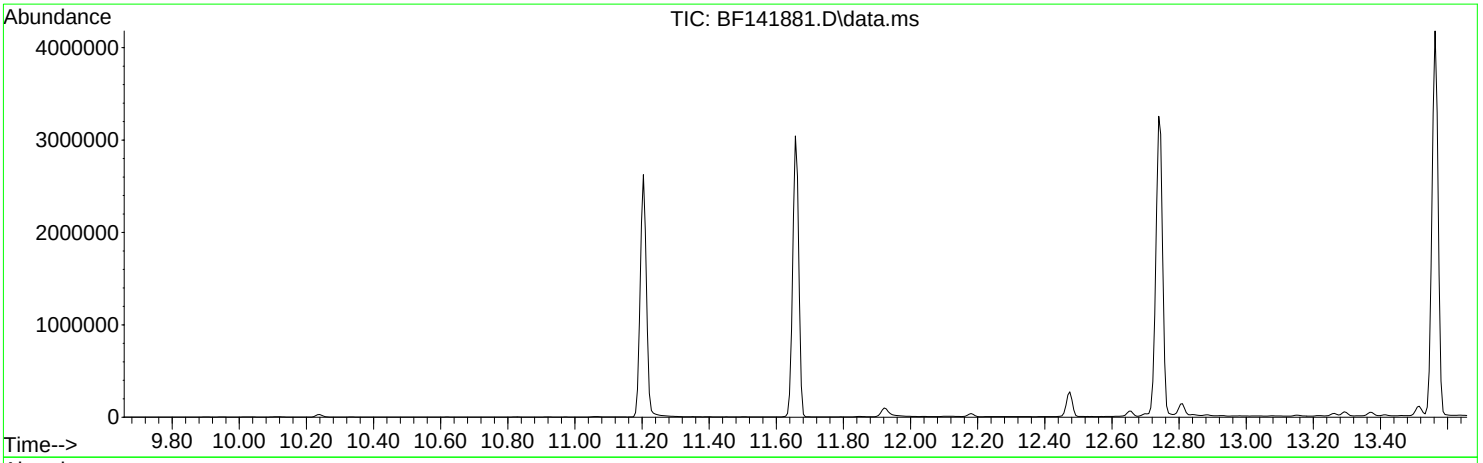
Sample Results: **BF141881.D**

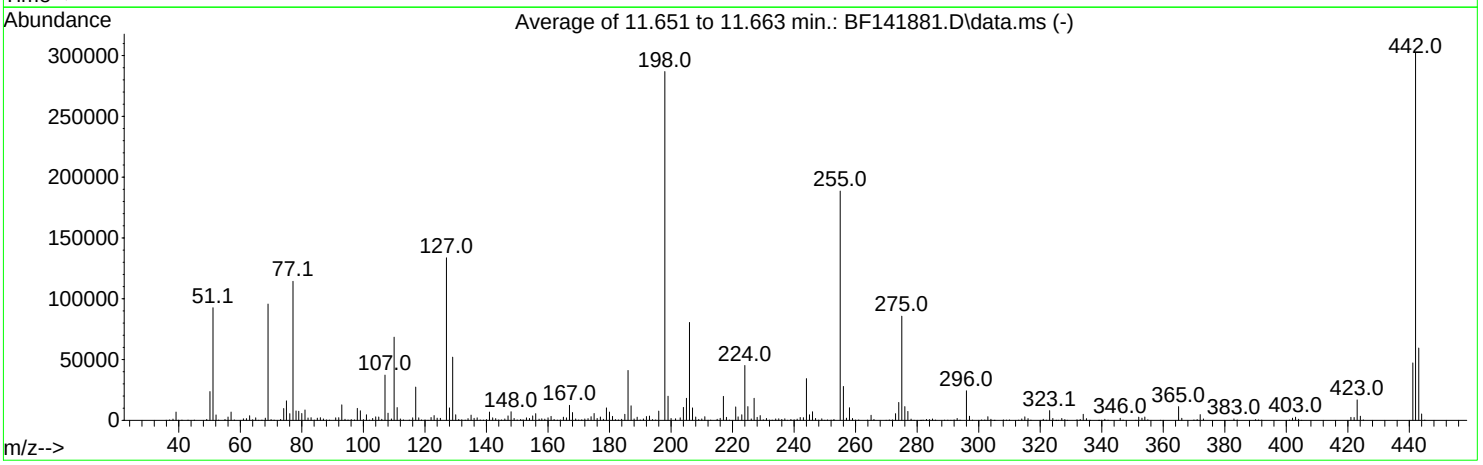
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141881.D
Acq On : 07 Mar 2025 08:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Feb 28 01:48:16 2025





AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1618

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.3	92640	PASS
68	69	0.00	2	2.0	1892	PASS
69	198	0.00	100	33.4	95707	PASS
70	69	0.00	2	0.8	730	PASS
127	198	10	80	46.6	133723	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	286869	PASS
199	198	5	9	6.9	19893	PASS
275	198	10	60	29.9	85757	PASS
365	198	1	100	4.0	11387	PASS
441	198	0.01	100	16.5	47280	PASS
442	442	50	100	100.0	302571	PASS
443	442	15	24	19.7	59485	PASS

DDT Breakdown

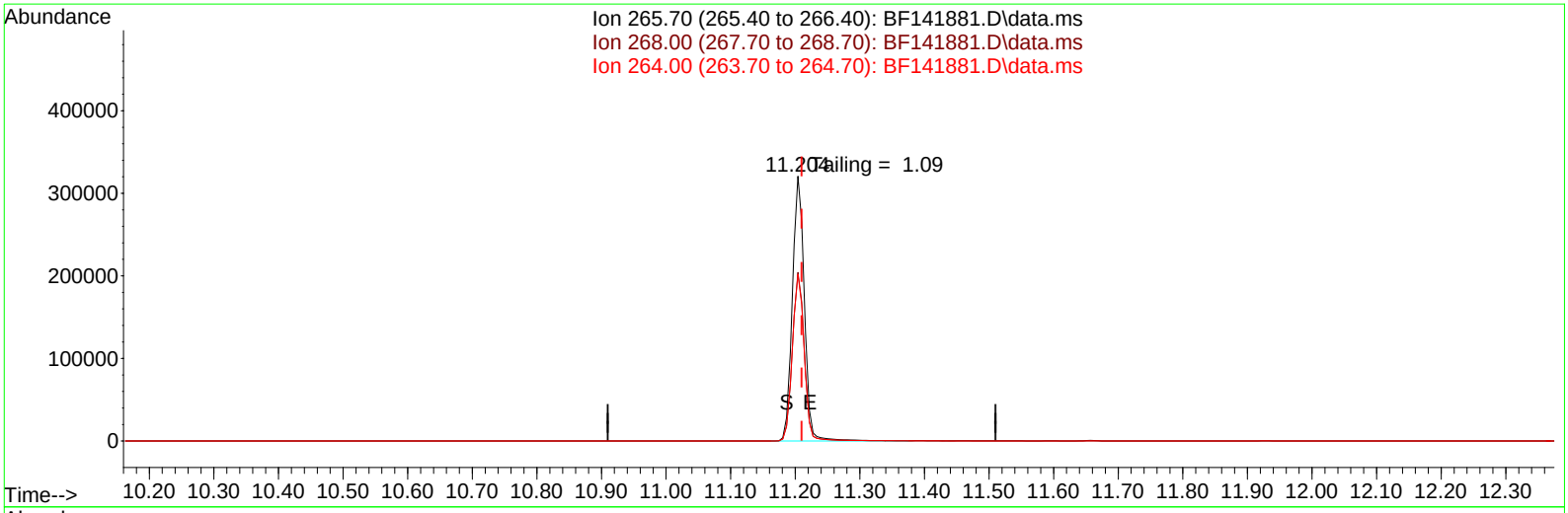
Date	Instrument Name	DFTPP Data File
3/7/2025	BNA_F	BF141881.D
Compound Name	**Response**	**Retention Time**
DDT	1053294	13.563
DDD	17562	13.292
DDE	1240	12.927
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
18802	1072096	1.75

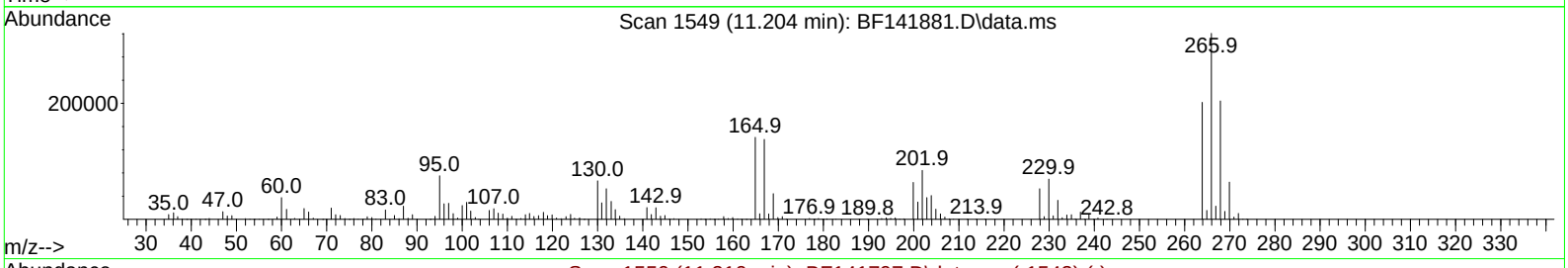
Instrument :
BNA_F
ClientSampleId :
DFTPP

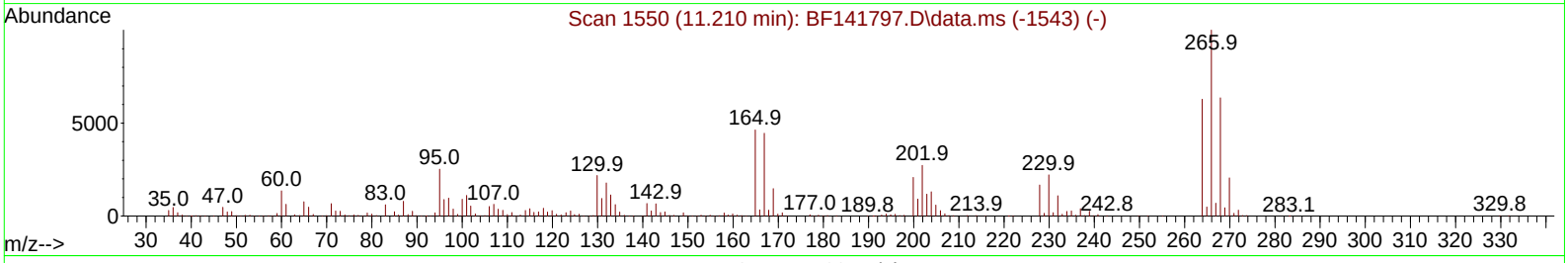
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141881.D
Acq On : 07 Mar 2025 08:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 07 09:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration







TIC: BF141881.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.006) 136401.80 ng

response 416145

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.60	63.68
264.00	62.80	62.88
0.00	0.00	0.00

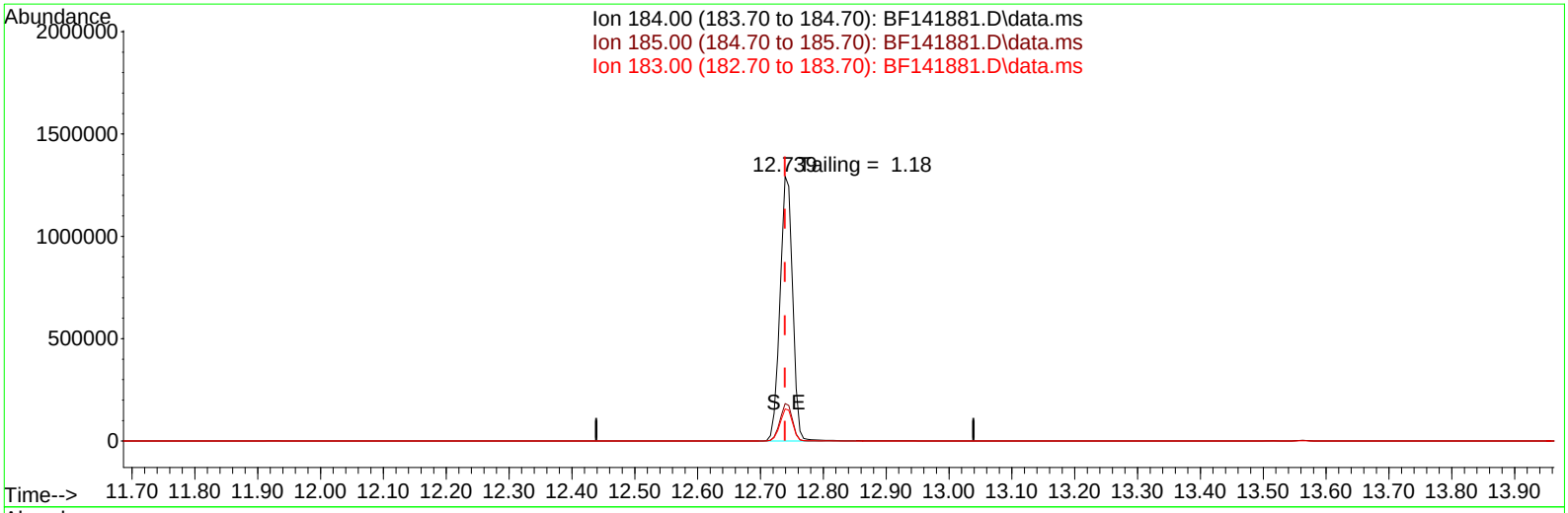
Quantitation Report (Qedit)

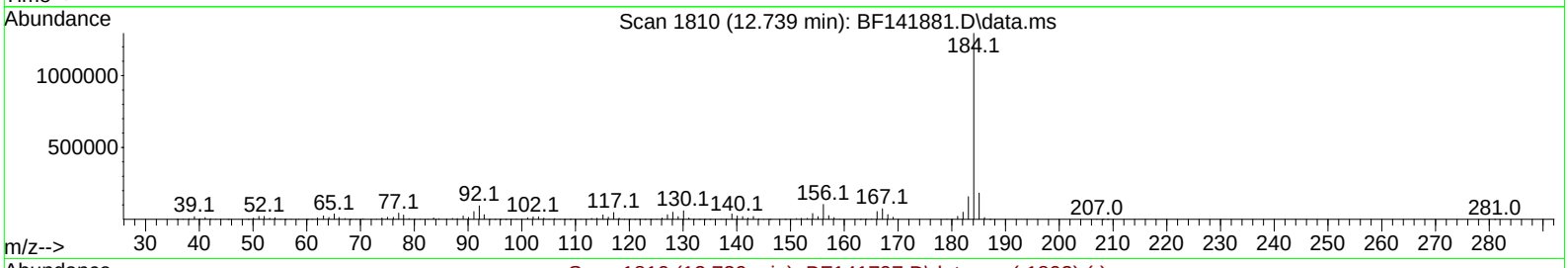
Sample Results: **BF141881.D**

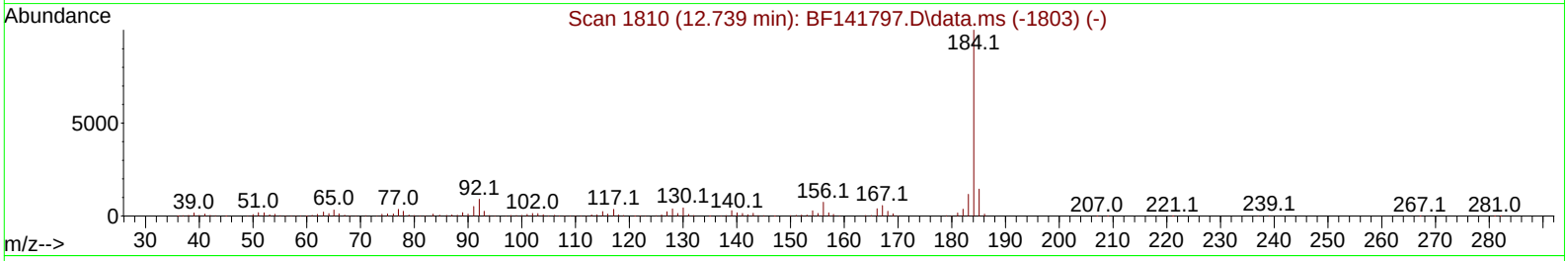
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141881.D
Acq On : 07 Mar 2025 08:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 07 09:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration







TIC: BF141881.D\data.ms

(77) Benzidine

12.739min (+ 0.000) 161104.25 ng

response 1816840

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.17
183.00	11.70	12.15
0.00	0.00	0.00

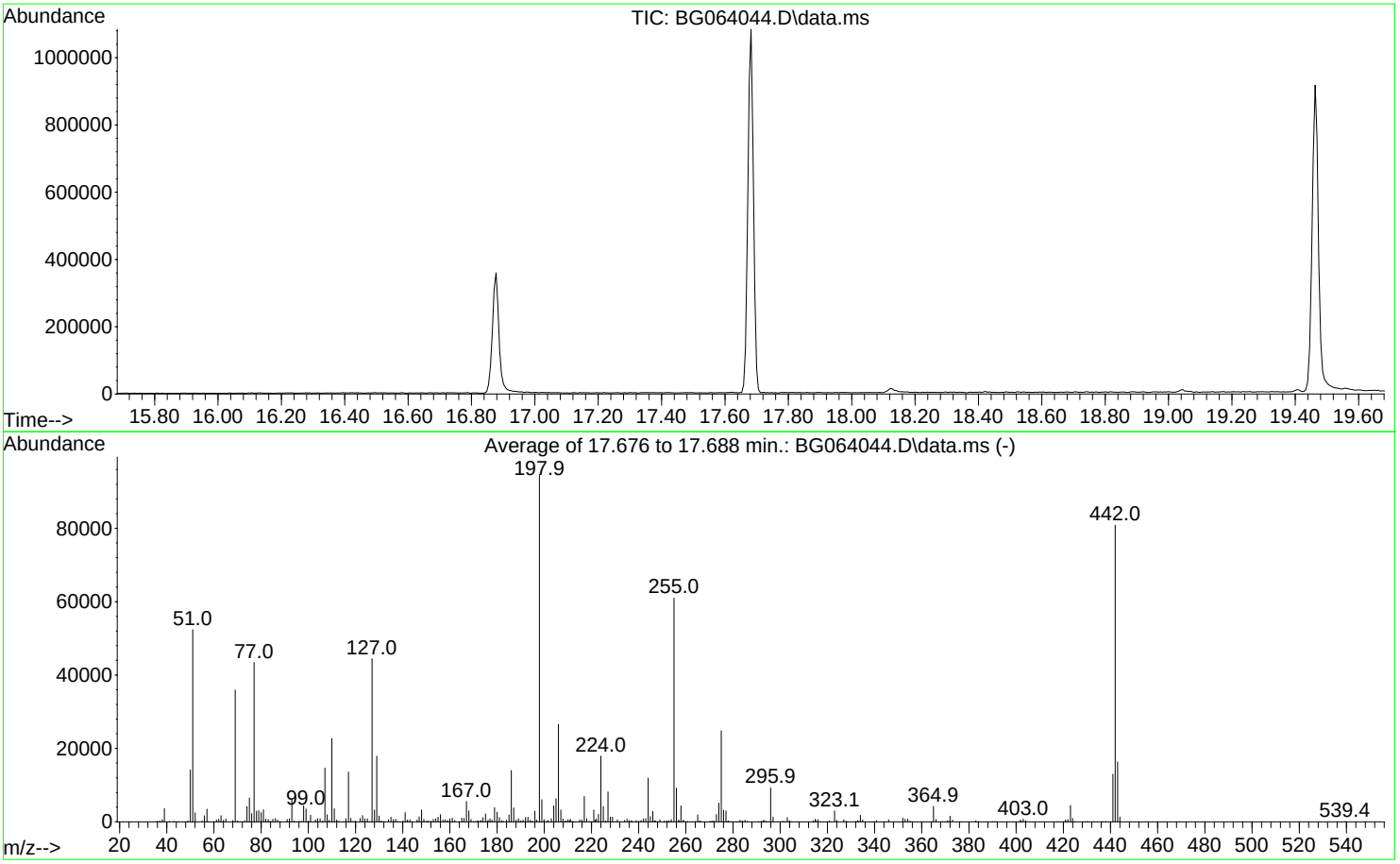
Sample Results: **BG064044.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064044.D
Acq On : 5 Mar 2025 8:15
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Mar 05 15:39:19 2025



AutoFind: Scans 2483, 2484, 2485; Background Corrected with Scan 2476

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	55.3	52392	PASS
68	69	0.00	2	1.1	386	PASS
69	198	0.00	100	38.0	35944	PASS
70	69	0.00	2	0.5	177	PASS
127	198	10	80	47.0	44448	PASS
197	198	0.00	2	0.6	541	PASS
198	198	100	100	100.0	94661	PASS
199	198	5	9	6.4	6065	PASS
275	198	10	60	26.2	24824	PASS
365	198	1	100	4.5	4228	PASS
441	198	0.01	100	13.7	12975	PASS
442	442	50	100	100.0	80851	PASS
443	442	15	24	20.2	16317	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/5/2025	BNA_G	BG064044.D
Compound Name	**Response**	**Retention Time**
DDT	173171	20.702
DDD	5056	20.256
DDE	59	19.762
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
5115	178286	2.87

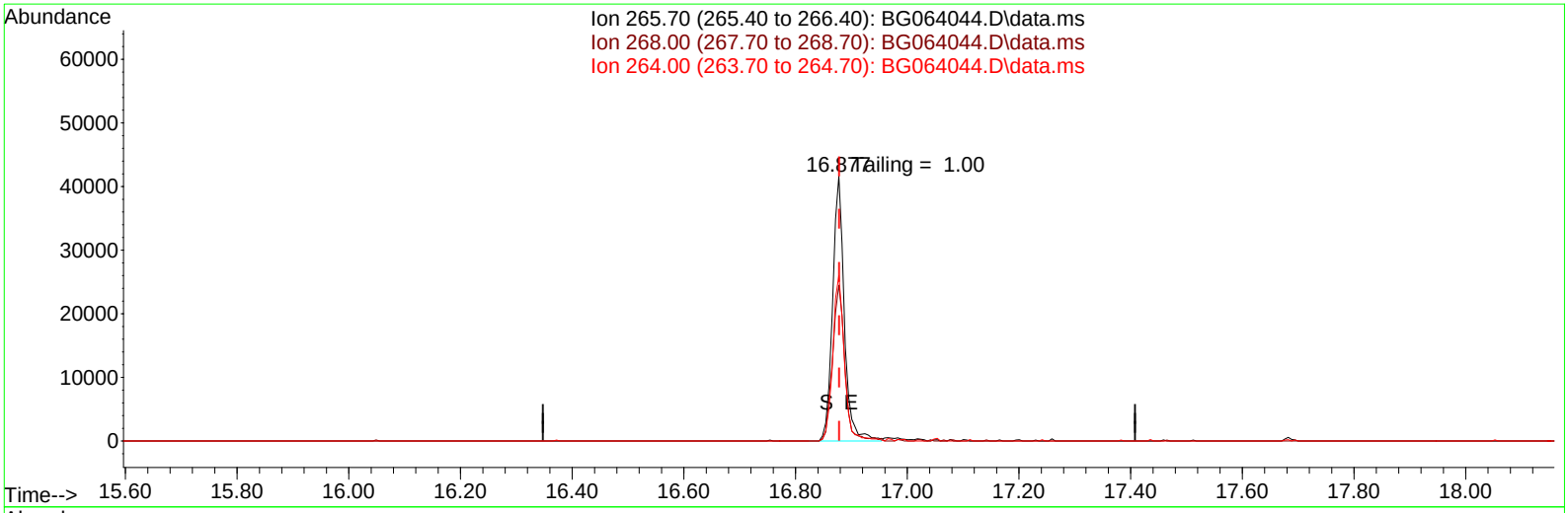
Instrument :
BNA_G
ClientSampleId :
DFTPP

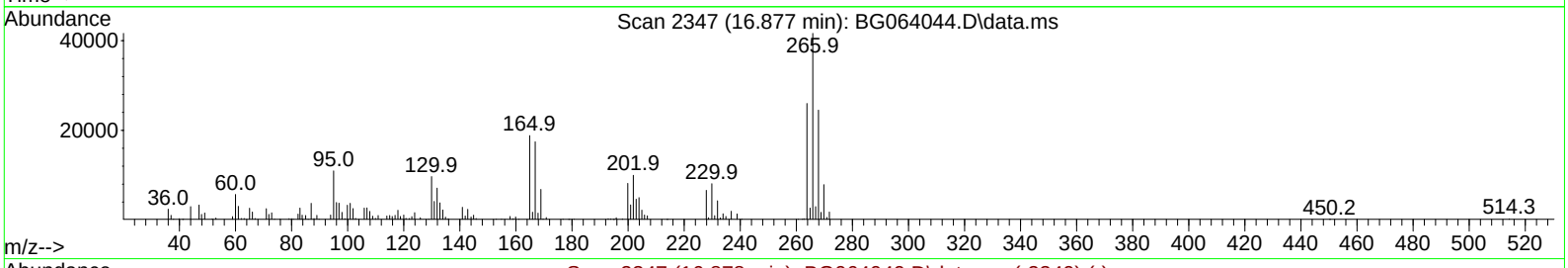
Sample Results: **BG064044.D**

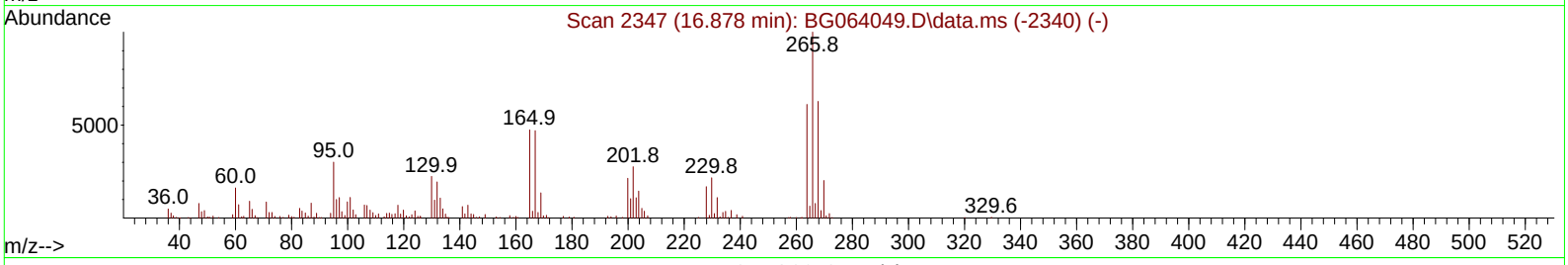
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064044.D
Acq On : 5 Mar 2025 8:15
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Mar 05 15:40:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration







TIC: BG064044.D\data.ms

(70) Pentachlorophenol (C)

16.877min (-0.001) 14067.66 ng

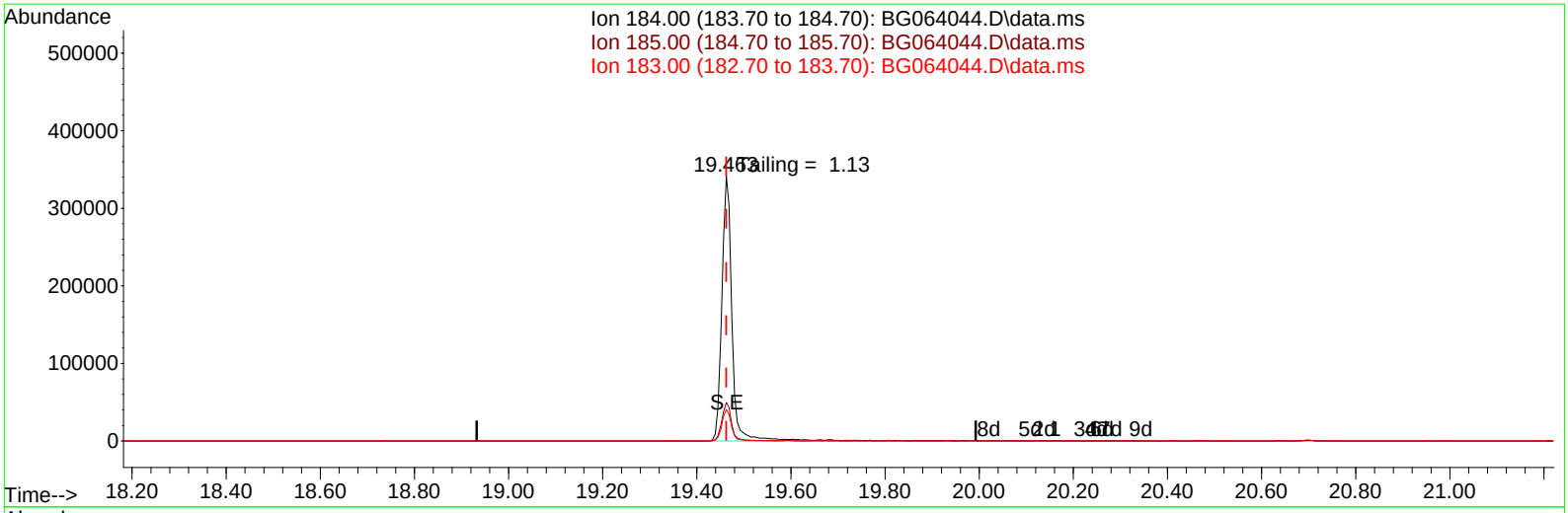
response 60892

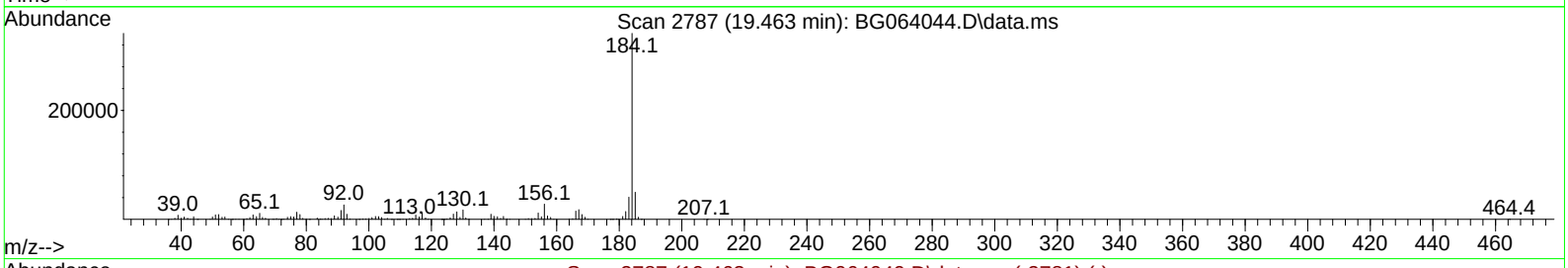
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.80	58.85
264.00	61.10	62.43
0.00	0.00	0.00

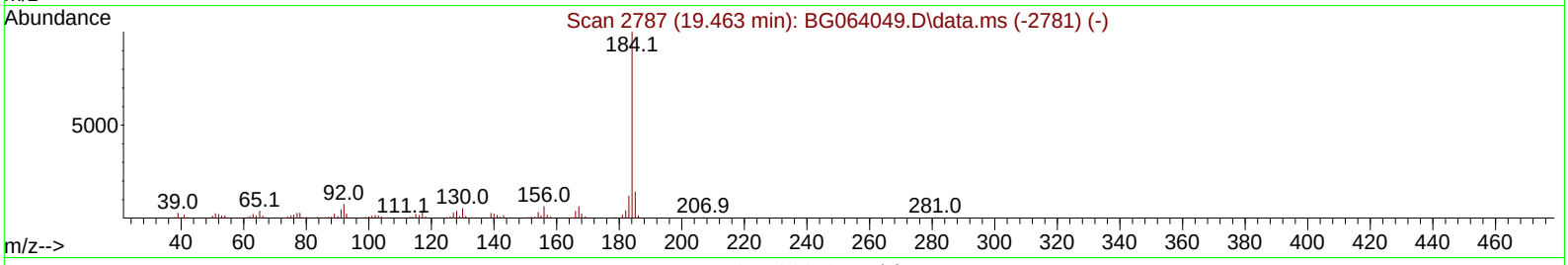
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064044.D
Acq On : 5 Mar 2025 8:15
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Mar 05 15:40:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration







TIC: BG064044.D\data.ms

(77) Benzidine

19.463min (-0.000) 687177.88 ng m

response 523350

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.57
183.00	11.90	11.97
0.00	0.00	0.00

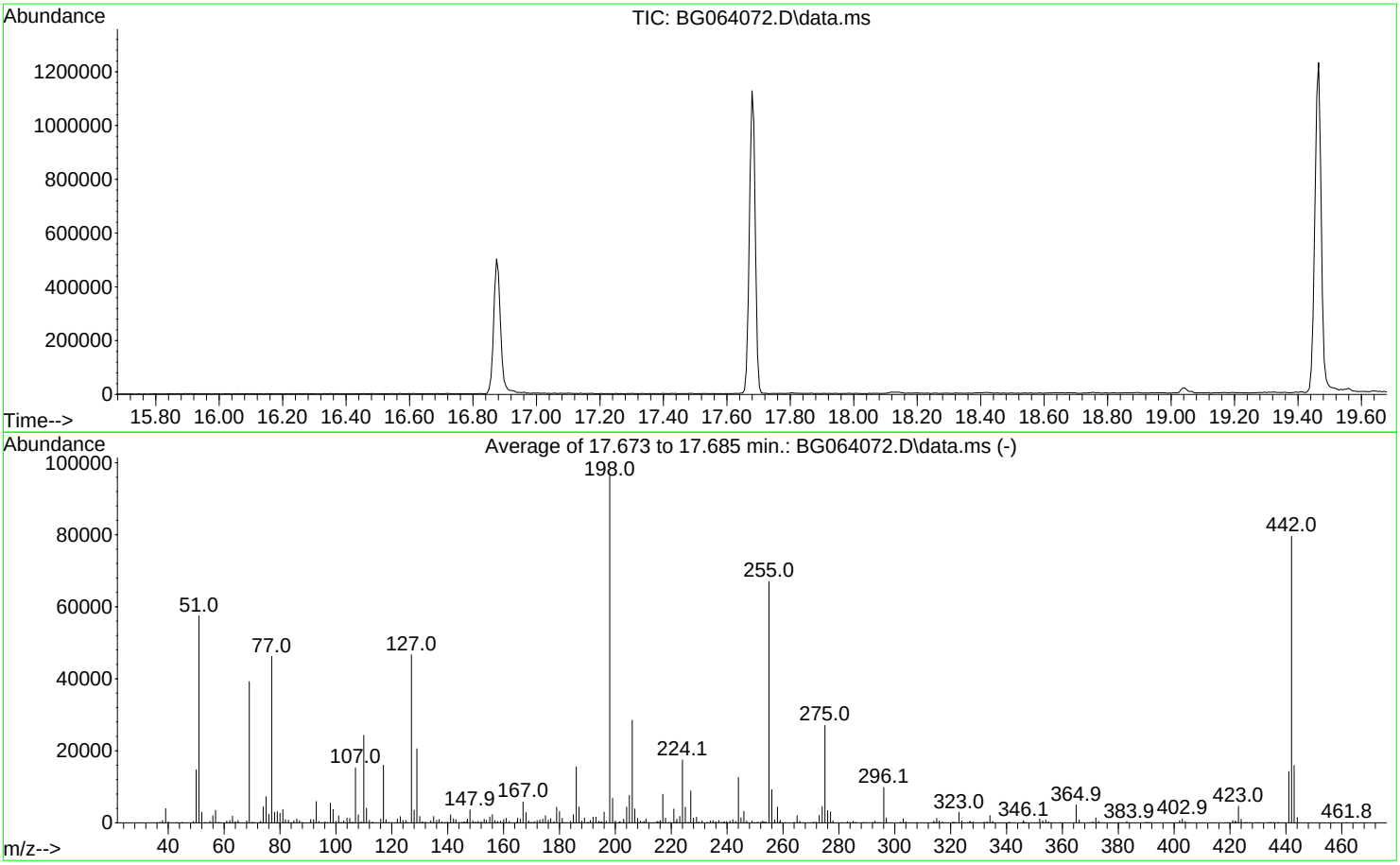
Sample Results: **BG064072.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064072.D
Acq On : 10 Mar 2025 8:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Mar 05 15:39:19 2025



AutoFind: Scans 2482, 2483, 2484; Background Corrected with Scan 2475

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	59.5	57453	PASS
68	69	0.00	2	1.3	493	PASS
69	198	0.00	100	40.6	39211	PASS
70	69	0.00	2	0.3	124	PASS
127	198	10	80	48.3	46659	PASS
197	198	0.00	2	0.4	406	PASS
198	198	100	100	100.0	96579	PASS
199	198	5	9	7.1	6824	PASS
275	198	10	60	28.0	27064	PASS
365	198	1	100	5.1	4947	PASS
441	198	0.01	100	14.7	14243	PASS
442	442	50	100	100.0	79621	PASS
443	442	15	24	20.0	15934	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/10/2025	BNA_G	BG064072.D
Compound Name	**Response**	**Retention Time**
DDT	255684	20.699
DDD	8972	20.258
DDE	1084	19.753
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
10056	265740	3.78

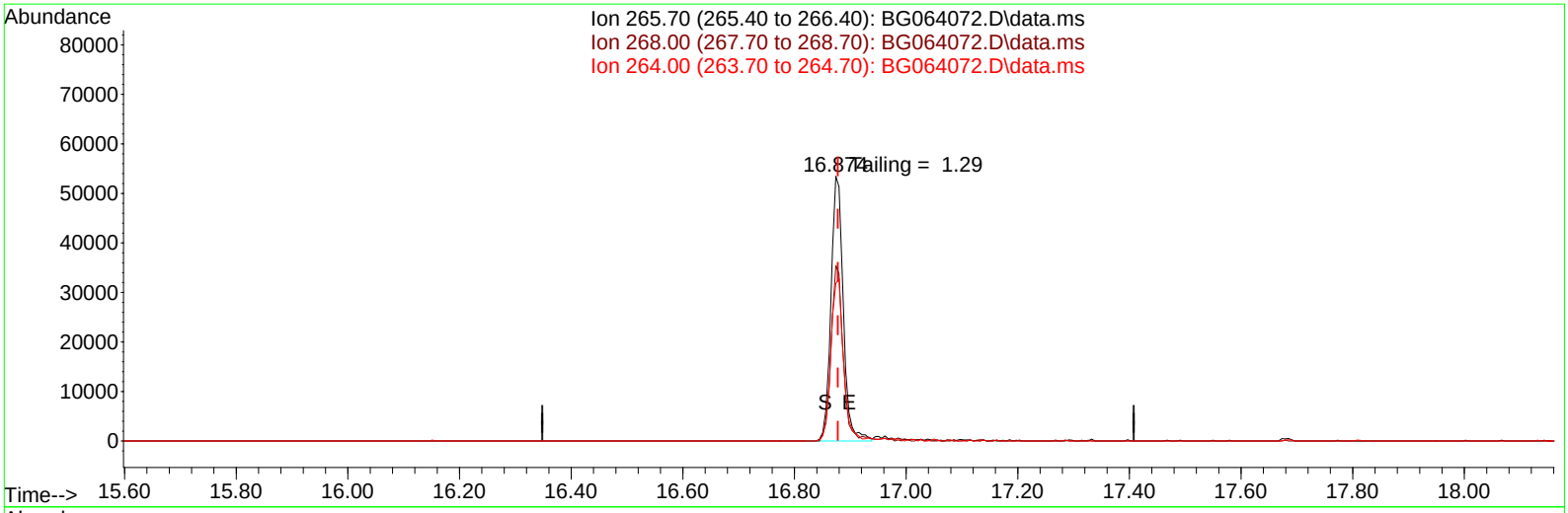
Instrument :
BNA_G
ClientSampleId :
DFTPP

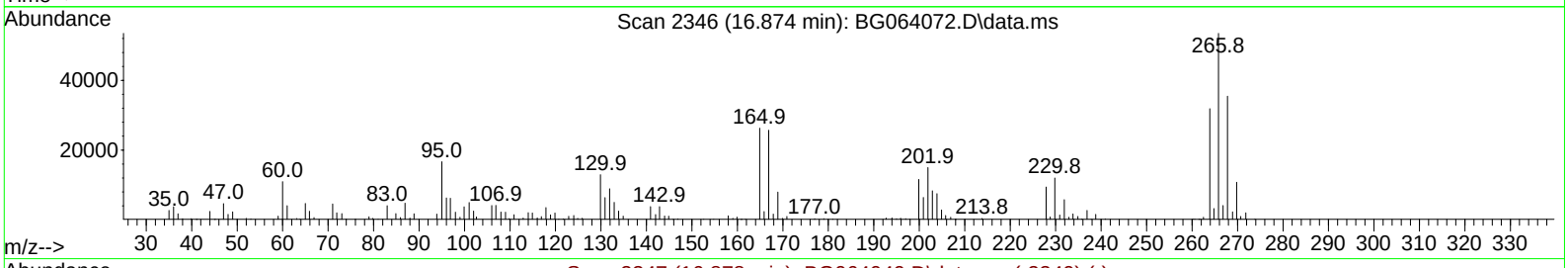
Sample Results: **BG064072.D**

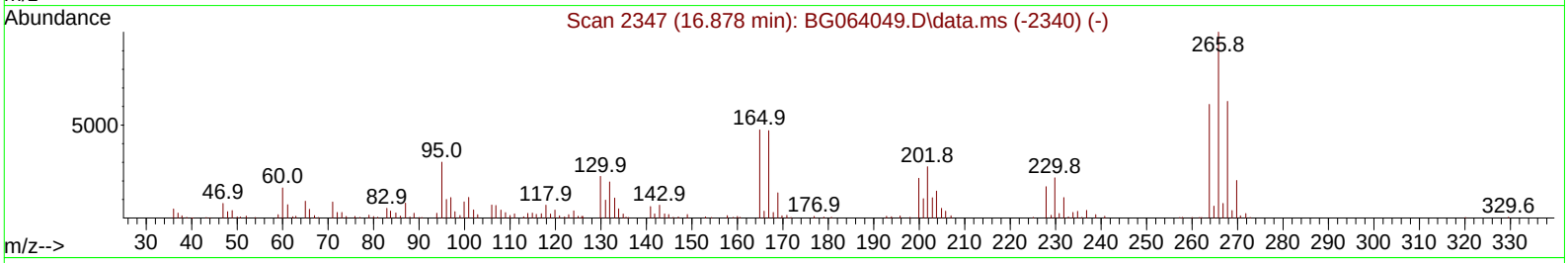
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064072.D
Acq On : 10 Mar 2025 8:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Mar 10 11:22:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration







TIC: BG064072.D\data.ms

(70) Pentachlorophenol (C)

16.874min (-0.004) 137114.61 ng

response 81997

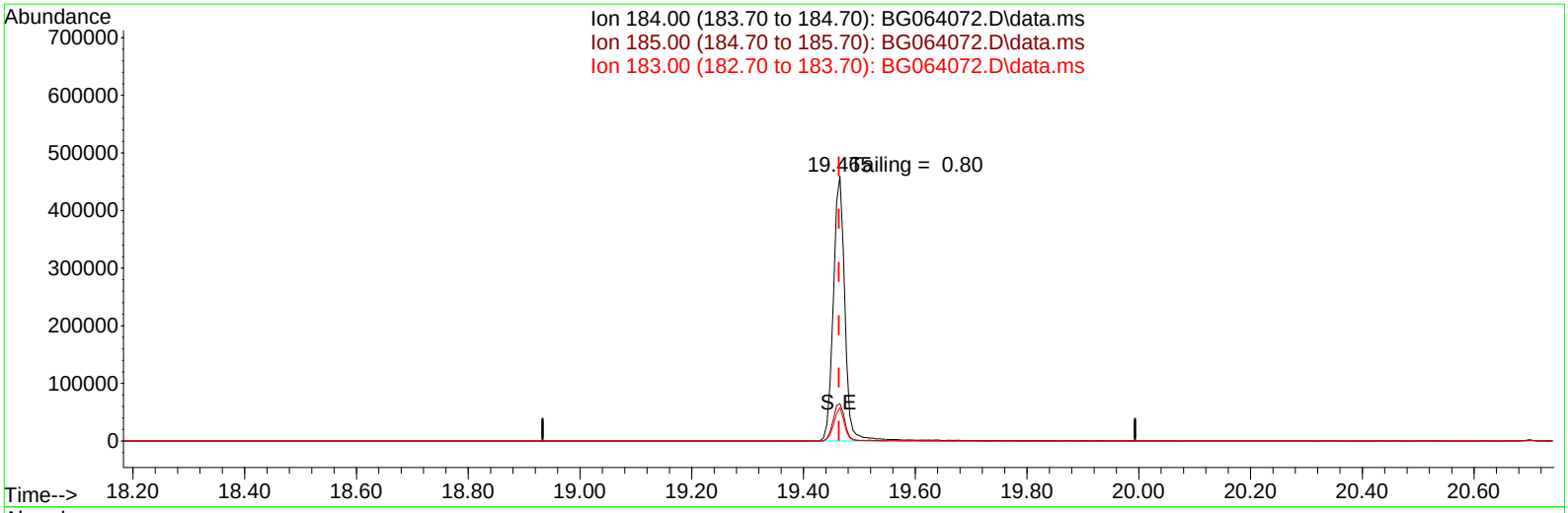
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.80	66.31
264.00	61.10	59.58
0.00	0.00	0.00

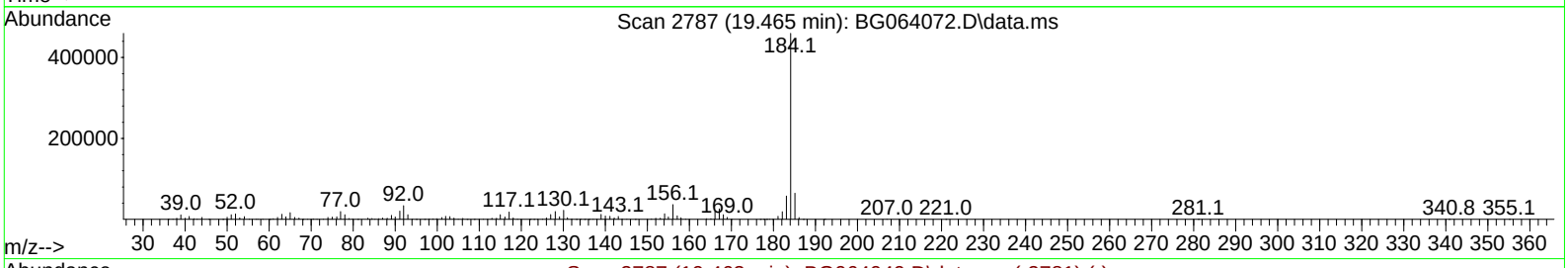
Sample Results: **BG064072.D**

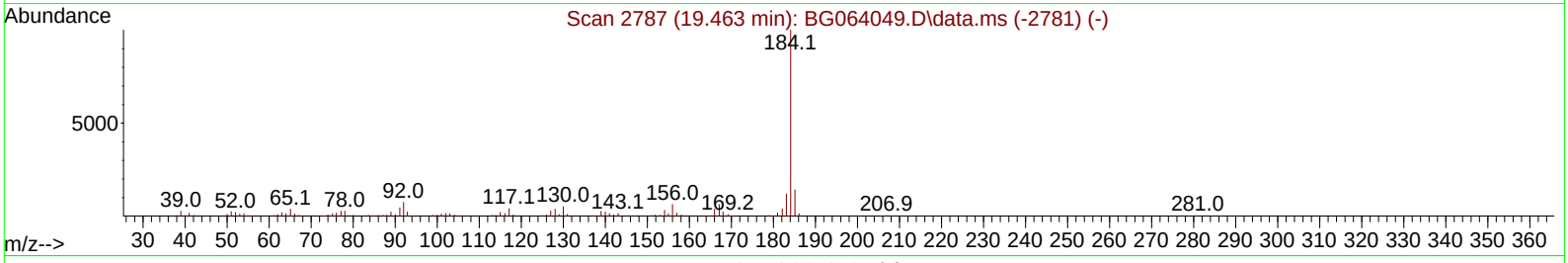
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064072.D
Acq On : 10 Mar 2025 8:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Mar 10 11:22:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration







TIC: BG064072.D\data.ms

(77) Benzidine

19.465min (+ 0.002) 21680.85 ng

response 657177

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.11
183.00	11.90	12.58
0.00	0.00	0.00

Raw Data: **BG064074.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167035BL	SDG No.:	Q1488
Lab Sample ID:	PB167035BL	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064074.D	1	03/07/25 12:45	03/10/25 10:03	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	142		15 (10) - 110 (139)	95%	SPK: 150
13127-88-3	Phenol-d6	136		15 (10) - 110 (134)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.0		30 (49) - 130 (133)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.7		30 (52) - 130 (132)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	150		15 (44) - 110 (137)	100%	SPK: 150
1718-51-0	Terphenyl-d14	97.7		30 (48) - 130 (125)	98%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	32700	7.858			
1146-65-2	Naphthalene-d8	141000	10.649			
15067-26-2	Acenaphthene-d10	98000	14.486			
1517-22-2	Phenanthrene-d10	231000	17.224			
1719-03-5	Chrysene-d12	233000	21.454			
1520-96-3	Perylene-d12	246000	24.468			

Raw Data: **BG064074.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:			
Project:	Amtrak Sawtooth Bridges 2025			Date Received:			
Client Sample ID:	PB167035BL			SDG No.:	Q1488		
Lab Sample ID:	PB167035BL			Matrix:	TCLP		
Analytical Method:	SW8270			% Solid:	0		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3510C						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064074.D	1	03/07/25 12:45	03/10/25 10:03	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064074.D
Acq On : 10 Mar 2025 10:03
Operator : RC/JU
Sample : PB167035BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Quant Time: Mar 10 11:45:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

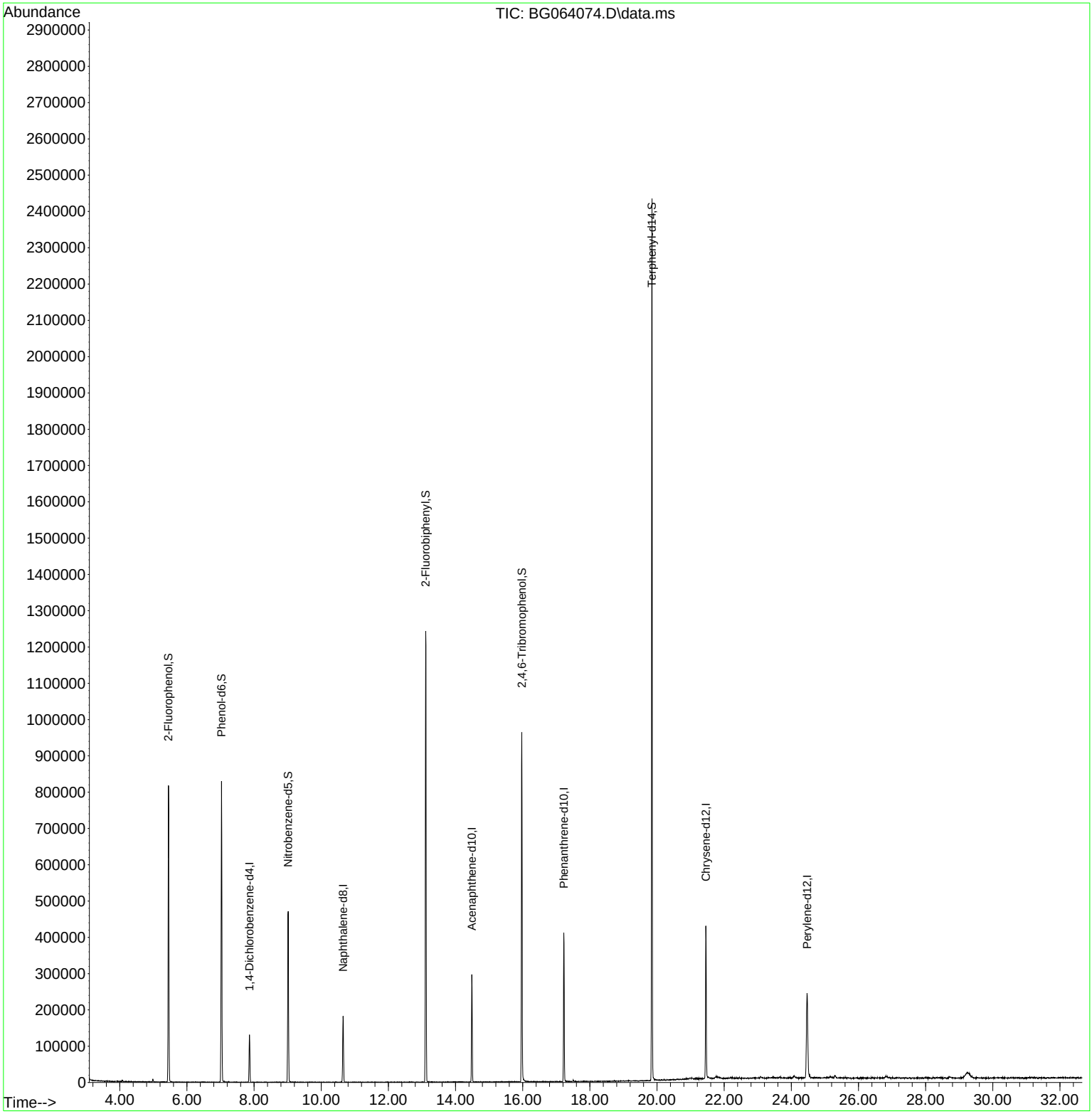
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	32741	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	140985	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	98023	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	230921	20.000	ng	0.00
76) Chrysene-d12	21.454	240	233034	20.000	ng	0.00
86) Perylene-d12	24.468	264	246222	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.449	112	297876	142.060	ng	0.00
7) Phenol-d6	7.030	99	386605	135.531	ng	0.00
23) Nitrobenzene-d5	9.016	82	247498	97.012	ng	0.00
42) 2,4,6-Tribromophenol	15.972	330	163199	149.780	ng	0.00
45) 2-Fluorobiphenyl	13.111	172	611388	94.673	ng	0.00
79) Terphenyl-d14	19.850	244	1126387	97.735	ng	0.00
Target Compounds						Qvalue

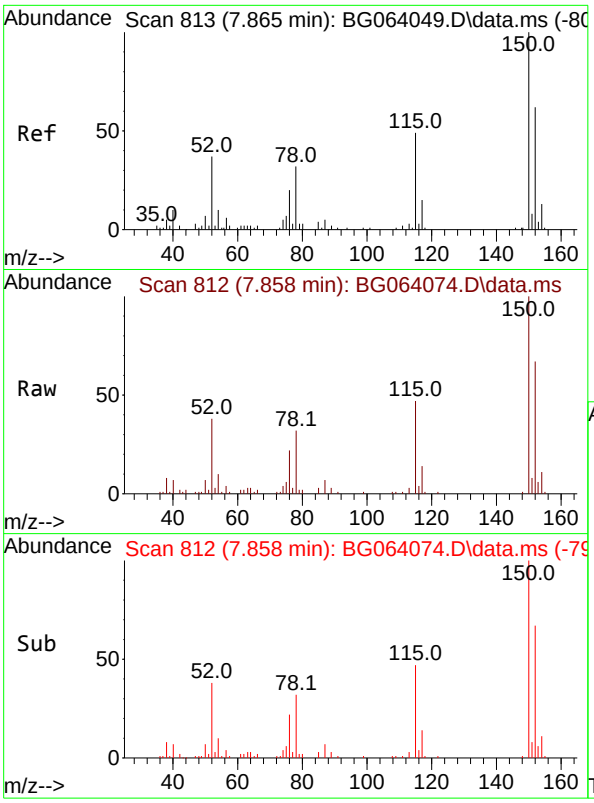
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064074.D
Acq On : 10 Mar 2025 10:03
Operator : RC/JU
Sample : PB167035BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Quant Time: Mar 10 11:45:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



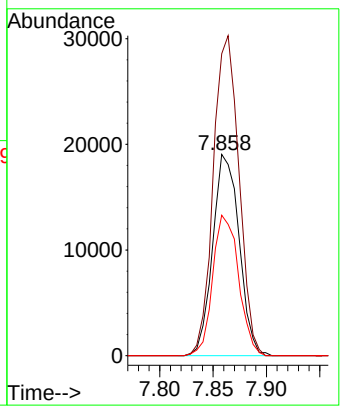


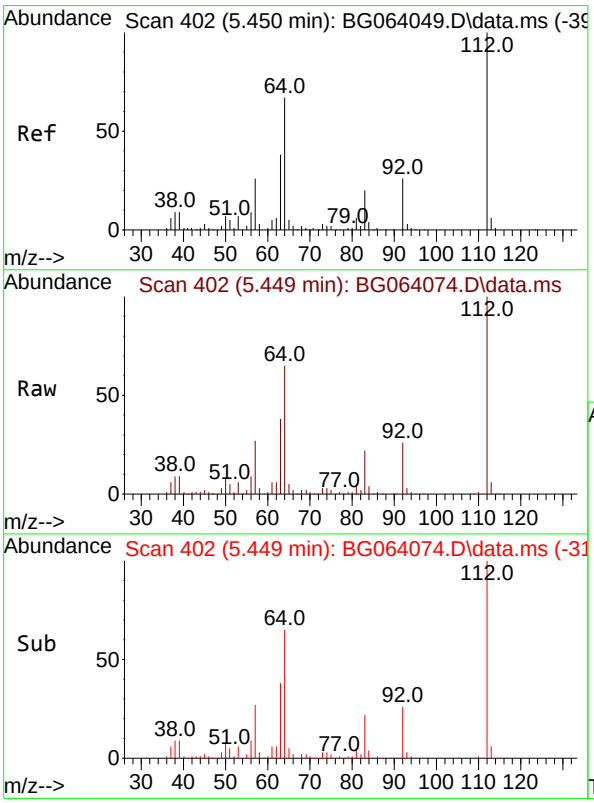
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.858 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion:152 Resp: 32741

Ion	Ratio	Lower	Upper
152	100		
150	150.1	129.2	193.8
115	69.8	63.0	94.6

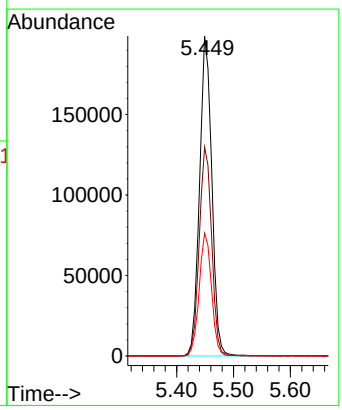


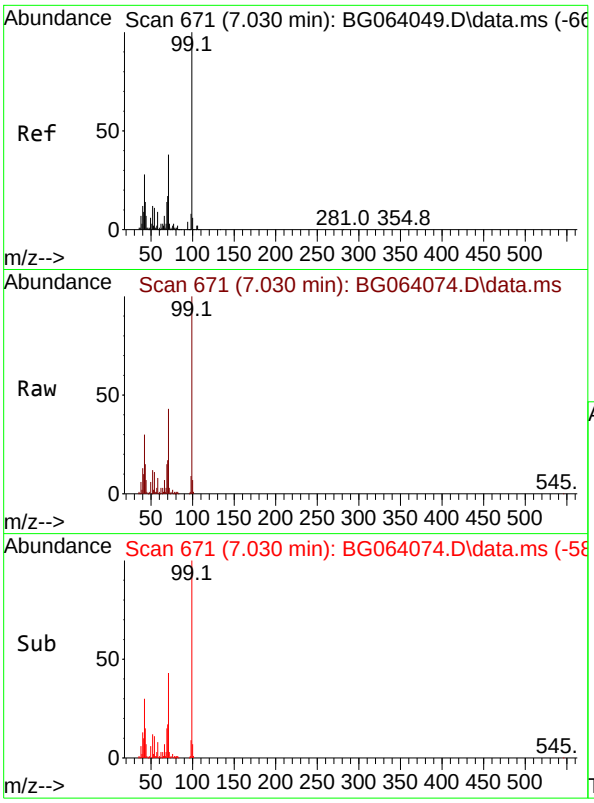


#5
2-Fluorophenol
Concen: 142.060 ng
RT: 5.449 min Scan# 402
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:112 Resp: 297876

Ion	Ratio	Lower	Upper
112	100		
64	65.3	53.7	80.5
63	38.3	30.2	45.4



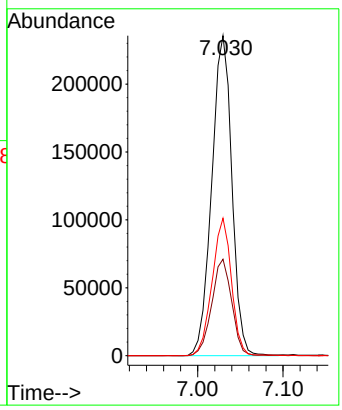


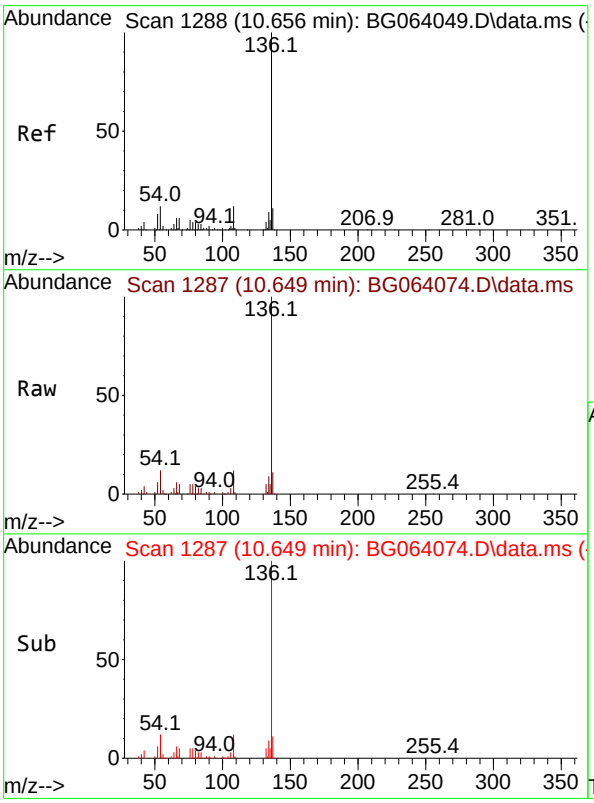
#7
Phenol-d6
Concen: 135.531 ng
RT: 7.030 min Scan# 6
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion: 99 Resp: 386605

Ion	Ratio	Lower	Upper
99	100		
42	30.2	22.7	34.1
71	42.9	30.6	46.0

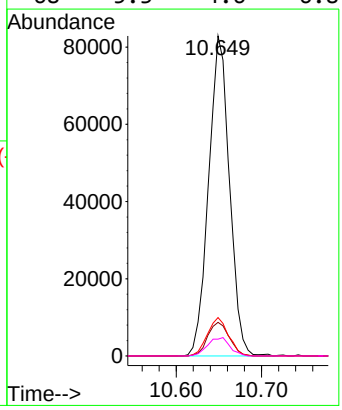


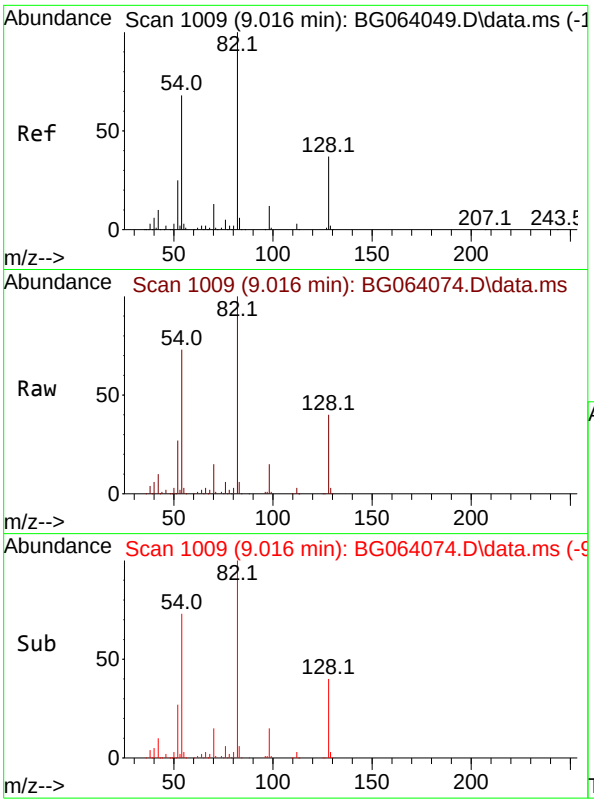


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:136 Resp: 140985

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	12.0	9.9	14.9
68	5.3	4.6	6.8



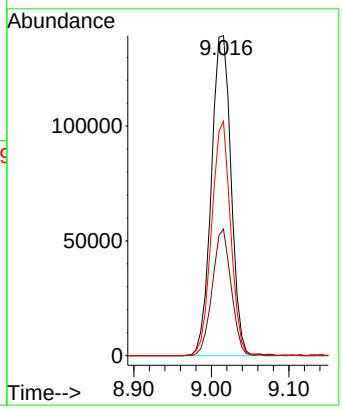


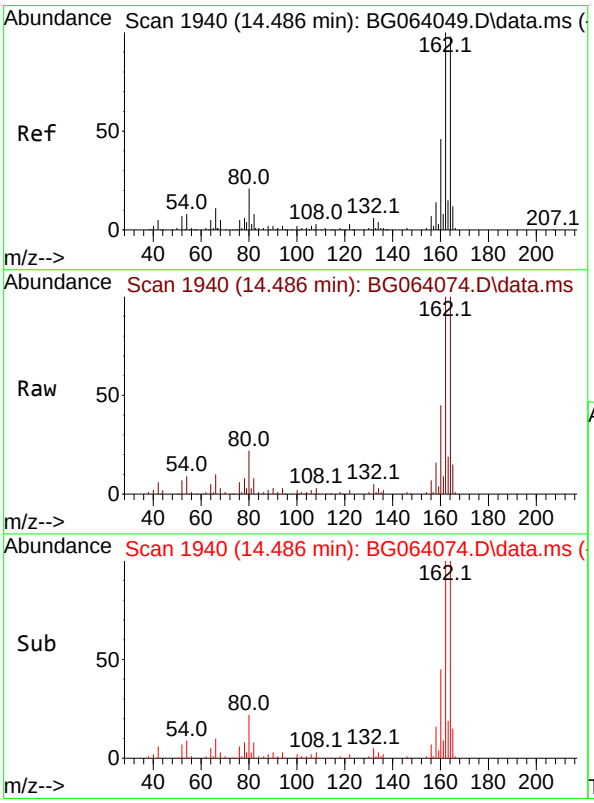
#23
Nitrobenzene-d5
Concen: 97.012 ng
RT: 9.016 min Scan# 1(
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion: 82 Resp: 247498

Ion	Ratio	Lower	Upper
82	100		
128	39.5	30.0	45.0
54	73.2	54.7	82.1

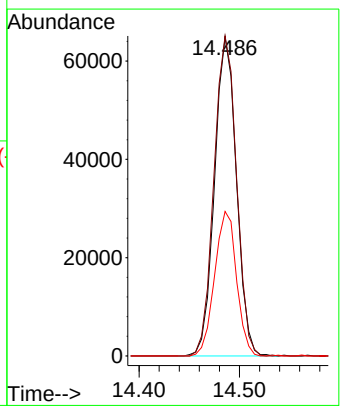


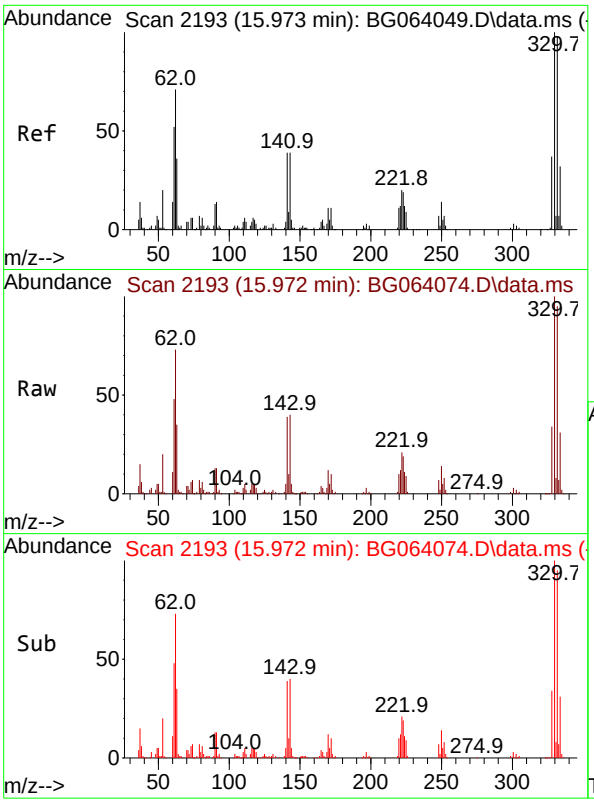


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1940
Delta R.T. -0.000 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:164 Resp: 98023

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.4	122.0
160	45.4	37.0	55.6



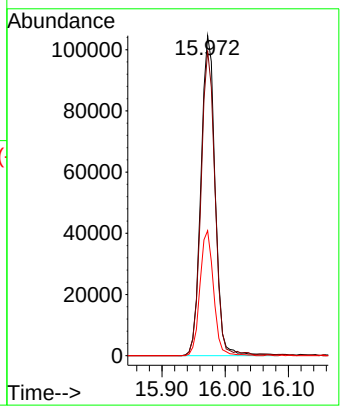


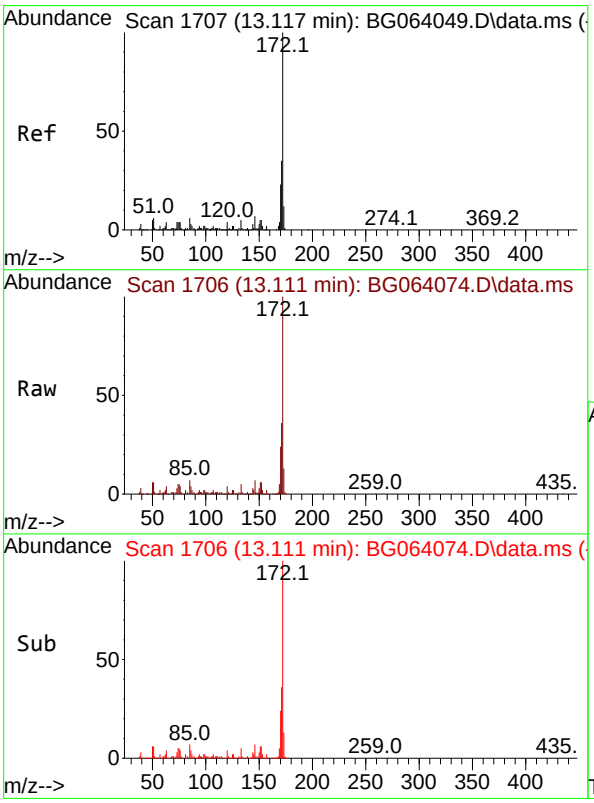
#42
2,4,6-Tribromophenol
Concen: 149.780 ng
RT: 15.972 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion:330 Resp: 163199

Ion	Ratio	Lower	Upper
330	100		
332	94.1	76.7	115.1
141	37.4	29.7	44.5

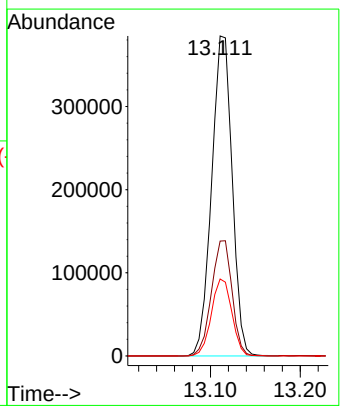


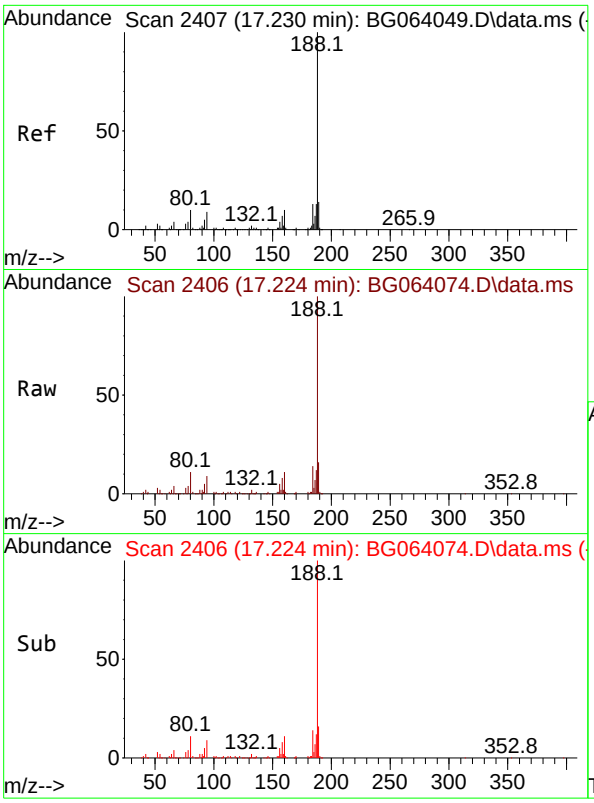


#45
2-Fluorobiphenyl
Concen: 94.673 ng
RT: 13.111 min Scan# 1706
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:172 Resp: 611388

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.0	42.0
170	24.1	18.7	28.1



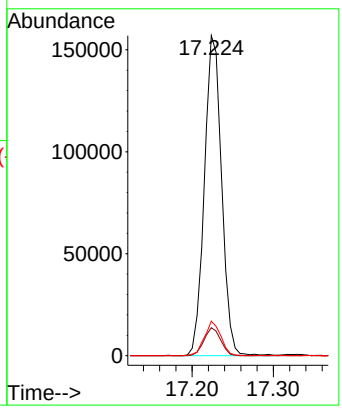


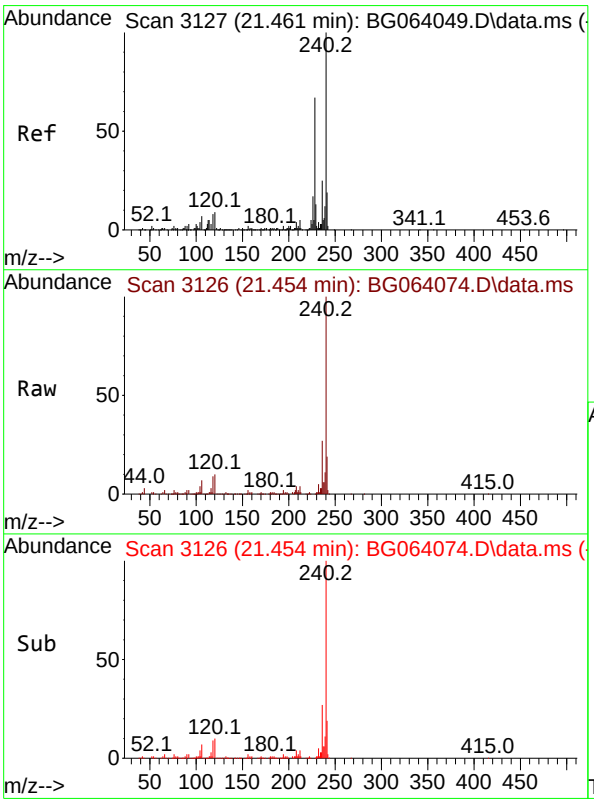
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion:188 Resp: 230921

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	10.8	8.1	12.1

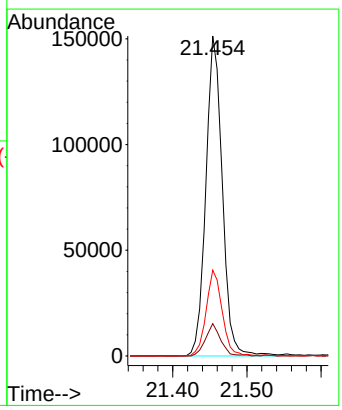


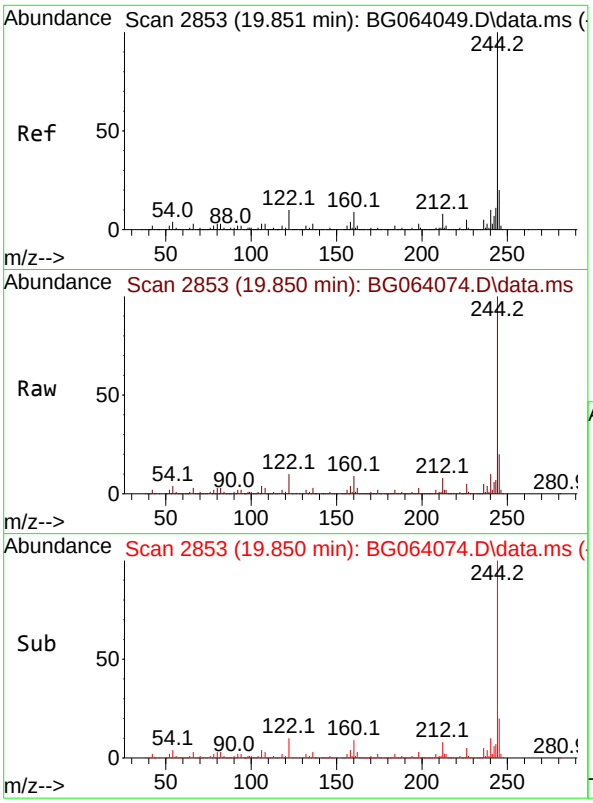


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3126
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:240 Resp: 233034

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.2	10.8
236	26.8	20.2	30.2



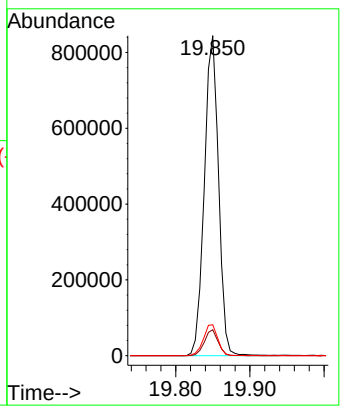


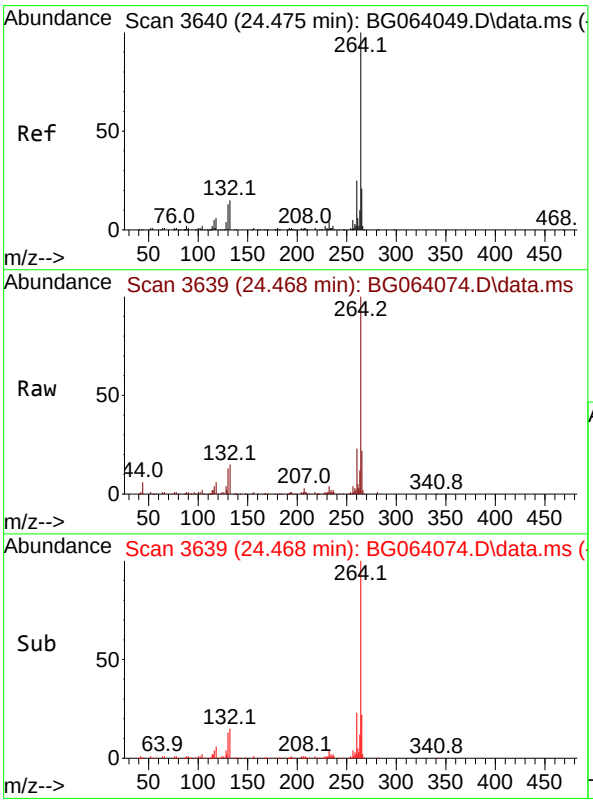
#79
Terphenyl-d14
Concen: 97.735 ng
RT: 19.850 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Instrument :
BNA_G
ClientSampleId :
PB167035BL

Tgt Ion:244 Resp: 1126387

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	9.7	8.0	12.0

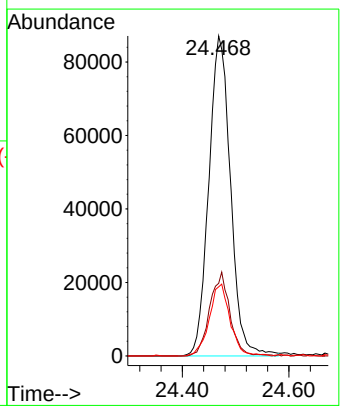




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.468 min Scan# 3639
Delta R.T. -0.007 min
Lab File: BG064074.D
Acq: 10 Mar 2025 10:03

Tgt Ion:264 Resp: 246222

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.6	29.4
265	21.6	16.6	25.0



Raw Data: **BG064075.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167035BS	SDG No.:	Q1488
Lab Sample ID:	PB167035BS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064075.D	1	03/07/25 12:45	03/10/25 10:44	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	39.2		1.60	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	41.2		0.84	5.00	ug/L
95-48-7	2-Methylphenol	45.6		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	46.0		1.20	10.0	ug/L
67-72-1	Hexachloroethane	44.3		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.7		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.4		1.30	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	50.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.7		1.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	46.6		1.50	5.00	ug/L
118-74-1	Hexachlorobenzene	44.7		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	91.9	E	1.90	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	139		15 (10) - 110 (139)	92%	SPK: 150
13127-88-3	Phenol-d6	137		15 (10) - 110 (134)	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.8		30 (49) - 130 (133)	97%	SPK: 100
321-60-8	2-Fluorobiphenyl	92.8		30 (52) - 130 (132)	93%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		15 (44) - 110 (137)	102%	SPK: 150
1718-51-0	Terphenyl-d14	97.3		30 (48) - 130 (125)	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	35200	7.862			
1146-65-2	Naphthalene-d8	155000	10.647			
15067-26-2	Acenaphthene-d10	107000	14.484			
1517-22-2	Phenanthrene-d10	235000	17.228			
1719-03-5	Chrysene-d12	237000	21.458			
1520-96-3	Perylene-d12	255000	24.472			

Raw Data: **BG064075.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture			Date Collected:			
Project:	Amtrak Sawtooth Bridges 2025			Date Received:			
Client Sample ID:	PB167035BS			SDG No.:	Q1488		
Lab Sample ID:	PB167035BS			Matrix:	TCLP		
Analytical Method:	SW8270			% Solid:	0		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3510C						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064075.D	1	03/07/25 12:45	03/10/25 10:44	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BG064075.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064075.D
Acq On : 10 Mar 2025 10:44
Operator : RC/JU
Sample : PB167035BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 10 12:22:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.862	152	35194	20.000	ng		# 0.00
21) Naphthalene-d8	10.647	136	154810	20.000	ng		0.00
39) Acenaphthene-d10	14.484	164	106817	20.000	ng		0.00
64) Phenanthrene-d10	17.228	188	235208	20.000	ng		0.00
76) Chrysene-d12	21.458	240	237204	20.000	ng		0.00
86) Perylene-d12	24.472	264	255311	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.453	112	312176	138.503	ng		0.00
7) Phenol-d6	7.034	99	419514	136.817	ng		0.00
23) Nitrobenzene-d5	9.014	82	271257	96.830	ng		0.00
42) 2,4,6-Tribromophenol	15.976	330	182401	153.621	ng		0.00
45) 2-Fluorobiphenyl	13.115	172	652866	92.773	ng		0.00
79) Terphenyl-d14	19.848	244	1140903	97.254	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.367	88	39346	38.518	ng		94
3) Pyridine	3.749	79	97422	39.216	ng		98
4) n-Nitrosodimethylamine	3.667	42	84337	47.515	ng	#	96
6) Aniline	7.192	93	112017	37.230	ng		98
8) 2-Chlorophenol	7.427	128	107800	44.532	ng		98
9) Benzaldehyde	6.998	77	38322m	21.489	ng		
10) Phenol	7.057	94	140681	44.812	ng		95
11) bis(2-Chloroethyl)ether	7.286	93	99871	40.578	ng		100
12) 1,3-Dichlorobenzene	7.756	146	108395	40.776	ng		97
13) 1,4-Dichlorobenzene	7.897	146	112149	41.159	ng		99
14) 1,2-Dichlorobenzene	8.215	146	108249	41.200	ng		97
15) Benzyl Alcohol	8.097	79	106765	45.059	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.385	45	230210m	41.598	ng		
17) 2-Methylphenol	8.303	107	94962	45.577	ng		97
18) Hexachloroethane	8.943	117	42241	44.309	ng		98
19) n-Nitroso-di-n-propyla...	8.667	70	88518	41.135	ng		96
20) 3+4-Methylphenols	8.626	107	132073	46.044	ng		91
22) Acetophenone	8.679	105	192747	45.410	ng	#	99
24) Nitrobenzene	9.055	77	129434	44.708	ng		96
25) Isophorone	9.578	82	242957	43.330	ng		96
26) 2-Nitrophenol	9.766	139	45482	45.930	ng		95
27) 2,4-Dimethylphenol	9.825	122	98186	58.412	ng		93
28) bis(2-Chloroethoxy)met...	10.065	93	141763	41.702	ng		98
29) 2,4-Dichlorophenol	10.295	162	100351	47.279	ng		97
30) 1,2,4-Trichlorobenzene	10.518	180	107016	41.766	ng		98
31) Naphthalene	10.700	128	346205	41.473	ng		99
32) Benzoic acid	9.971	122	68746m	45.164	ng		
33) 4-Chloroaniline	10.806	127	59743	19.581	ng		97
34) Hexachlorobutadiene	10.994	225	72884	43.397	ng		97
35) Caprolactam	11.570	113	41781m	51.367	ng		
36) 4-Chloro-3-methylphenol	11.928	107	124775	44.847	ng		99
37) 2-Methylnaphthalene	12.310	142	244676	41.518	ng		97
38) 1-Methylnaphthalene	12.527	142	241268	41.788	ng		98
40) 1,2,4,5-Tetrachloroben...	12.680	216	142467	46.717	ng	#	96
41) Hexachlorocyclopentadiene	12.662	237	161060	187.650	ng		99
43) 2,4,6-Trichlorophenol	12.915	196	90250	50.214	ng		93

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031025\
Data File : BG064075.D
Acq On : 10 Mar 2025 10:44
Operator : RC/JU
Sample : PB167035BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 10 12:22:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/11/2025
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.986	196	97202	48.673	ng		97
46) 1,1'-Biphenyl	13.320	154	393645	48.778	ng		99
47) 2-Chloronaphthalene	13.362	162	259563	44.100	ng		99
48) 2-Nitroaniline	13.561	65	91303	46.946	ng		94
49) Acenaphthylene	14.208	152	423420	45.482	ng		100
50) Dimethylphthalate	13.949	163	337492	42.802	ng		100
51) 2,6-Dinitrotoluene	14.061	165	69943	44.023	ng		98
52) Acenaphthene	14.554	154	266063	42.585	ng		99
53) 3-Nitroaniline	14.384	138	44978	29.514	ng		99
54) 2,4-Dinitrophenol	14.595	184	60584	89.770	ng		91
55) Dibenzofuran	14.889	168	417547	41.254	ng		100
56) 4-Nitrophenol	14.695	139	130121	101.809	ng		94
57) 2,4-Dinitrotoluene	14.848	165	102503	46.559	ng	#	97
58) Fluorene	15.535	166	338764	42.973	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.112	232	92576m	47.550	ng		
60) Diethylphthalate	15.318	149	362756	42.379	ng		99
61) 4-Chlorophenyl-phenyle...	15.535	204	166039	42.385	ng		92
62) 4-Nitroaniline	15.553	138	75579	45.936	ng		93
63) Azobenzene	15.823	77	371087	40.626	ng		98
65) 4,6-Dinitro-2-methylph...	15.612	198	47302	46.799	ng		89
66) n-Nitrosodiphenylamine	15.747	169	299630	45.004	ng		99
67) 4-Bromophenyl-phenylether	16.423	248	112186	46.570	ng		92
68) Hexachlorobenzene	16.534	284	120627	44.727	ng		95
69) Atrazine	16.699	200	133132	67.961	ng		93
70) Pentachlorophenol	16.881	266	153962	91.945	ng		97
71) Phenanthrene	17.269	178	559131	44.568	ng		100
72) Anthracene	17.363	178	576746	46.233	ng		98
73) Carbazole	17.627	167	514613	44.184	ng		99
74) Di-n-butylphthalate	18.203	149	619724	45.203	ng		99
75) Fluoranthene	19.278	202	653932	43.237	ng		98
77) Benzidine	19.460	184	190171	57.898	ng		97
78) Pyrene	19.642	202	682286	44.621	ng		98
80) Butylbenzylphthalate	20.541	149	267979	46.803	ng		96
81) Benzo(a)anthracene	21.440	228	697575	45.909	ng		97
82) 3,3'-Dichlorobenzidine	21.364	252	155510	31.624	ng		98
83) Chrysene	21.505	228	678619	44.780	ng		99
84) Bis(2-ethylhexyl)phtha...	21.376	149	414970	50.498	ng		98
85) Di-n-octyl phthalate	22.521	149	710281	50.112	ng		99
87) Indeno(1,2,3-cd)pyrene	27.874	276	806871	47.234	ng		98
88) Benzo(b)fluoranthene	23.526	252	671571	43.511	ng		97
89) Benzo(k)fluoranthene	23.591	252	697549	45.050	ng		98
90) Benzo(a)pyrene	24.331	252	655055	47.655	ng		98
91) Dibenzo(a,h)anthracene	27.939	278	675312	47.685	ng		99
92) Benzo(g,h,i)perylene	28.932	276	632964	43.532	ng		96

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

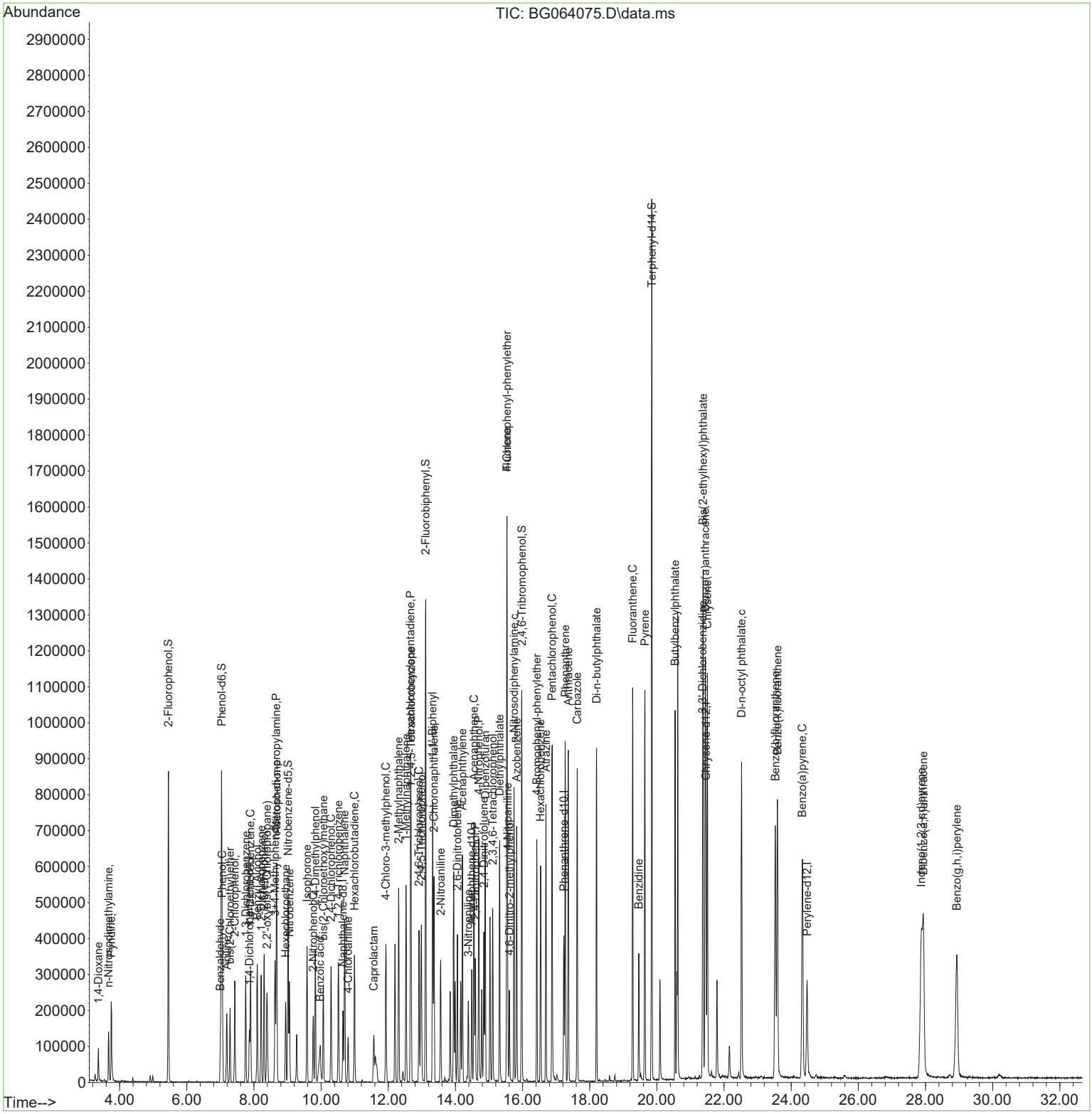
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Data File : BG064075.D
Acq On : 10 Mar 2025 10:44
Operator : RC/JU
Sample : PB167035BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

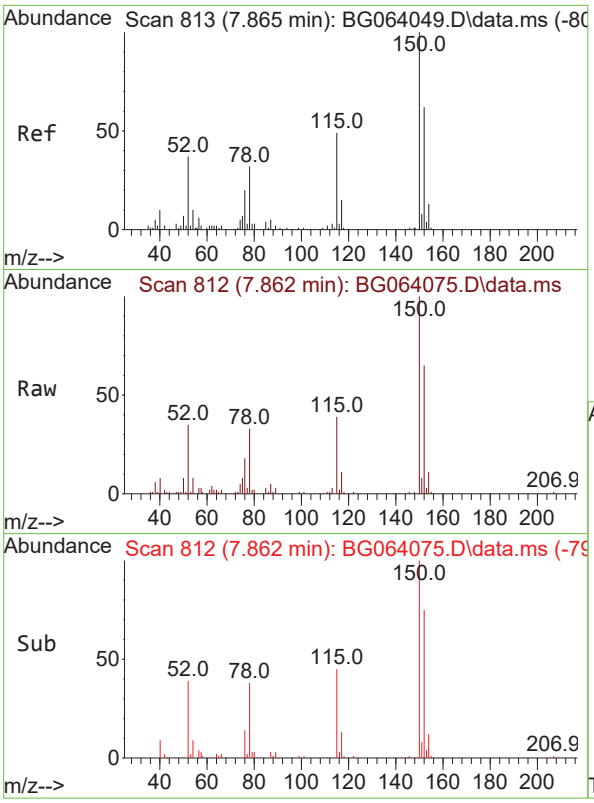
Quant Time: Mar 10 12:22:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations APPROVED

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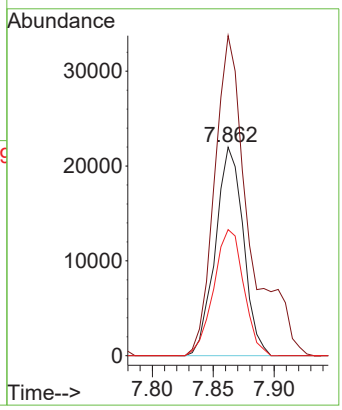




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.862 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:152 Resp: 3519

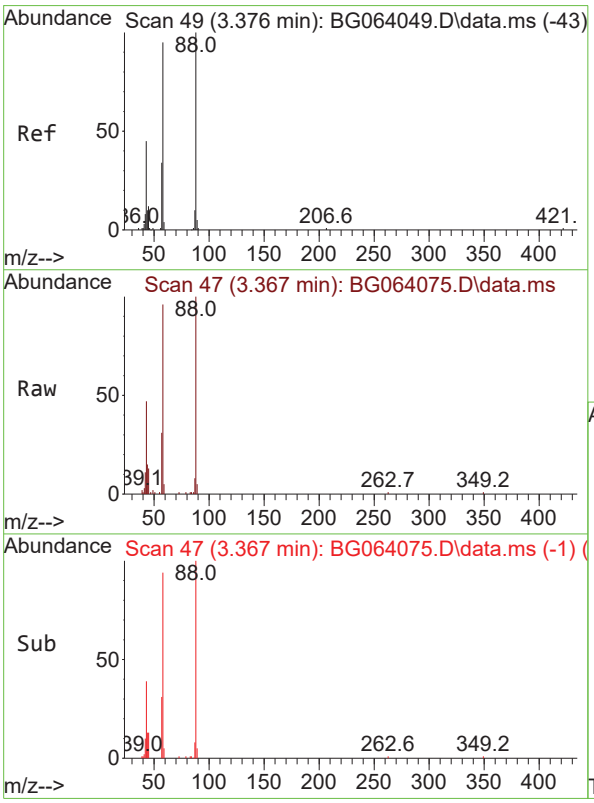
Ion	Ratio	Lower	Upper
152	100		
150	153.5	129.2	193.8
115	60.4	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

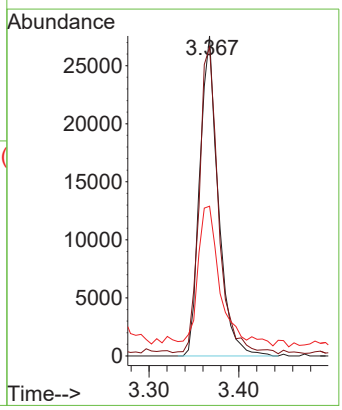
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

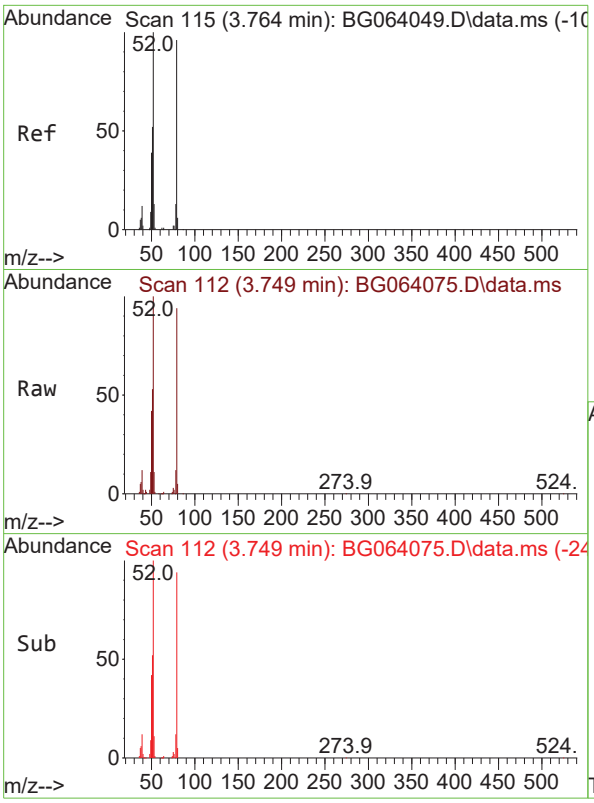


#2
1,4-Dioxane
Concen: 38.518 ng
RT: 3.367 min Scan# 47
Delta R.T. -0.008 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion: 88 Resp: 39346

Ion	Ratio	Lower	Upper
88	100		
58	100.2	74.6	111.8
43	46.3	35.5	53.3

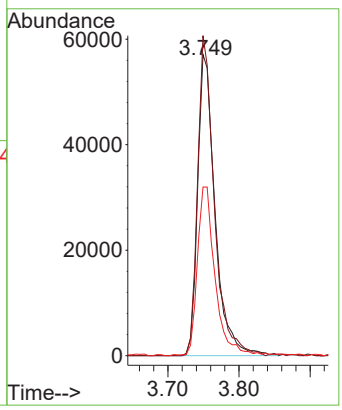




#3
Pyridine
Concen: 39.216 ng
RT: 3.749 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion: 79 Resp: 9742

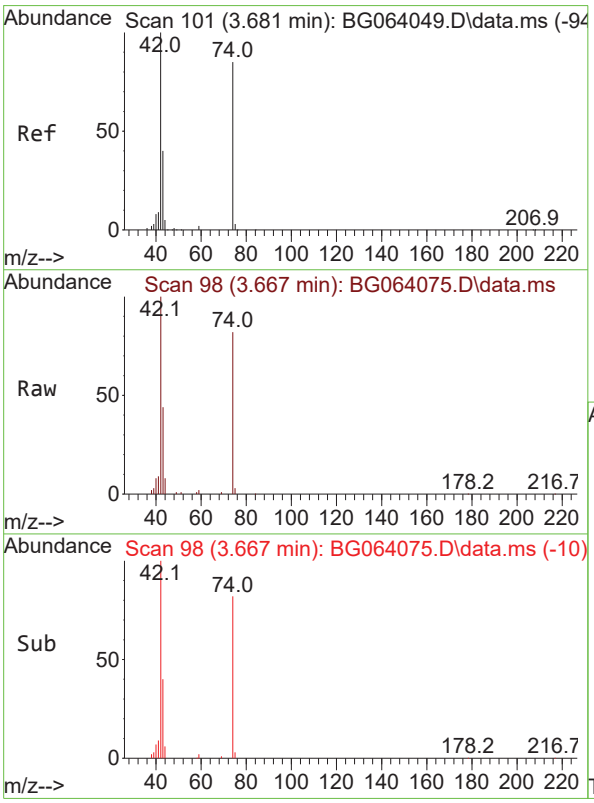
Ion	Ratio	Lower	Upper
79	100		
52	106.2	83.0	124.6
51	56.0	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

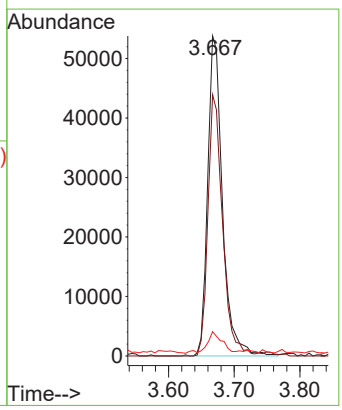
Reviewed By :Anahy Claudio 03/11/2025
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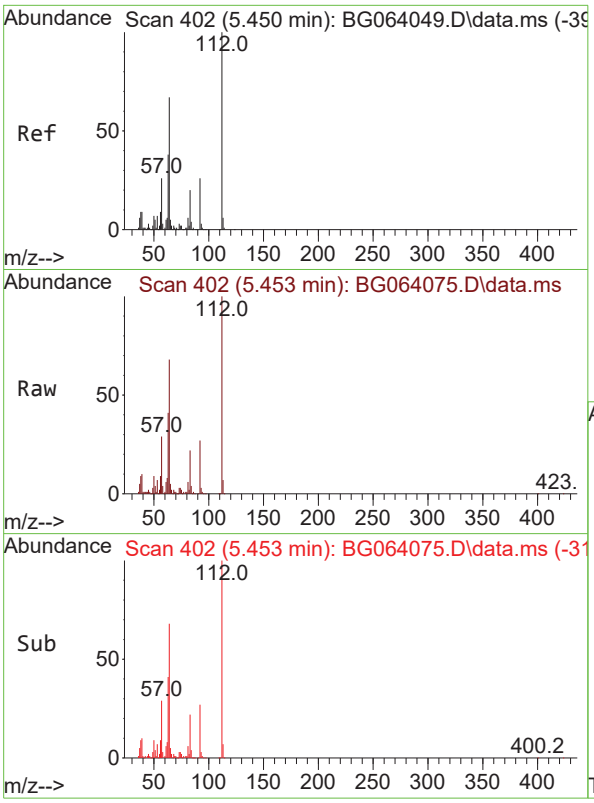


#4
n-Nitrosodimethylamine
Concen: 47.515 ng
RT: 3.667 min Scan# 98
Delta R.T. -0.014 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion: 42 Resp: 84337

Ion	Ratio	Lower	Upper
42	100		
74	81.6	68.0	102.0
44	7.6	4.9	7.3#





#5
2-Fluorophenol
Concen: 138.503 ng
RT: 5.453 min Scan# 4(
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

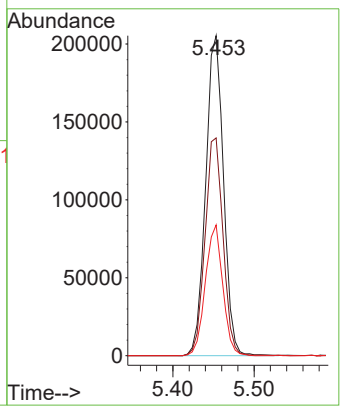
Tgt Ion:112 Resp: 31217(

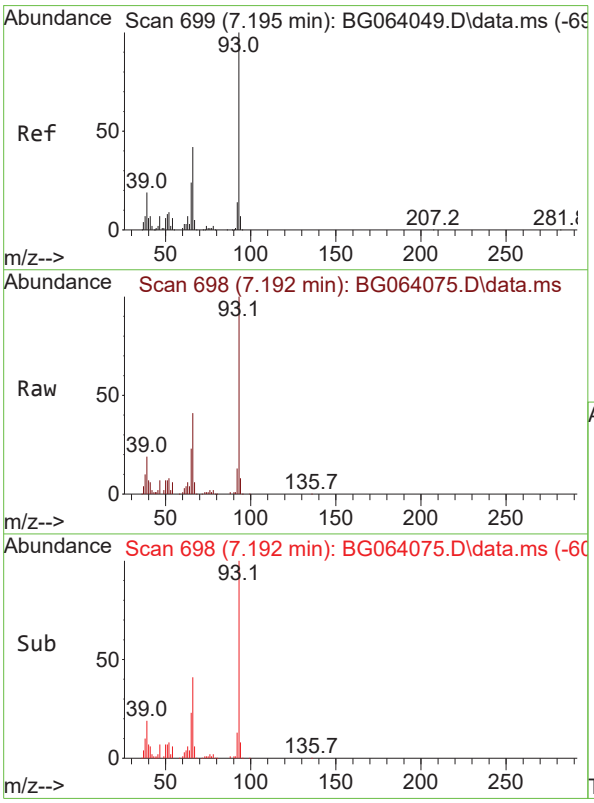
Ion	Ratio	Lower	Upper
112	100		
64	68.0	53.7	80.5
63	40.9	30.2	45.4

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

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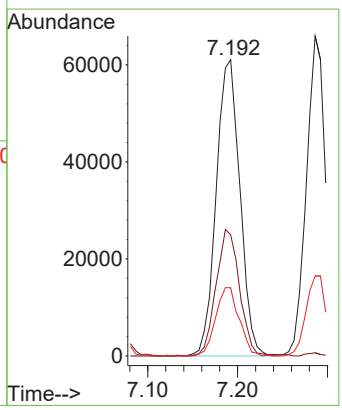


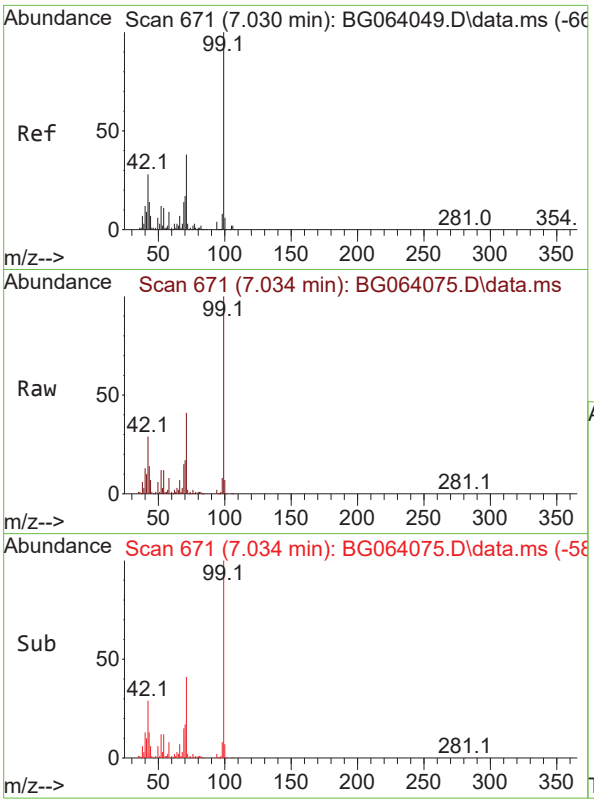


#6
Aniline
Concen: 37.230 ng
RT: 7.192 min Scan# 698
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion: 93 Resp: 112017

Ion	Ratio	Lower	Upper
93	100		
66	40.9	33.7	50.5
65	23.0	19.1	28.7

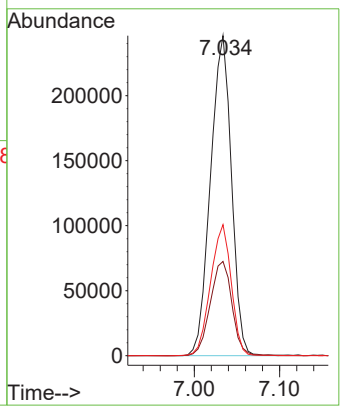




#7
Phenol-d6
Concen: 136.817 ng
RT: 7.034 min Scan# 6
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion: 99 Resp: 41951

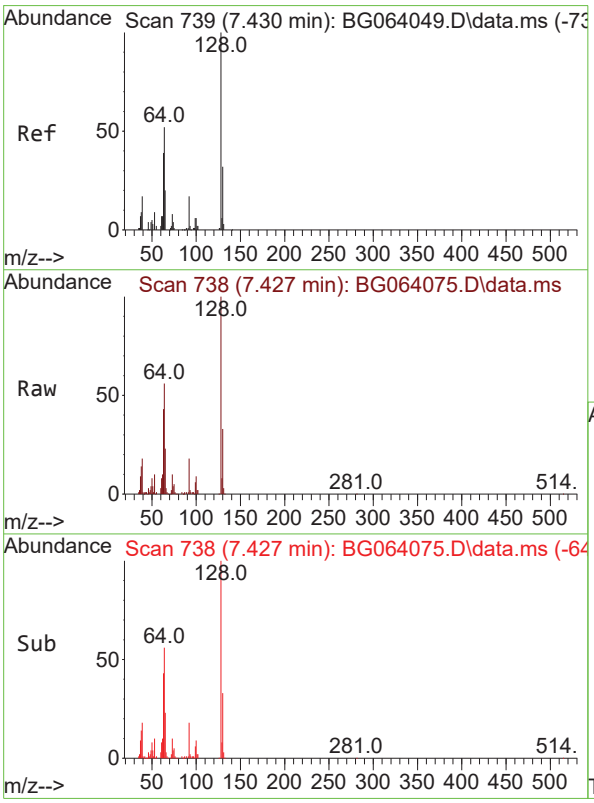
Ion	Ratio	Lower	Upper
99	100		
42	29.4	22.7	34.1
71	40.9	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

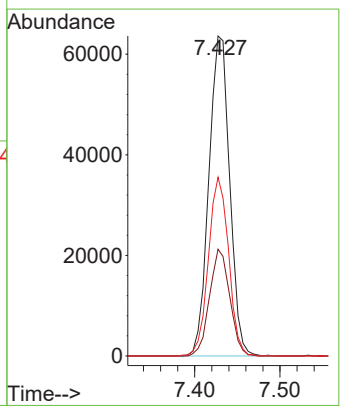
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

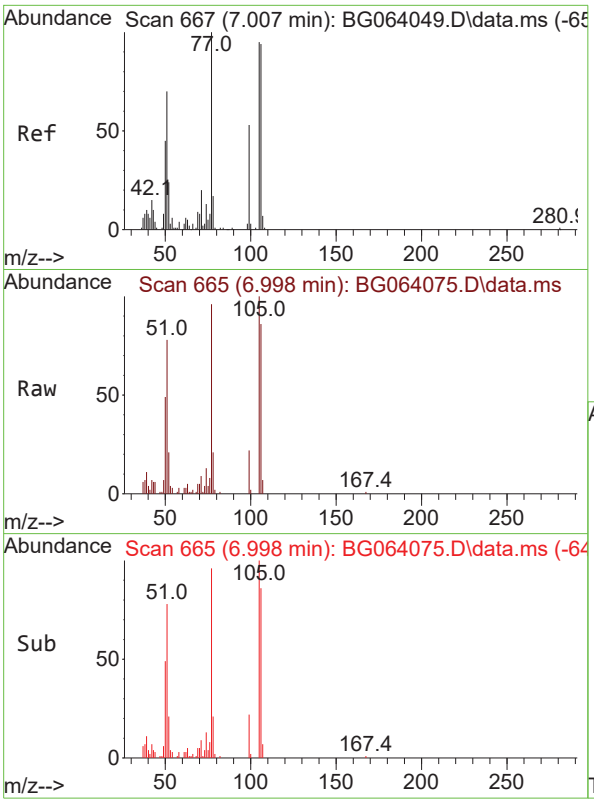


#8
2-Chlorophenol
Concen: 44.532 ng
RT: 7.427 min Scan# 738
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:128 Resp: 107800

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.3	52.3
64	55.8	37.0	77.0

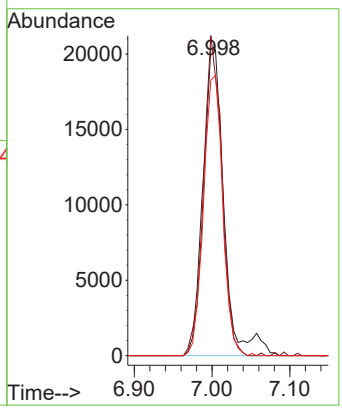




#9
Benzaldehyde
Concen: 21.489 ng m
RT: 6.998 min Scan# 6
Delta R.T. -0.009 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion: 77 Resp: 3832

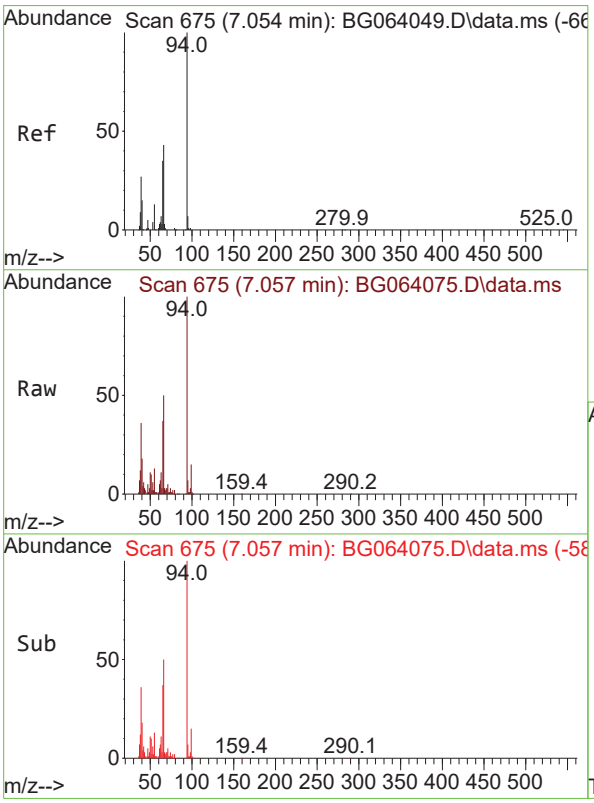
Ion	Ratio	Lower	Upper
77	100		
105	104.0	75.5	115.5
106	89.5	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
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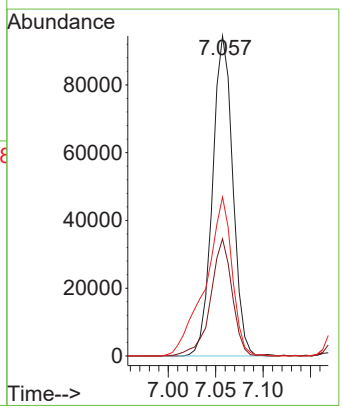
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

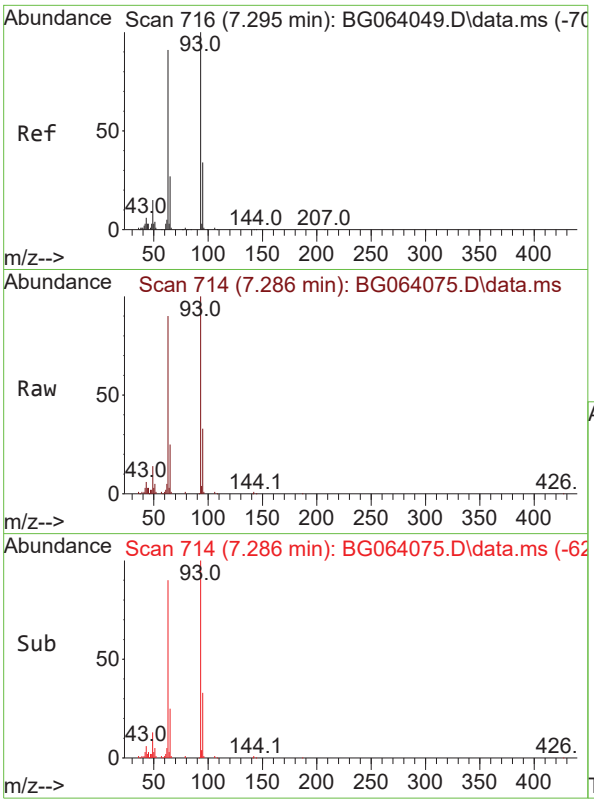


#10
Phenol
Concen: 44.812 ng
RT: 7.057 min Scan# 675
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion: 94 Resp: 140681

Ion	Ratio	Lower	Upper
94	100		
65	36.6	15.2	55.2
66	49.7	25.1	65.1





#11
bis(2-Chloroethyl)ether
Concen: 40.578 ng
RT: 7.286 min Scan# 7
Delta R.T. -0.008 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

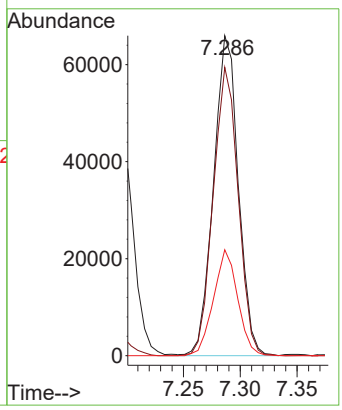
Tgt Ion: 93 Resp: 9987

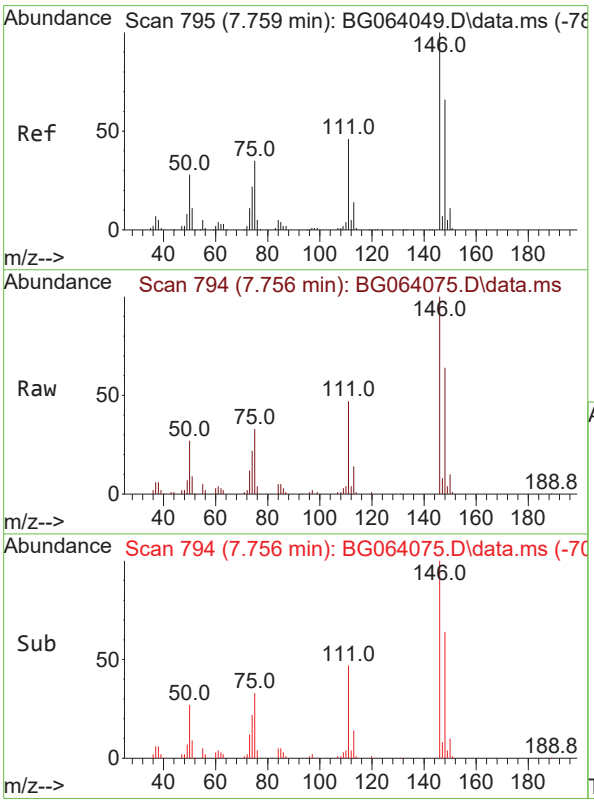
Ion	Ratio	Lower	Upper
93	100		
63	90.1	70.0	110.0
95	33.1	13.7	53.7

Instrument :
BNA_G
ClientSampleId :
PB167035BS

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Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

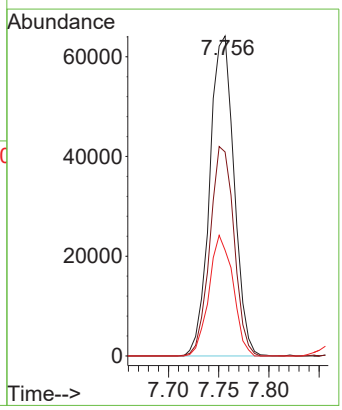


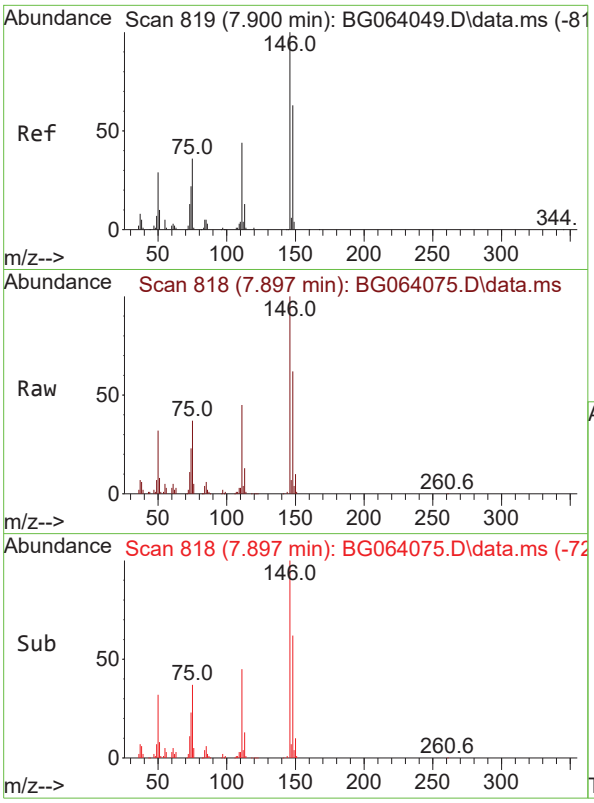


#12
1,3-Dichlorobenzene
Concen: 40.776 ng
RT: 7.756 min Scan# 794
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:146 Resp: 108395

Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.6	78.8
75	33.0	28.1	42.1





#13
1,4-Dichlorobenzene
Concen: 41.159 ng
RT: 7.897 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

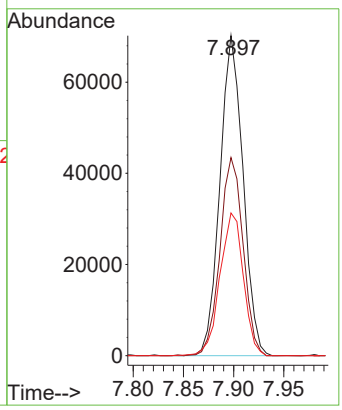
Tgt Ion:146 Resp: 11214

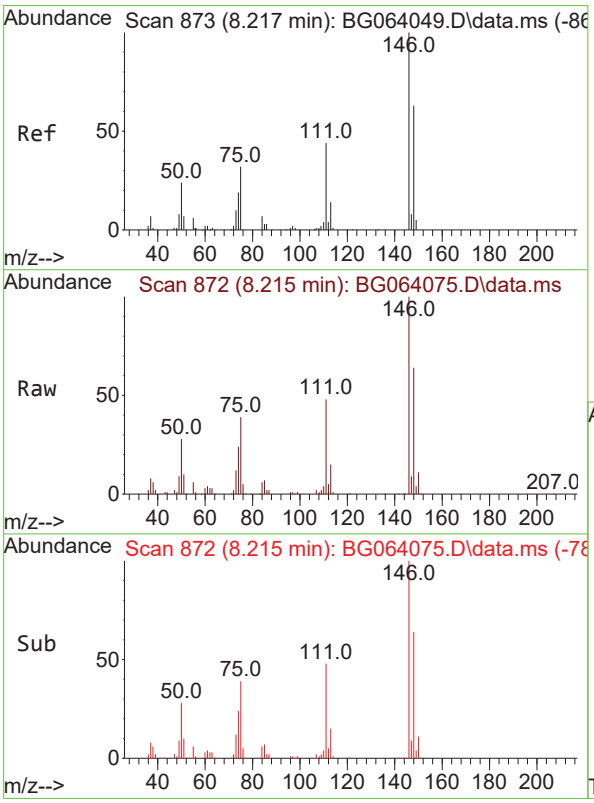
Ion	Ratio	Lower	Upper
146	100		
148	61.9	50.6	75.8
111	44.6	35.1	52.7

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
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Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

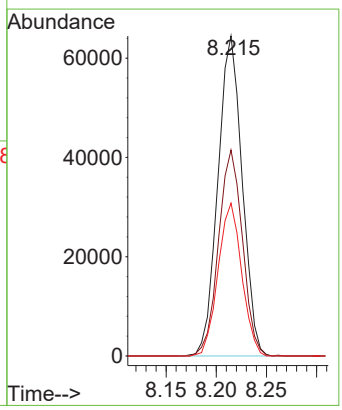


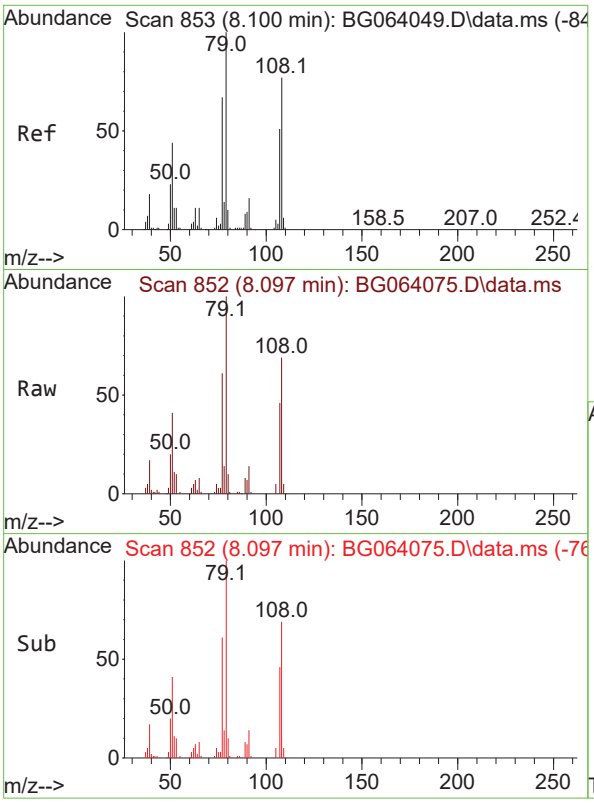


#14
1,2-Dichlorobenzene
Concen: 41.200 ng
RT: 8.215 min Scan# 872
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:146 Resp: 108249

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.2	75.2
111	47.7	36.4	54.6





#15
Benzyl Alcohol
Concen: 45.059 ng
RT: 8.097 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

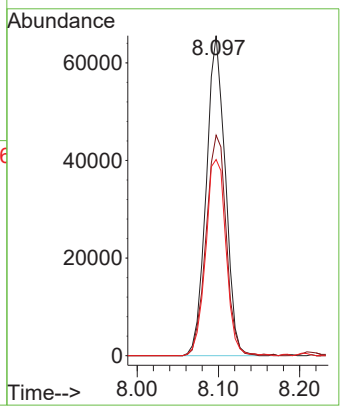
Tgt Ion: 79 Resp: 10676

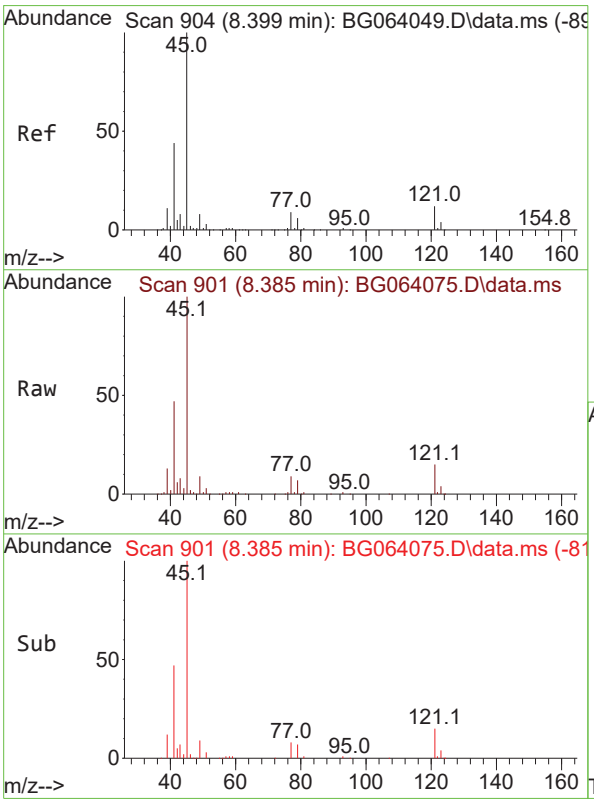
Ion	Ratio	Lower	Upper
79	100		
108	68.9	61.7	92.5
77	61.3	53.9	80.9

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
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Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

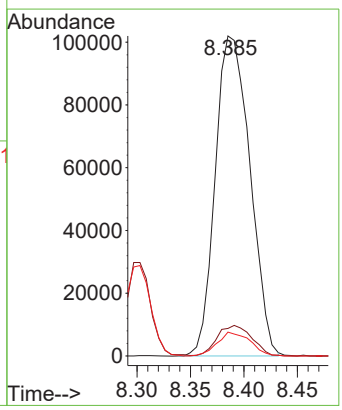


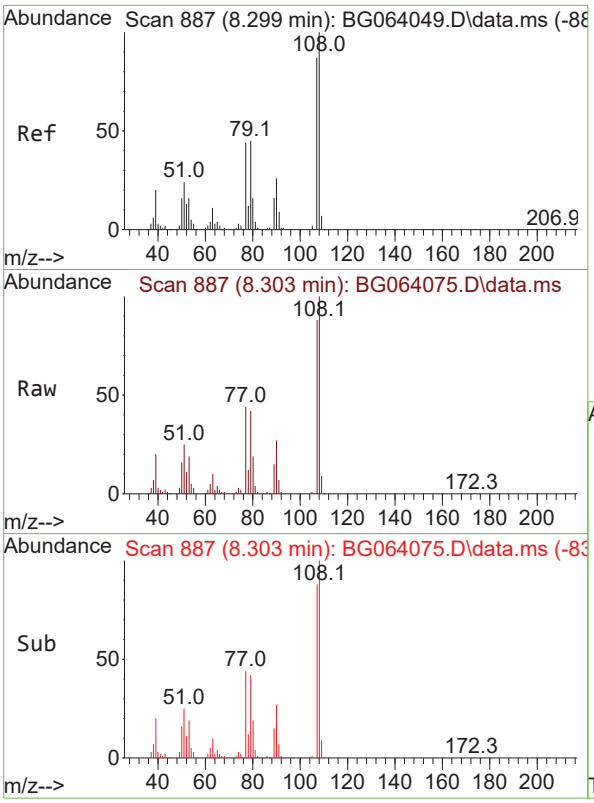


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.598 ng m
RT: 8.385 min Scan# 901
Delta R.T. -0.014 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion: 45 Resp: 230210

Ion	Ratio	Lower	Upper
45	100		
77	8.6	0.0	29.0
79	7.5	0.0	26.6

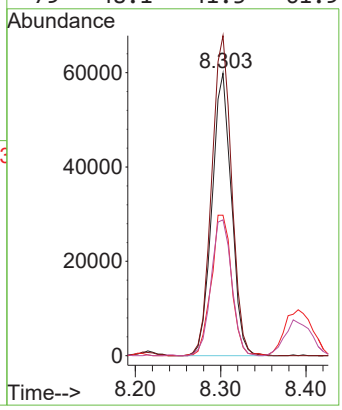




#17
2-Methylphenol
Concen: 45.577 ng
RT: 8.303 min Scan# 8
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:107 Resp: 9496

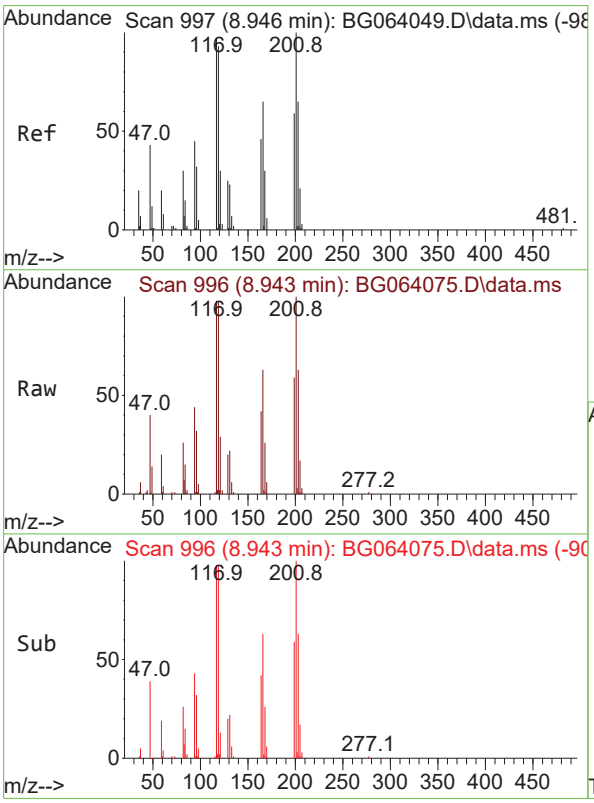
Ion	Ratio	Lower	Upper
107	100		
108	113.3	92.5	138.7
77	49.7	40.5	60.7
79	48.1	41.3	61.9



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
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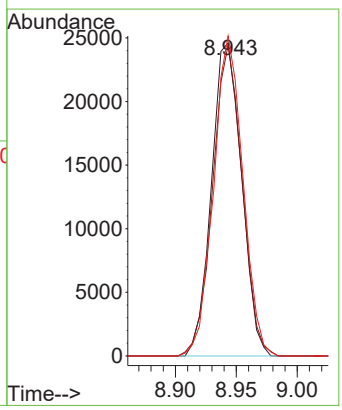
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

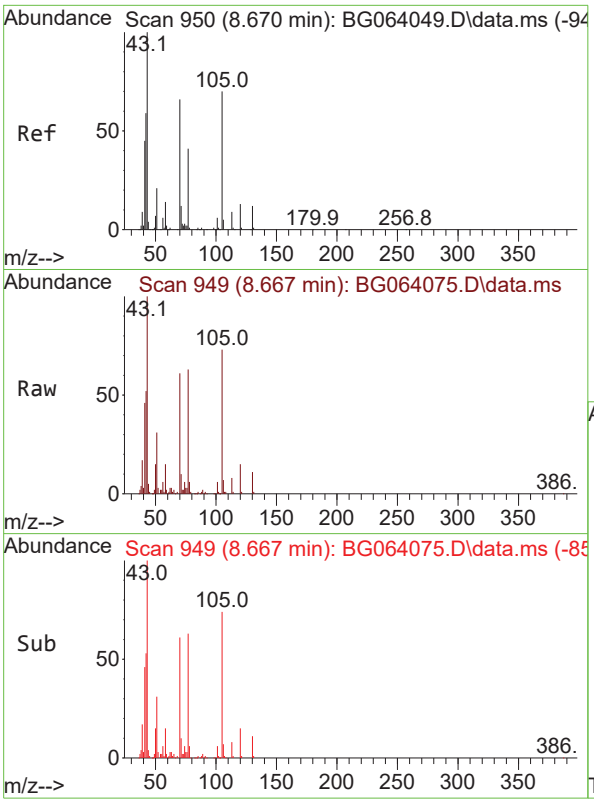


#18
Hexachloroethane
Concen: 44.309 ng
RT: 8.943 min Scan# 996
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:117 Resp: 42241

Ion	Ratio	Lower	Upper
117	100		
119	99.3	76.2	114.2
201	102.2	81.5	122.3

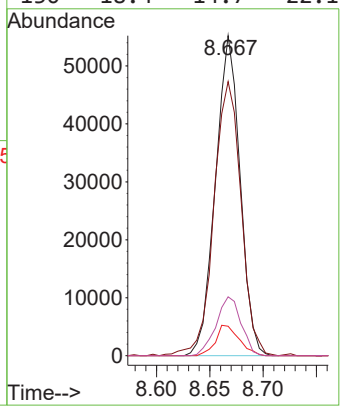




#19
n-Nitroso-di-n-propylamine
Concen: 41.135 ng
RT: 8.667 min Scan# 94
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion: 70 Resp: 8851

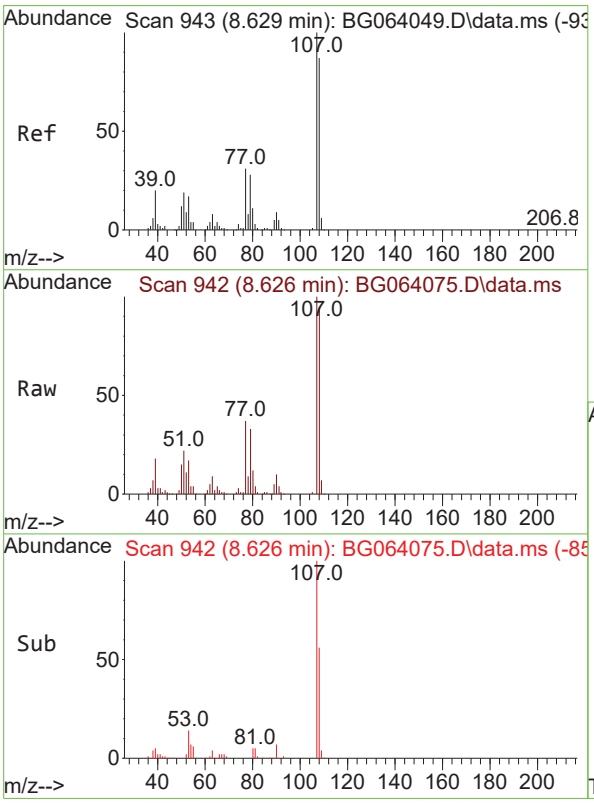
Ion	Ratio	Lower	Upper
70	100		
42	85.6	72.1	108.1
101	9.2	7.2	10.8
130	18.4	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

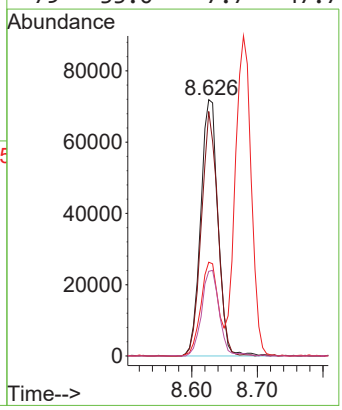
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

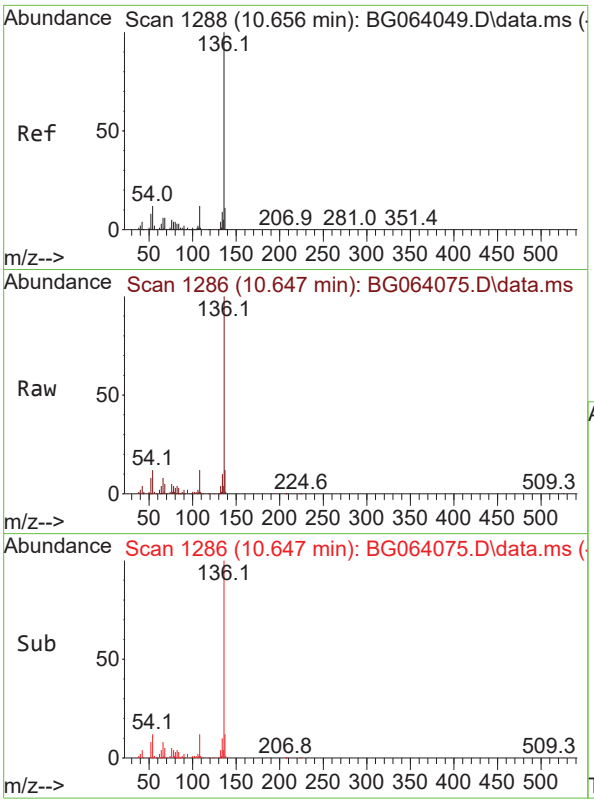


#20
3+4-Methylphenols
Concen: 46.044 ng
RT: 8.626 min Scan# 942
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:107 Resp: 132073

Ion	Ratio	Lower	Upper
107	100		
108	95.4	67.0	107.0
77	36.6	11.2	51.2
79	33.0	7.7	47.7

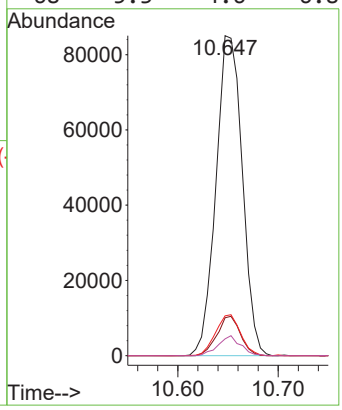




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.647 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:136 Resp: 15481

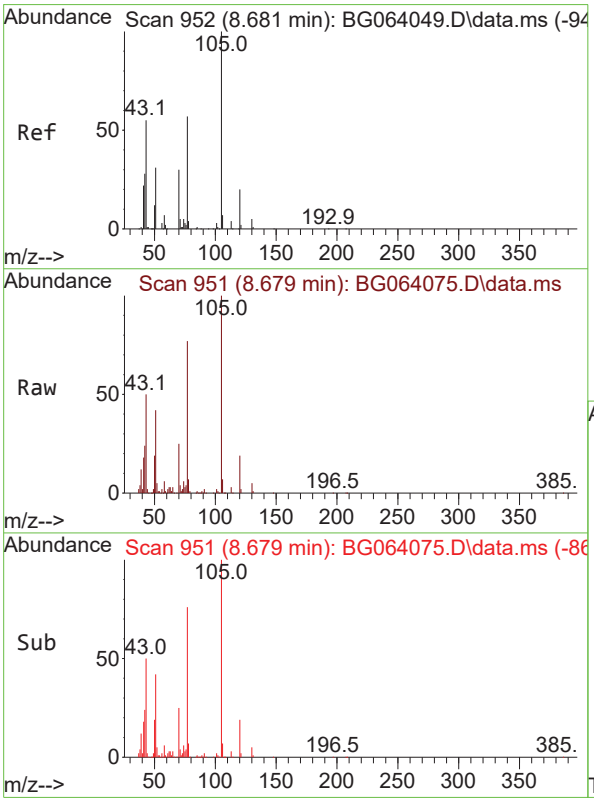
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.5	12.7
54	12.5	9.9	14.9
68	5.3	4.6	6.8



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

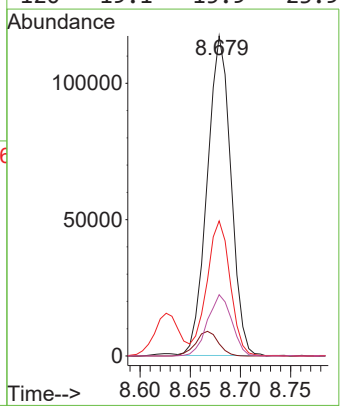
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

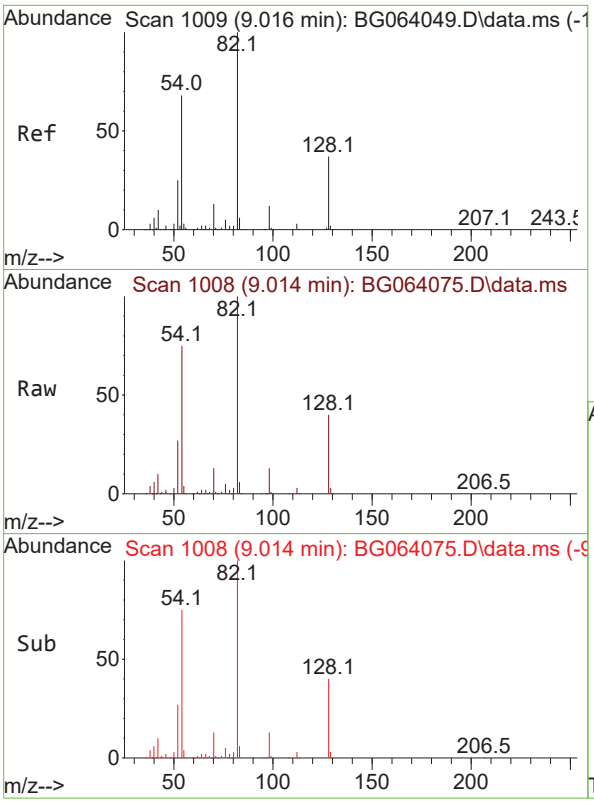


#22
Acetophenone
Concen: 45.410 ng
RT: 8.679 min Scan# 951
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:105 Resp: 192747

Ion	Ratio	Lower	Upper
105	100		
71	3.8	4.2	6.4#
51	42.2	33.3	49.9
120	19.1	15.9	23.9

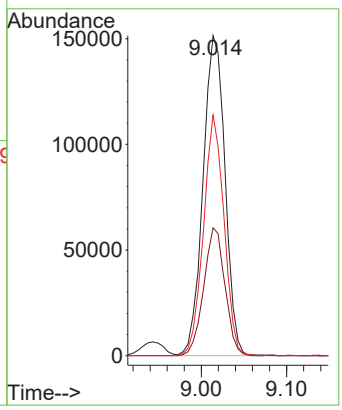




#23
Nitrobenzene-d5
Concen: 96.830 ng
RT: 9.014 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion: 82 Resp: 27125

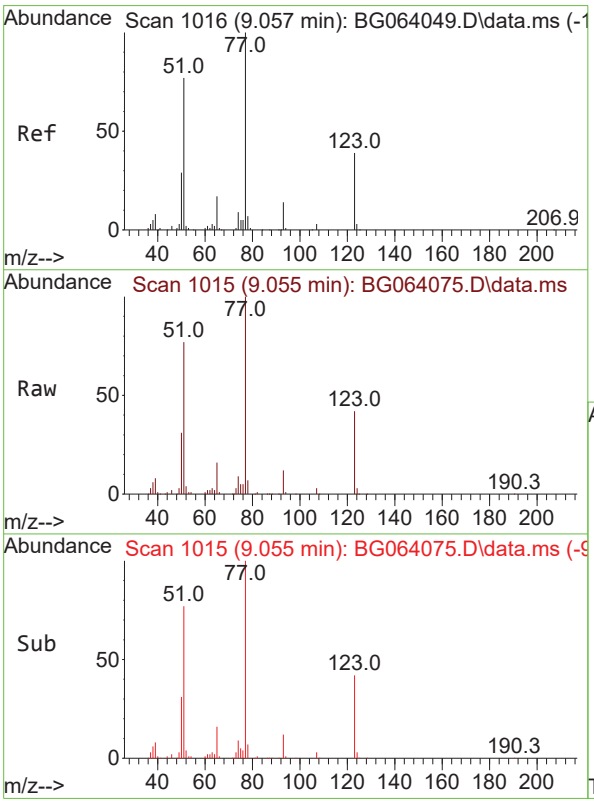
Ion	Ratio	Lower	Upper
82	100		
128	40.0	30.0	45.0
54	75.2	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
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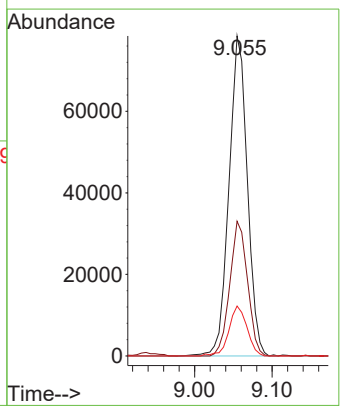
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

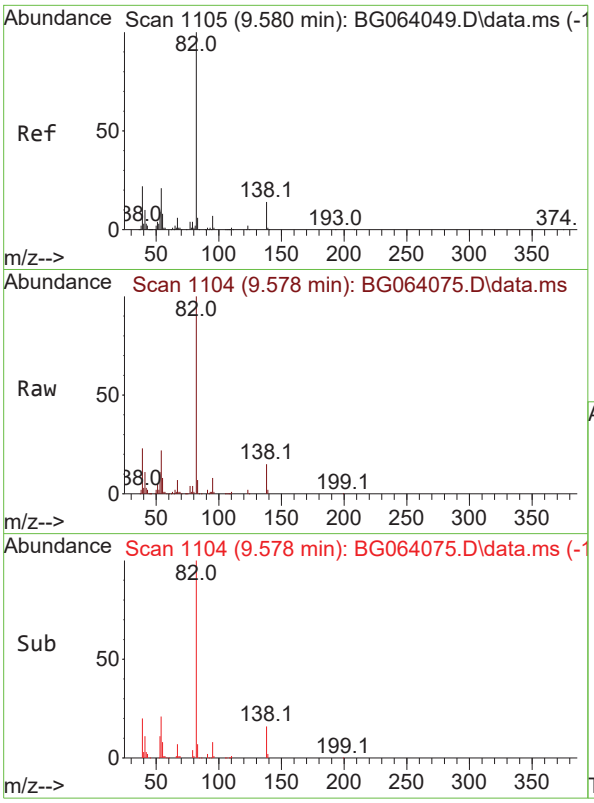


#24
Nitrobenzene
Concen: 44.708 ng
RT: 9.055 min Scan# 1015
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion: 77 Resp: 129434

Ion	Ratio	Lower	Upper
77	100		
123	42.1	31.4	47.2
65	15.6	13.4	20.0

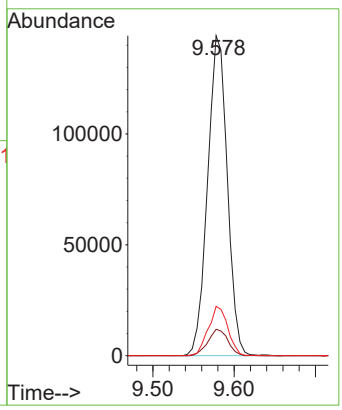




#25
Isophorone
Concen: 43.330 ng
RT: 9.578 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion: 82 Resp: 24295

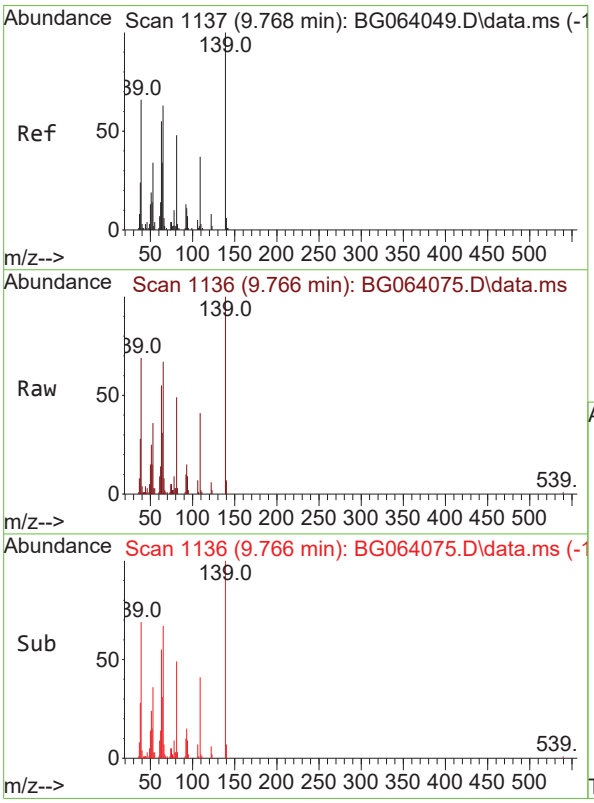
Ion	Ratio	Lower	Upper
82	100		
95	8.2	5.8	8.8
138	15.4	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
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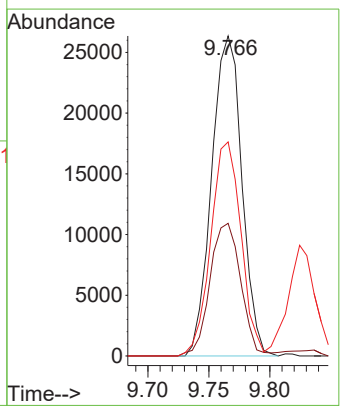
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

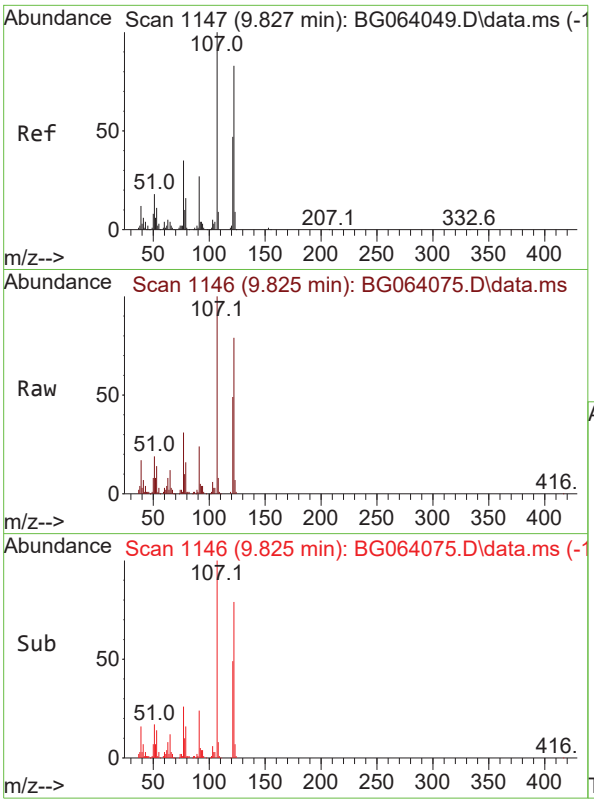


#26
2-Nitrophenol
Concen: 45.930 ng
RT: 9.766 min Scan# 1136
Delta R.T. -0.002 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:139 Resp: 45482

Ion	Ratio	Lower	Upper
139	100		
109	41.5	29.9	44.9
65	66.9	50.6	76.0





#27
2,4-Dimethylphenol
Concen: 58.412 ng
RT: 9.825 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

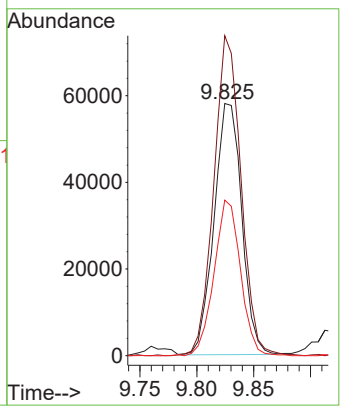
Tgt Ion:122 Resp: 9818

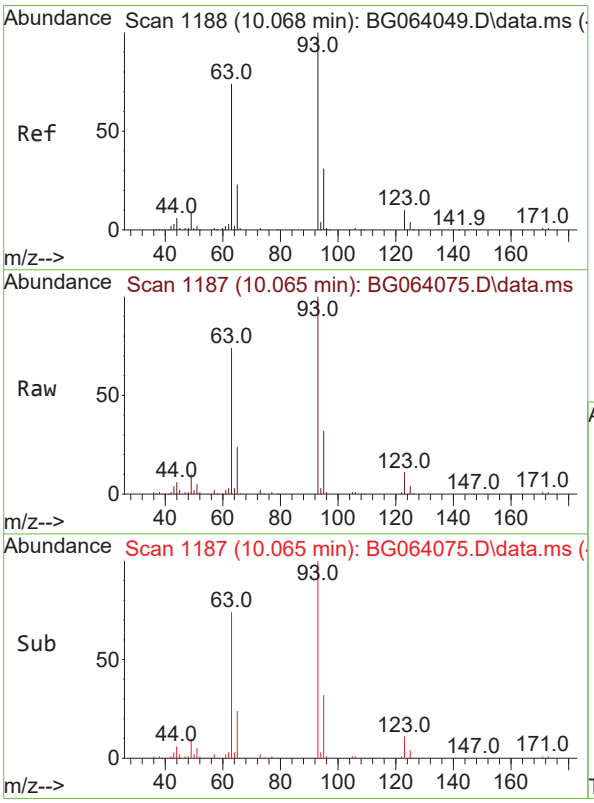
Ion	Ratio	Lower	Upper
122	100		
107	126.9	95.4	143.0
121	61.7	44.9	67.3

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

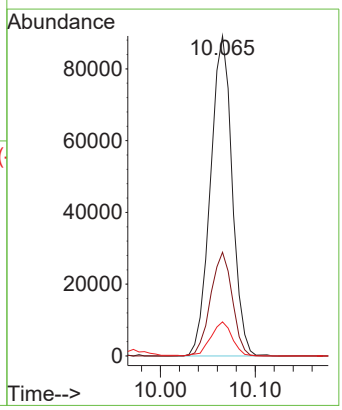


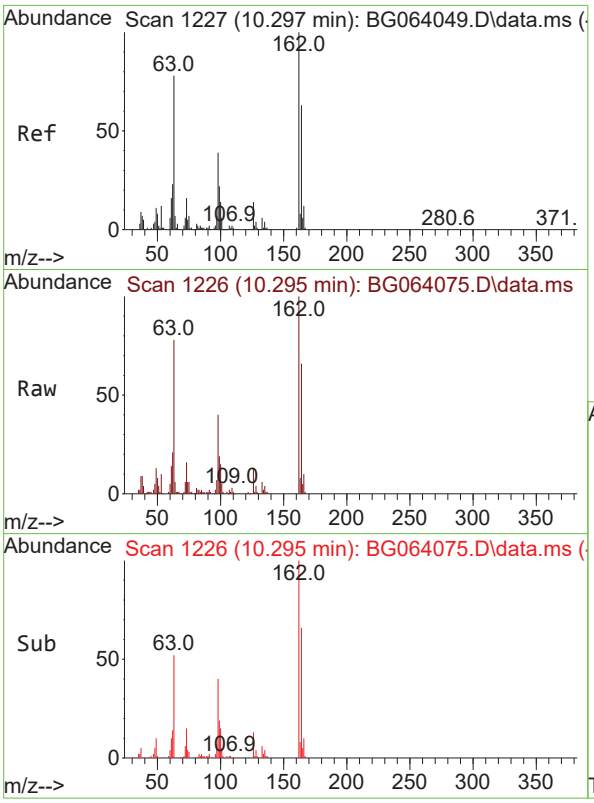


#28
bis(2-Chloroethoxy)methane
Concen: 41.702 ng
RT: 10.065 min Scan# 1187
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion: 93 Resp: 141763

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.0	37.4
123	10.6	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 47.279 ng
RT: 10.295 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

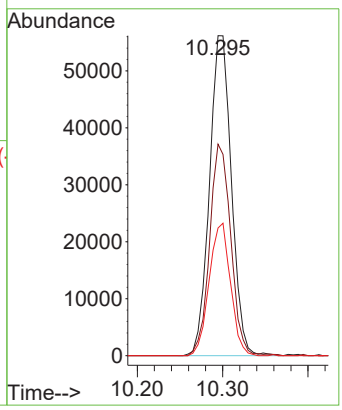
Tgt Ion:162 Resp: 10035

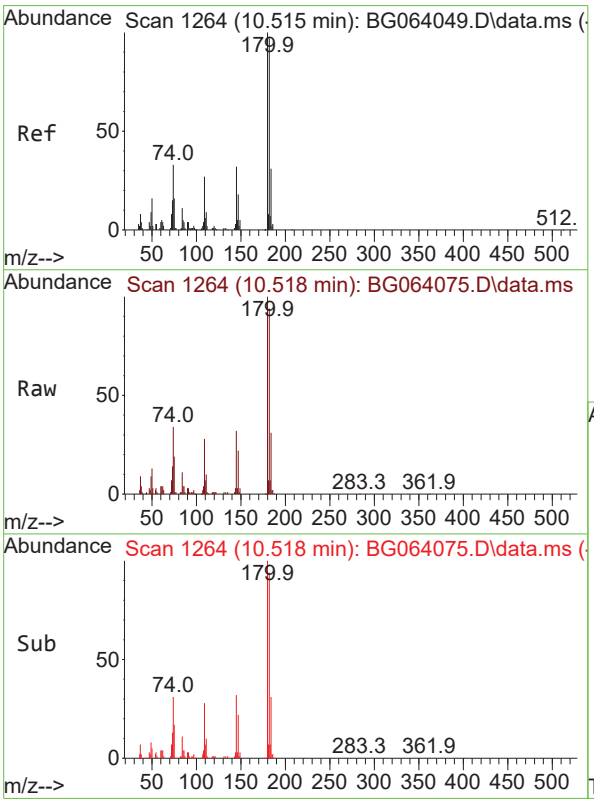
Ion	Ratio	Lower	Upper
162	100		
164	66.1	42.8	82.8
98	39.9	19.1	59.1

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
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Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

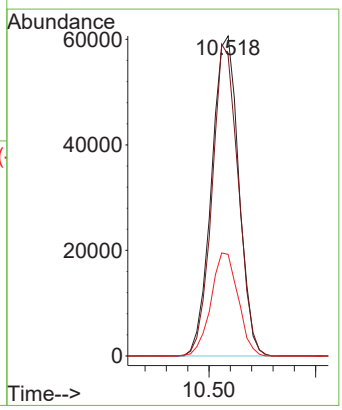


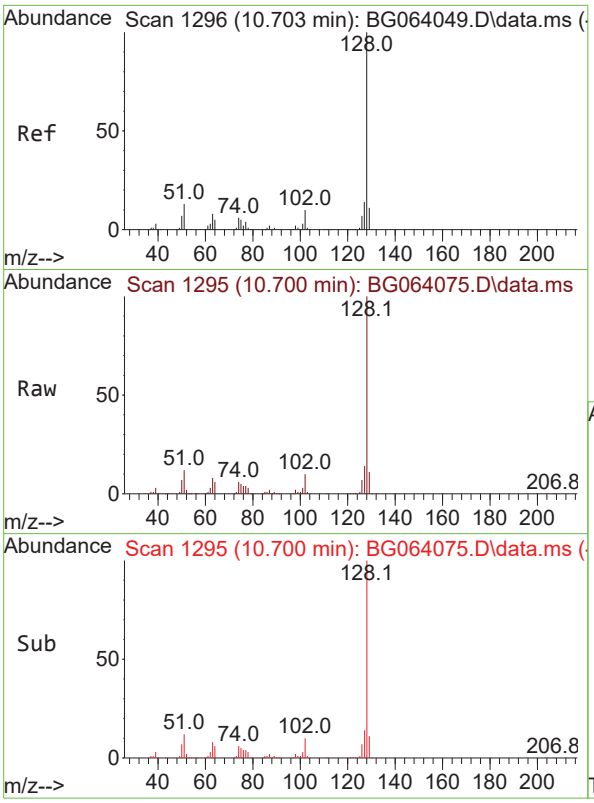


#30
1,2,4-Trichlorobenzene
Concen: 41.766 ng
RT: 10.518 min Scan# 1264
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:180 Resp: 107016

Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.3	115.9
145	31.8	25.2	37.8

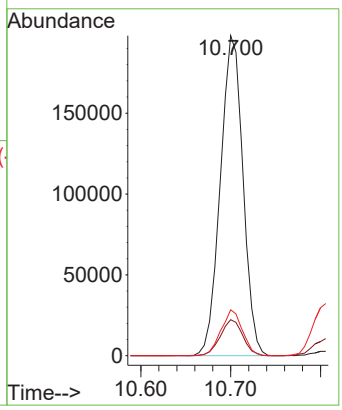




#31
Naphthalene
Concen: 41.473 ng
RT: 10.700 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:128 Resp: 34620

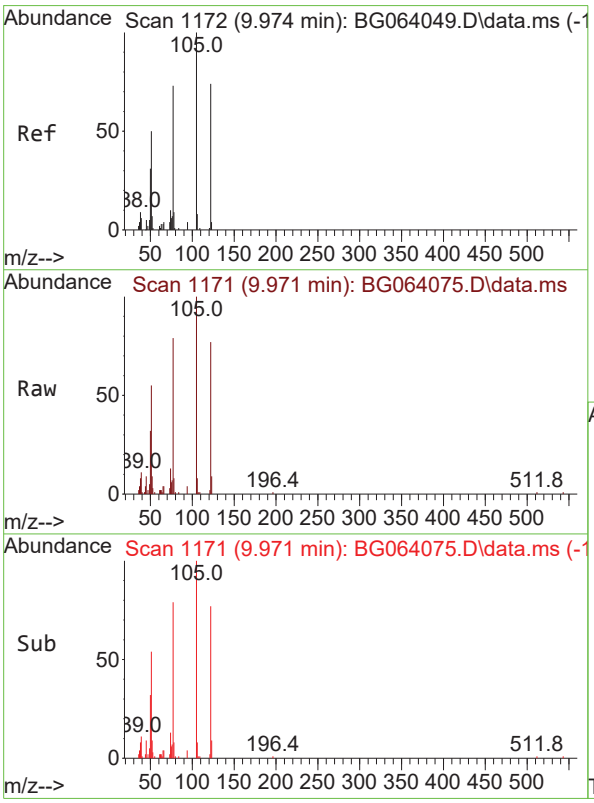
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.4	12.6
127	14.4	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
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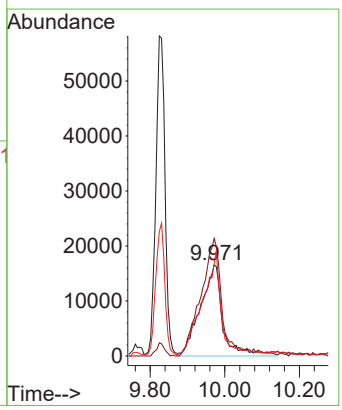
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

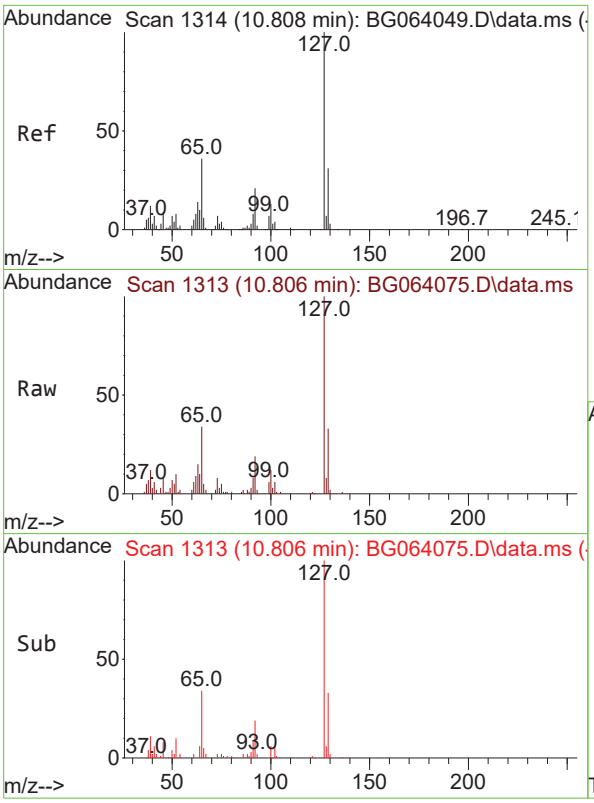


#32
Benzoic acid
Concen: 45.164 ng m
RT: 9.971 min Scan# 1171
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:122 Resp: 68746

Ion	Ratio	Lower	Upper
122	100		
105	129.2	115.0	155.0
77	101.6	80.9	120.9

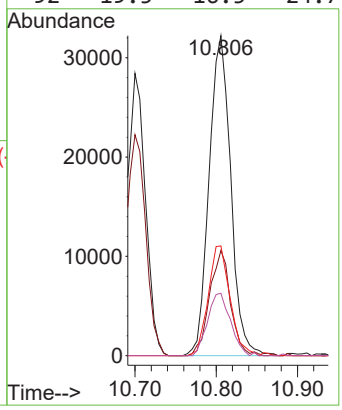




#33
4-Chloroaniline
Concen: 19.581 ng
RT: 10.806 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:127 Resp: 5974

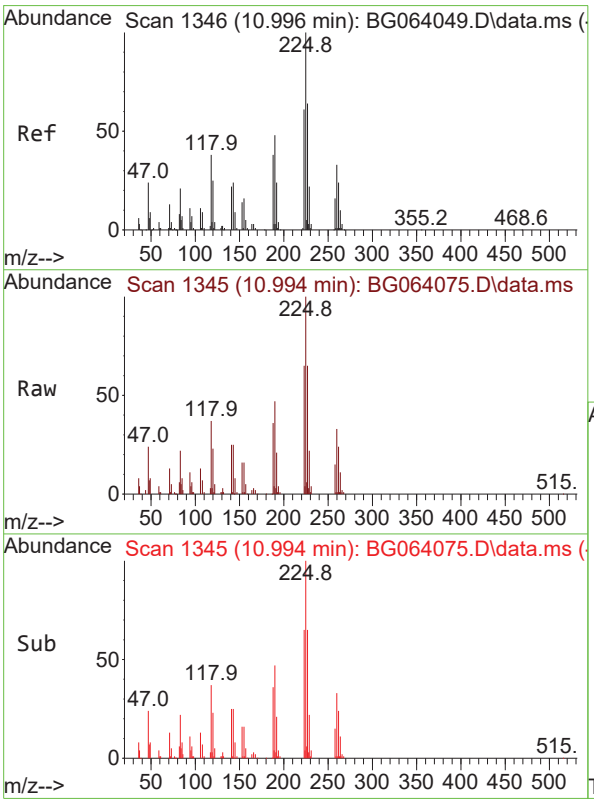
Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.0	37.4
65	34.3	28.5	42.7
92	19.5	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

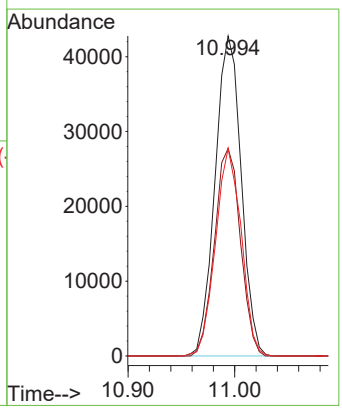
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

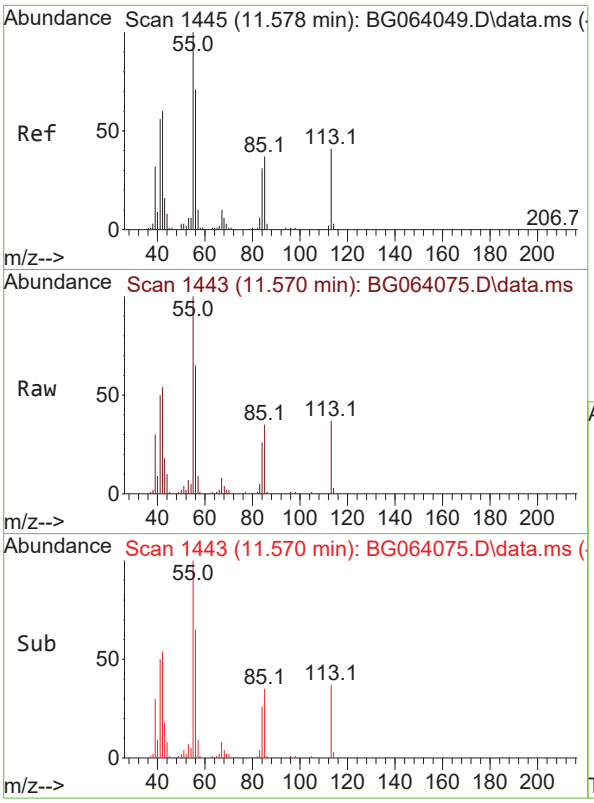


#34
Hexachlorobutadiene
Concen: 43.397 ng
RT: 10.994 min Scan# 1345
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:225 Resp: 72884

Ion	Ratio	Lower	Upper
225	100		
223	64.9	48.5	72.7
227	64.9	51.0	76.6

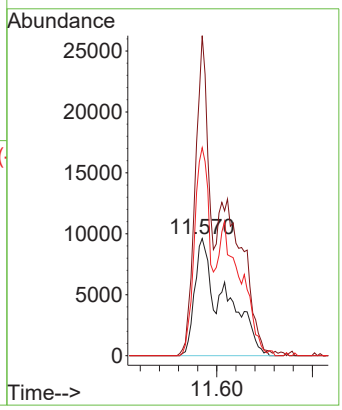




#35
Caprolactam
Concen: 51.367 ng m
RT: 11.570 min Scan# 14
Delta R.T. -0.008 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:113 Resp: 4178

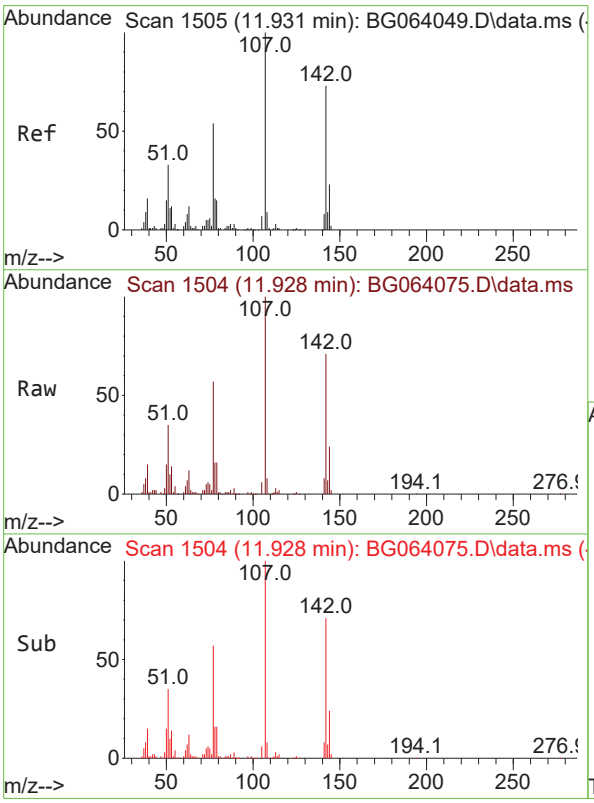
Ion	Ratio	Lower	Upper
113	100		
55	273.2	225.2	265.2
56	177.6	153.4	193.4



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

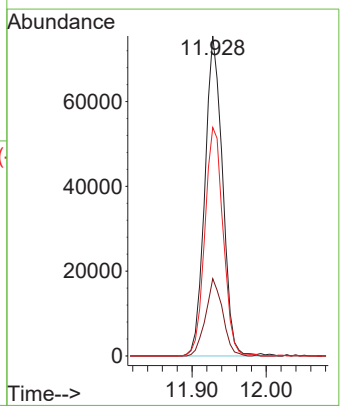
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

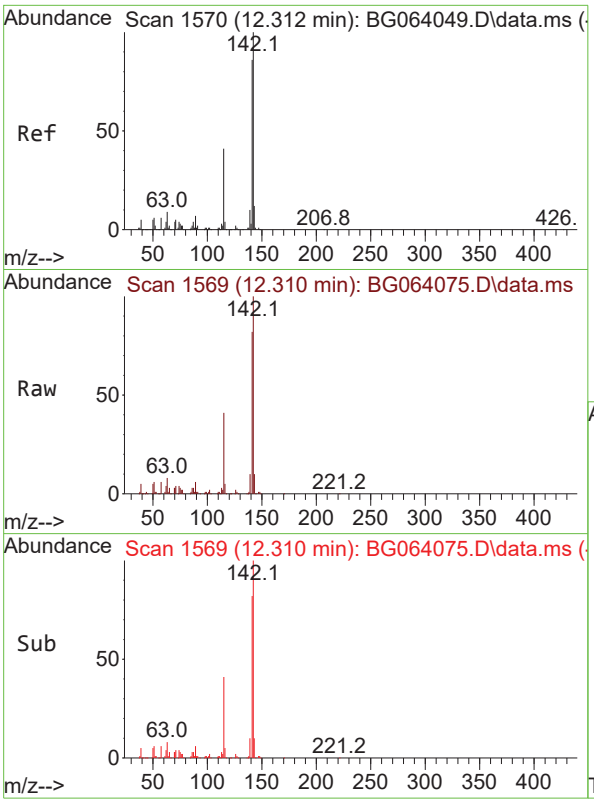


#36
4-Chloro-3-methylphenol
Concen: 44.847 ng
RT: 11.928 min Scan# 1504
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:107 Resp: 124775

Ion	Ratio	Lower	Upper
107	100		
144	24.1	18.6	28.0
142	71.4	58.0	87.0

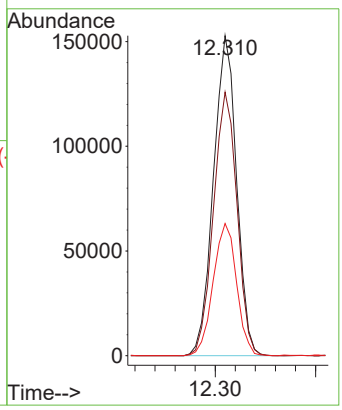




#37
2-Methylnaphthalene
Concen: 41.518 ng
RT: 12.310 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:142 Resp: 24467

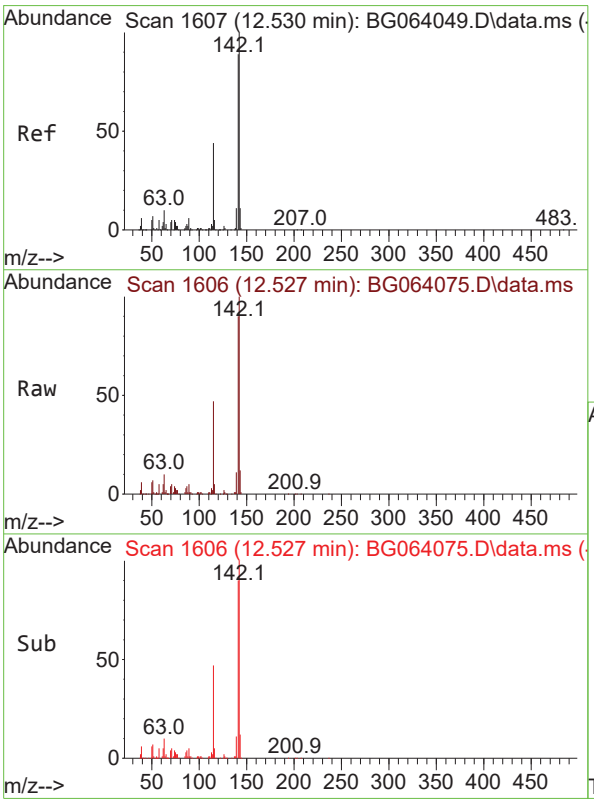
Ion	Ratio	Lower	Upper
142	100		
141	82.3	68.6	103.0
115	41.3	32.8	49.2



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
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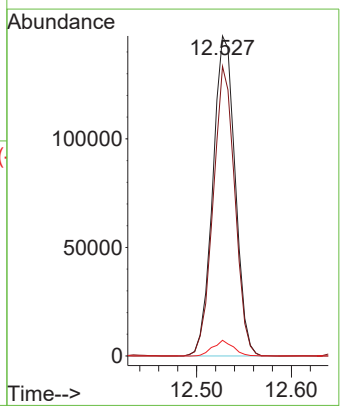
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

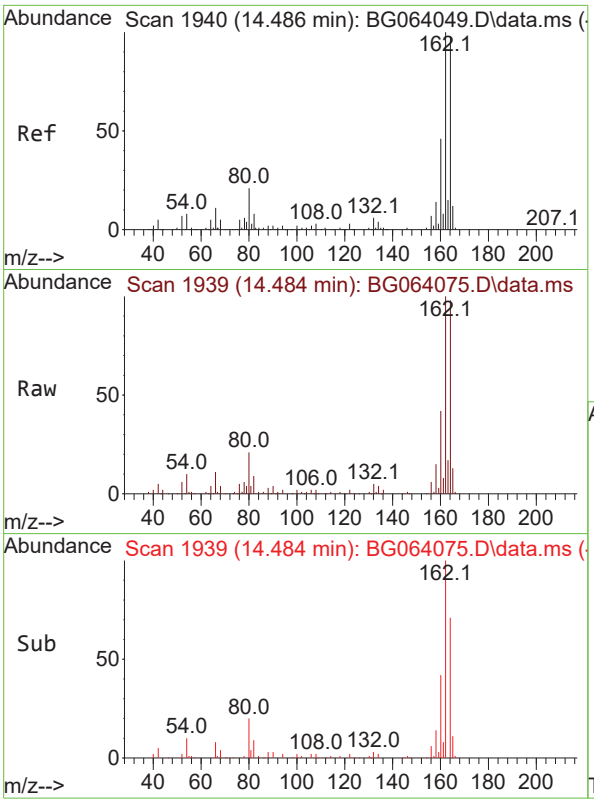


#38
1-Methylnaphthalene
Concen: 41.788 ng
RT: 12.527 min Scan# 1606
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:142 Resp: 241268

Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.2	106.8
116	4.9	3.6	5.4

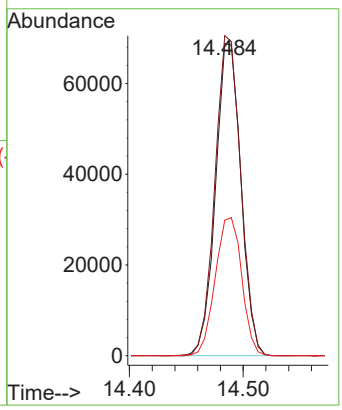




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.484 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:164 Resp: 10681

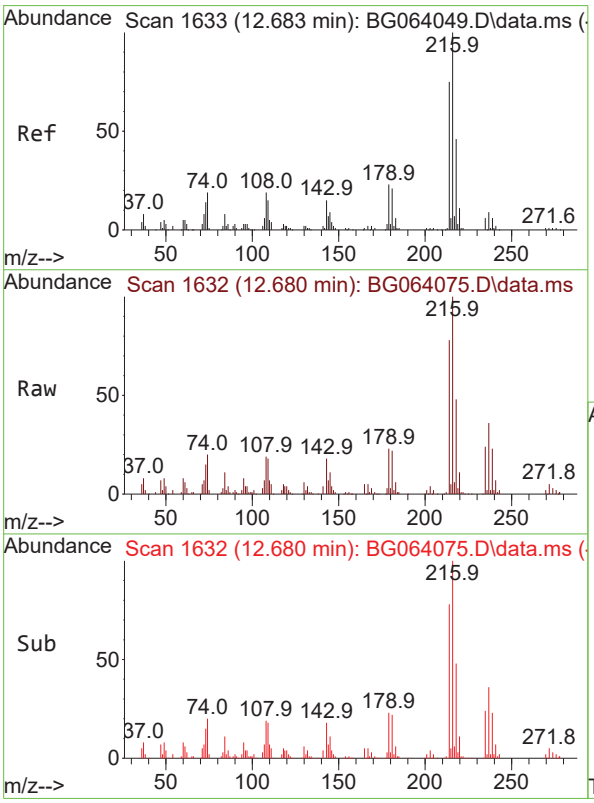
Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.4	122.0
160	43.4	37.0	55.6



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
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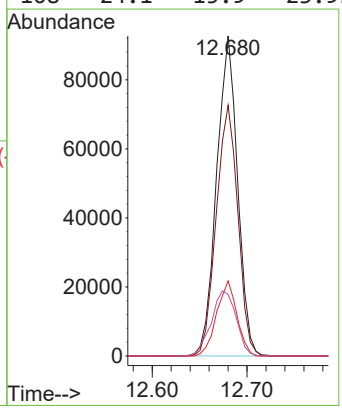
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Supervised By :Jagrut Upadhyay 03/11/2025

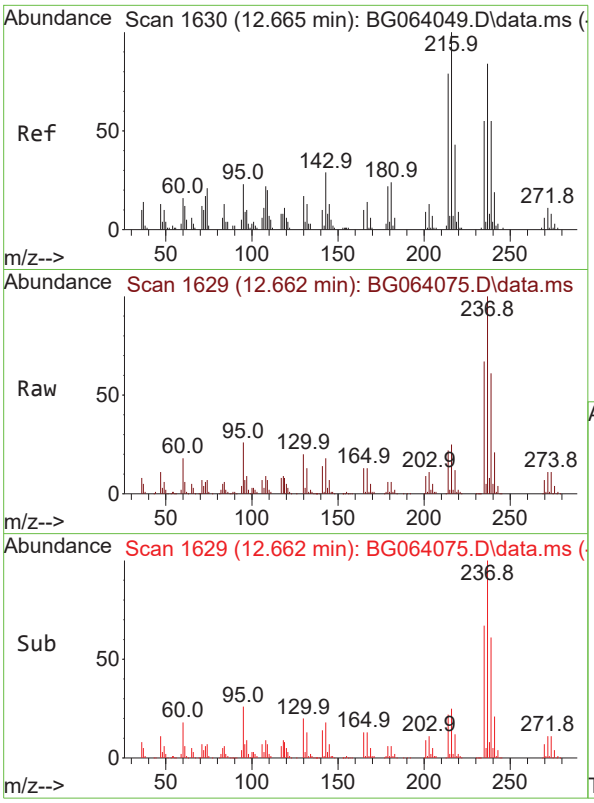


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.717 ng
RT: 12.680 min Scan# 1632
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:216 Resp: 142467

Ion	Ratio	Lower	Upper
216	100		
214	80.7	61.7	92.5
179	22.6	17.9	26.9
108	24.1	15.9	23.9#

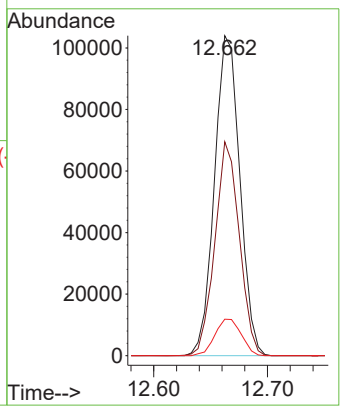




#41
Hexachlorocyclopentadiene
Concen: 187.650 ng
RT: 12.662 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:237 Resp: 16106

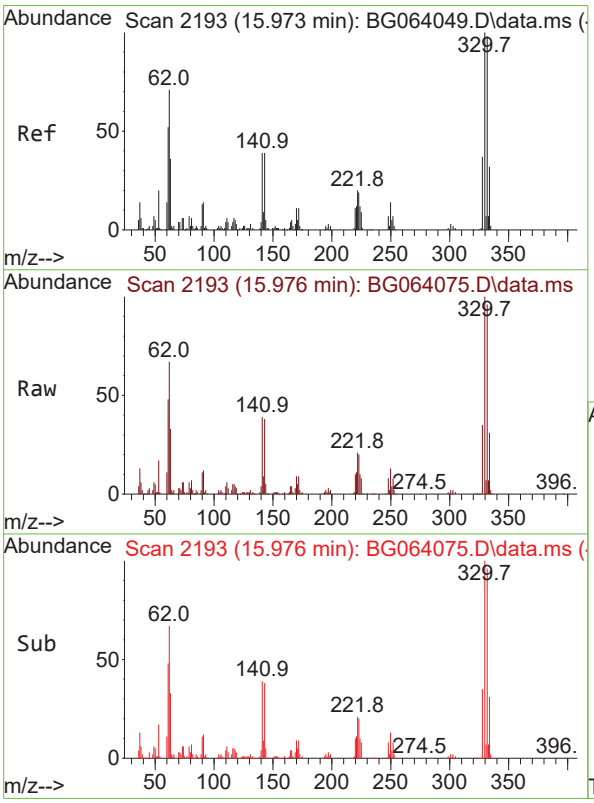
Ion	Ratio	Lower	Upper
237	100		
235	66.8	46.0	86.0
272	11.4	0.0	32.8



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
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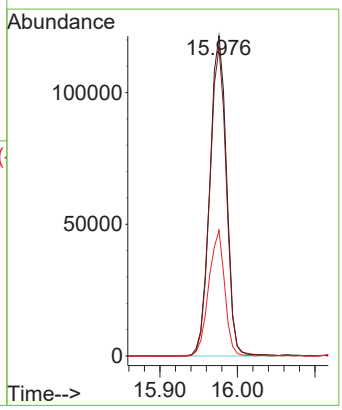
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

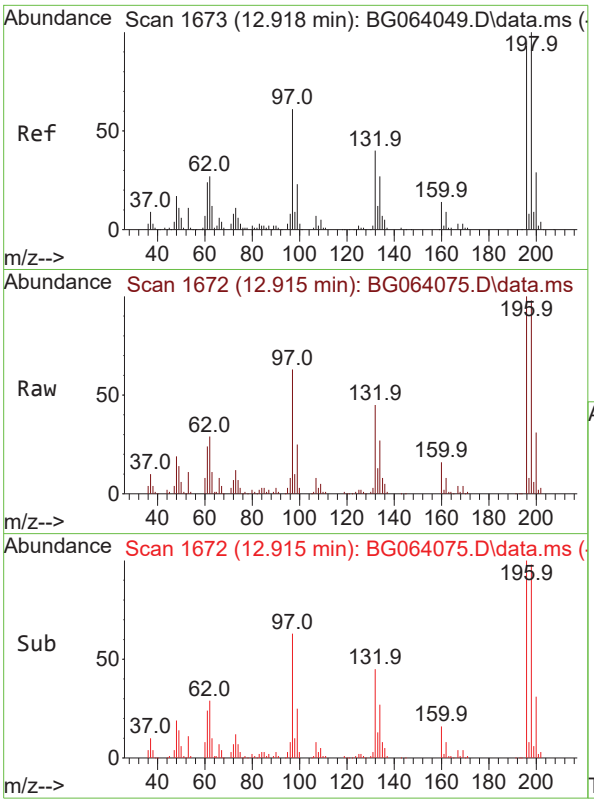


#42
2,4,6-Tribromophenol
Concen: 153.621 ng
RT: 15.976 min Scan# 2193
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:330 Resp: 182401

Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.7	115.1
141	37.3	29.7	44.5

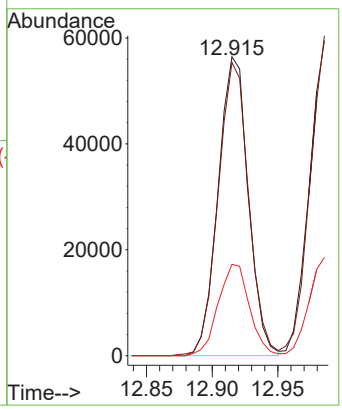




#43
2,4,6-Trichlorophenol
Concen: 50.214 ng
RT: 12.915 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:196 Resp: 9025

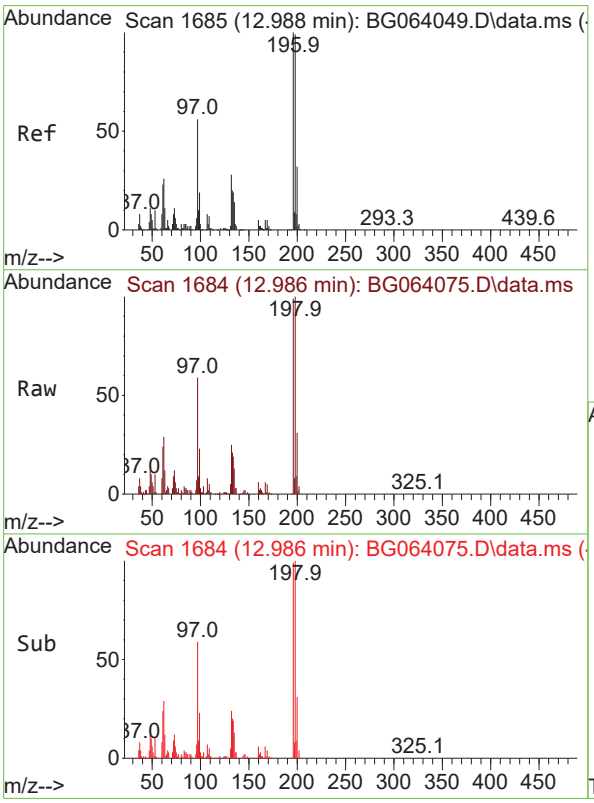
Ion	Ratio	Lower	Upper
196	100		
198	98.1	85.6	128.4
200	30.6	24.6	37.0



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
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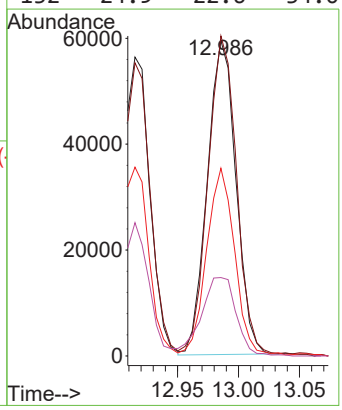
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

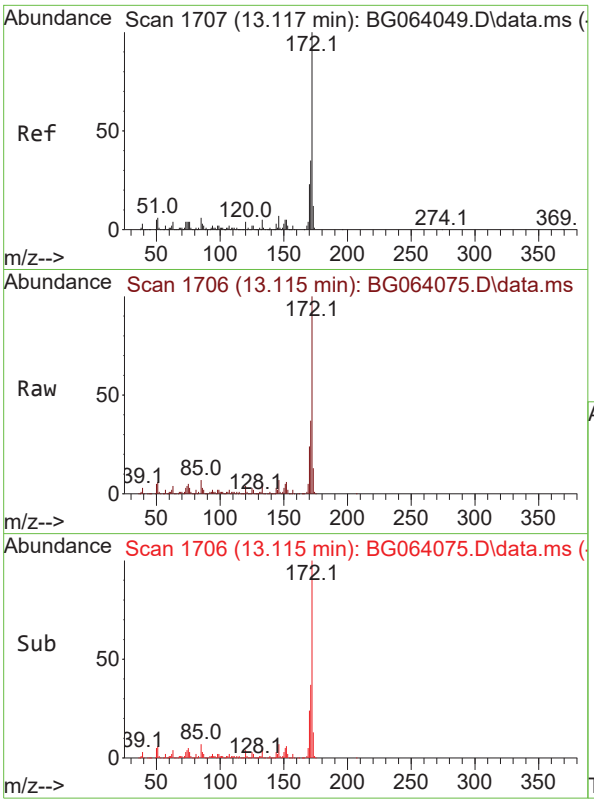


#44
2,4,5-Trichlorophenol
Concen: 48.673 ng
RT: 12.986 min Scan# 1684
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:196 Resp: 97202

Ion	Ratio	Lower	Upper
196	100		
198	101.5	79.5	119.3
97	59.5	45.2	67.8
132	24.9	22.6	34.0

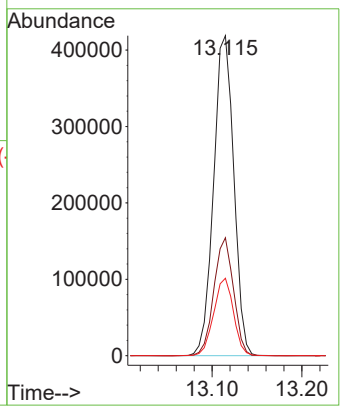




#45
2-Fluorobiphenyl
Concen: 92.773 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:172 Resp: 65286

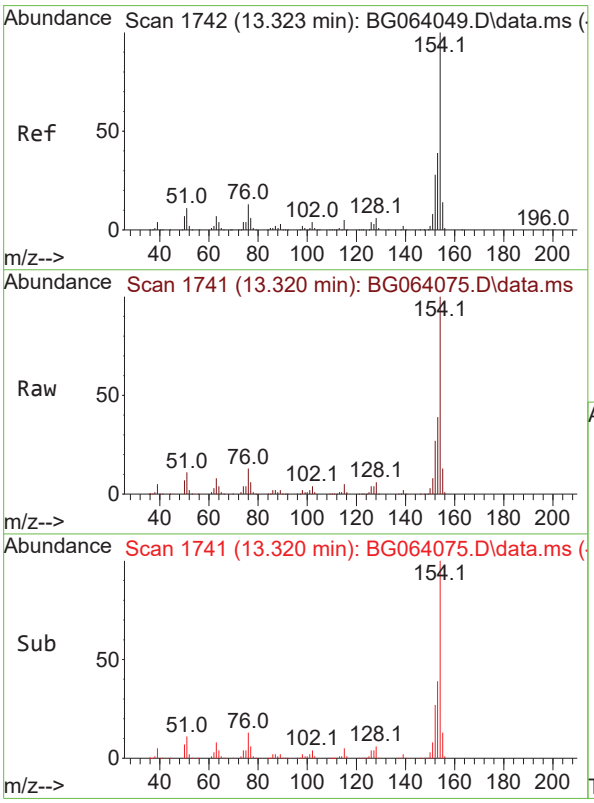
Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.0	42.0
170	24.2	18.7	28.1



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

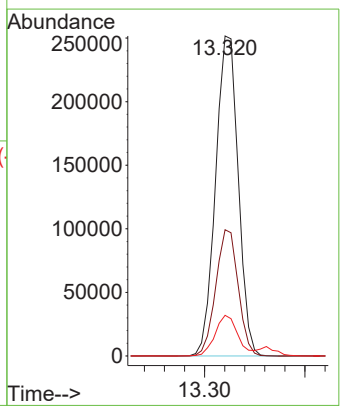
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

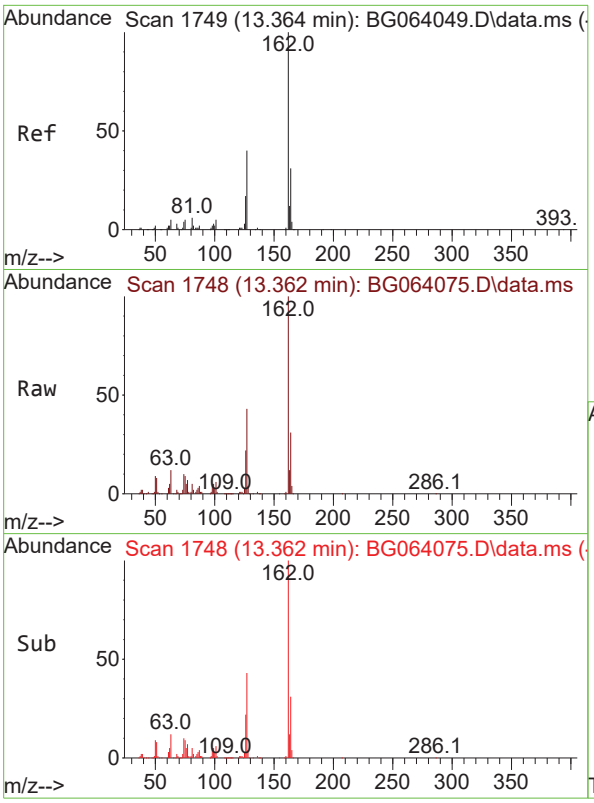


#46
1,1'-Biphenyl
Concen: 48.778 ng
RT: 13.320 min Scan# 1741
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:154 Resp: 393645

Ion	Ratio	Lower	Upper
154	100		
153	39.4	19.5	59.5
76	12.7	0.0	33.5

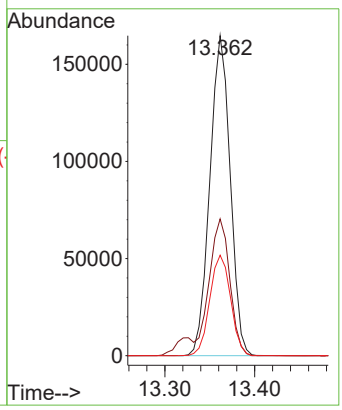




#47
2-Chloronaphthalene
Concen: 44.100 ng
RT: 13.362 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:162 Resp: 25956

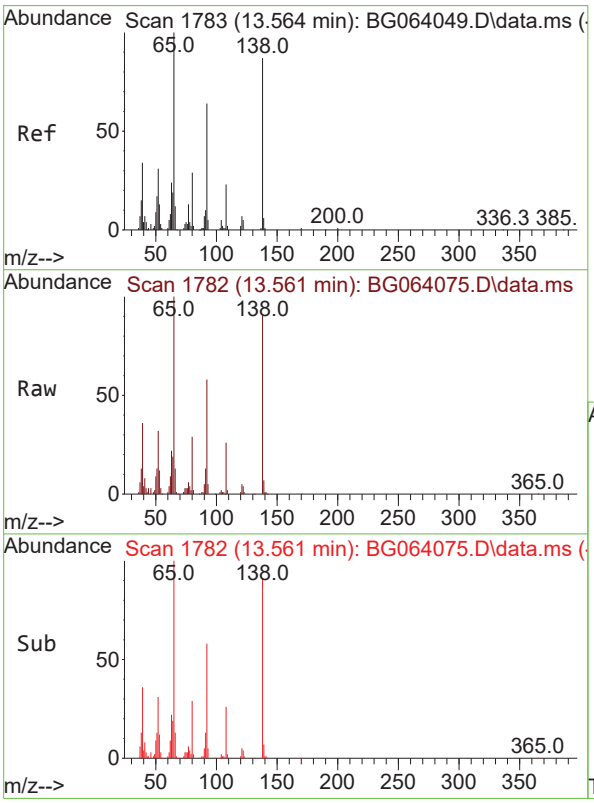
Ion	Ratio	Lower	Upper
162	100		
127	42.7	35.0	52.4
164	31.4	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

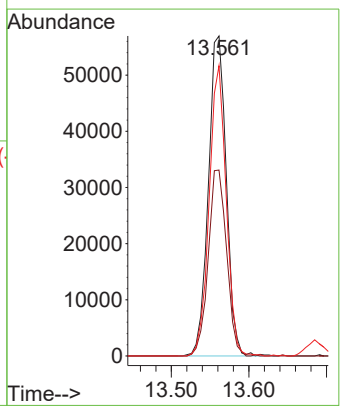
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

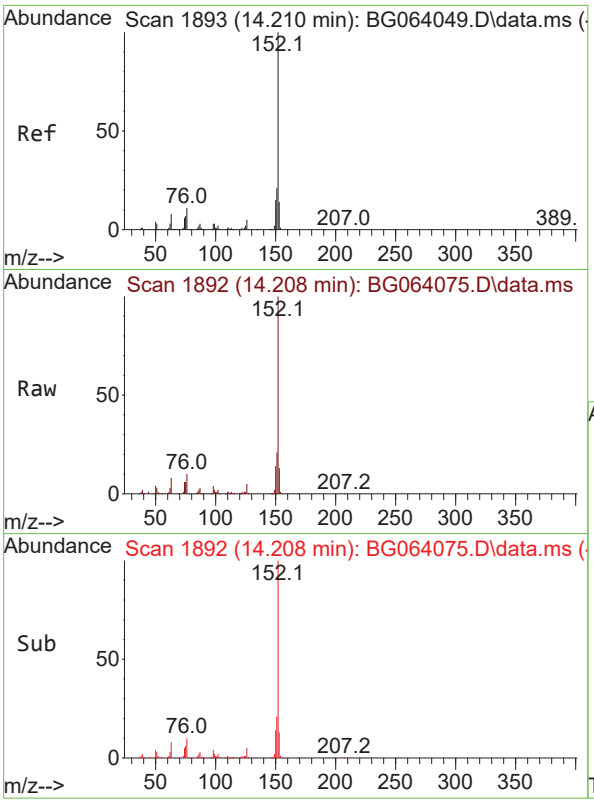


#48
2-Nitroaniline
Concen: 46.946 ng
RT: 13.561 min Scan# 1782
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion: 65 Resp: 91303

Ion	Ratio	Lower	Upper
65	100		
92	58.1	51.2	76.8
138	90.7	69.4	104.2

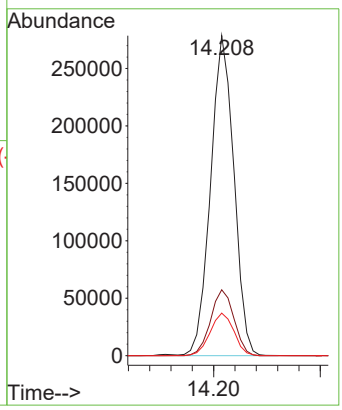




#49
Acenaphthylene
Concen: 45.482 ng
RT: 14.208 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:152 Resp: 42342

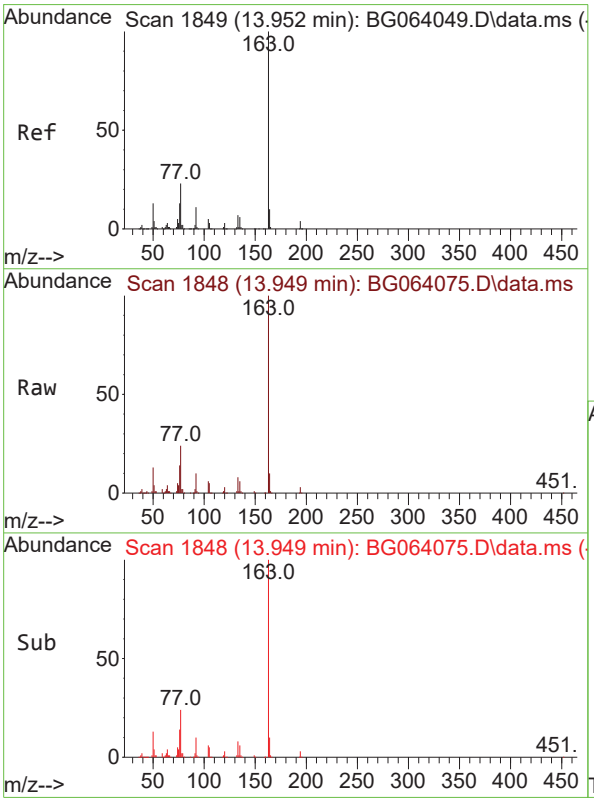
Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.4	24.6
153	13.3	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

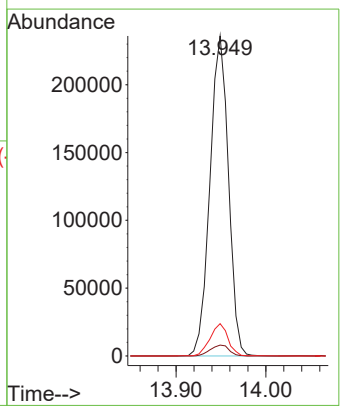
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

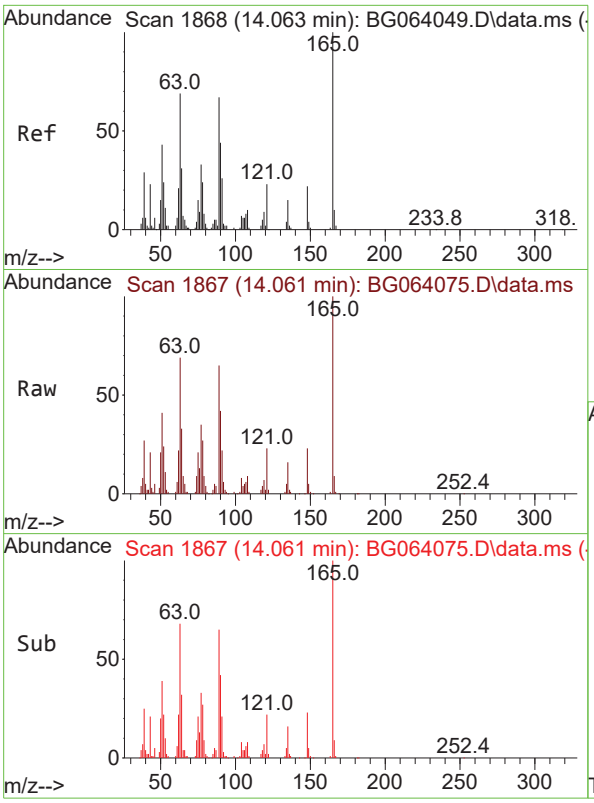


#50
Dimethylphthalate
Concen: 42.802 ng
RT: 13.949 min Scan# 1848
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:163 Resp: 337492

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.1	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 44.023 ng
RT: 14.061 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

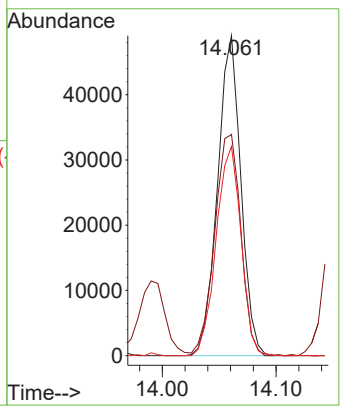
Tgt Ion:165 Resp: 6994

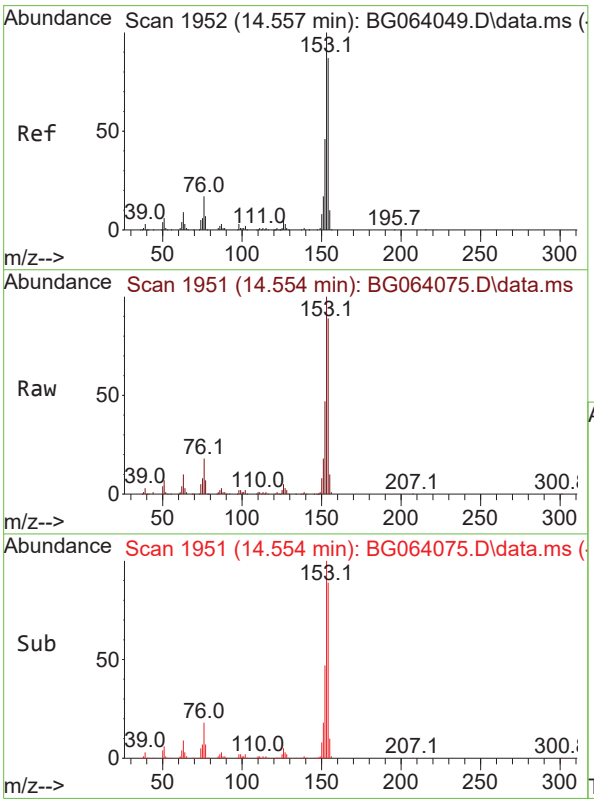
Ion	Ratio	Lower	Upper
165	100		
63	69.2	56.7	85.1
89	65.4	53.7	80.5

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

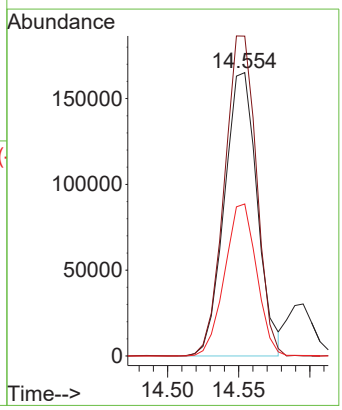


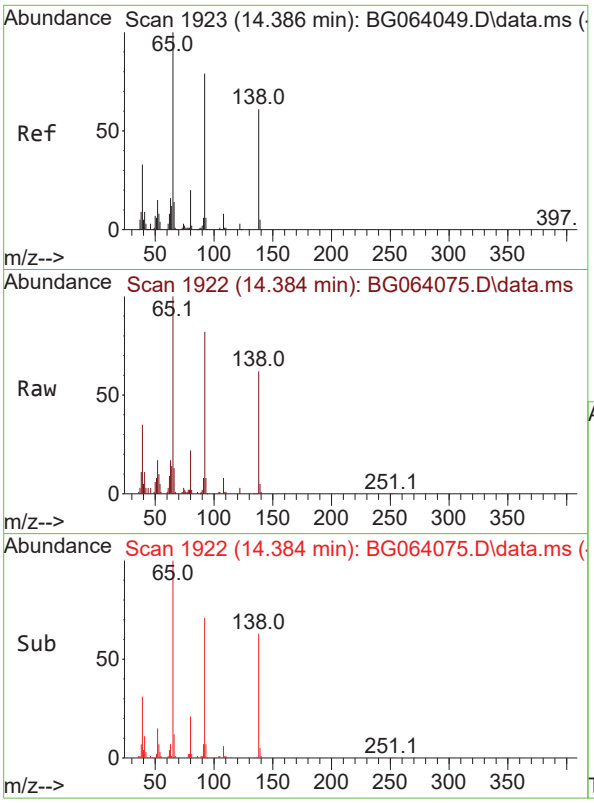


#52
Acenaphthene
Concen: 42.585 ng
RT: 14.554 min Scan# 1951
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:154 Resp: 266063

Ion	Ratio	Lower	Upper
154	100		
153	112.9	91.6	137.4
152	53.6	42.5	63.7





#53
3-Nitroaniline
Concen: 29.514 ng
RT: 14.384 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

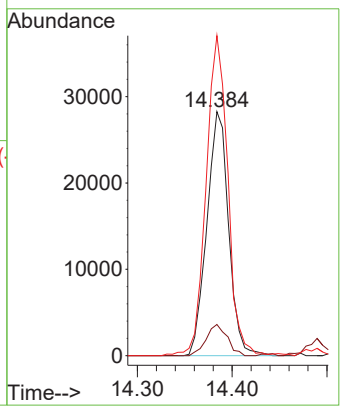
Tgt Ion:138 Resp: 4497

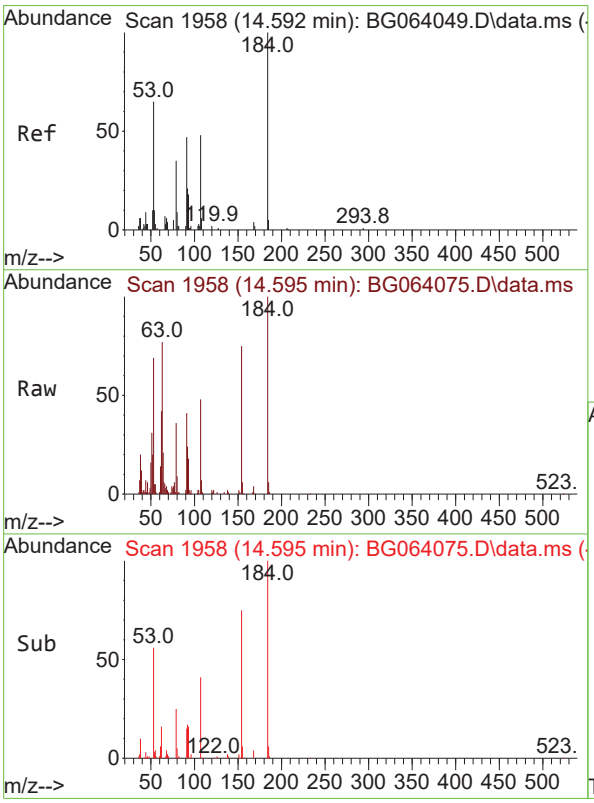
Ion	Ratio	Lower	Upper
138	100		
108	12.8	10.1	15.1
92	131.1	104.1	156.1

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
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Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

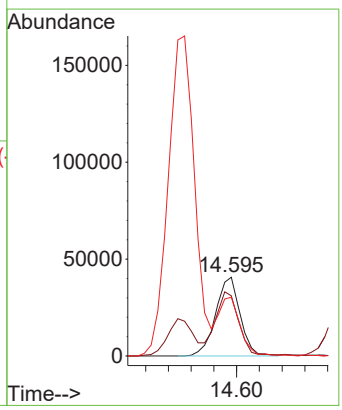


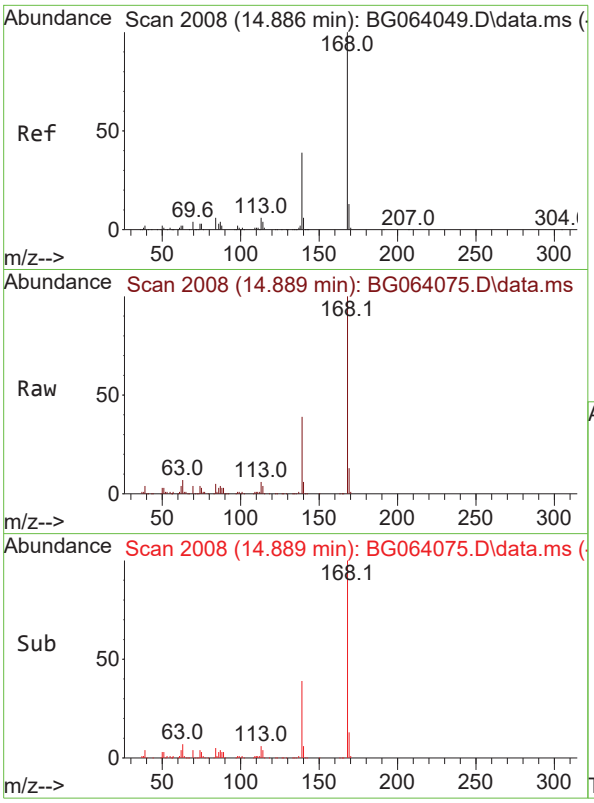


#54
2,4-Dinitrophenol
Concen: 89.770 ng
RT: 14.595 min Scan# 1958
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:184 Resp: 60584

Ion	Ratio	Lower	Upper
184	100		
63	76.6	57.5	86.3
154	74.8	52.3	78.5

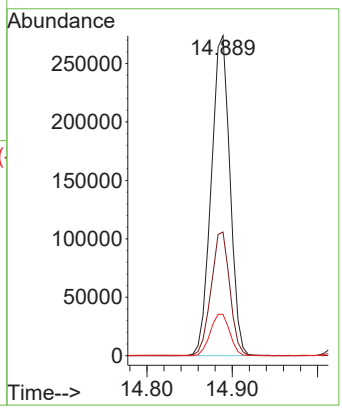




#55
Dibenzofuran
Concen: 41.254 ng
RT: 14.889 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:168 Resp: 41754

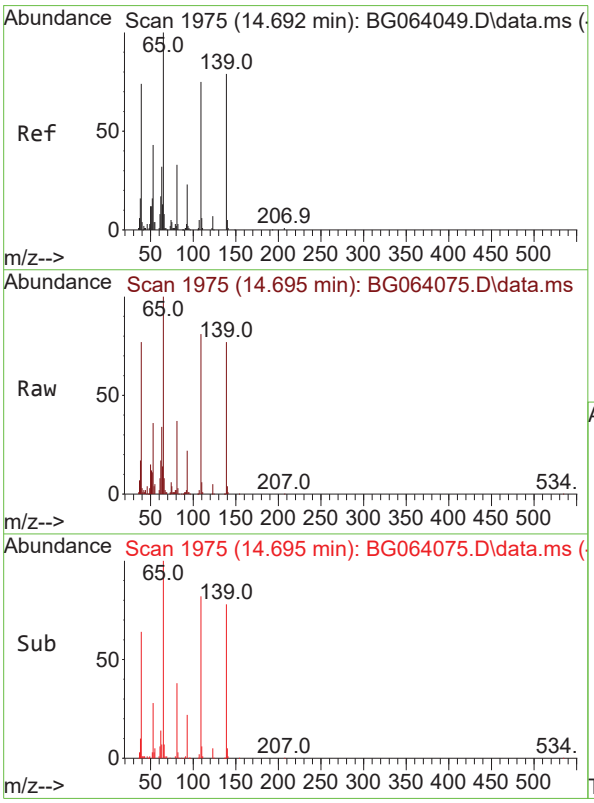
Ion	Ratio	Lower	Upper
168	100		
139	38.6	31.1	46.7
169	12.9	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

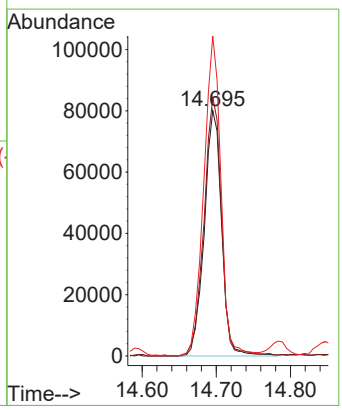
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

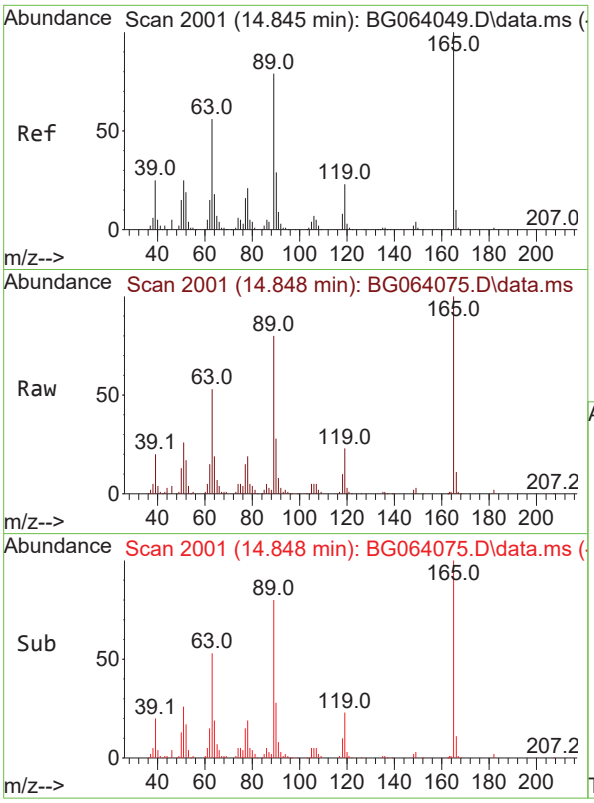


#56
4-Nitrophenol
Concen: 101.809 ng
RT: 14.695 min Scan# 1975
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:139 Resp: 130121

Ion	Ratio	Lower	Upper
139	100		
109	105.4	74.9	114.9
65	130.5	106.8	146.8

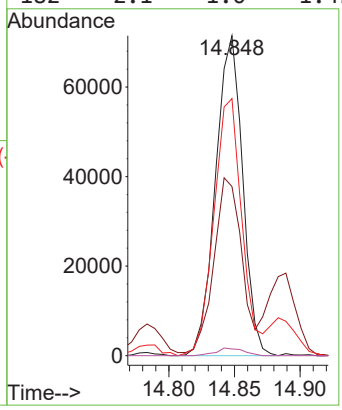




#57
2,4-Dinitrotoluene
Concen: 46.559 ng
RT: 14.848 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:165 Resp: 10250

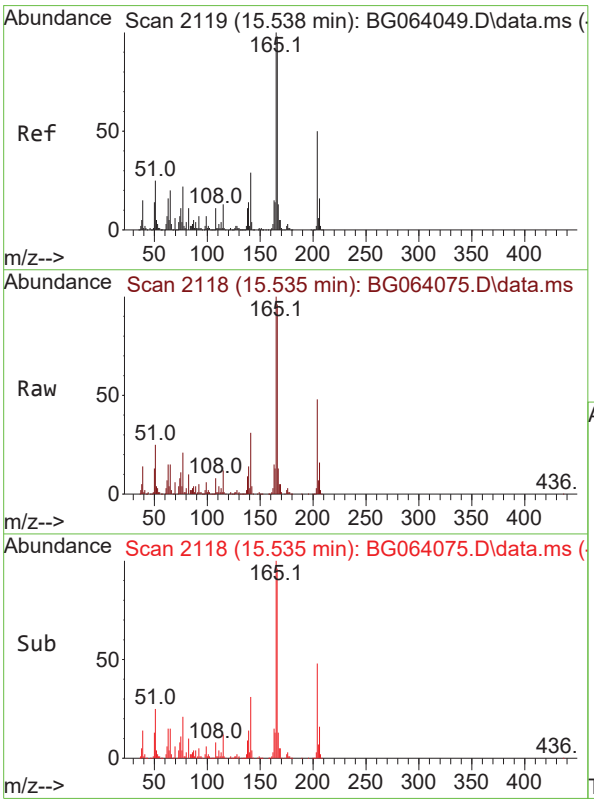
Ion	Ratio	Lower	Upper
165	100		
63	52.8	45.0	67.6
89	80.4	63.1	94.7
182	2.1	1.0	1.4#



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

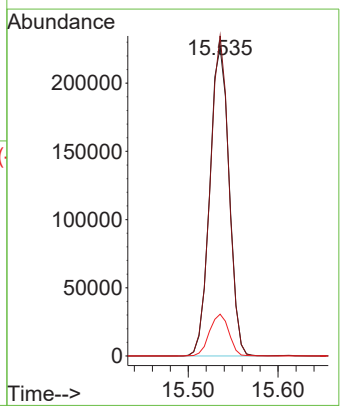
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

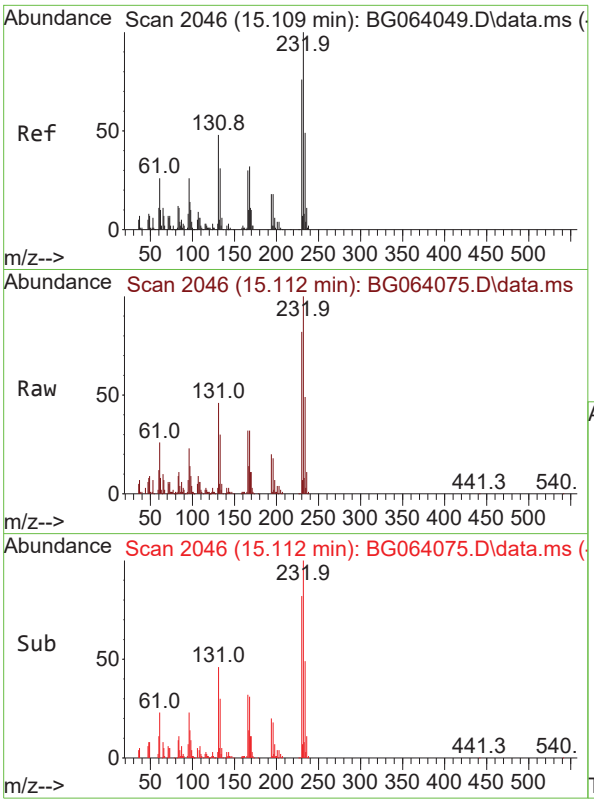


#58
Fluorene
Concen: 42.973 ng
RT: 15.535 min Scan# 2118
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:166 Resp: 338764

Ion	Ratio	Lower	Upper
166	100		
165	103.7	81.8	122.8
167	13.6	10.8	16.2

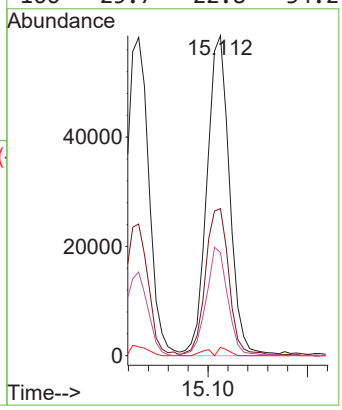




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.550 ng m
RT: 15.112 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:232 Resp: 9257

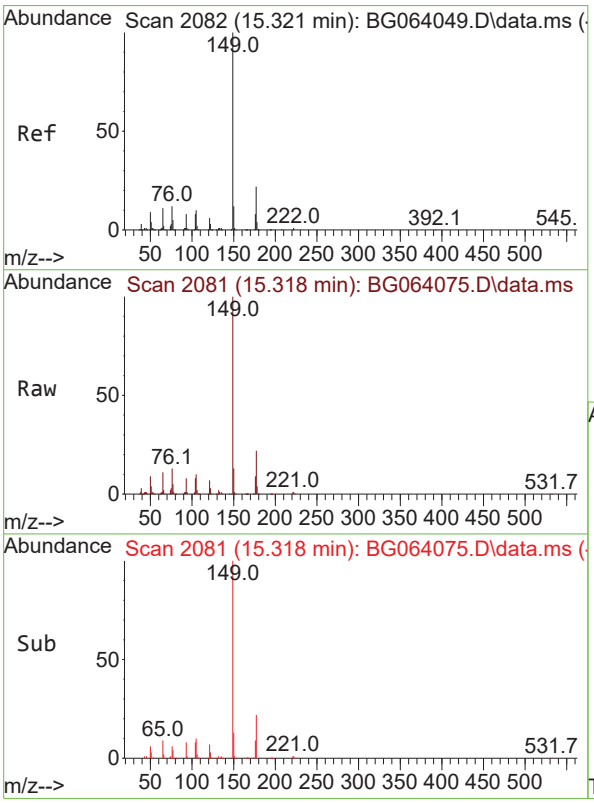
Ion	Ratio	Lower	Upper
232	100		
131	41.5	36.3	54.5
130	2.6	1.9	2.9
166	25.7	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

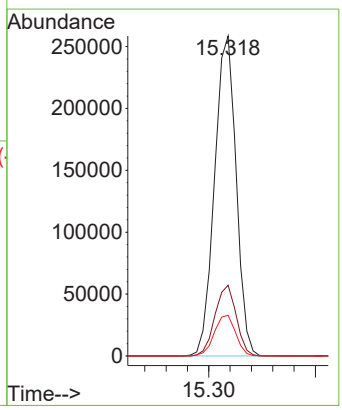
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

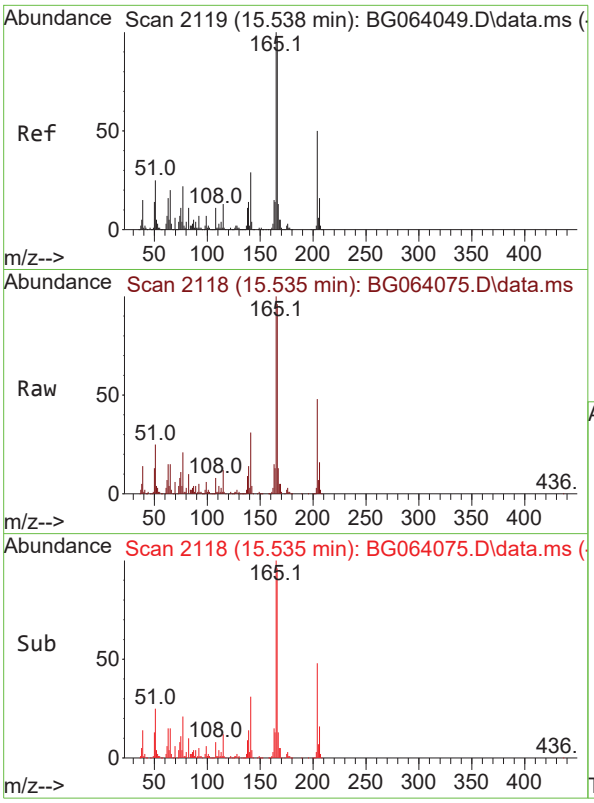


#60
Diethylphthalate
Concen: 42.379 ng
RT: 15.318 min Scan# 2081
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:149 Resp: 362756

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.4	26.2
150	12.7	9.4	14.2

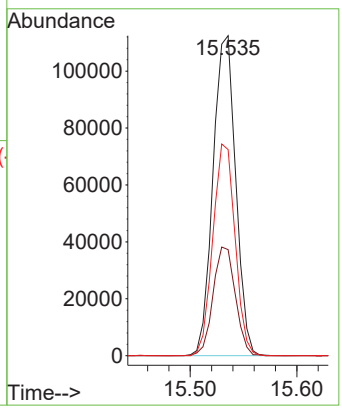




#61
4-Chlorophenyl-phenylether
Concen: 42.385 ng
RT: 15.535 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:204 Resp: 16603

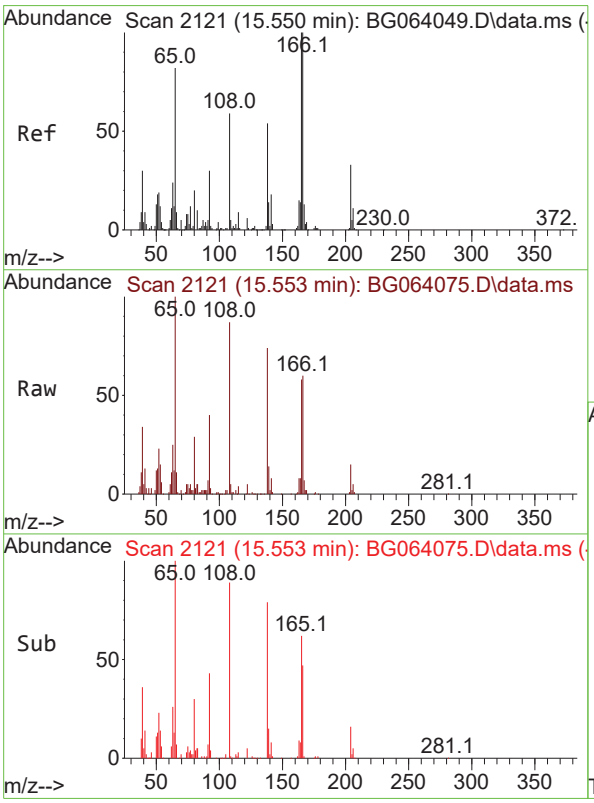
Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.5	38.3
141	64.4	45.4	68.0



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

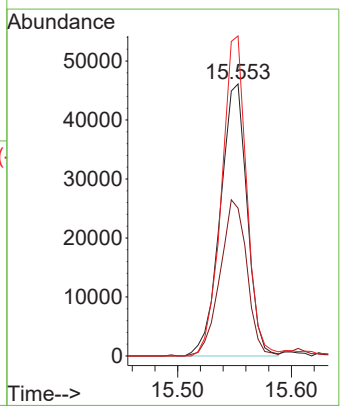
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

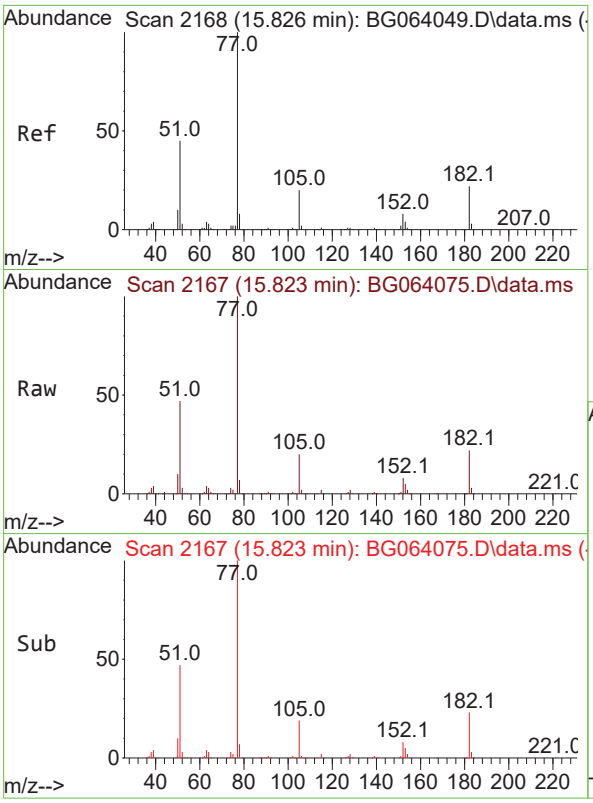


#62
4-Nitroaniline
Concen: 45.936 ng
RT: 15.553 min Scan# 2121
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:138 Resp: 75579

Ion	Ratio	Lower	Upper
138	100		
92	54.4	36.1	76.1
108	117.6	87.9	127.9

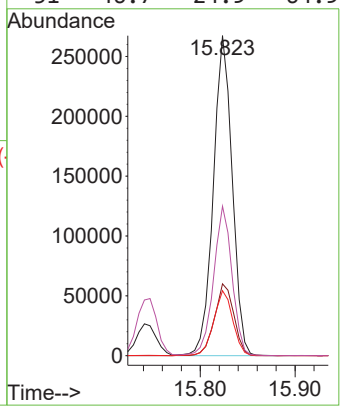




#63
Azobenzene
Concen: 40.626 ng
RT: 15.823 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion: 77 Resp: 37108

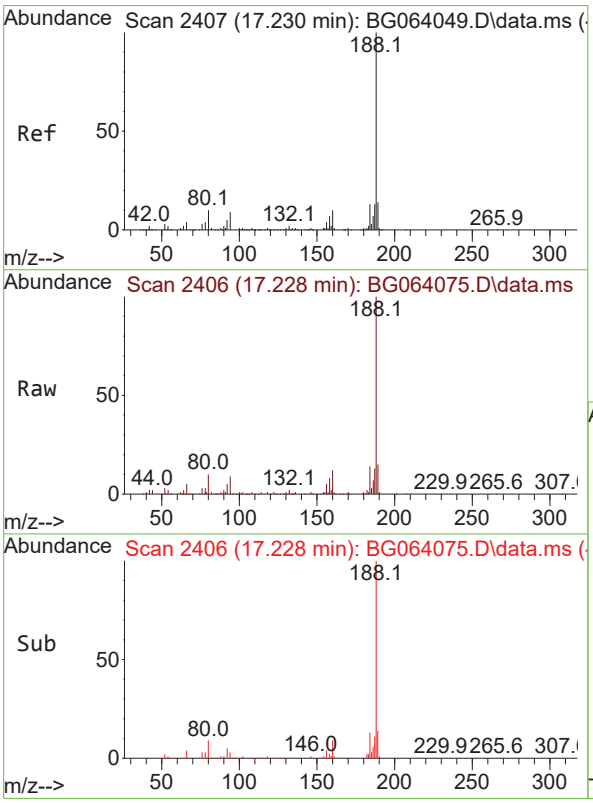
Ion	Ratio	Lower	Upper
77	100		
182	22.4	2.4	42.4
105	20.3	0.0	40.0
51	46.7	24.9	64.9



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

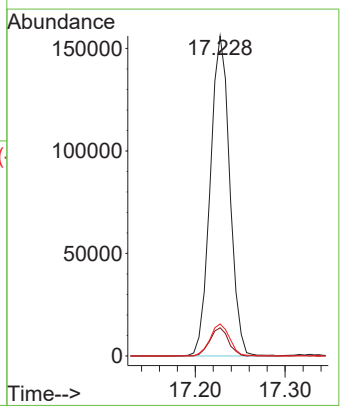
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

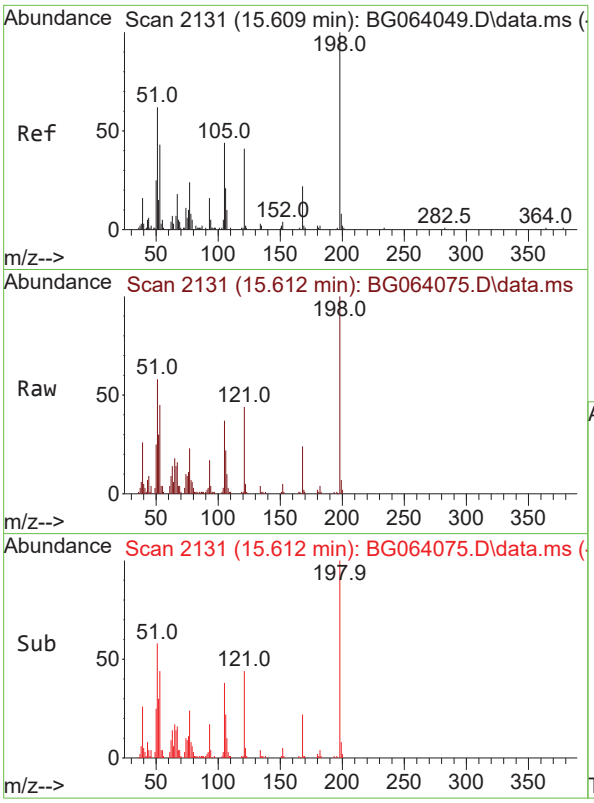


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.228 min Scan# 2406
Delta R.T. -0.002 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:188 Resp: 235208

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	10.0	8.1	12.1

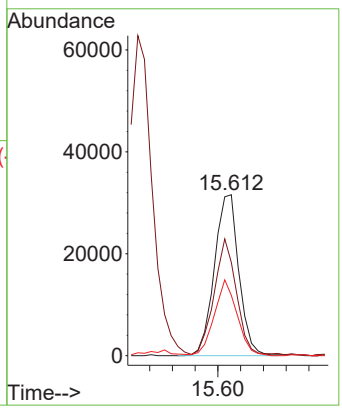




#65
4,6-Dinitro-2-methylphenol
Concen: 46.799 ng
RT: 15.612 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:198 Resp: 4730

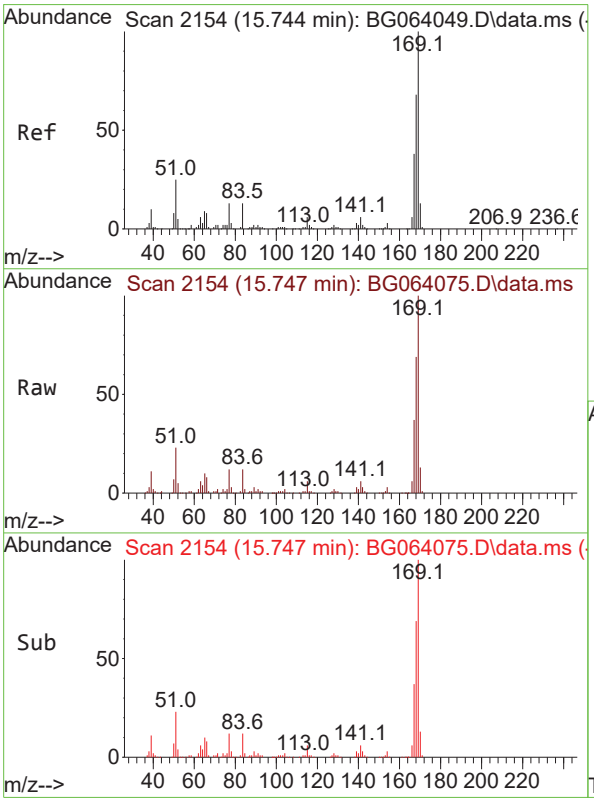
Ion	Ratio	Lower	Upper
198	100		
51	58.0	45.6	85.6
105	37.5	25.3	65.3



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

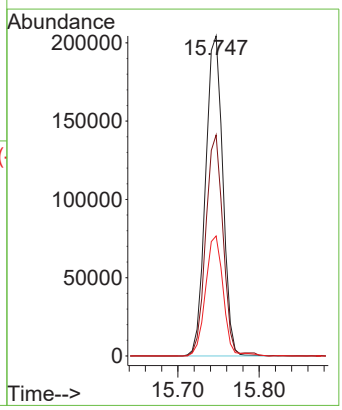
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

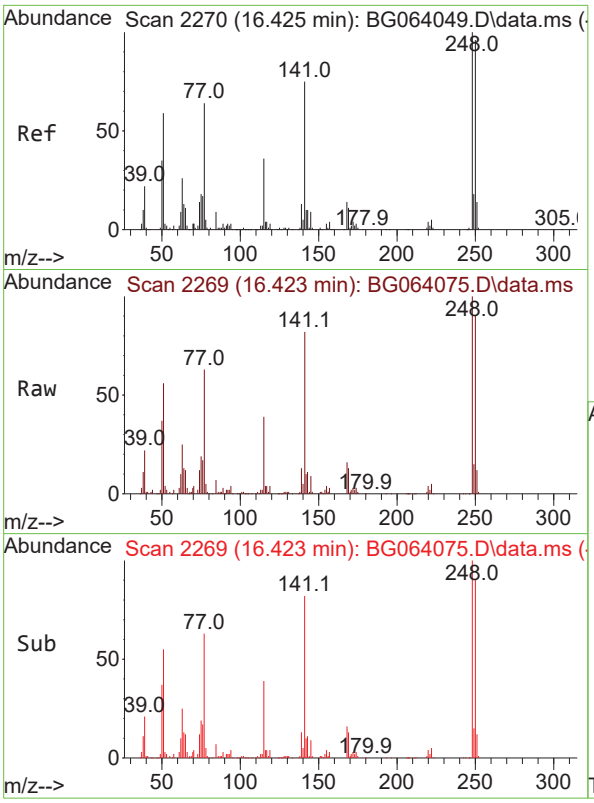


#66
n-Nitrosodiphenylamine
Concen: 45.004 ng
RT: 15.747 min Scan# 2154
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:169 Resp: 299630

Ion	Ratio	Lower	Upper
169	100		
168	69.0	54.1	81.1
167	37.5	30.3	45.5





#67
4-Bromophenyl-phenylether
Concen: 46.570 ng
RT: 16.423 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

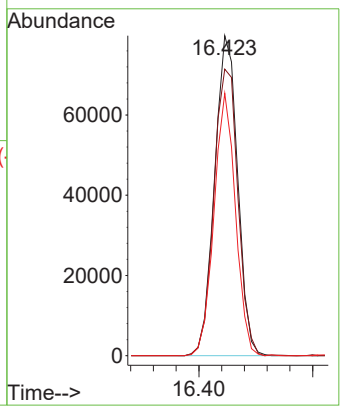
Tgt Ion:248 Resp: 11218

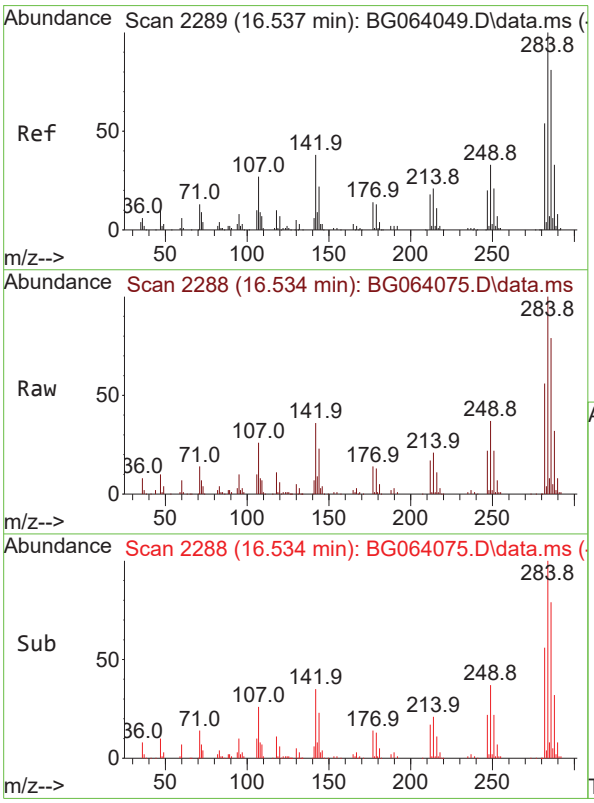
Ion	Ratio	Lower	Upper
248	100		
250	89.5	77.1	115.7
141	82.0	59.8	89.8

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

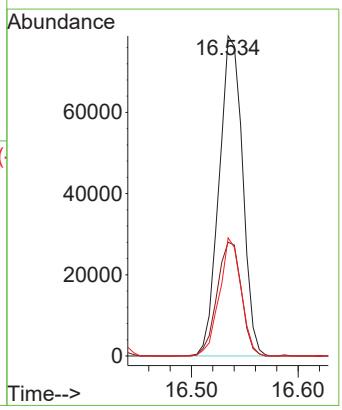


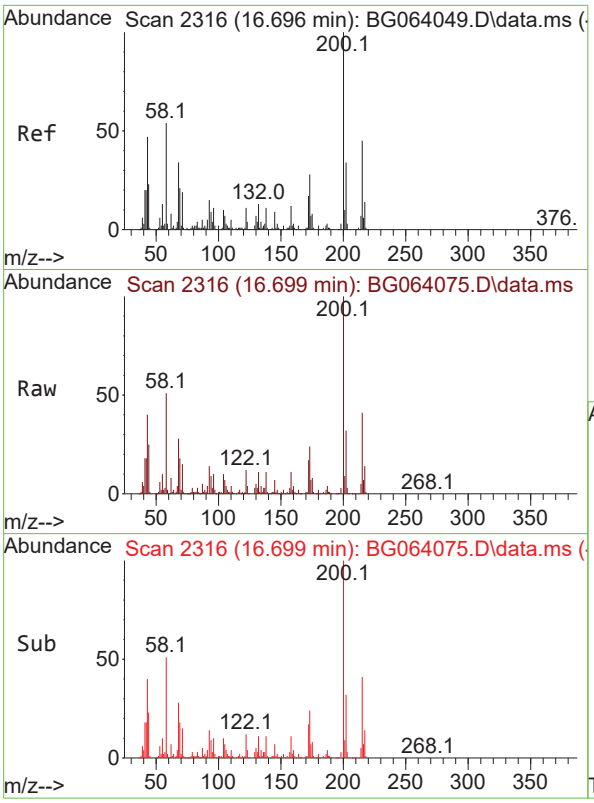


#68
Hexachlorobenzene
Concen: 44.727 ng
RT: 16.534 min Scan# 2288
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:284 Resp: 120627

Ion	Ratio	Lower	Upper
284	100		
142	35.6	30.6	45.8
249	36.9	26.6	39.8





#69
Atrazine
Concen: 67.961 ng
RT: 16.699 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

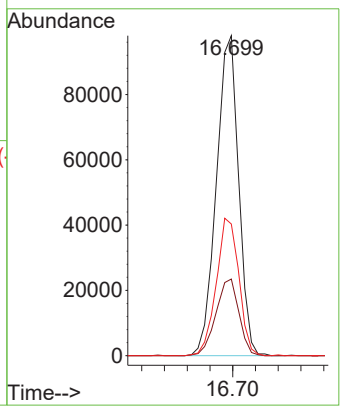
Tgt Ion:200 Resp: 13313

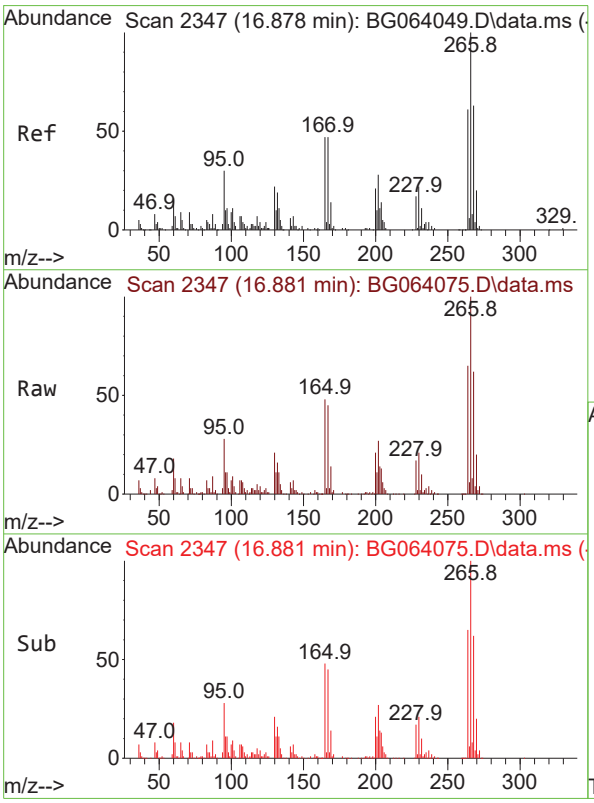
Ion	Ratio	Lower	Upper
200	100		
173	23.9	8.2	48.2
215	41.2	25.5	65.5

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

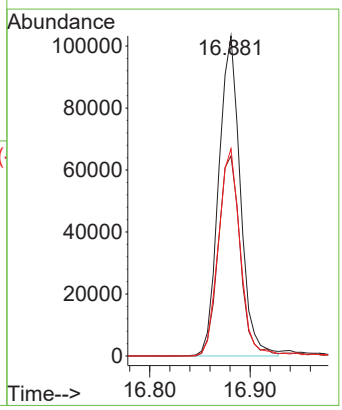


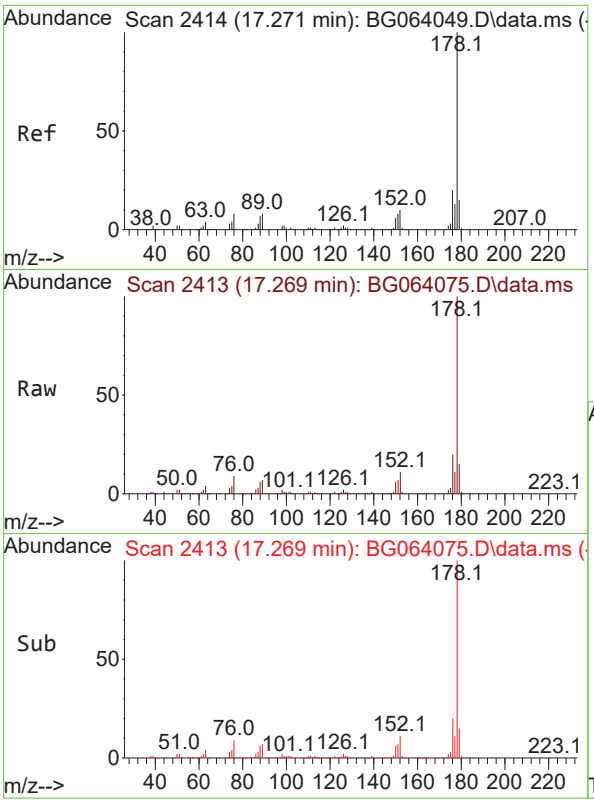


#70
Pentachlorophenol
Concen: 91.945 ng
RT: 16.881 min Scan# 2347
Delta R.T. 0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:266 Resp: 153962

Ion	Ratio	Lower	Upper
266	100		
268	62.5	50.2	75.4
264	64.7	48.9	73.3

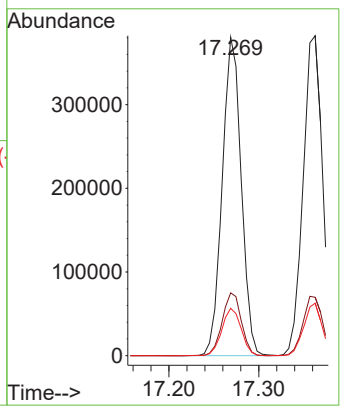




#71
Phenanthrene
Concen: 44.568 ng
RT: 17.269 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:178 Resp: 55913

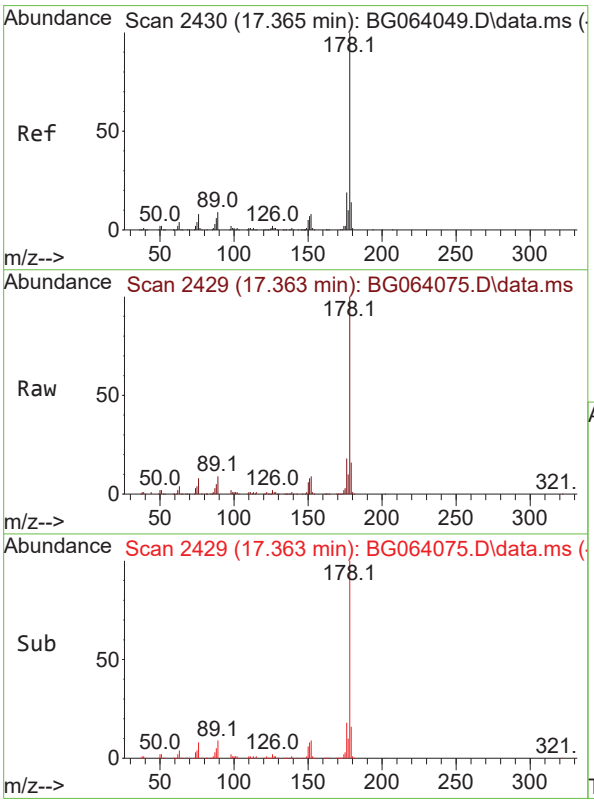
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	14.9	12.2	18.2



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

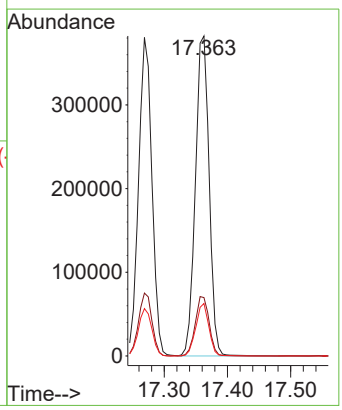
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

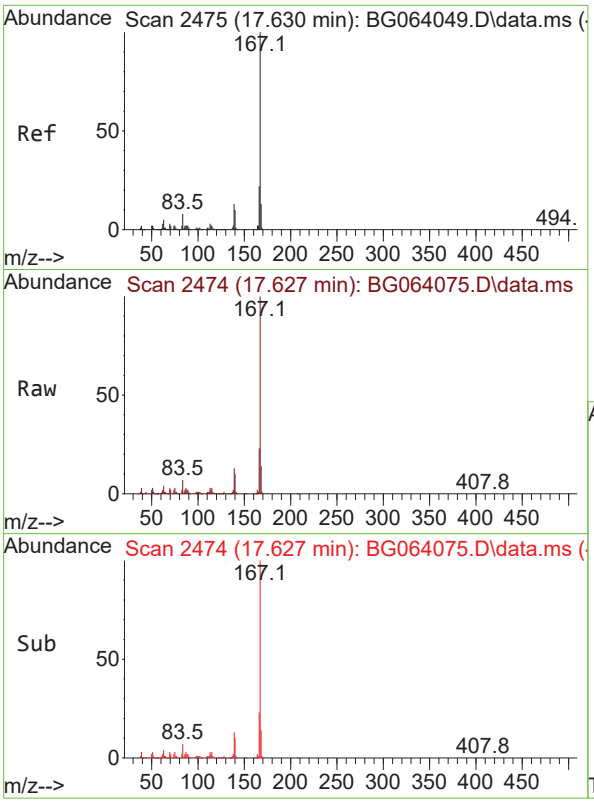


#72
Anthracene
Concen: 46.233 ng
RT: 17.363 min Scan# 2429
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:178 Resp: 576746

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.8	22.2
179	16.4	11.5	17.3

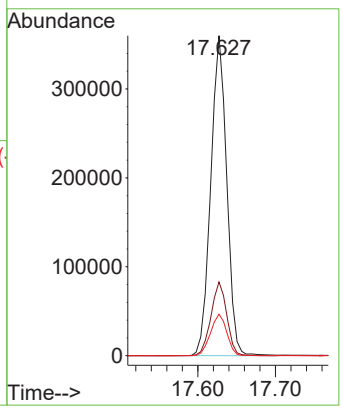




#73
Carbazole
Concen: 44.184 ng
RT: 17.627 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:167 Resp: 51461

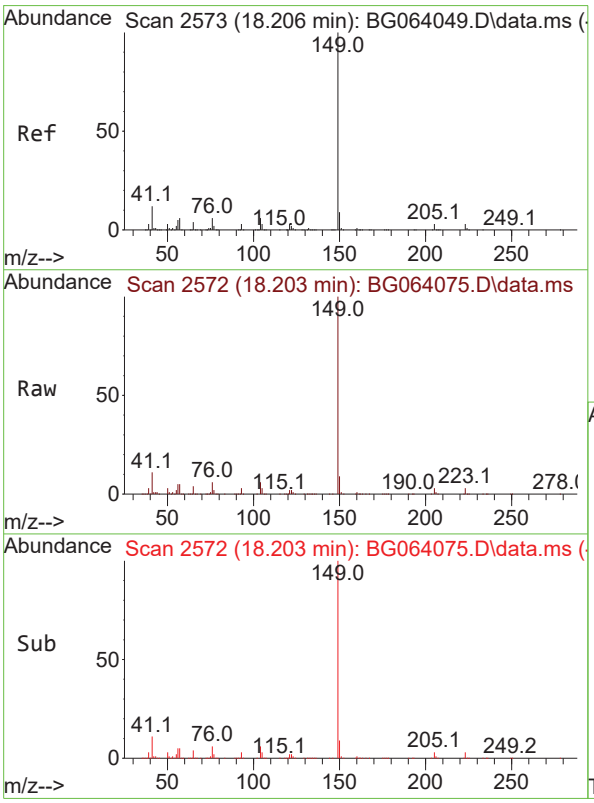
Ion	Ratio	Lower	Upper
167	100		
166	23.1	18.0	27.0
139	13.0	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

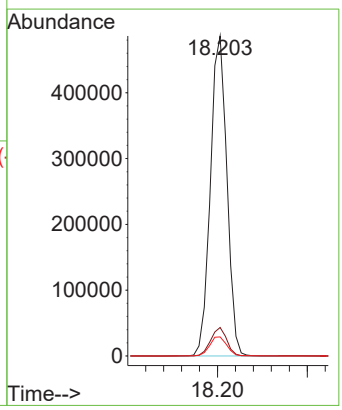
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

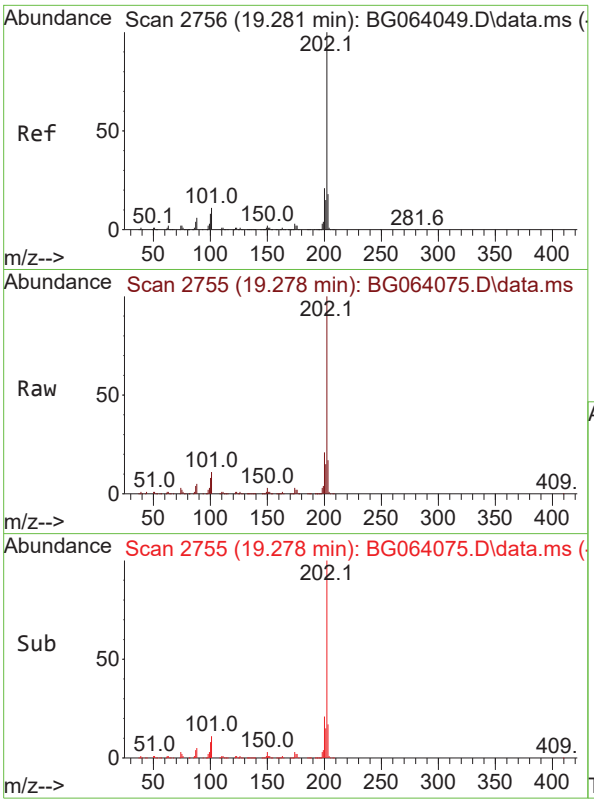


#74
Di-n-butylphthalate
Concen: 45.203 ng
RT: 18.203 min Scan# 2572
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:149 Resp: 619724

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	6.0	5.0	7.6

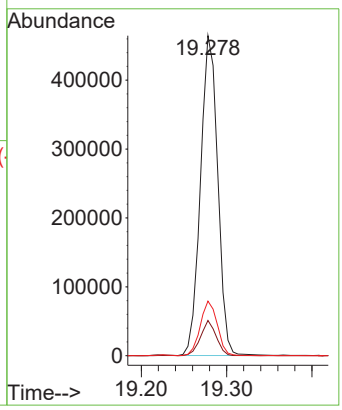




#75
Fluoranthene
Concen: 43.237 ng
RT: 19.278 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:202 Resp: 65393

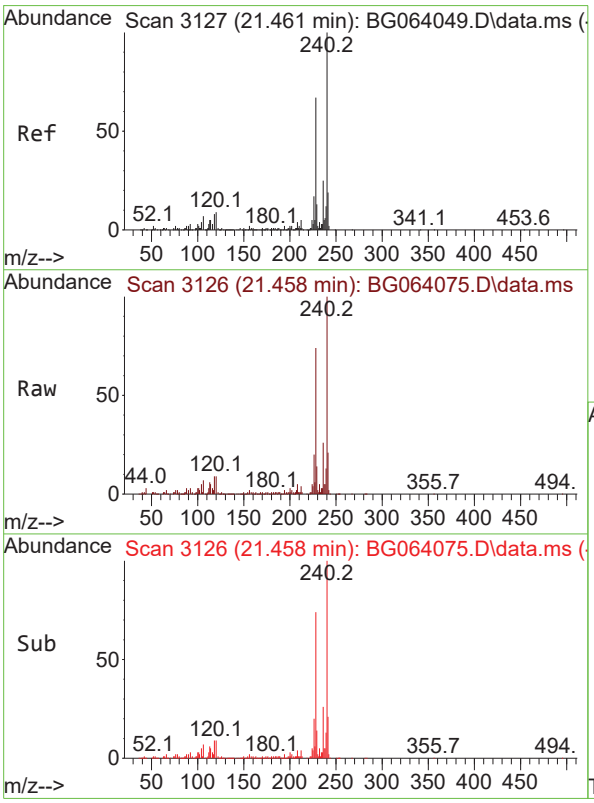
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	30.5
203	17.0	0.0	38.3



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

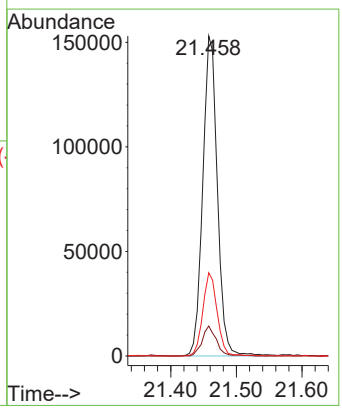
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

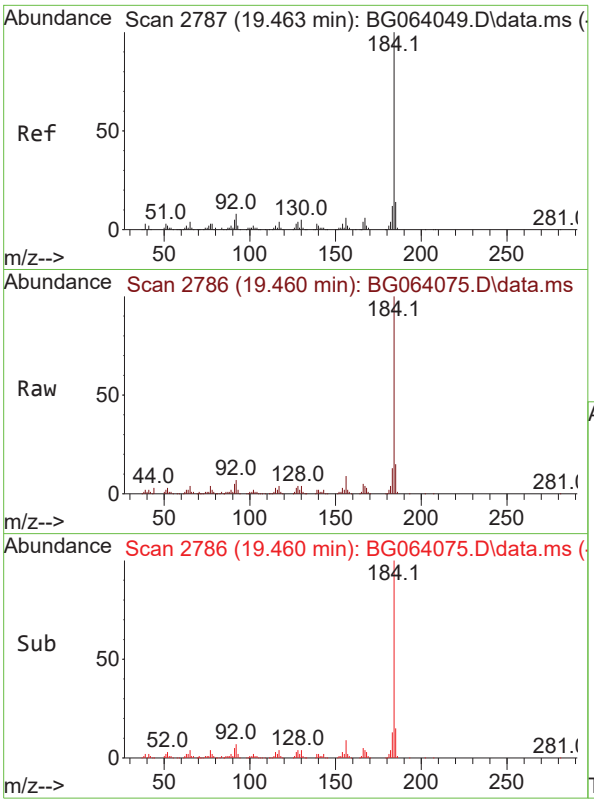


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.458 min Scan# 3126
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:240 Resp: 237204

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.2	10.8
236	26.0	20.2	30.2

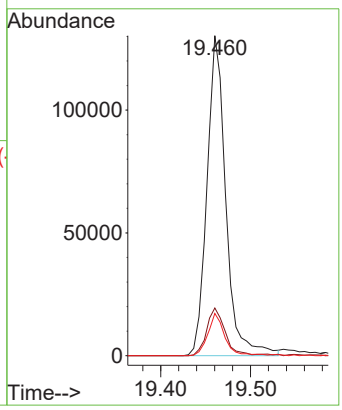




#77
Benzidine
Concen: 57.898 ng
RT: 19.460 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:184 Resp: 19017

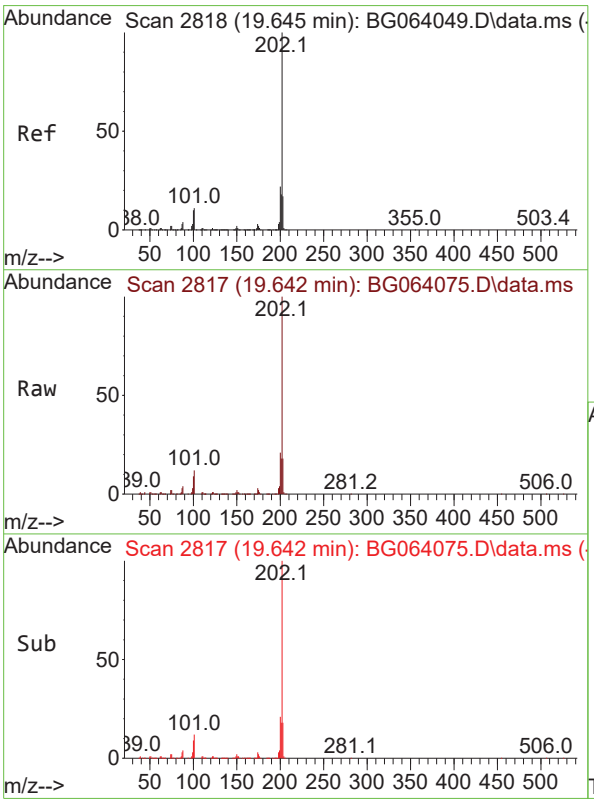
Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.3	16.9
183	13.2	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

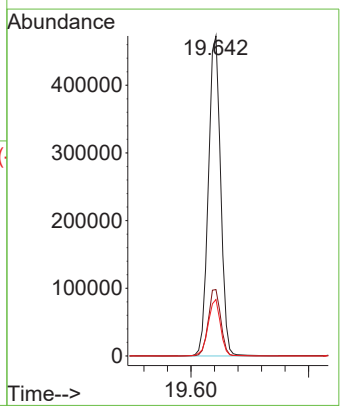
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

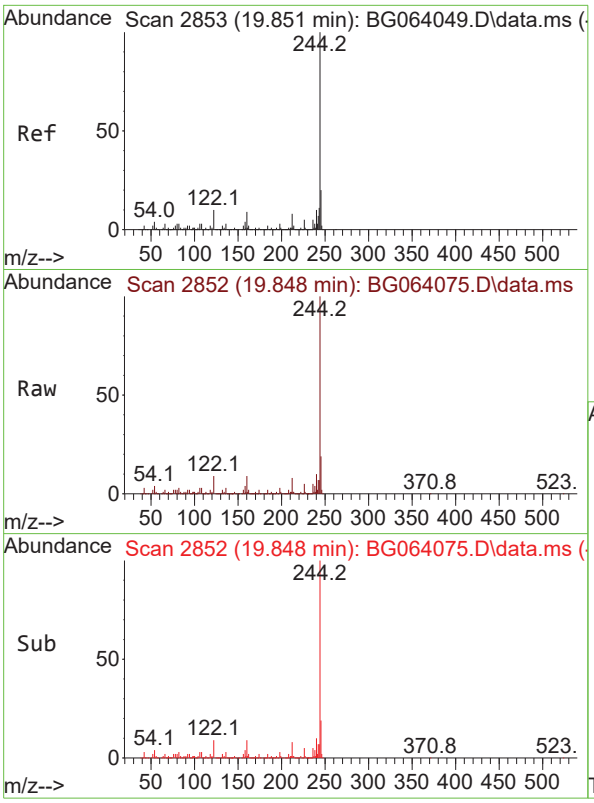


#78
Pyrene
Concen: 44.621 ng
RT: 19.642 min Scan# 2817
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:202 Resp: 682286

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.3	25.9
203	17.6	13.6	20.4

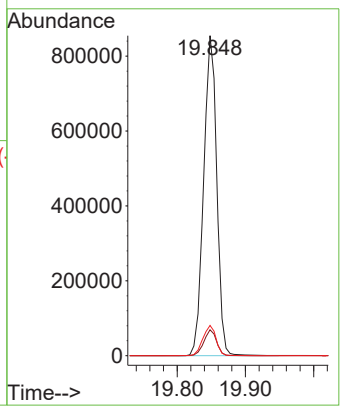




#79
Terphenyl-d14
Concen: 97.254 ng
RT: 19.848 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:244 Resp: 114090

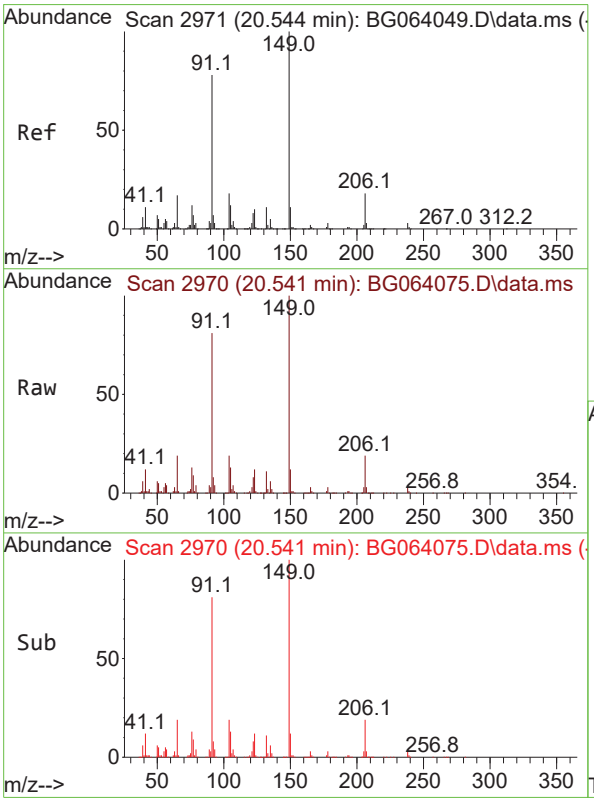
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	9.5	8.0	12.0



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

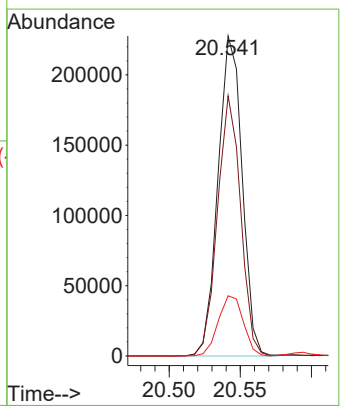
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

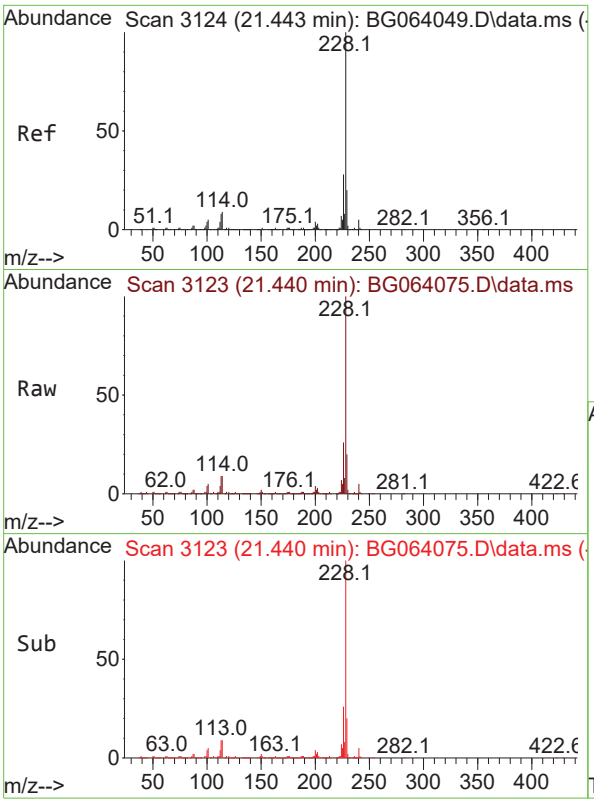


#80
Butylbenzylphthalate
Concen: 46.803 ng
RT: 20.541 min Scan# 2970
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:149 Resp: 267979

Ion	Ratio	Lower	Upper
149	100		
91	81.3	62.0	93.0
206	18.8	14.6	21.8

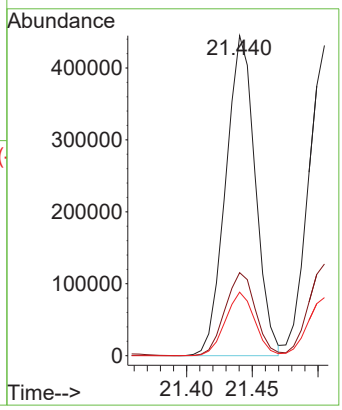




#81
Benzo(a)anthracene
Concen: 45.909 ng
RT: 21.440 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:228 Resp: 69757

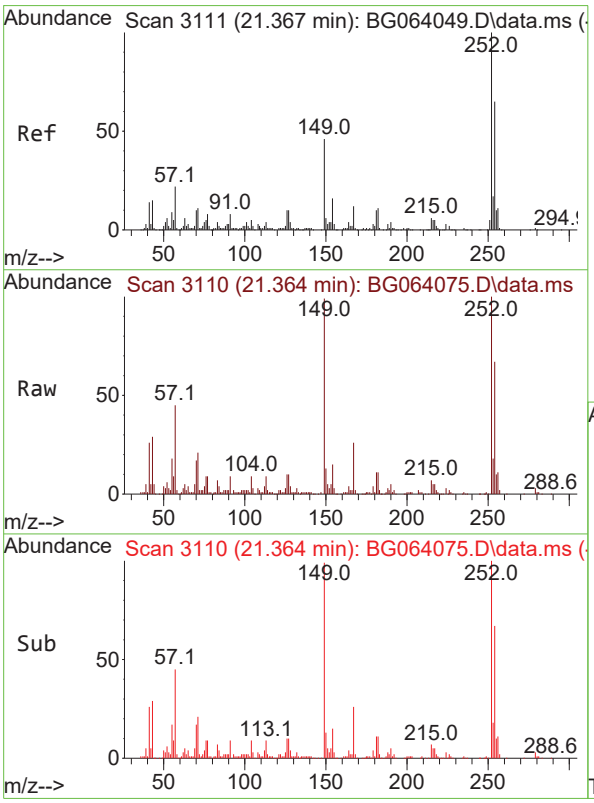
Ion	Ratio	Lower	Upper
228	100		
226	26.0	22.2	33.2
229	19.8	16.4	24.6



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

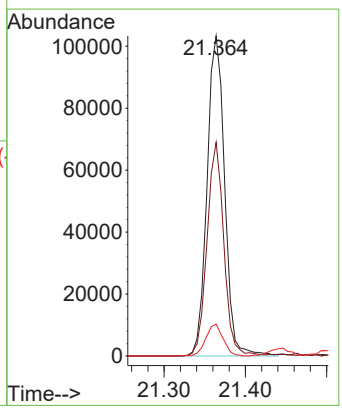
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

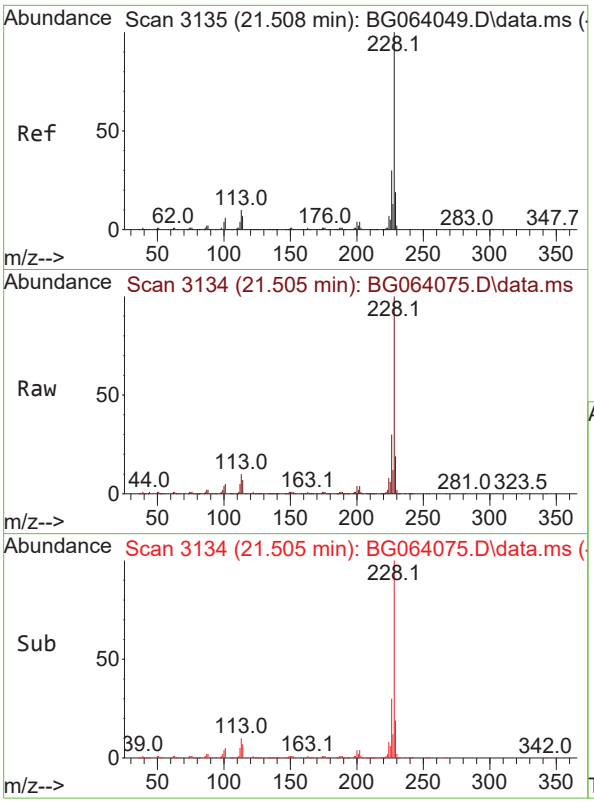


#82
3,3'-Dichlorobenzidine
Concen: 31.624 ng
RT: 21.364 min Scan# 3110
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:252 Resp: 155510

Ion	Ratio	Lower	Upper
252	100		
254	66.7	52.1	78.1
126	9.9	7.8	11.8





#83
Chrysene
Concen: 44.780 ng
RT: 21.505 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

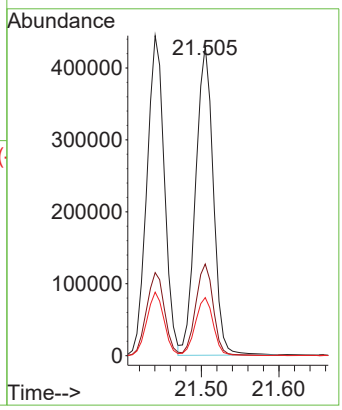
Tgt Ion:228 Resp: 67861

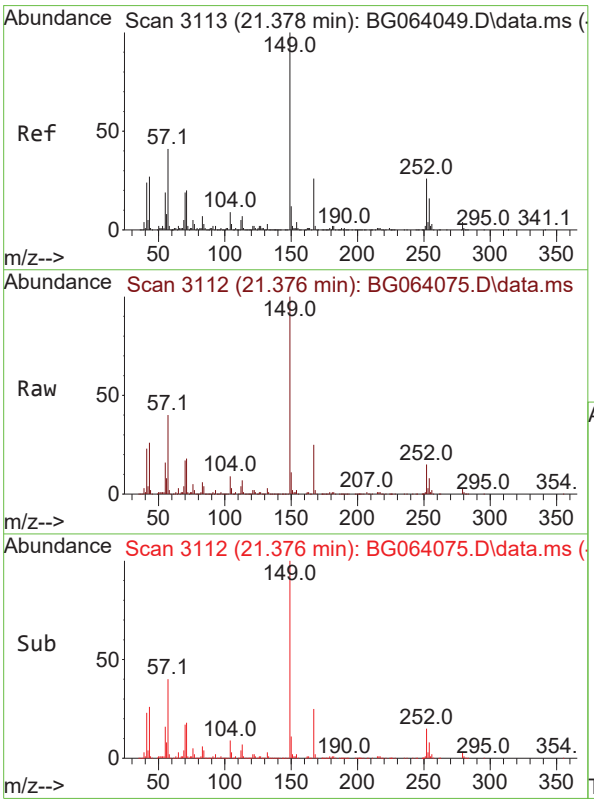
Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.9	35.9
229	18.7	15.3	22.9

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

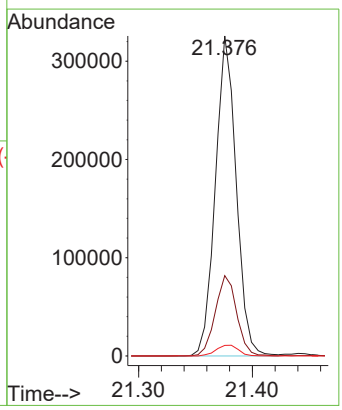


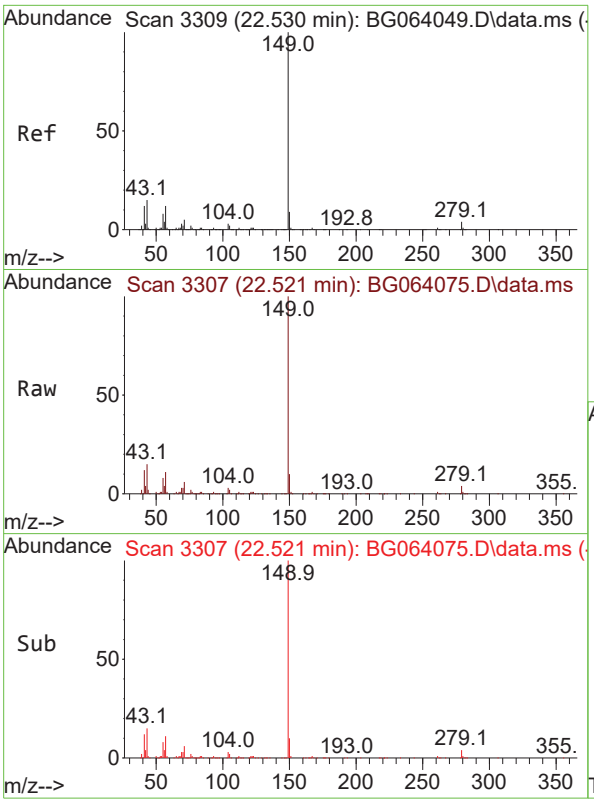


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.498 ng
RT: 21.376 min Scan# 3112
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:149 Resp: 414970

Ion	Ratio	Lower	Upper
149	100		
167	25.1	21.0	31.6
279	3.3	2.8	4.2





#85
Di-n-octyl phthalate
Concen: 50.112 ng
RT: 22.521 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

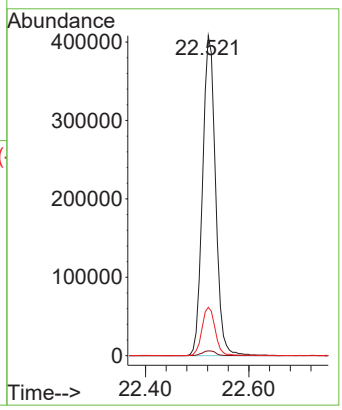
Tgt Ion:149 Resp: 71028

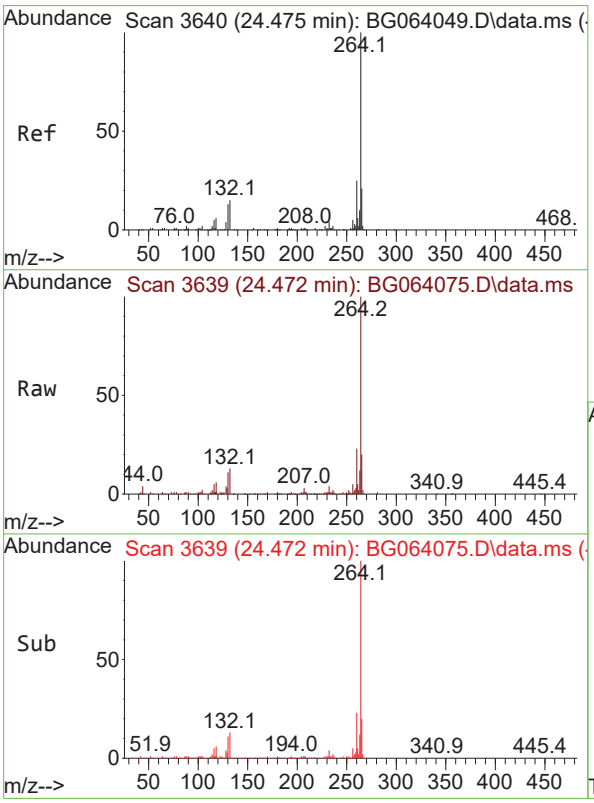
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	15.6	12.6	19.0

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

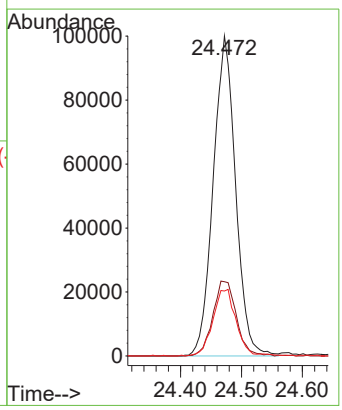


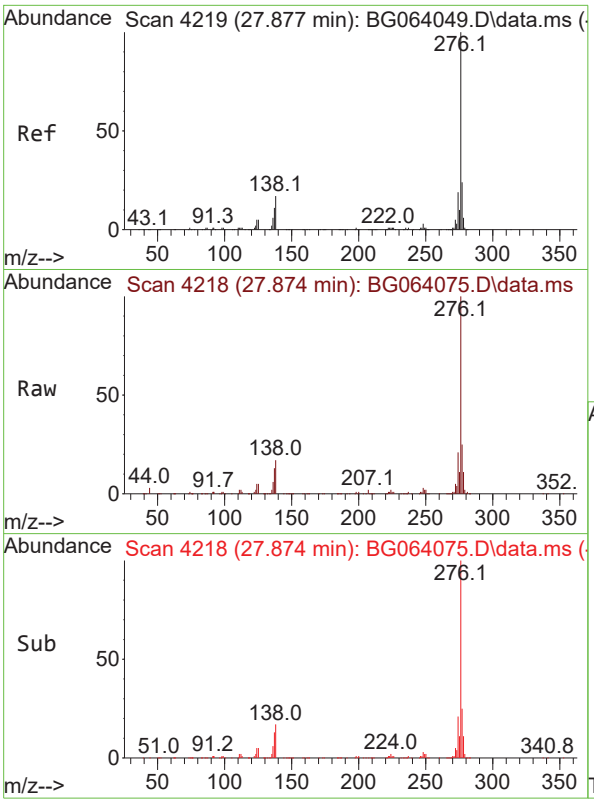


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.472 min Scan# 3639
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:264 Resp: 255311

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.6	29.4
265	20.3	16.6	25.0

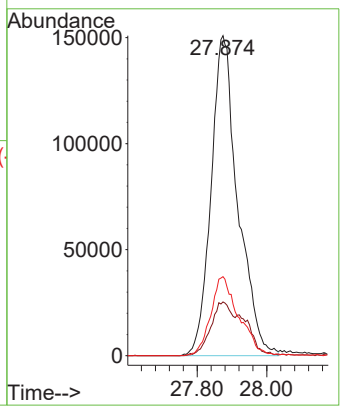




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.234 ng
RT: 27.874 min Scan# 4
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:276 Resp: 80687

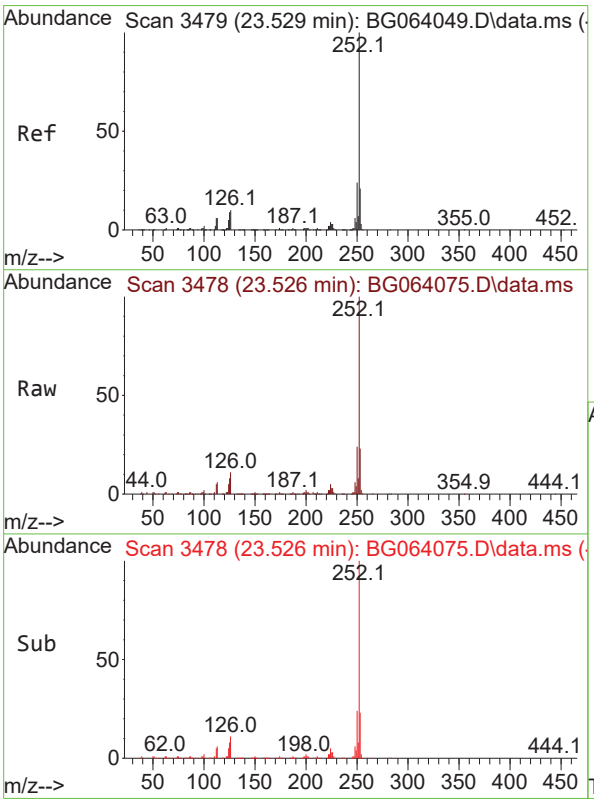
Ion	Ratio	Lower	Upper
276	100		
138	13.7	12.1	18.1
277	25.7	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

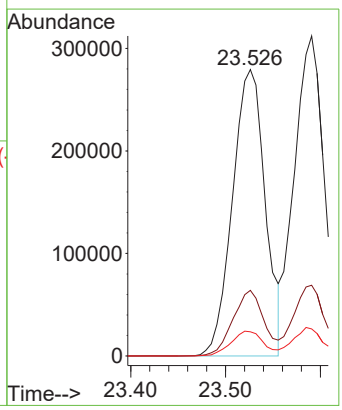
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

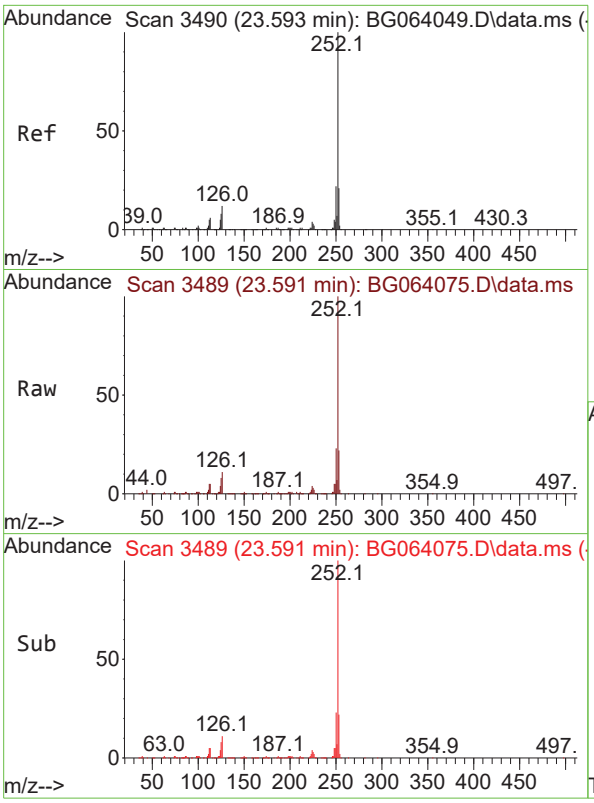


#88
Benzo(b)fluoranthene
Concen: 43.511 ng
RT: 23.526 min Scan# 3478
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:252 Resp: 671571

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	8.4	7.4	11.2





#89
Benzo(k)fluoranthene
Concen: 45.050 ng
RT: 23.591 min Scan# 34
Delta R.T. -0.003 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

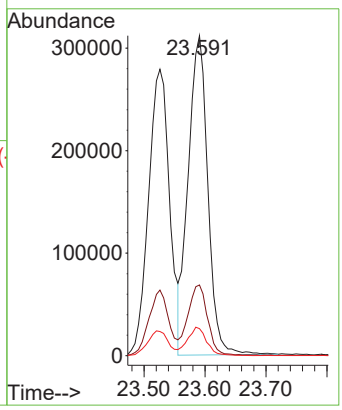
Tgt Ion:252 Resp: 69754

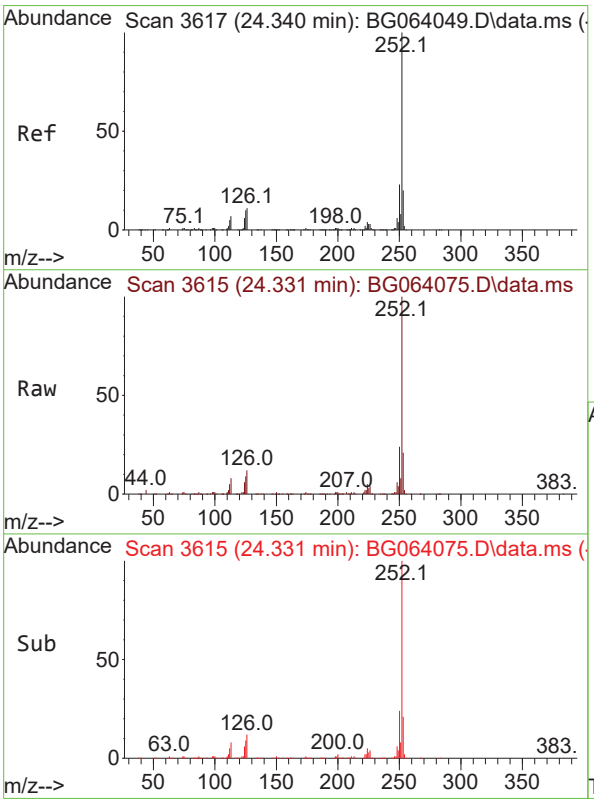
Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.8	25.2
125	8.5	6.9	10.3

Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025

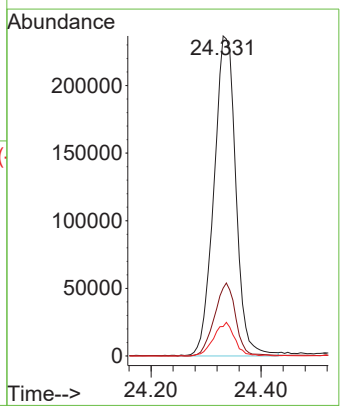


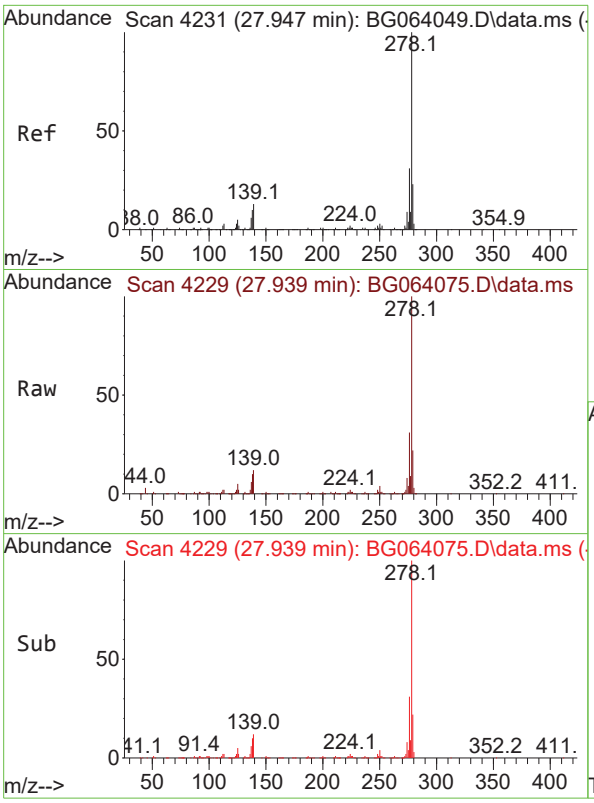


#90
Benzo(a)pyrene
Concen: 47.655 ng
RT: 24.331 min Scan# 3615
Delta R.T. -0.008 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:252 Resp: 655055

Ion	Ratio	Lower	Upper
252	100		
253	21.2	16.2	24.2
125	9.2	7.8	11.6

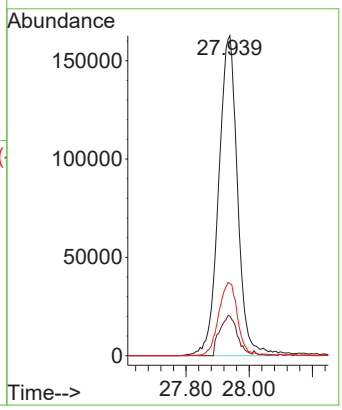




#91
Dibenzo(a,h)anthracene
Concen: 47.685 ng
RT: 27.939 min Scan# 4
Delta R.T. -0.008 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:278 Resp: 67531

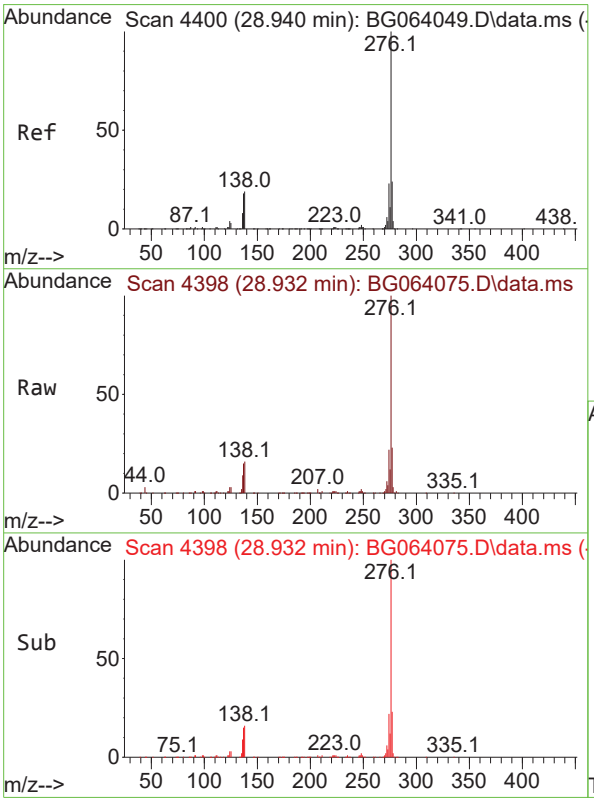
Ion	Ratio	Lower	Upper
278	100		
139	12.4	10.2	15.2
279	22.5	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
PB167035BS

Manual Integrations
APPROVED

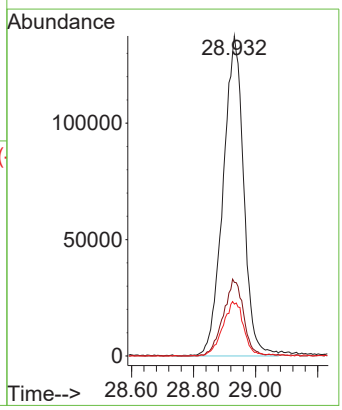
Reviewed By :Anahy Claudio 03/11/2025
Supervised By :Jagrut Upadhyay 03/11/2025



#92
Benzo(g,h,i)perylene
Concen: 43.532 ng
RT: 28.932 min Scan# 4398
Delta R.T. -0.008 min
Lab File: BG064075.D
Acq: 10 Mar 2025 10:44

Tgt Ion:276 Resp: 632964

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.5	29.3
138	16.2	15.4	23.0



Raw Data: **BF141893.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MS	SDG No.:	Q1488
Lab Sample ID:	Q1488-02MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141893.D	1	03/07/25 12:45	03/07/25 18:30	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	290		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	380		8.40	50.0	ug/L
95-48-7	2-Methylphenol	400		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	410		11.5	100	ug/L
67-72-1	Hexachloroethane	370		10.1	50.0	ug/L
98-95-3	Nitrobenzene	450		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	420		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	470		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	500		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	560		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	500		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	950	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	118		15 (10) - 110 (139)	79%	SPK: 150
13127-88-3	Phenol-d6	108		15 (10) - 110 (134)	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	110		30 (49) - 130 (133)	110%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		30 (52) - 130 (132)	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	182	*	15 (44) - 110 (137)	122%	SPK: 150
1718-51-0	Terphenyl-d14	83.1		30 (48) - 130 (125)	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	147000	6.887			
1146-65-2	Naphthalene-d8	566000	8.169			
15067-26-2	Acenaphthene-d10	296000	9.922			
1517-22-2	Phenanthrene-d10	482000	11.404			
1719-03-5	Chrysene-d12	376000	14.045			
1520-96-3	Perylene-d12	373000	15.515			

Raw Data: **BF141893.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MS	SDG No.:	Q1488
Lab Sample ID:	Q1488-02MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141893.D	1	03/07/25 12:45	03/07/25 18:30	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BF141893.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141893.D
Acq On : 07 Mar 2025 18:30
Operator : RC/JU
Sample : Q1488-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 07 21:45:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	146872	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	566046	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	296352	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	482424	20.000	ng	0.00
76) Chrysene-d12	14.045	240	376304	20.000	ng	0.00
86) Perylene-d12	15.515	264	373298	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1085782	118.061	ng	0.02
7) Phenol-d6	6.510	99	1289939	107.760	ng	0.00
23) Nitrobenzene-d5	7.445	82	976810	110.305	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	507581	182.438	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1887954	102.150	ng	0.00
79) Terphenyl-d14	12.986	244	1932793	83.100	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.805	88	134944	32.337	ng	# 79
3) Pyridine	3.534	79	304229	29.301	ng	94
4) n-Nitrosodimethylamine	3.463	42	167627	33.553	ng	# 95
6) Aniline	6.551	93	271425	21.810	ng	98
8) 2-Chlorophenol	6.669	128	392071	39.409	ng	95
9) Benzaldehyde	6.440	77	82387	11.832	ng	97
10) Phenol	6.522	94	421103	32.921	ng	96
11) bis(2-Chloroethyl)ether	6.622	93	347294	35.618	ng	95
12) 1,3-Dichlorobenzene	6.828	146	403448	37.867	ng	98
13) 1,4-Dichlorobenzene	6.904	146	413101	38.481	ng	99
14) 1,2-Dichlorobenzene	7.057	146	404172	40.318	ng	98
15) Benzyl Alcohol	7.022	79	376371	39.342	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	445763	30.103	ng	94
17) 2-Methylphenol	7.134	107	327586	39.891	ng	99
18) Hexachloroethane	7.398	117	149748	37.269	ng	96
19) n-Nitroso-di-n-propyla...	7.292	70	284179	36.114	ng	98
20) 3+4-Methylphenols	7.281	107	417320	40.811	ng	97
22) Acetophenone	7.292	105	635484	46.096	ng	97
24) Nitrobenzene	7.469	77	425775	44.899	ng	96
25) Isophorone	7.704	82	779771	40.987	ng	98
26) 2-Nitrophenol	7.781	139	202530	47.827	ng	97
27) 2,4-Dimethylphenol	7.810	122	347141	49.638	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	457528	37.700	ng	99
29) 2,4-Dichlorophenol	8.016	162	345967	42.882	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	365988	41.399	ng	99
31) Naphthalene	8.187	128	1141283	39.230	ng	99
32) Benzoic acid	7.910	122	245541	43.017	ng	99
33) 4-Chloroaniline	8.234	127	117535	11.018	ng	98
34) Hexachlorobutadiene	8.304	225	232432	42.309	ng	99
35) Caprolactam	8.592	113	107829m	43.446	ng	
36) 4-Chloro-3-methylphenol	8.710	107	387917	43.283	ng	99
37) 2-Methylnaphthalene	8.875	142	769169	40.308	ng	99
38) 1-Methylnaphthalene	8.975	142	735586	40.174	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	417293	48.755	ng	100
41) Hexachlorocyclopentadiene	9.028	237	385277	107.863	ng	100
43) 2,4,6-Trichlorophenol	9.151	196	260598	47.135	ng	99

Sample Results: **BF141893.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141893.D
Acq On : 07 Mar 2025 18:30
Operator : RC/JU
Sample : Q1488-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 07 21:45:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	273305	49.921	ng		98
46) 1,1'-Biphenyl	9.339	154	1127721	49.994	ng		98
47) 2-Chloronaphthalene	9.369	162	749626	45.026	ng		99
48) 2-Nitroaniline	9.457	65	238921	52.027	ng		95
49) Acenaphthylene	9.781	152	1179845	47.266	ng		99
50) Dimethylphthalate	9.639	163	929996	46.861	ng		99
51) 2,6-Dinitrotoluene	9.698	165	202875	53.116	ng		94
52) Acenaphthene	9.951	154	846529	50.260	ng		99
53) 3-Nitroaniline	9.869	138	121880	31.242	ng	#	92
54) 2,4-Dinitrophenol	9.975	184	171206	92.918	ng	#	1
55) Dibenzofuran	10.128	168	1036351	42.274	ng		99
56) 4-Nitrophenol	10.022	139	318494	108.658	ng		95
57) 2,4-Dinitrotoluene	10.104	165	265097	56.493	ng		90
58) Fluorene	10.469	166	843493	45.934	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	231562	48.633	ng		99
60) Diethylphthalate	10.339	149	887696	44.618	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	424604	46.150	ng		98
62) 4-Nitroaniline	10.480	138	191771	56.583	ng		97
63) Azobenzene	10.622	77	828989	39.573	ng		98
65) 4,6-Dinitro-2-methylph...	10.510	198	114613	50.036	ng		88
66) n-Nitrosodiphenylamine	10.575	169	723072	45.645	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	266010	47.208	ng		96
68) Hexachlorobenzene	11.016	284	295638	49.684	ng		96
69) Atrazine	11.104	200	285547	65.549	ng		98
70) Pentachlorophenol	11.204	266	357301	94.677	ng		99
71) Phenanthrene	11.427	178	1199549	46.485	ng		99
72) Anthracene	11.480	178	1200670	46.426	ng		99
73) Carbazole	11.633	167	1040605	45.564	ng		99
74) Di-n-butylphthalate	11.963	149	1188156	41.042	ng		99
75) Fluoranthene	12.616	202	1125422	42.563	ng		96
77) Benzidine	12.733	184	358813	75.758	ng		99
78) Pyrene	12.845	202	1188284	36.467	ng		99
80) Butylbenzylphthalate	13.463	149	471966	39.865	ng		96
81) Benzo(a)anthracene	14.033	228	1131048	45.505	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	260330	36.506	ng		99
83) Chrysene	14.068	228	998763	43.591	ng		100
84) Bis(2-ethylhexyl)phtha...	14.021	149	621644	42.170	ng		99
85) Di-n-octyl phthalate	14.633	149	1101586	49.914	ng		96
87) Indeno(1,2,3-cd)pyrene	17.004	276	897282	37.748	ng	#	94
88) Benzo(b)fluoranthene	15.080	252	1178241	46.336	ng		99
89) Benzo(k)fluoranthene	15.115	252	1025295	47.439	ng		97
90) Benzo(a)pyrene	15.451	252	975022	47.812	ng		98
91) Dibenzo(a,h)anthracene	17.021	278	744676	38.380	ng	#	96
92) Benzo(g,h,i)perylene	17.451	276	665037	33.457	ng		95

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

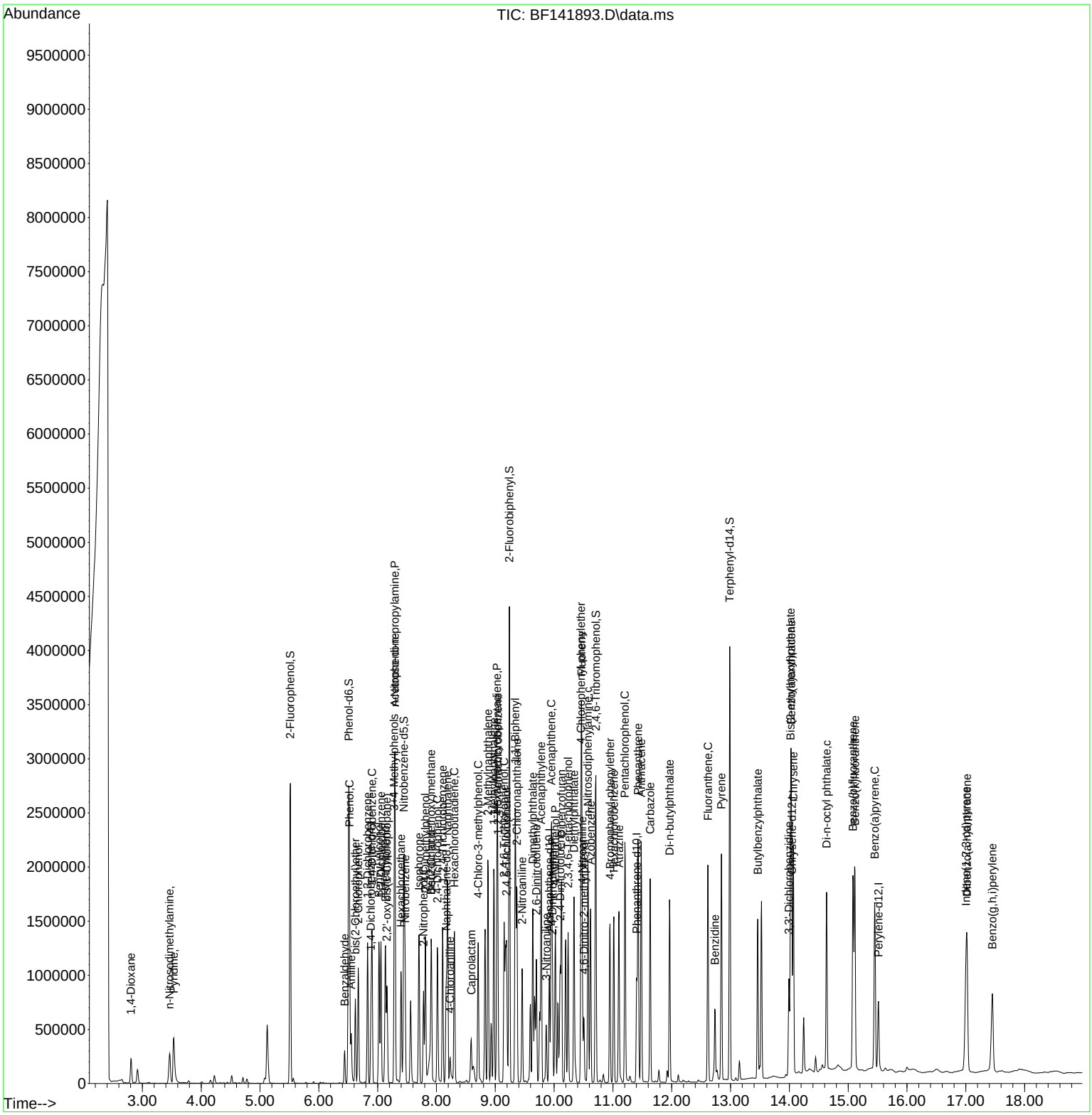
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Data File : BF141893.D
Acq On : 07 Mar 2025 18:30
Operator : RC/JU
Sample : Q1488-02MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

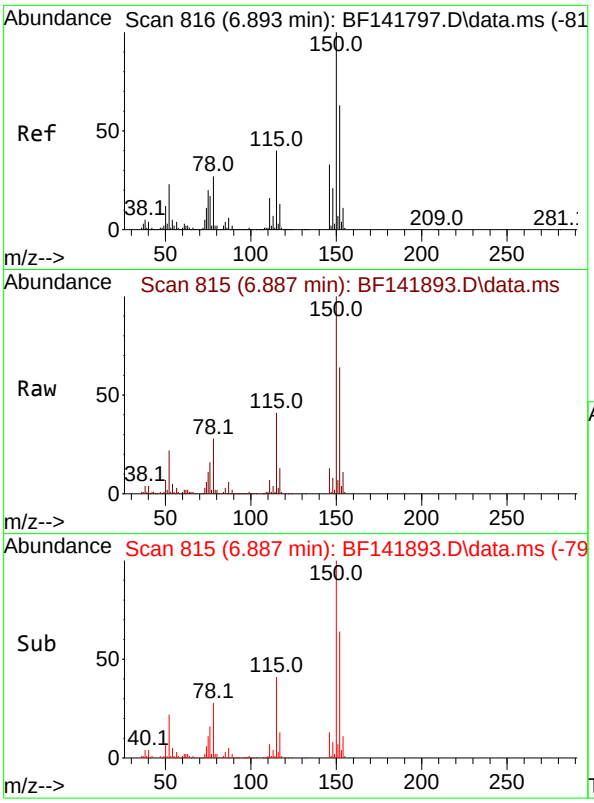
Quant Time: Mar 07 21:45:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

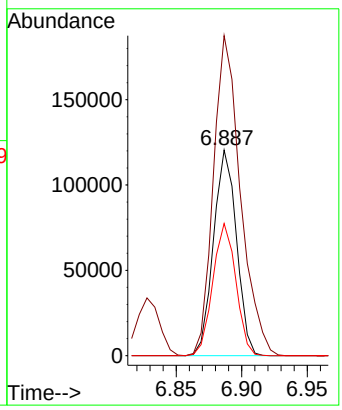




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:152 Resp: 14687

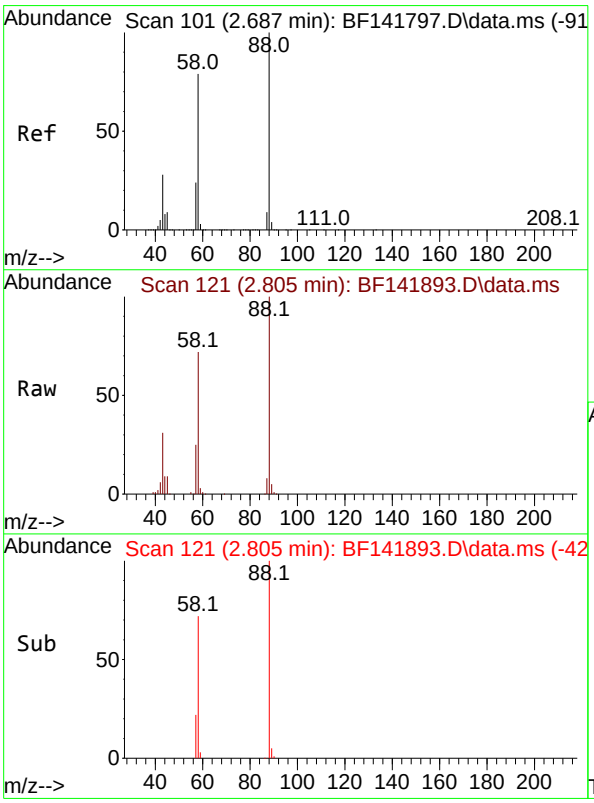
Ion	Ratio	Lower	Upper
152	100		
150	155.6	127.5	191.3
115	64.3	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

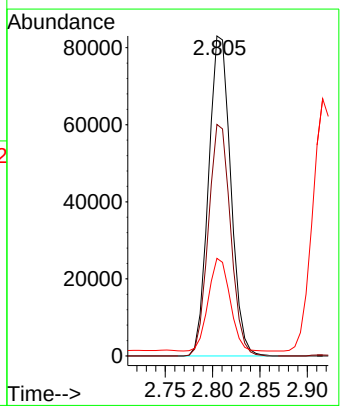
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

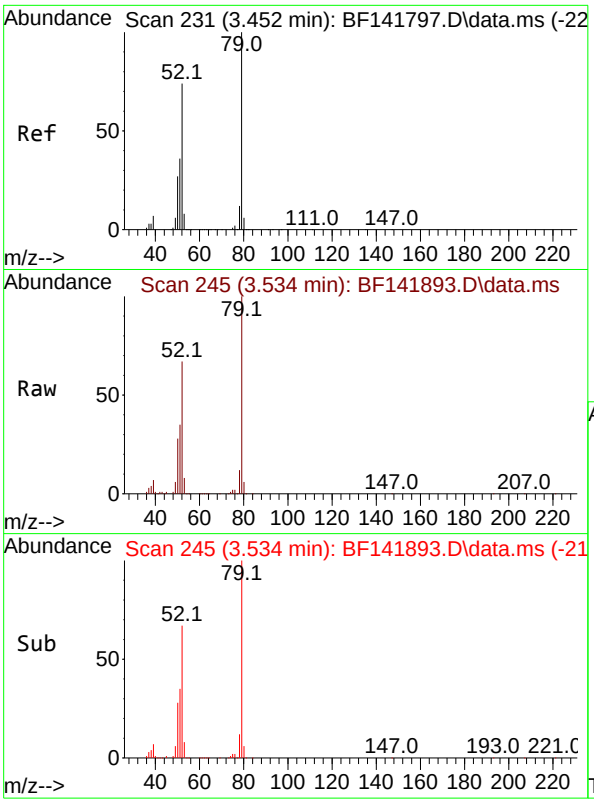


#2
1,4-Dioxane
Concen: 32.337 ng
RT: 2.805 min Scan# 121
Delta R.T. 0.118 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion: 88 Resp: 134944

Ion	Ratio	Lower	Upper
88	100		
58	72.5	63.9	95.9
43	0.0	23.0	34.6#





#3
Pyridine
Concen: 29.301 ng
RT: 3.534 min Scan# 24
Delta R.T. 0.082 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

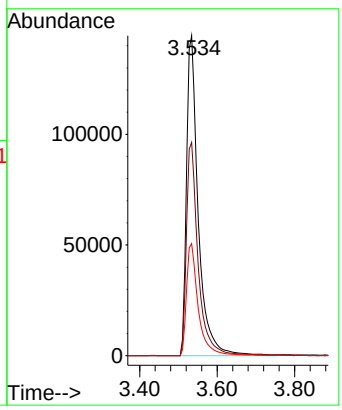
Tgt Ion: 79 Resp: 30422

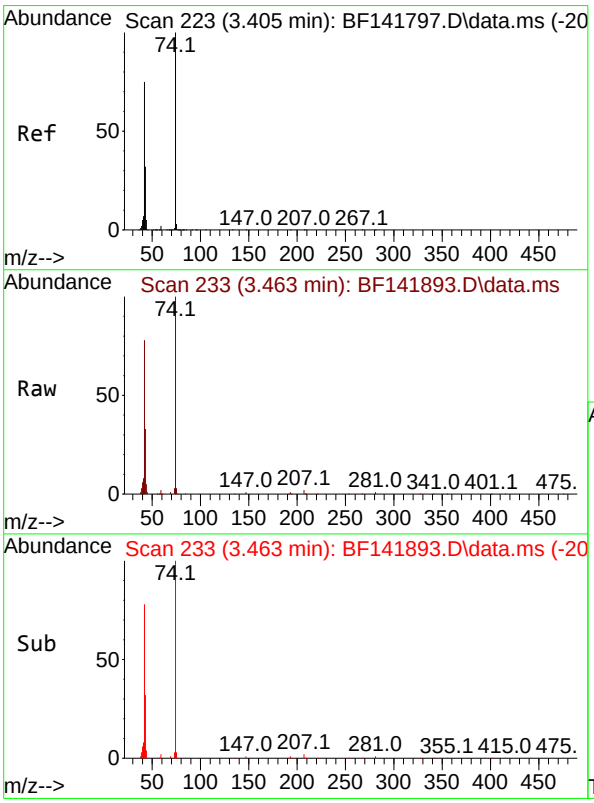
Ion	Ratio	Lower	Upper
79	100		
52	66.7	59.0	88.4
51	35.0	29.0	43.4

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

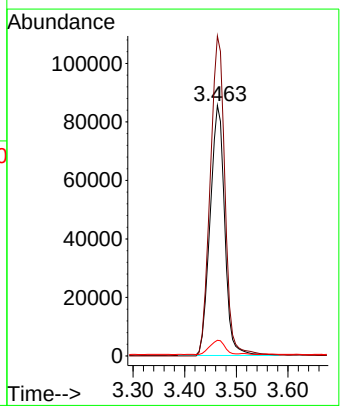


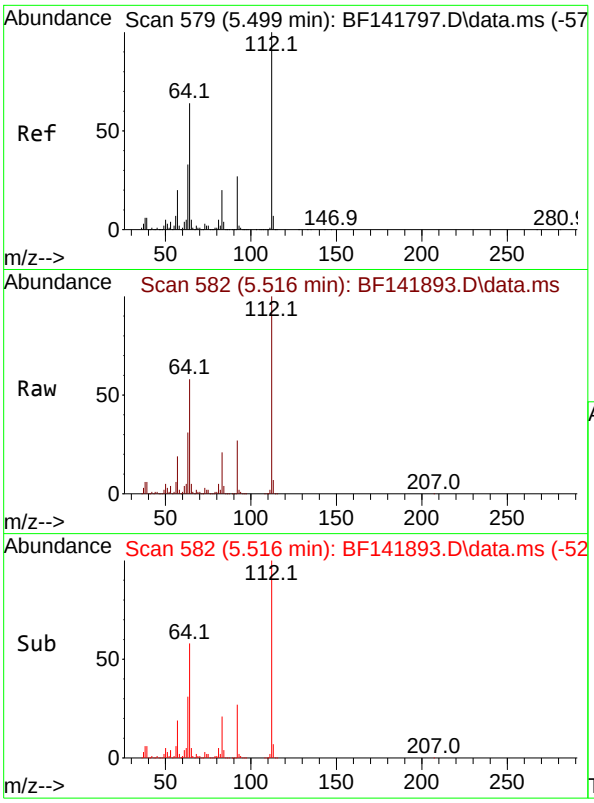


#4
n-Nitrosodimethylamine
Concen: 33.553 ng
RT: 3.463 min Scan# 233
Delta R.T. 0.059 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion: 42 Resp: 167627

Ion	Ratio	Lower	Upper
42	100		
74	127.7	107.1	160.7
44	6.2	6.6	9.8#

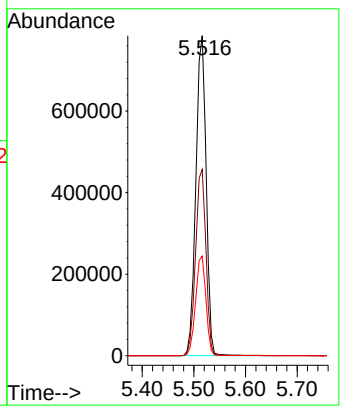




#5
2-Fluorophenol
Concen: 118.061 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:112 Resp: 108578

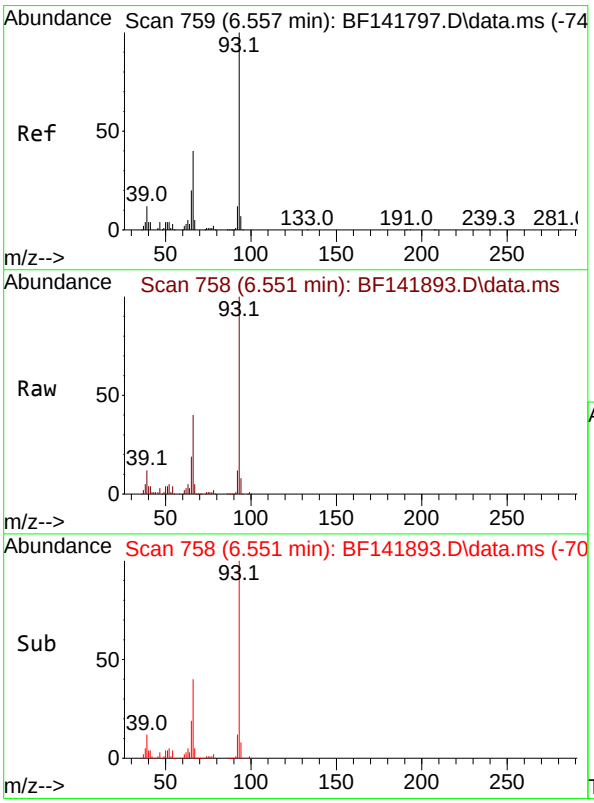
Ion	Ratio	Lower	Upper
112	100		
64	58.2	51.3	76.9
63	31.2	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

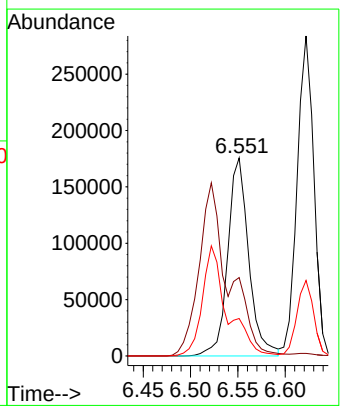
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

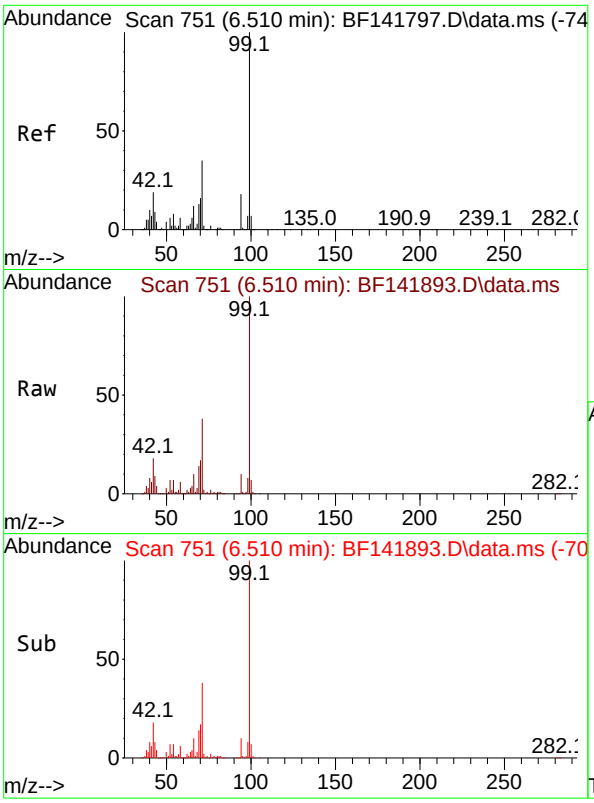


#6
Aniline
Concen: 21.810 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion: 93 Resp: 271425

Ion	Ratio	Lower	Upper
93	100		
66	39.6	32.3	48.5
65	18.9	15.9	23.9

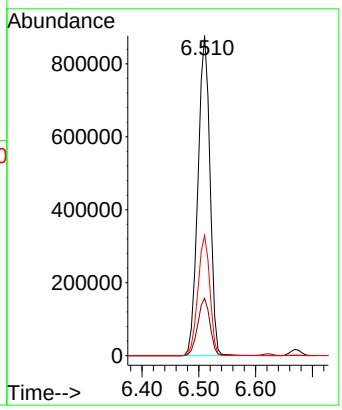




#7
Phenol-d6
Concen: 107.760 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion: 99 Resp: 128993

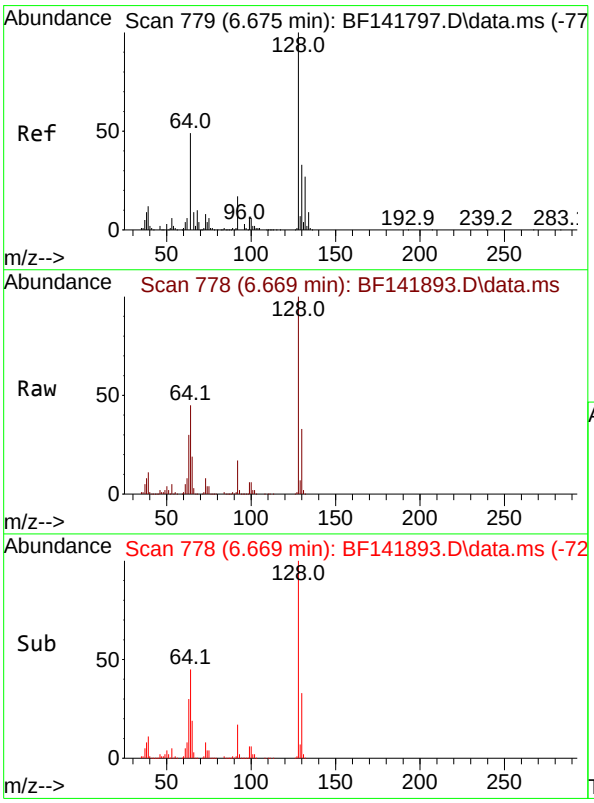
Ion	Ratio	Lower	Upper
99	100		
42	18.0	15.2	22.8
71	37.6	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

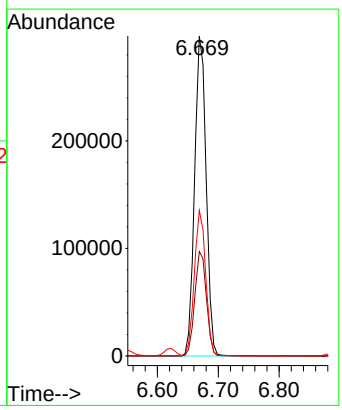
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

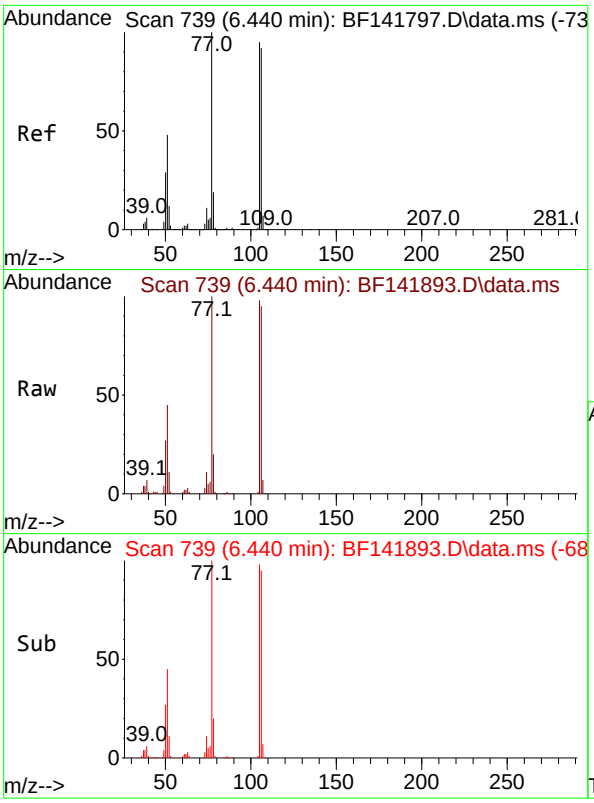


#8
2-Chlorophenol
Concen: 39.409 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:128 Resp: 392071

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	45.5	31.1	71.1

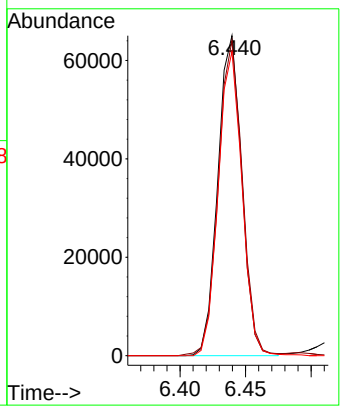




#9
Benzaldehyde
Concen: 11.832 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion: 77 Resp: 8238

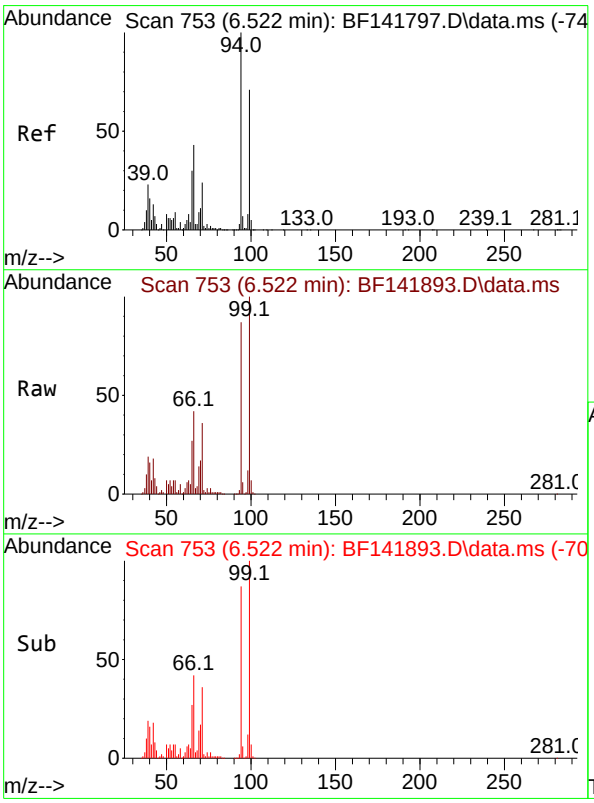
Ion	Ratio	Lower	Upper
77	100		
105	98.5	75.3	115.3
106	95.0	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

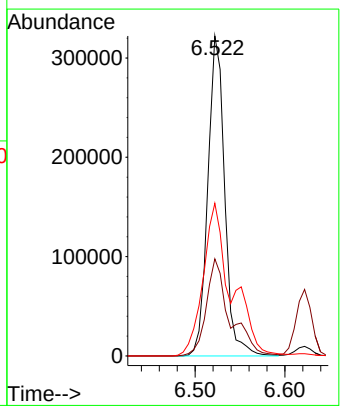
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

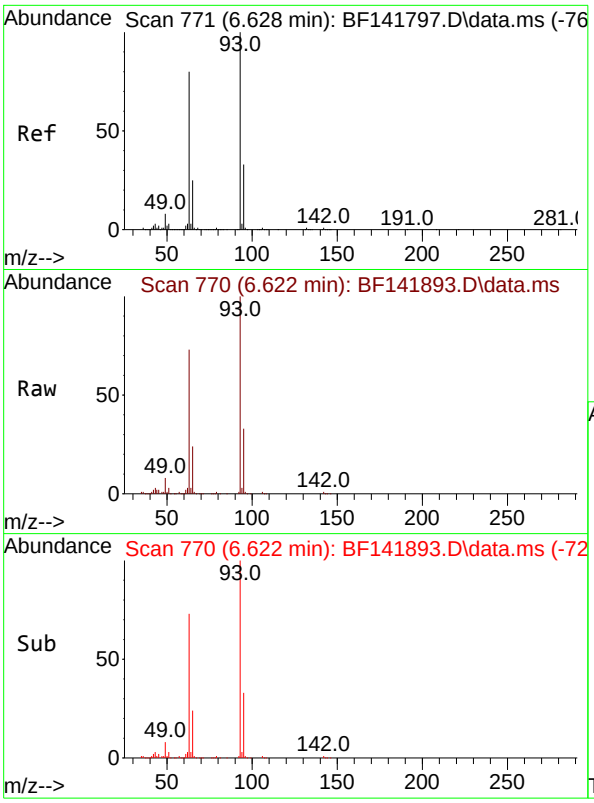


#10
Phenol
Concen: 32.921 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion: 94 Resp: 421103

Ion	Ratio	Lower	Upper
94	100		
65	30.3	10.2	50.2
66	47.7	23.2	63.2

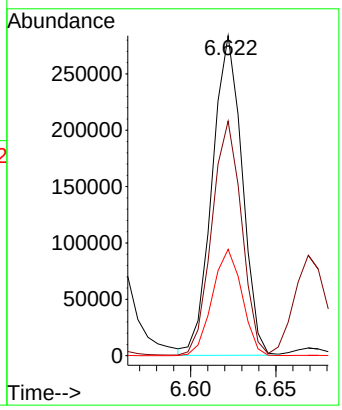




#11
bis(2-Chloroethyl)ether
Concen: 35.618 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion: 93 Resp: 34729

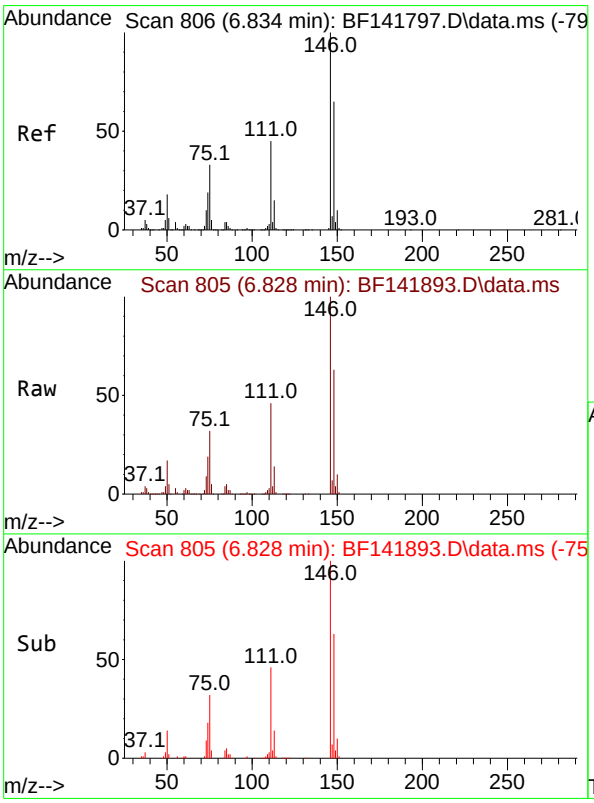
Ion	Ratio	Lower	Upper
93	100		
63	73.3	59.3	99.3
95	33.3	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

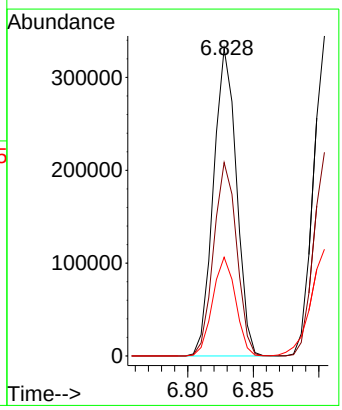
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

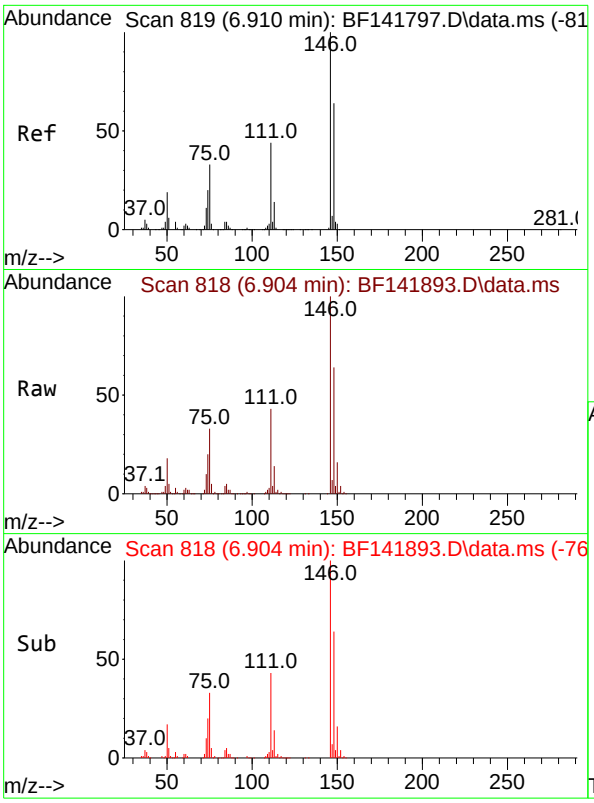


#12
1,3-Dichlorobenzene
Concen: 37.867 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:146 Resp: 403448

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.8	77.6
75	32.1	26.2	39.4

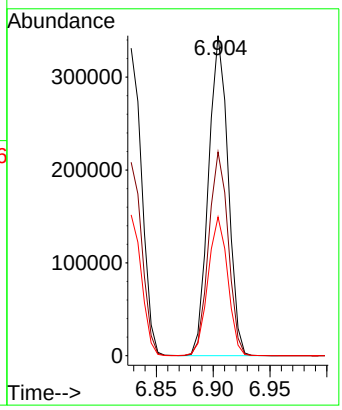




#13
1,4-Dichlorobenzene
Concen: 38.481 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:146 Resp: 41310

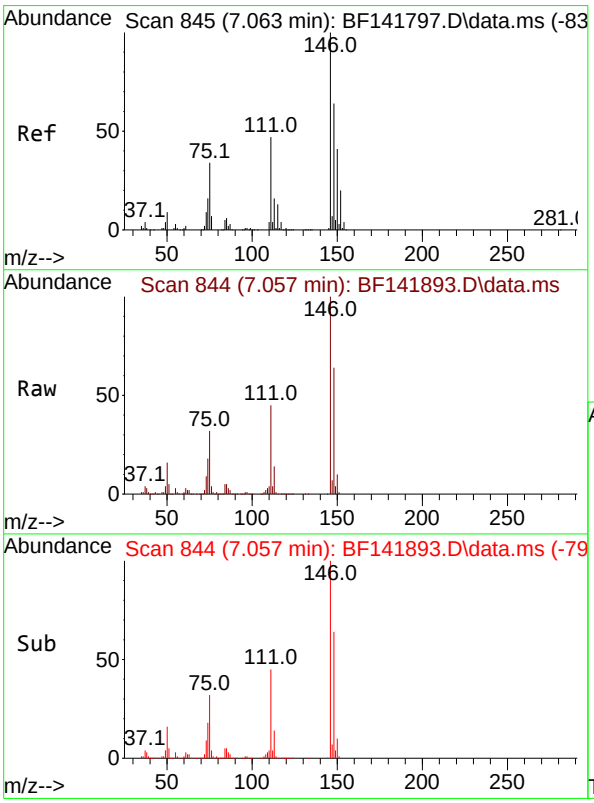
Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.4	77.2
111	43.3	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

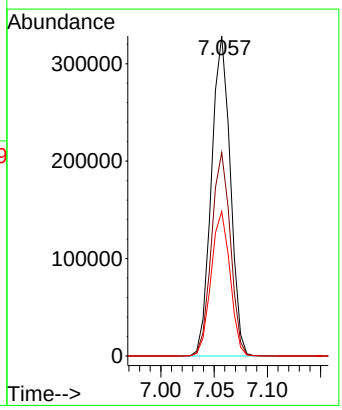
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

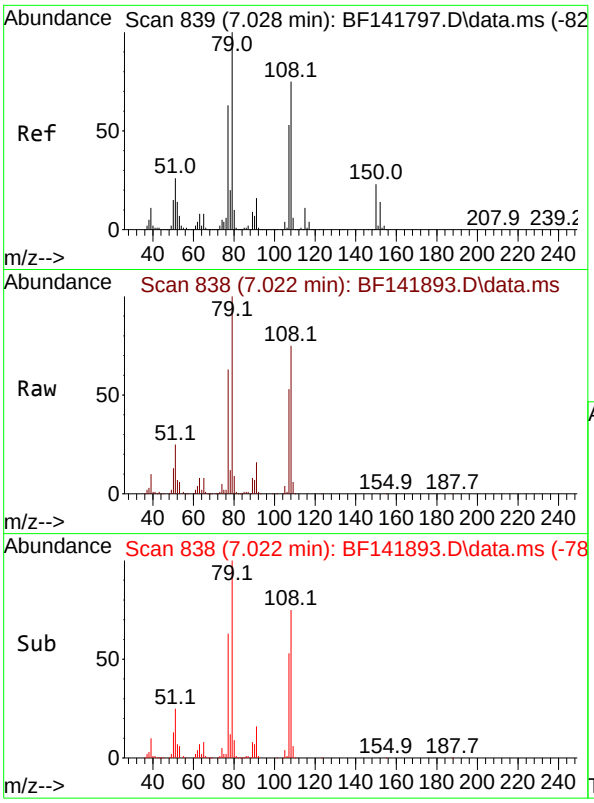


#14
1,2-Dichlorobenzene
Concen: 40.318 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:146 Resp: 404172

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.2	76.8
111	45.1	37.8	56.6





#15
Benzyl Alcohol
Concen: 39.342 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

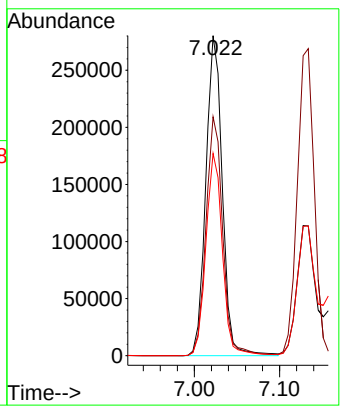
Tgt Ion: 79 Resp: 37637

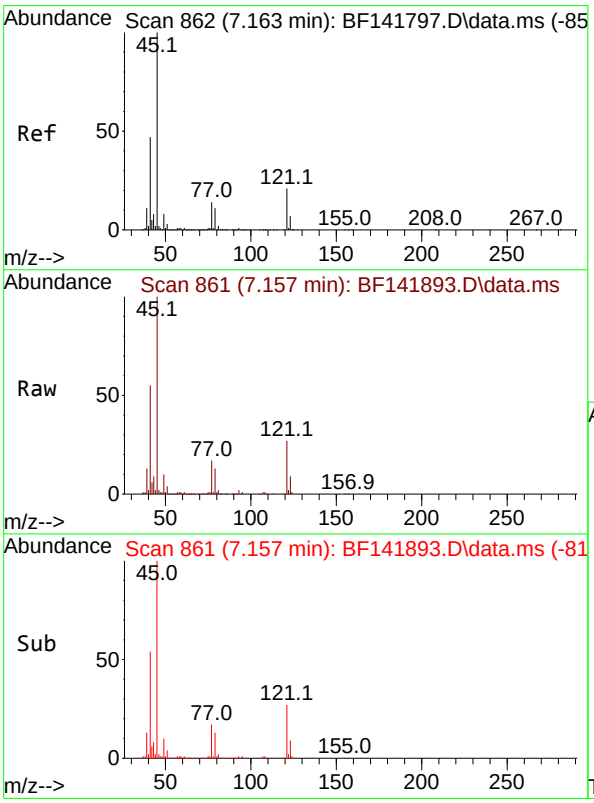
Ion	Ratio	Lower	Upper
79	100		
108	74.7	60.2	90.2
77	63.2	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

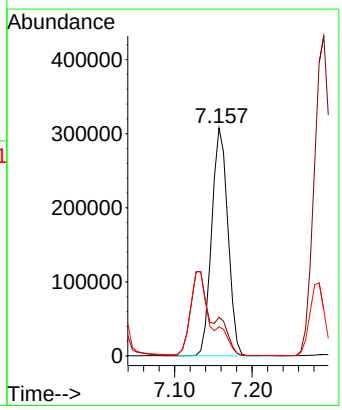


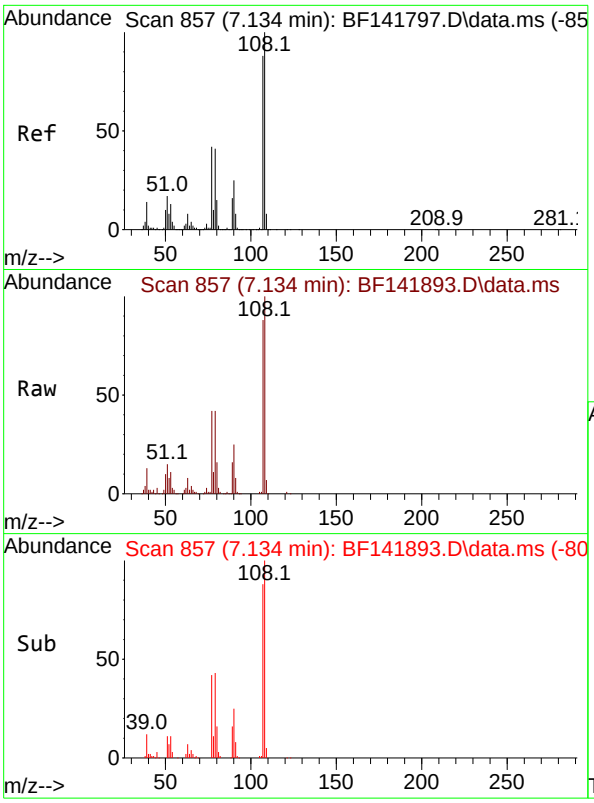


#16
2,2'-oxybis(1-Chloropropane)
Concen: 30.103 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion: 45 Resp: 445763

Ion	Ratio	Lower	Upper
45	100		
77	17.0	0.0	34.4
79	12.8	0.0	30.9

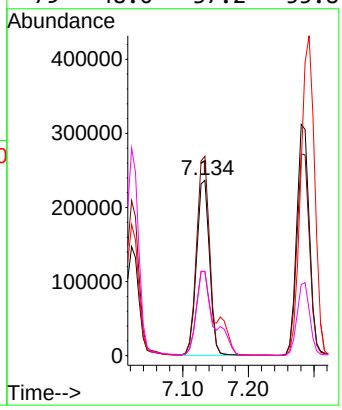




#17
2-Methylphenol
Concen: 39.891 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:107 Resp: 32758

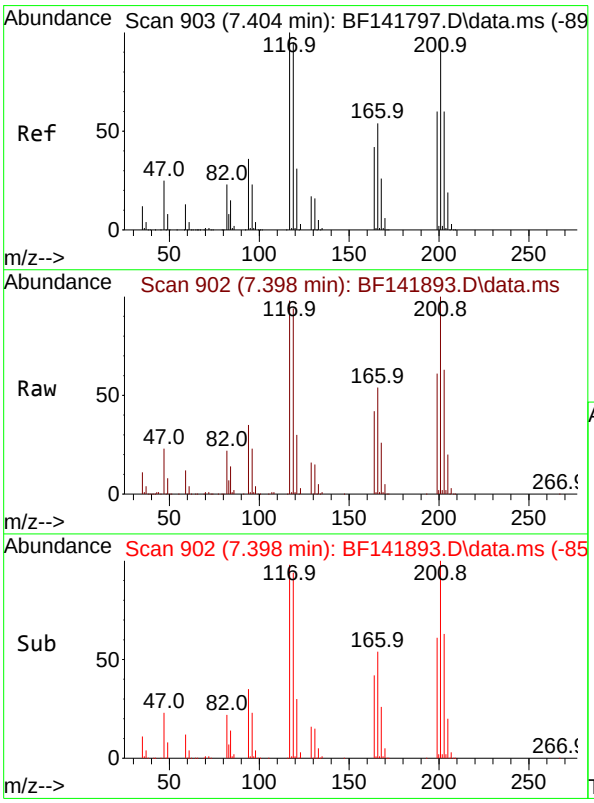
Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.6	135.8
77	48.0	37.7	56.5
79	48.0	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

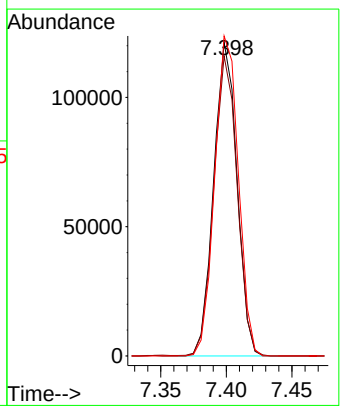
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

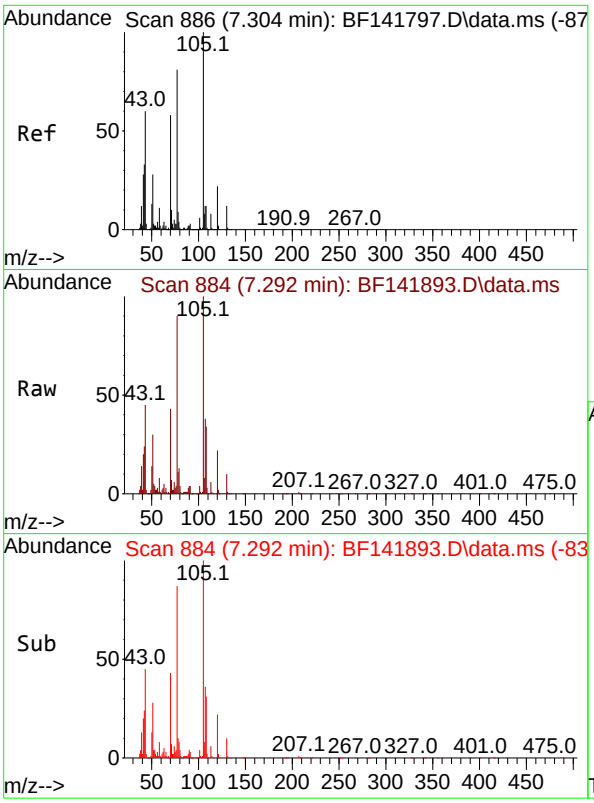


#18
Hexachloroethane
Concen: 37.269 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:117 Resp: 149748

Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.8	113.8
201	102.1	76.7	115.1

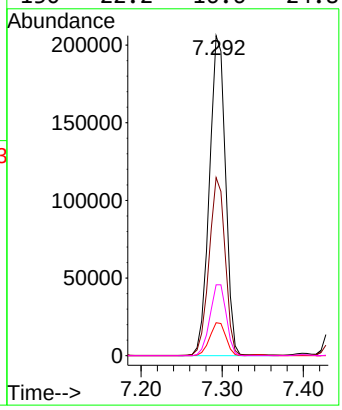




#19
n-Nitroso-di-n-propylamine
Concen: 36.114 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion: 70 Resp: 28417

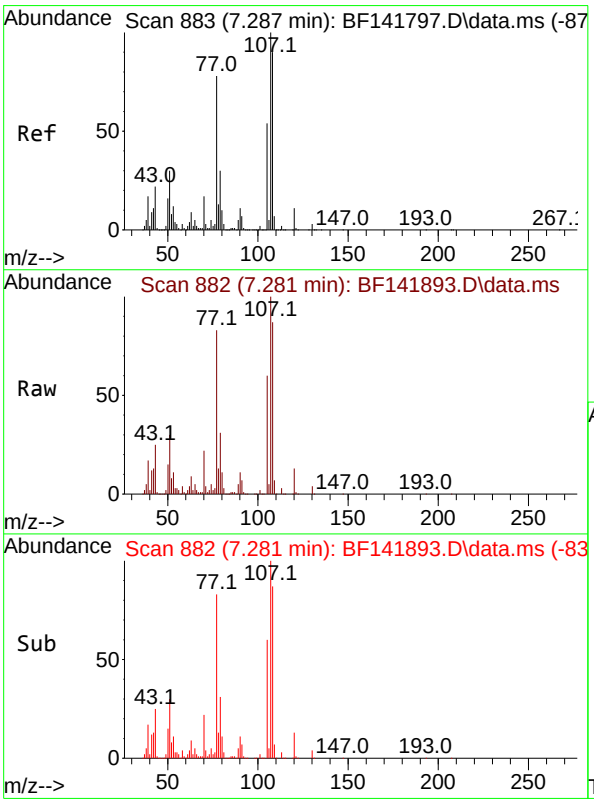
Ion	Ratio	Lower	Upper
70	100		
42	55.7	45.4	68.0
101	10.3	7.8	11.8
130	22.2	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

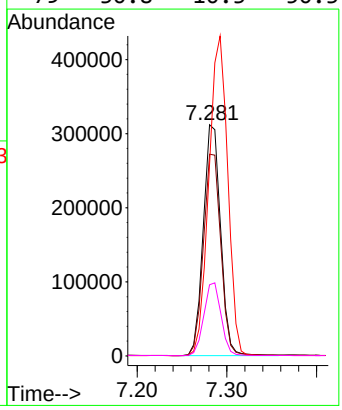
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

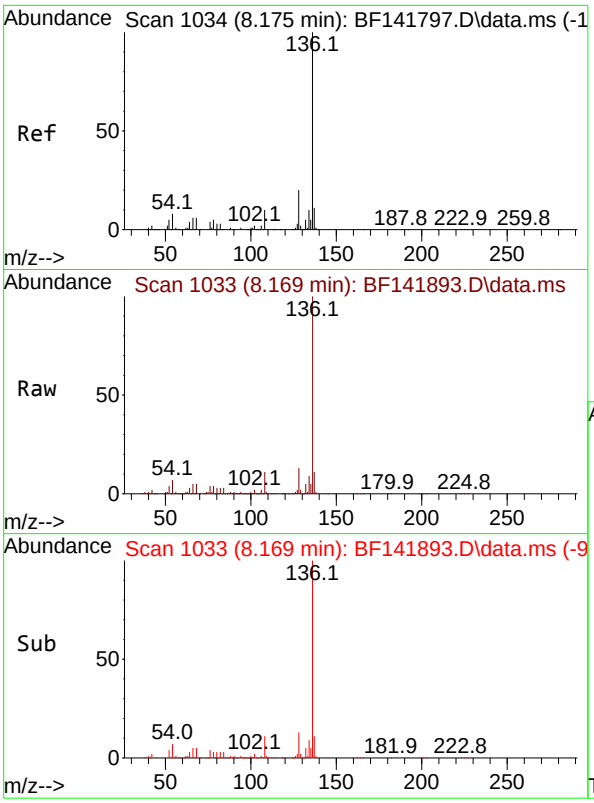


#20
3+4-Methylphenols
Concen: 40.811 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:107 Resp: 417320

Ion	Ratio	Lower	Upper
107	100		
108	87.2	69.7	109.7
77	82.8	58.3	98.3
79	30.8	10.3	50.3

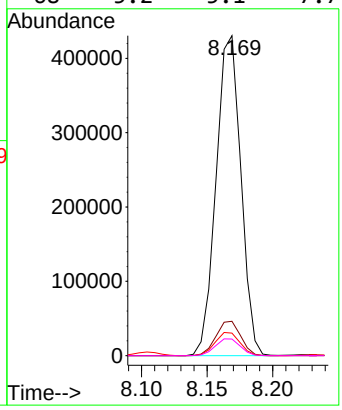




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:136 Resp: 56604

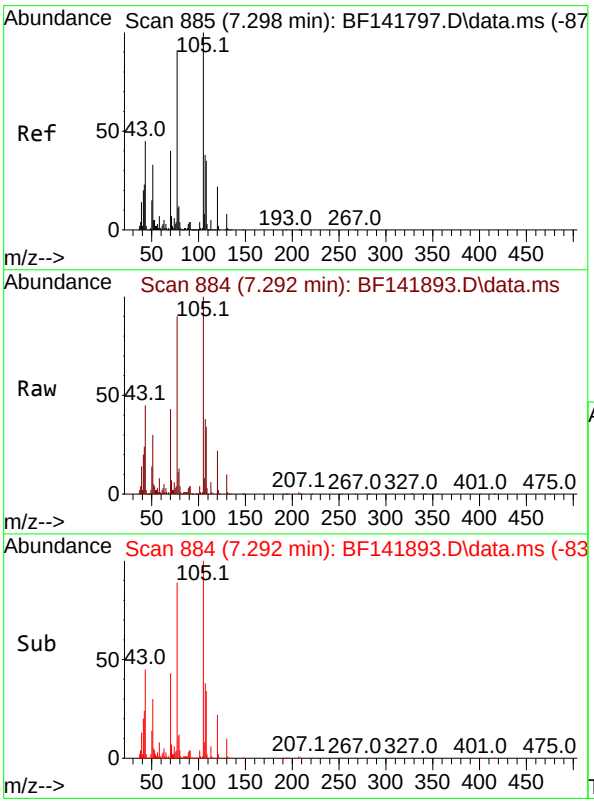
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	7.1	6.9	10.3
68	5.2	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

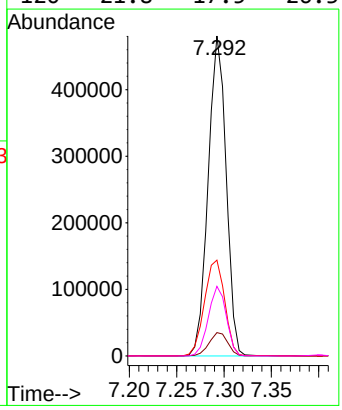
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

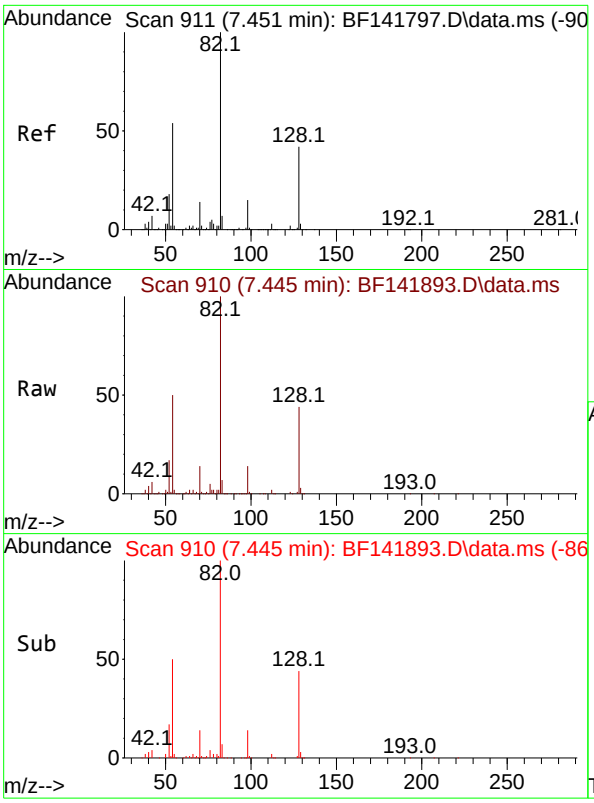


#22
Acetophenone
Concen: 46.096 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:105 Resp: 635484

Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.4	8.0
51	29.9	26.1	39.1
120	21.8	17.5	26.3

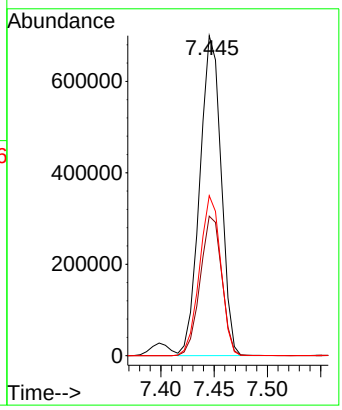




#23
Nitrobenzene-d5
Concen: 110.305 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion: 82 Resp: 97681

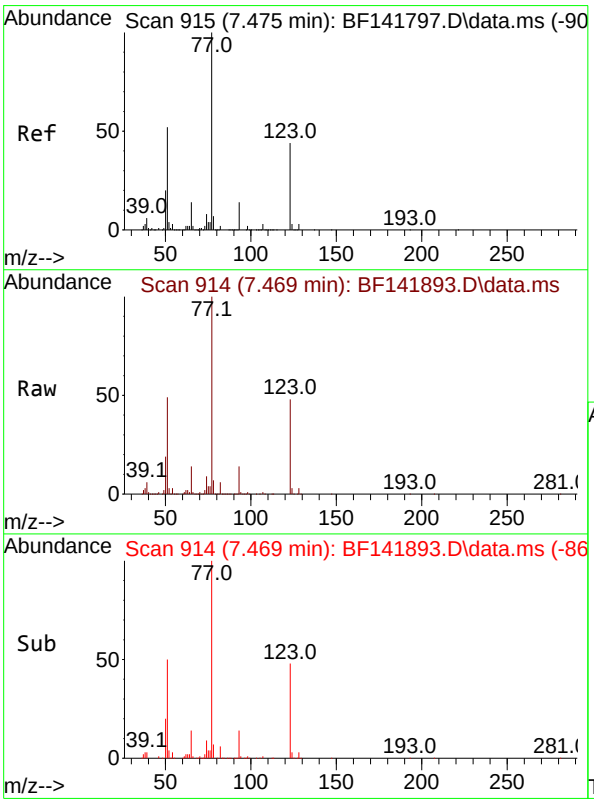
Ion	Ratio	Lower	Upper
82	100		
128	43.6	33.5	50.3
54	50.0	42.7	64.1



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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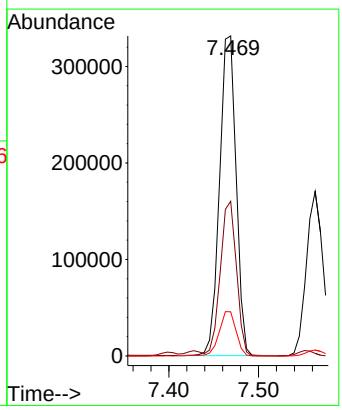
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

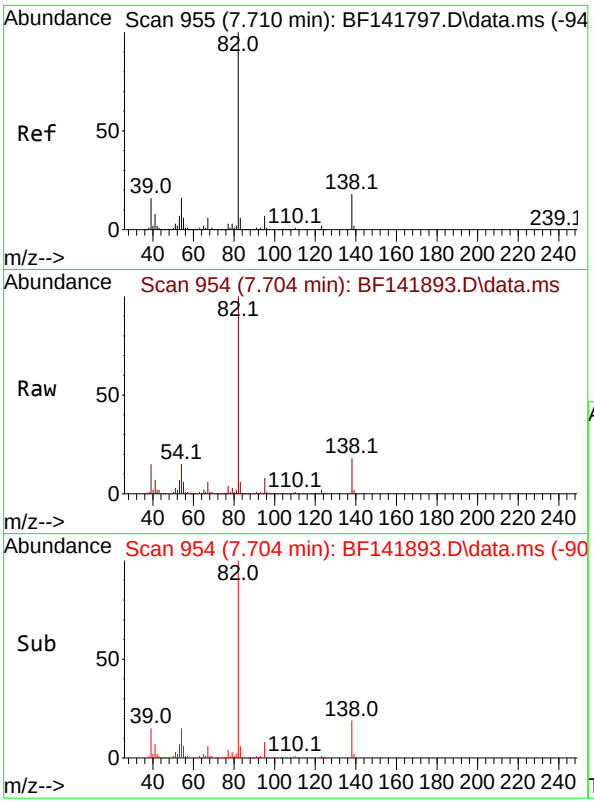


#24
Nitrobenzene
Concen: 44.899 ng
RT: 7.469 min Scan# 914
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion: 77 Resp: 425775

Ion	Ratio	Lower	Upper
77	100		
123	48.3	35.8	53.8
65	13.8	11.2	16.8

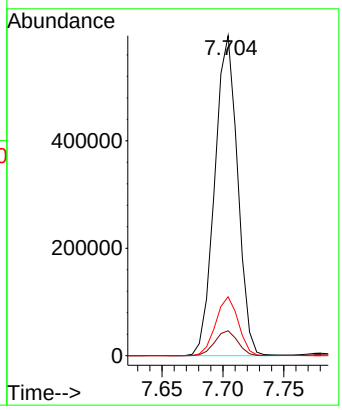




#25
Isophorone
Concen: 40.987 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion: 82 Resp: 77977

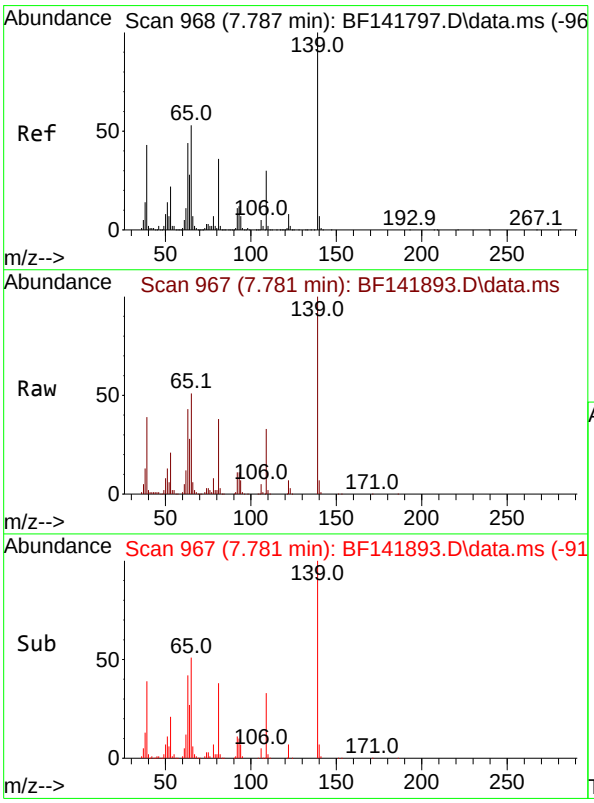
Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.8	8.8
138	18.4	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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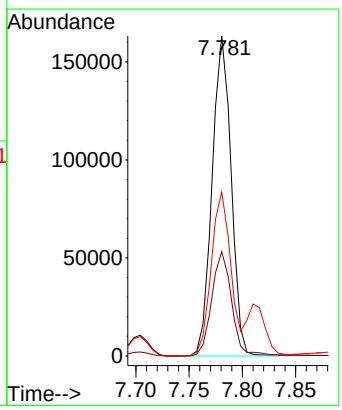
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

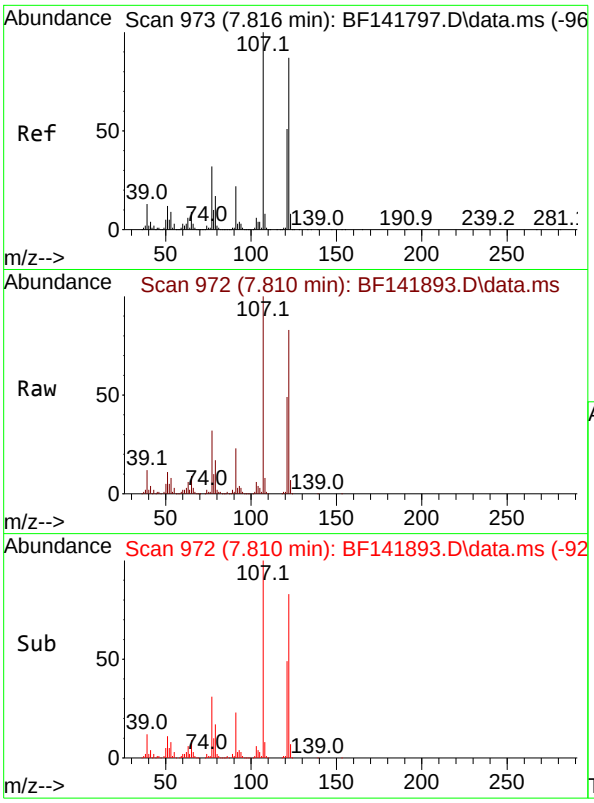


#26
2-Nitrophenol
Concen: 47.827 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:139 Resp: 202530

Ion	Ratio	Lower	Upper
139	100		
109	32.6	24.1	36.1
65	51.2	42.3	63.5





#27
2,4-Dimethylphenol
Concen: 49.638 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

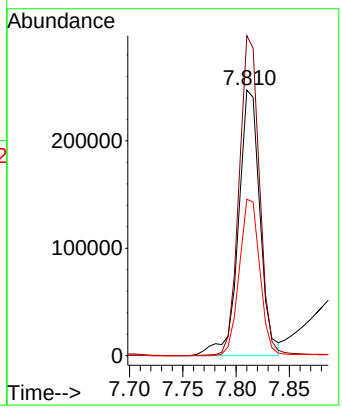
Tgt Ion:122 Resp: 34714

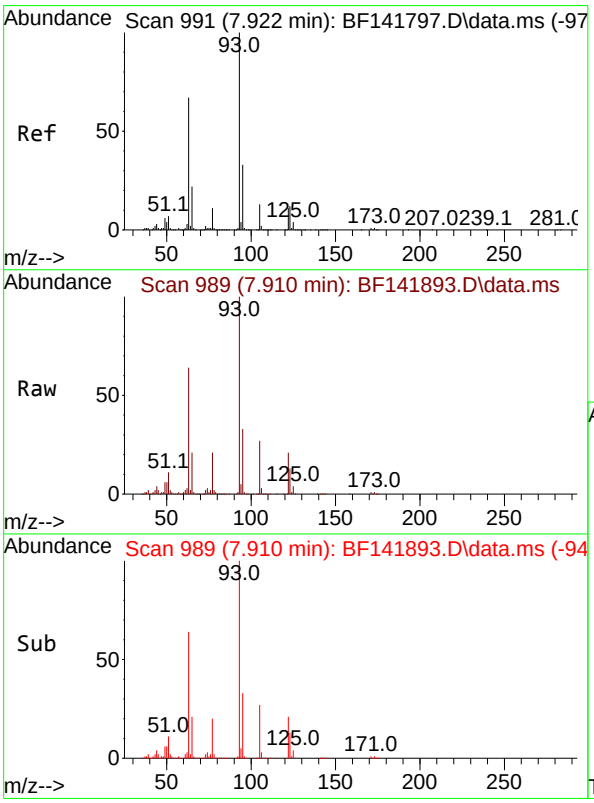
Ion	Ratio	Lower	Upper
122	100		
107	120.5	92.5	138.7
121	58.9	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

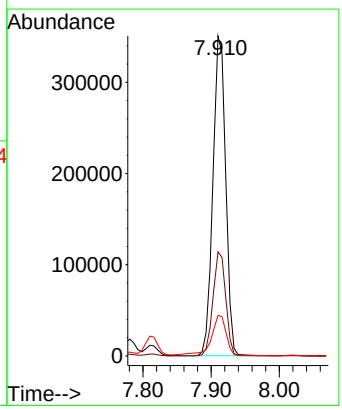


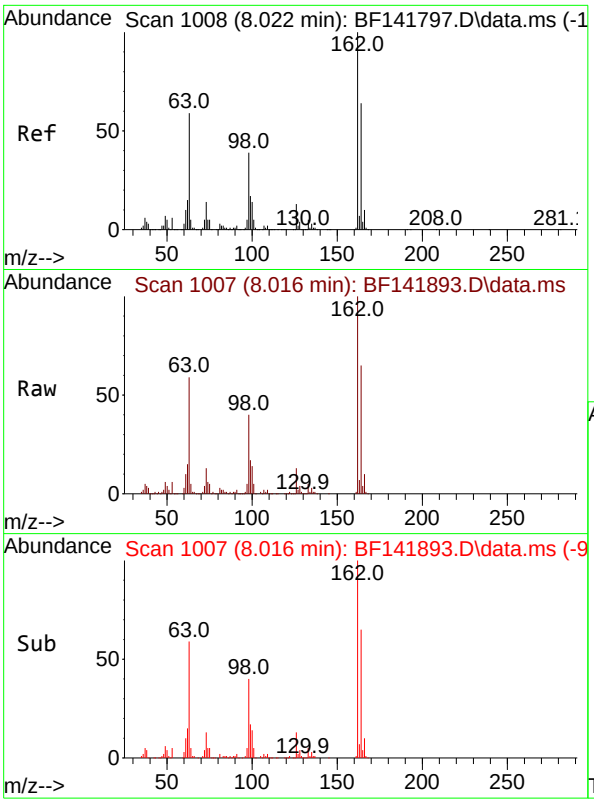


#28
bis(2-Chloroethoxy)methane
Concen: 37.700 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion: 93 Resp: 457528

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.5	39.7
123	12.7	10.0	15.0





#29
2,4-Dichlorophenol
Concen: 42.882 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

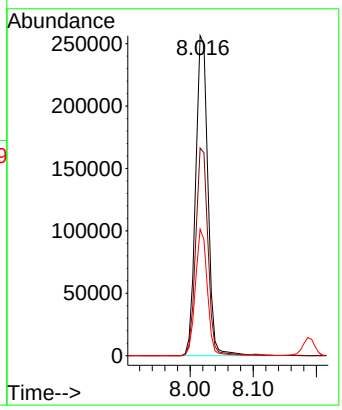
Tgt Ion:162 Resp: 34596

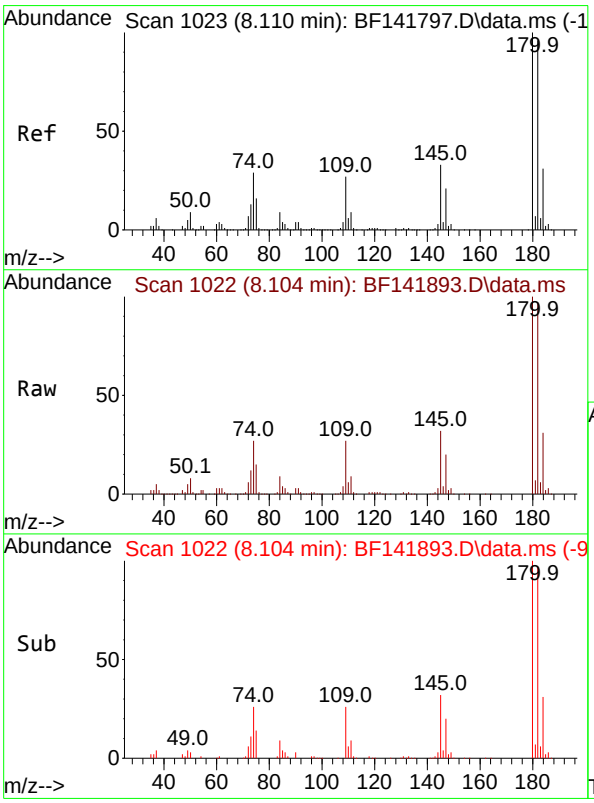
Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.3	84.3
98	39.5	19.6	59.6

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

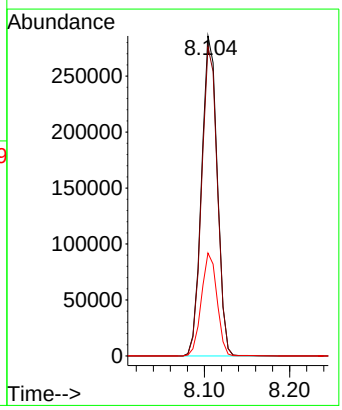


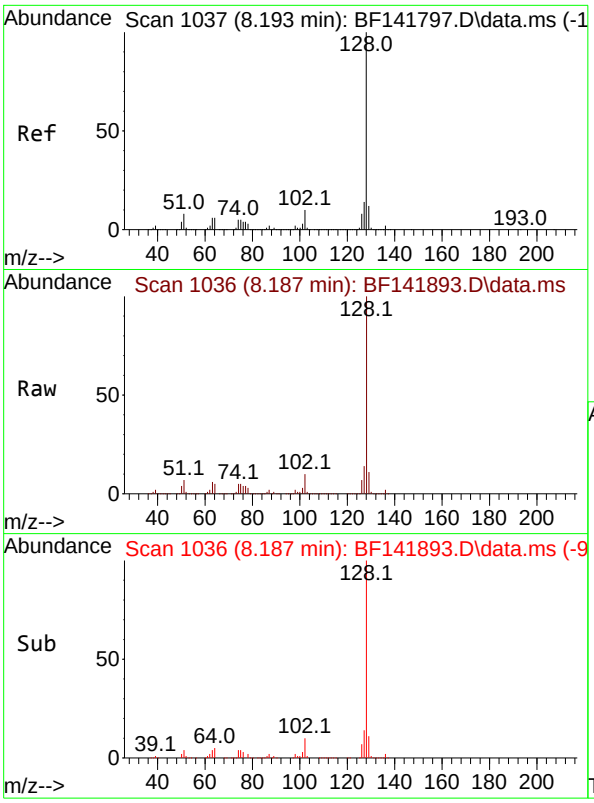


#30
1,2,4-Trichlorobenzene
Concen: 41.399 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:180 Resp: 365988

Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.8	115.2
145	32.2	26.4	39.6

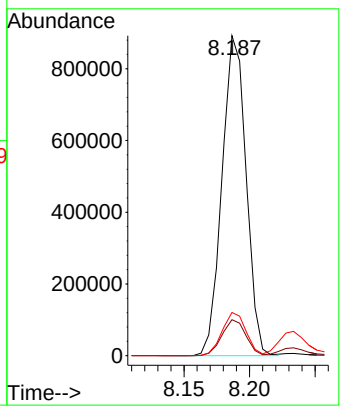




#31
Naphthalene
Concen: 39.230 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:128 Resp: 114128

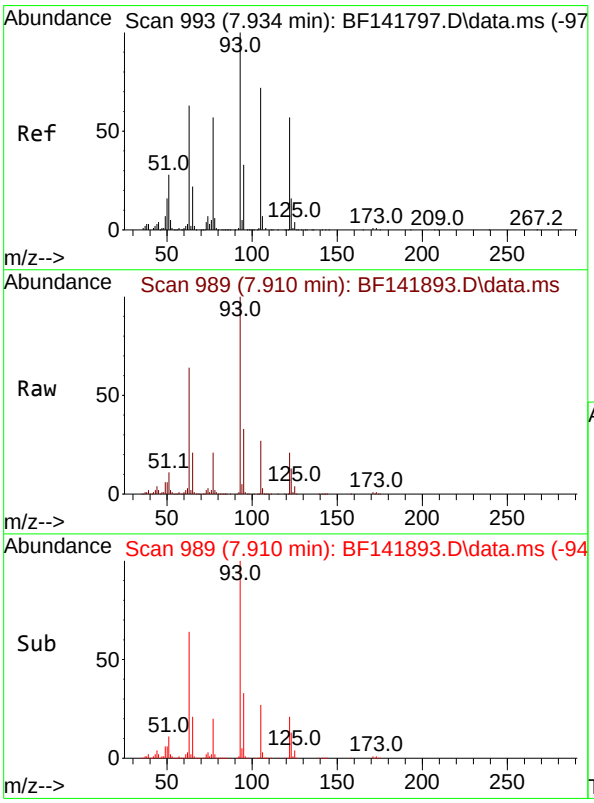
Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.5	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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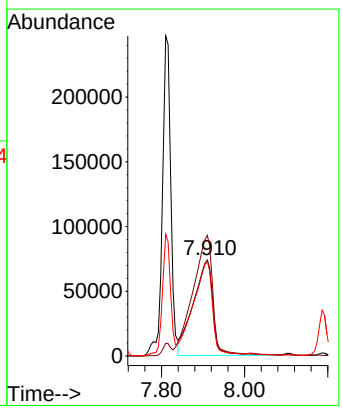
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

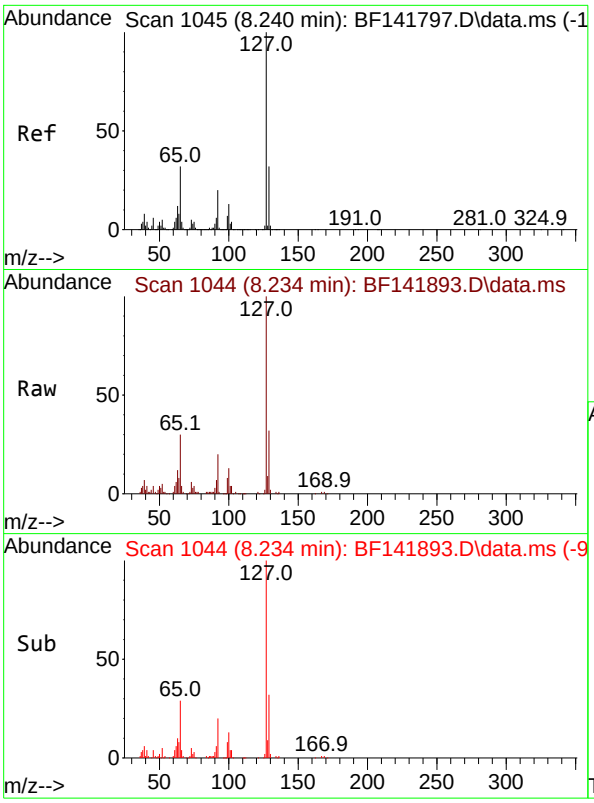


#32
Benzoic acid
Concen: 43.017 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.024 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:122 Resp: 245541

Ion	Ratio	Lower	Upper
122	100		
105	125.7	105.8	145.8
77	98.7	79.9	119.9

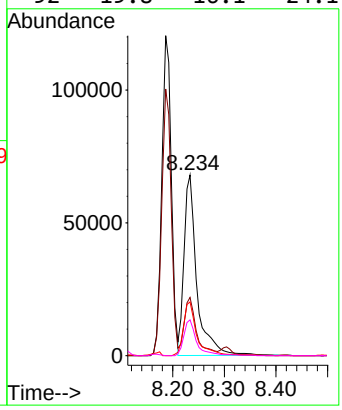




#33
4-Chloroaniline
Concen: 11.018 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:127 Resp: 11753

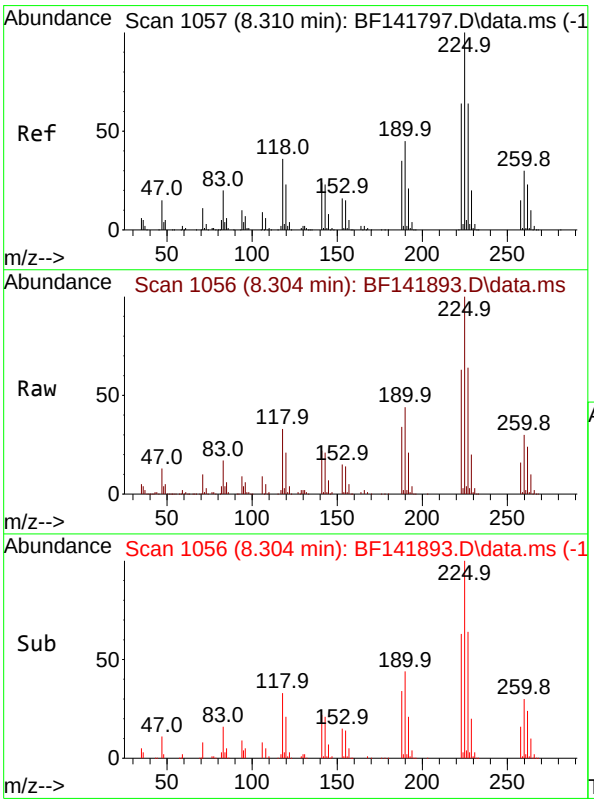
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	29.8	25.7	38.5
92	19.8	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

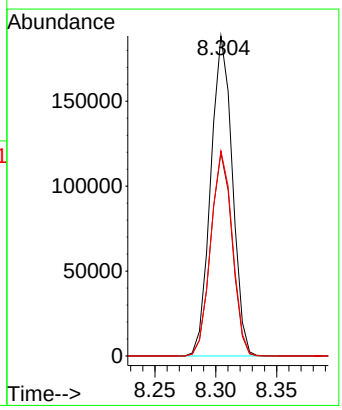
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

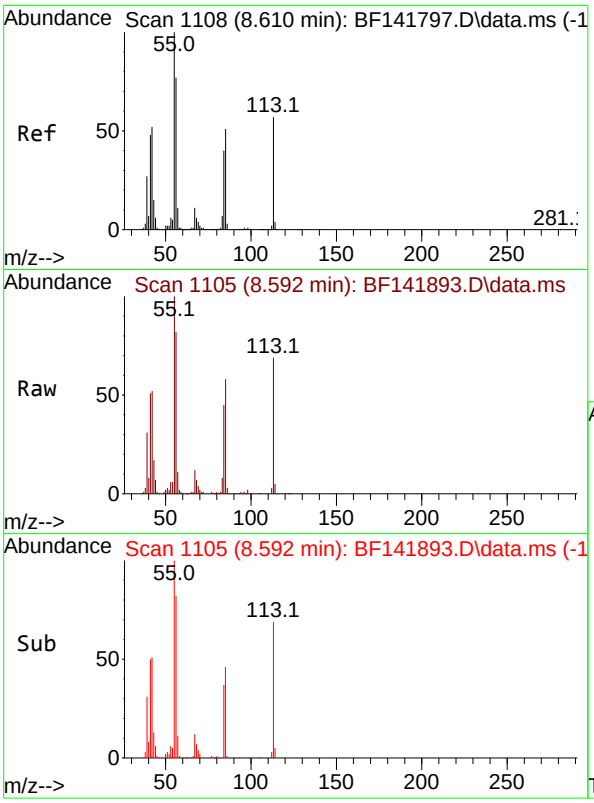


#34
Hexachlorobutadiene
Concen: 42.309 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:225 Resp: 232432

Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.4	77.2
227	64.1	51.6	77.4

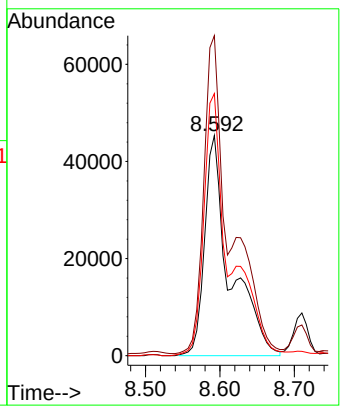




#35
Caprolactam
Concen: 43.446 ng m
RT: 8.592 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:113 Resp: 10782

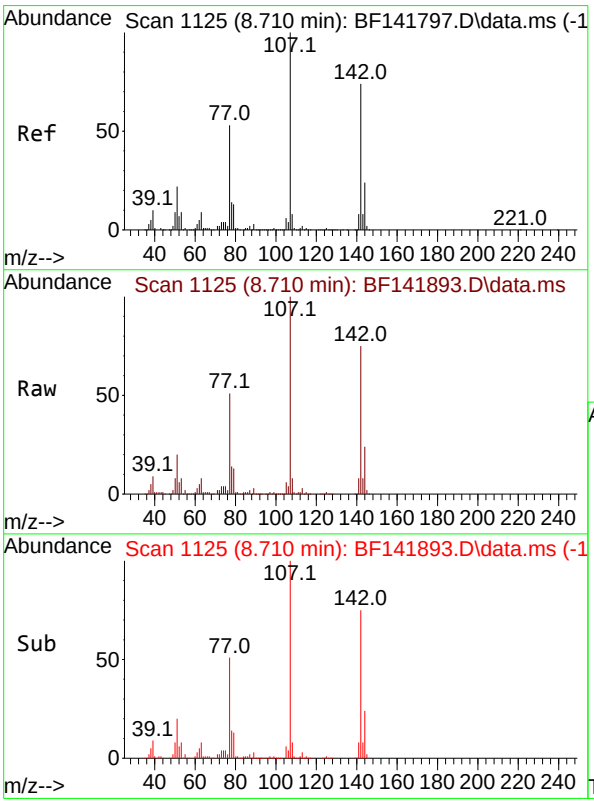
Ion	Ratio	Lower	Upper
113	100		
55	145.4	155.6	195.6
56	119.0	114.6	154.6



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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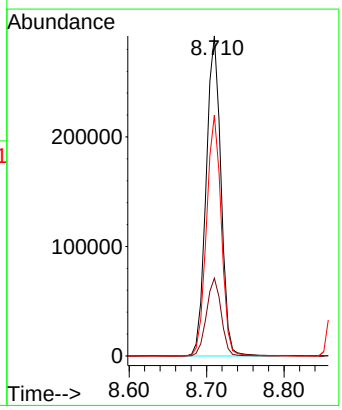
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

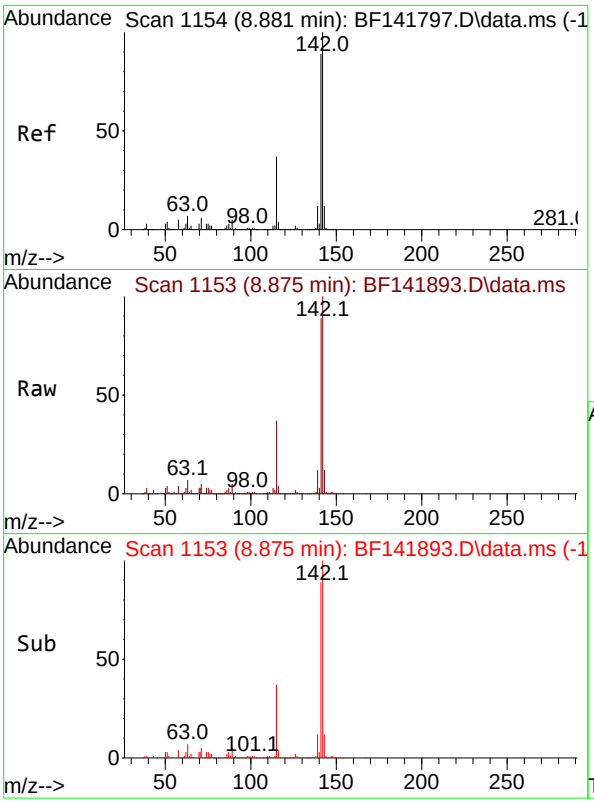


#36
4-Chloro-3-methylphenol
Concen: 43.283 ng
RT: 8.710 min Scan# 1125
Delta R.T. -0.000 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:107 Resp: 387917

Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.4	29.0
142	75.3	59.4	89.0

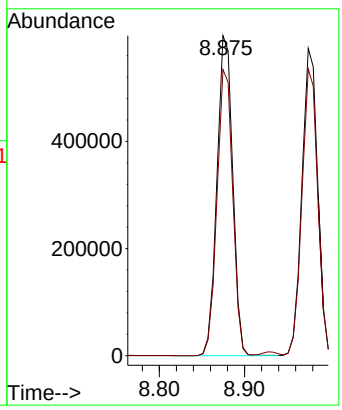




#37
2-Methylnaphthalene
Concen: 40.308 ng
RT: 8.875 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:142 Resp: 76916

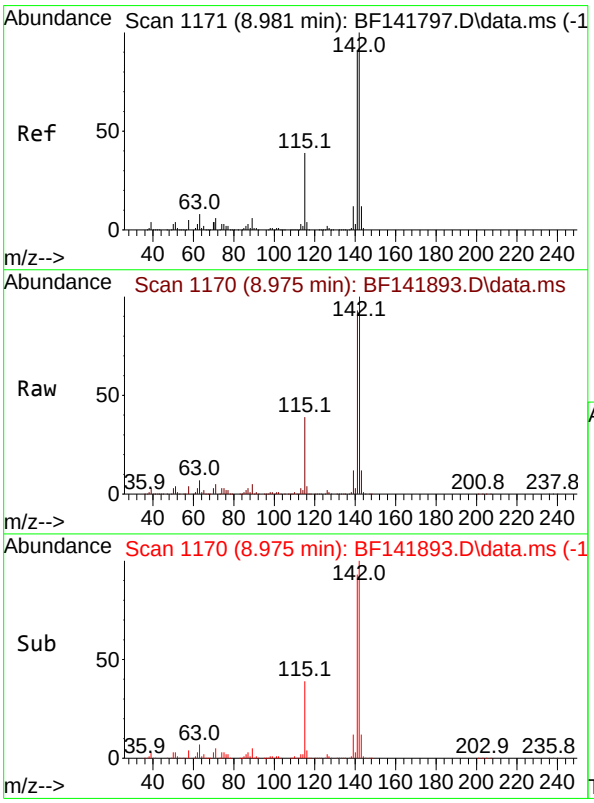
Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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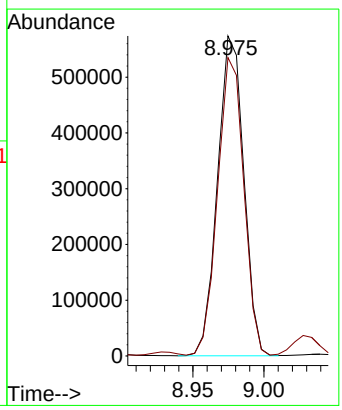
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

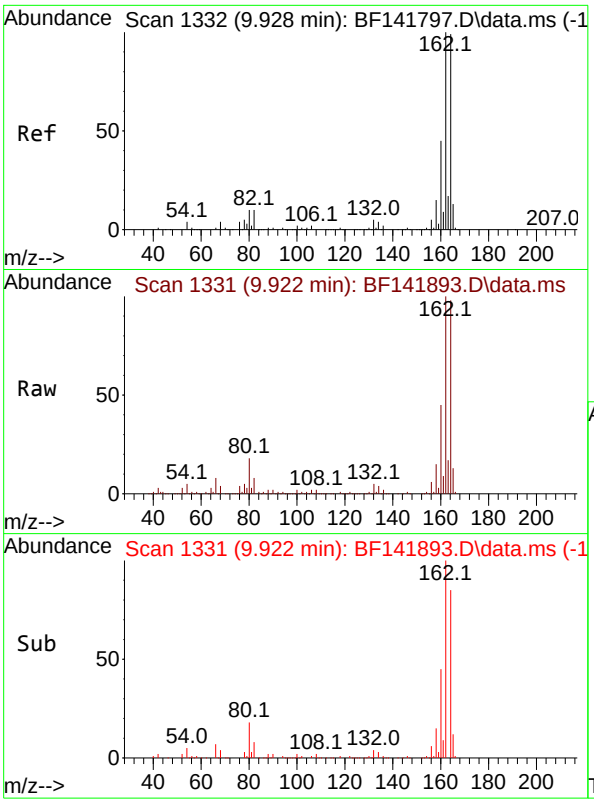


#38
1-Methylnaphthalene
Concen: 40.174 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:142 Resp: 735586

Ion	Ratio	Lower	Upper
142	100		
141	93.3	73.1	109.7

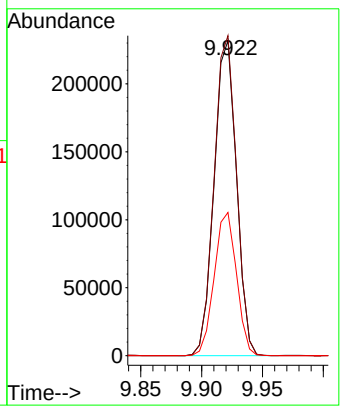




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:164 Resp: 29635

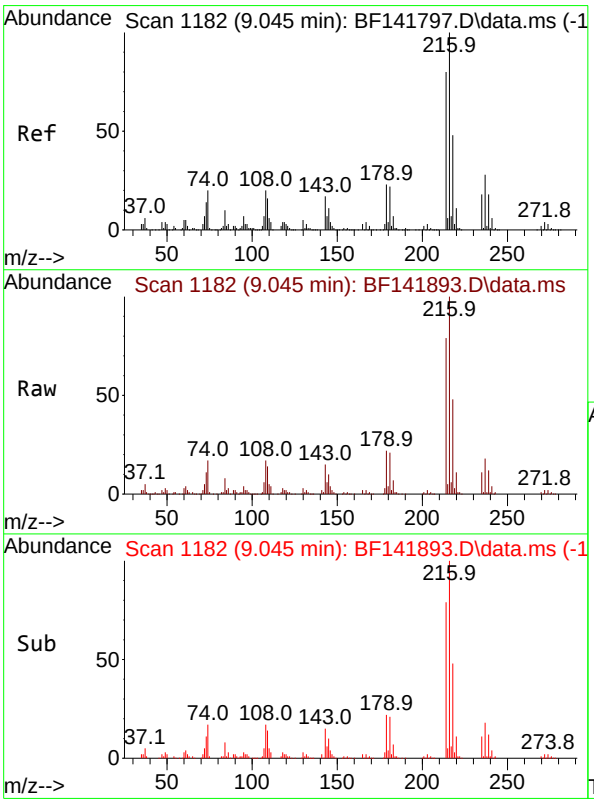
Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.6	120.8
160	45.5	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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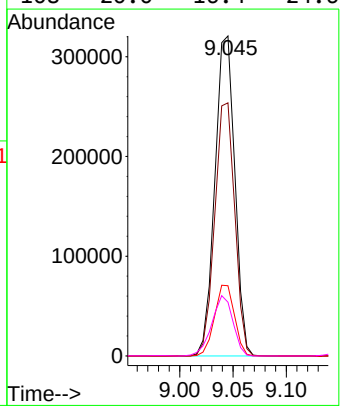
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

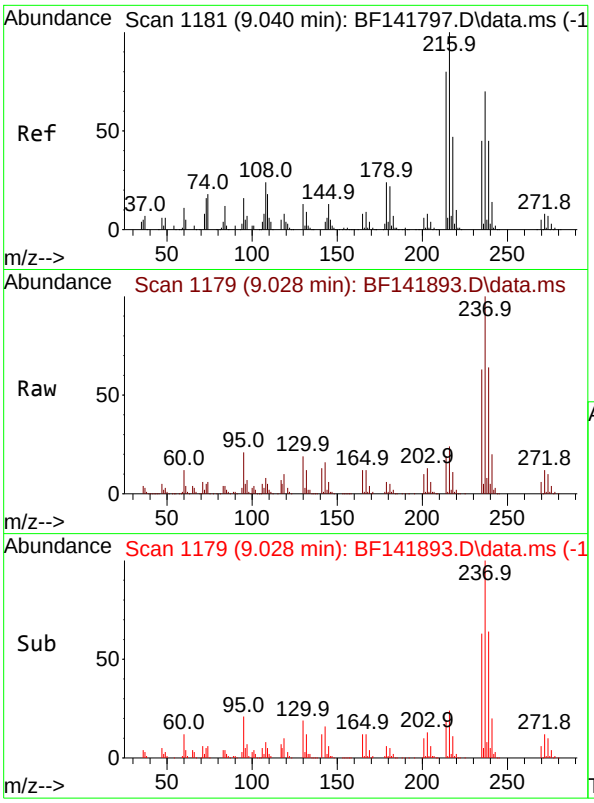


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.755 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:216 Resp: 417293

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.5	95.3
179	22.2	18.1	27.1
108	20.0	16.4	24.6





#41
Hexachlorocyclopentadiene
Concen: 107.863 ng
RT: 9.028 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

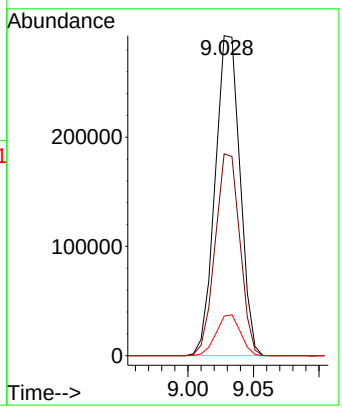
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

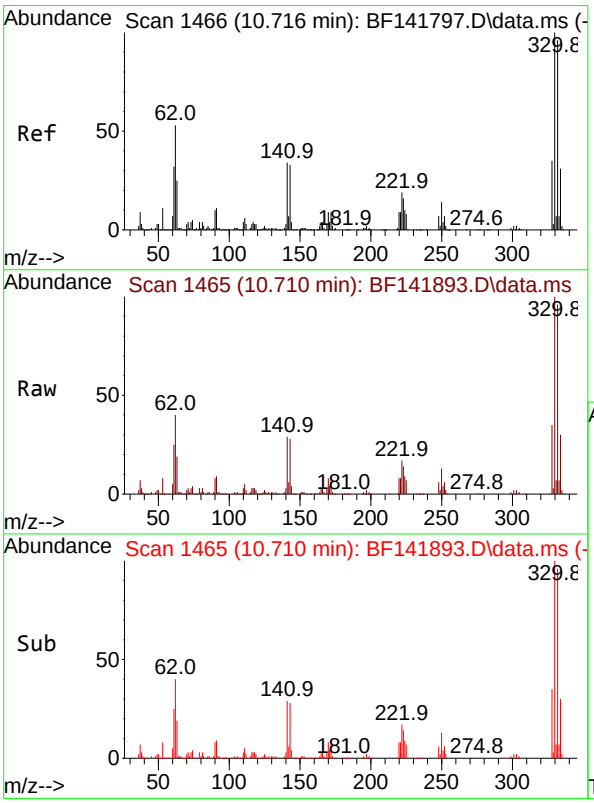
Tgt Ion:237 Resp: 38527

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.3	83.3
272	12.3	0.0	31.9

Manual Integrations
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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

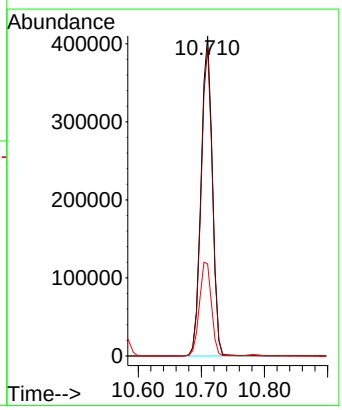


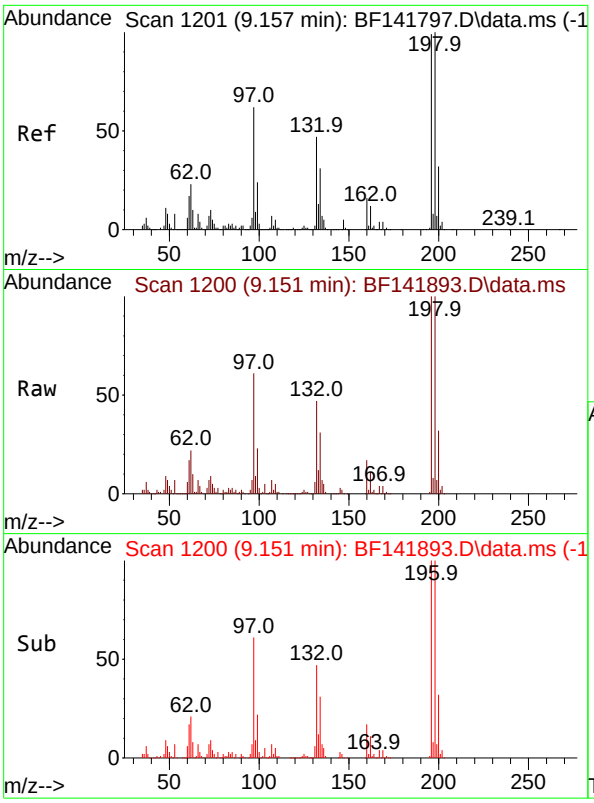


#42
2,4,6-Tribromophenol
Concen: 182.438 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:330 Resp: 507581

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	31.1	29.0	43.4

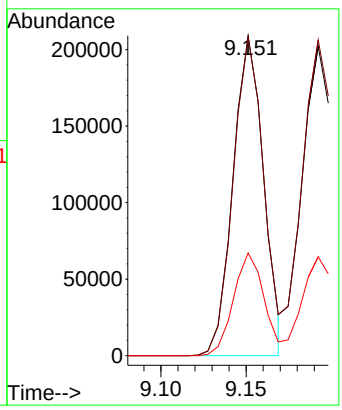




#43
2,4,6-Trichlorophenol
Concen: 47.135 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:196 Resp: 26059

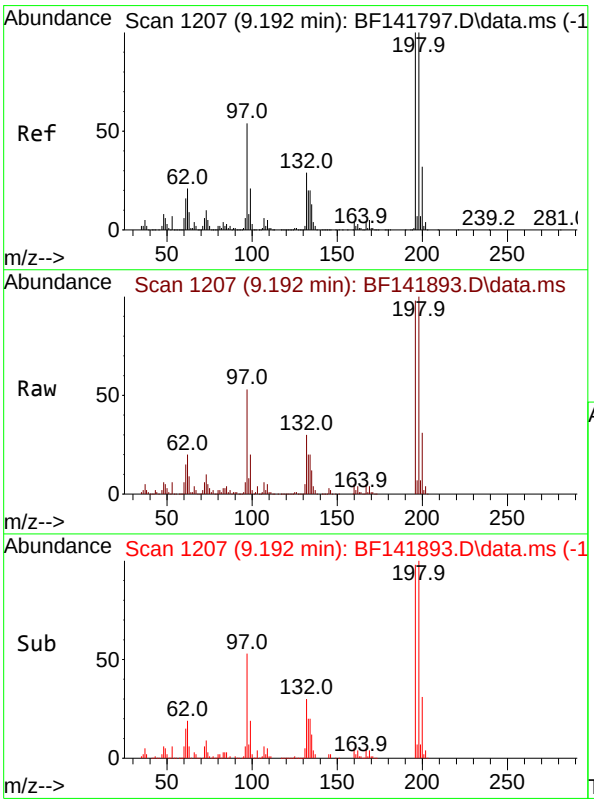
Ion	Ratio	Lower	Upper
196	100		
198	99.5	80.4	120.6
200	32.1	25.7	38.5



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

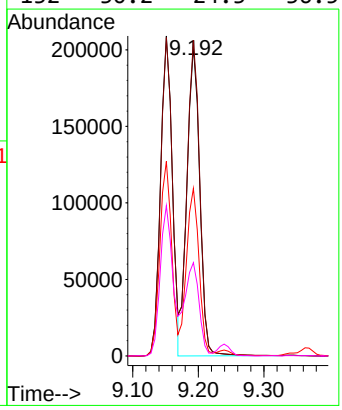
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

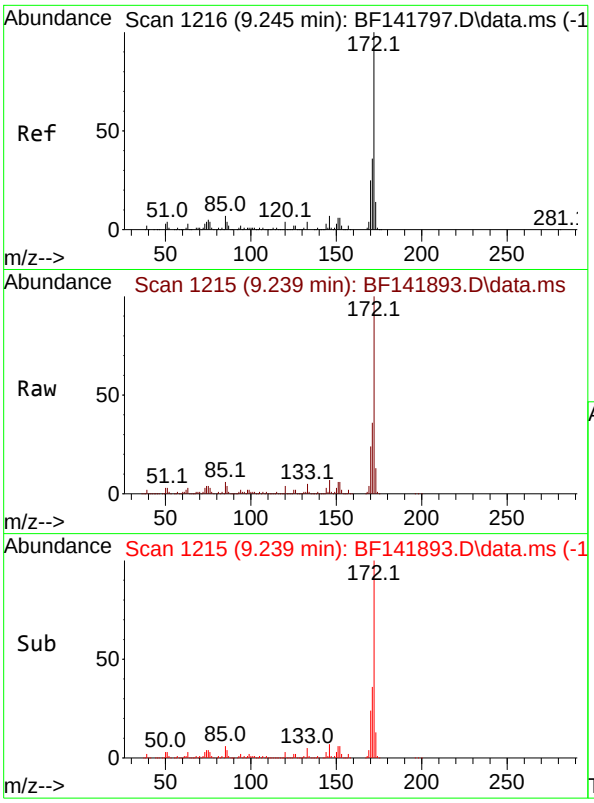


#44
2,4,5-Trichlorophenol
Concen: 49.921 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:196 Resp: 273305

Ion	Ratio	Lower	Upper
196	100		
198	102.1	79.7	119.5
97	54.2	44.2	66.2
132	30.2	24.3	36.5

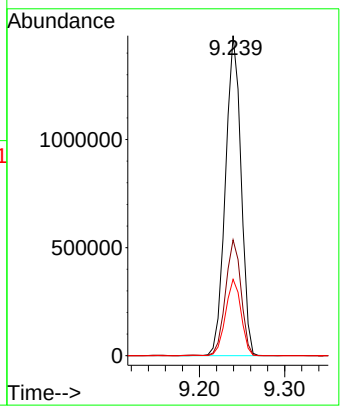




#45
2-Fluorobiphenyl
Concen: 102.150 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:172 Resp: 188795

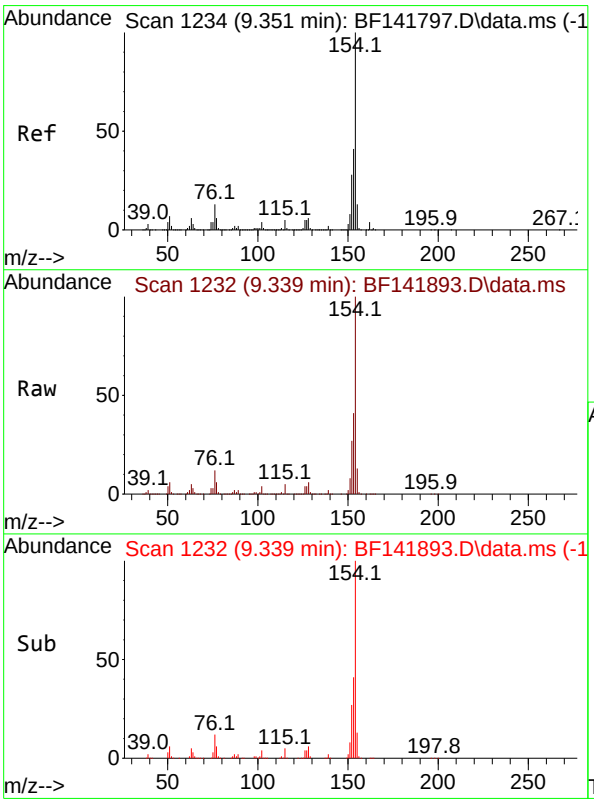
Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.2	43.8
170	23.8	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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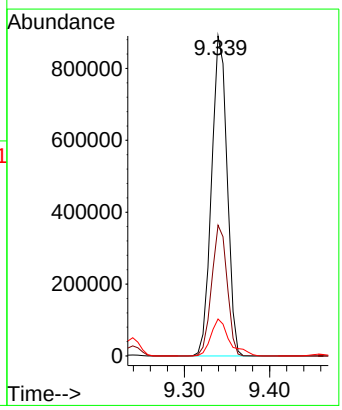
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

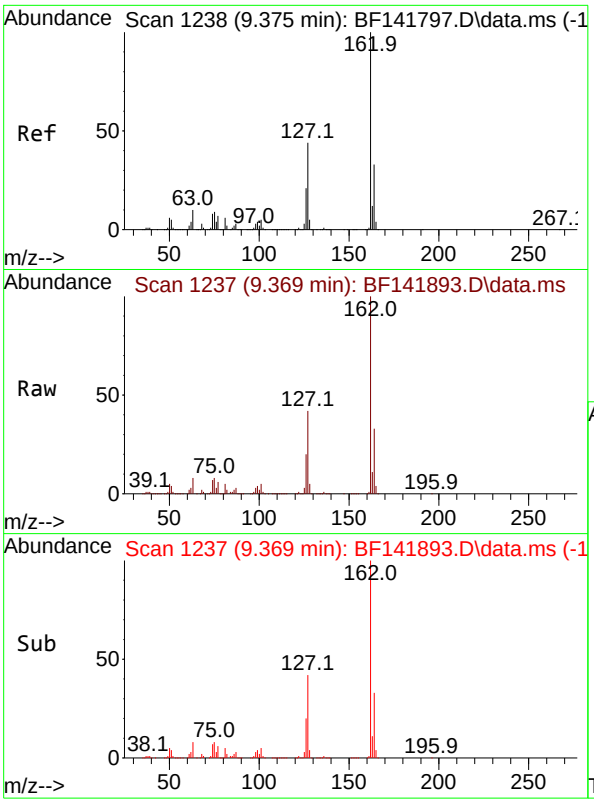


#46
1,1'-Biphenyl
Concen: 49.994 ng
RT: 9.339 min Scan# 1232
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:154 Resp: 1127721

Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.4	61.4
76	11.6	0.0	33.4

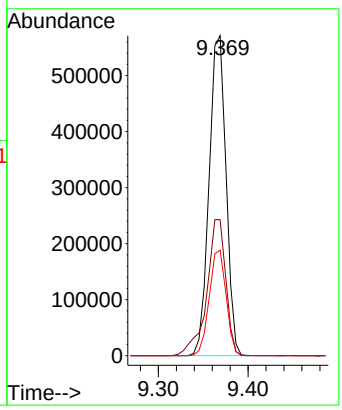




#47
2-Chloronaphthalene
Concen: 45.026 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:162 Resp: 74962

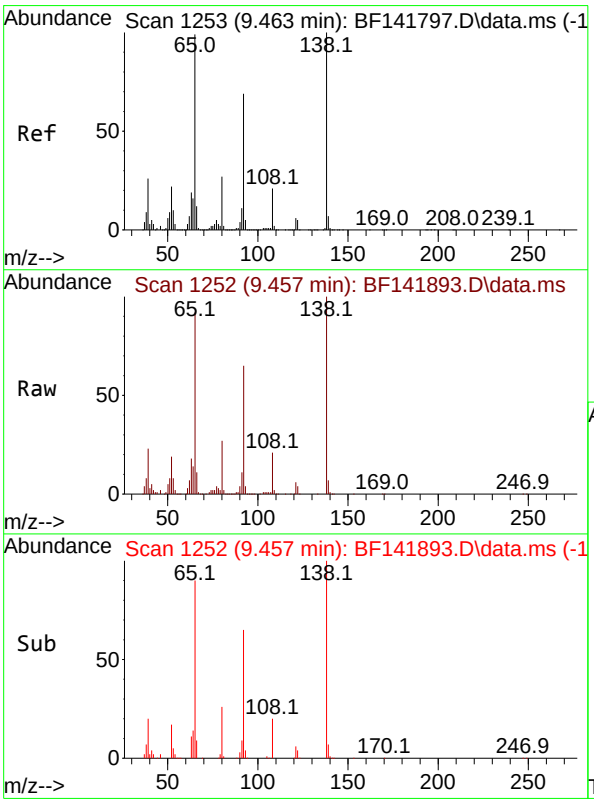
Ion	Ratio	Lower	Upper
162	100		
127	42.5	35.0	52.6
164	33.0	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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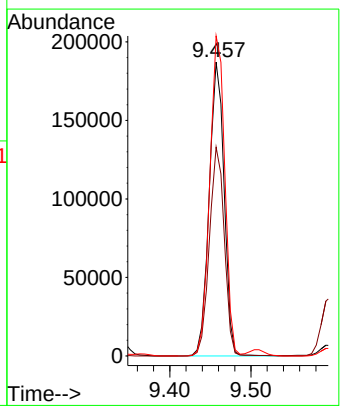
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

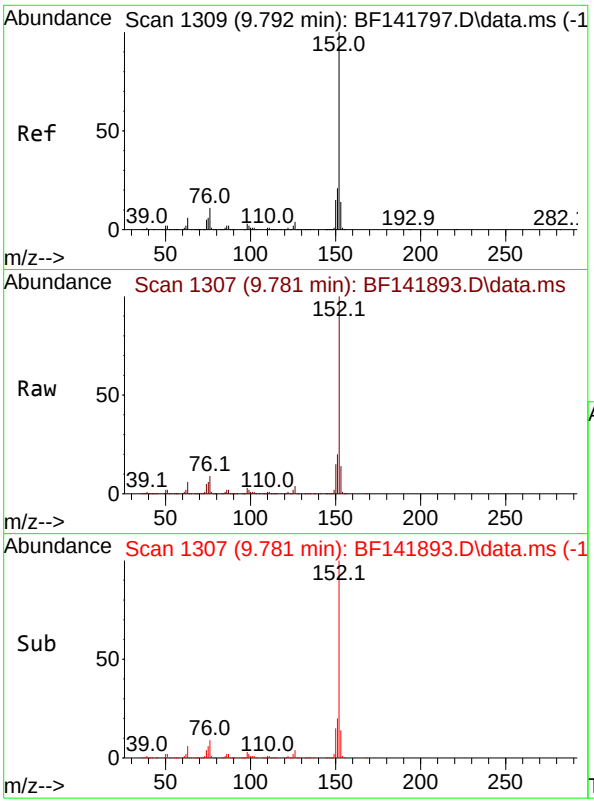


#48
2-Nitroaniline
Concen: 52.027 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion: 65 Resp: 238921

Ion	Ratio	Lower	Upper
65	100		
92	71.0	55.7	83.5
138	108.9	80.6	121.0

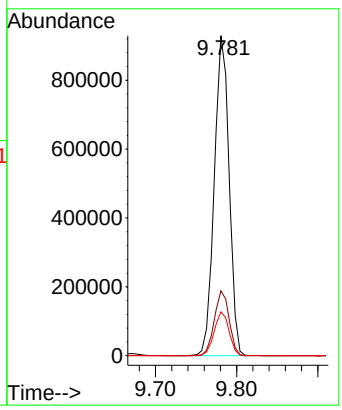




#49
Acenaphthylene
Concen: 47.266 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:152 Resp: 117984

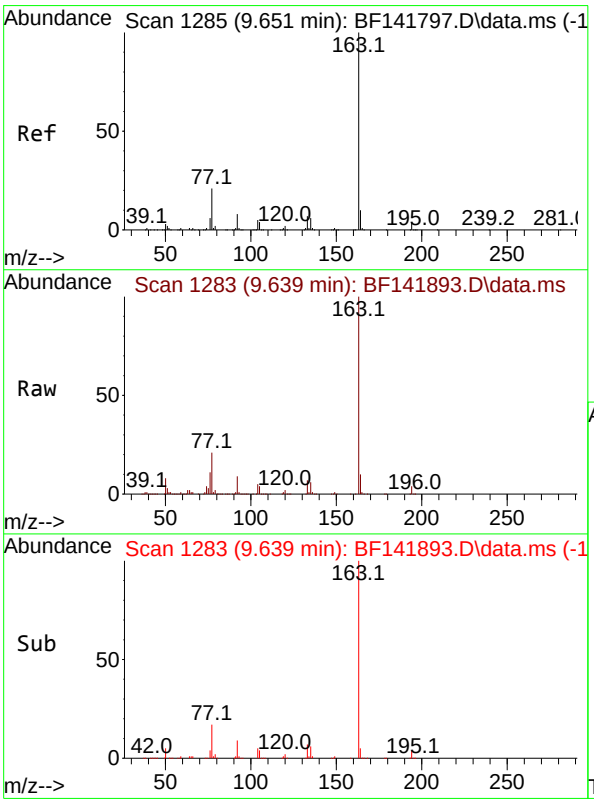
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.6	24.8
153	13.7	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

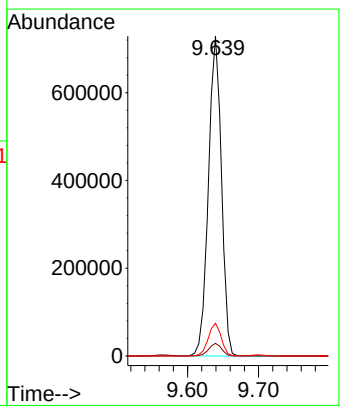
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

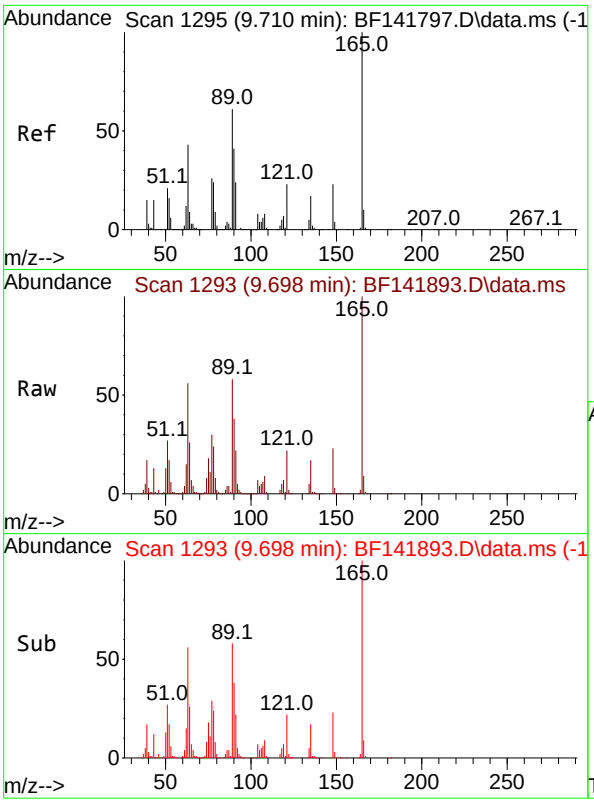


#50
Dimethylphthalate
Concen: 46.861 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:163 Resp: 929996

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.2	8.4	12.6

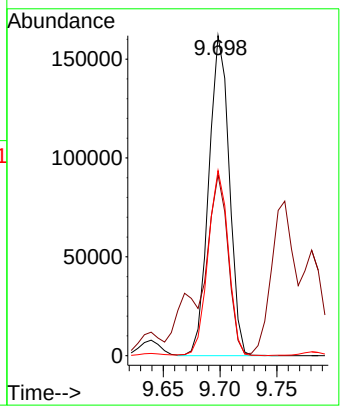




#51
2,6-Dinitrotoluene
Concen: 53.116 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:165 Resp: 20287

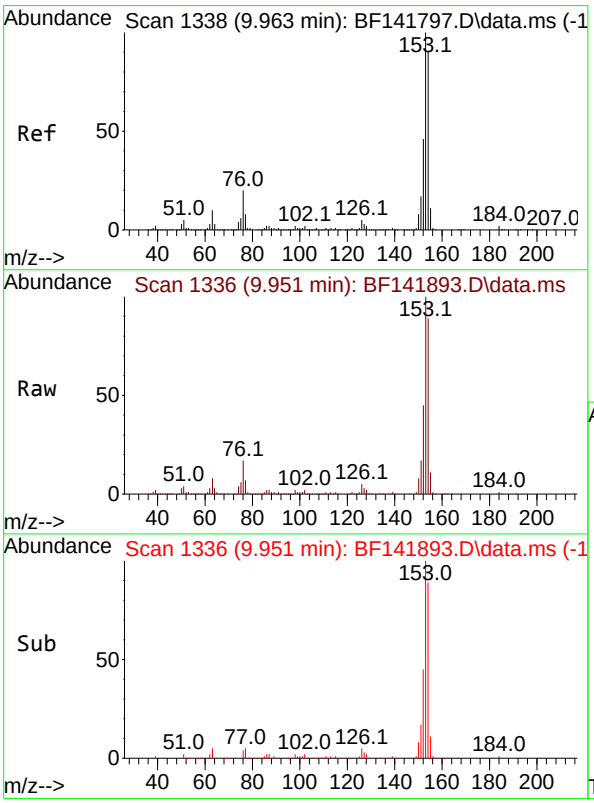
Ion	Ratio	Lower	Upper
165	100		
63	56.5	49.5	74.3
89	57.8	49.0	73.4



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

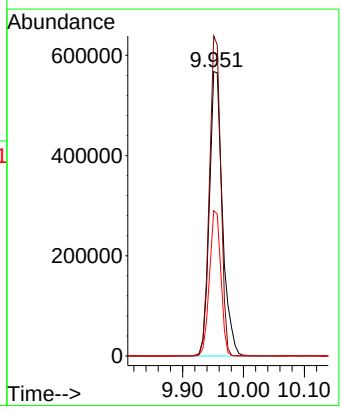
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

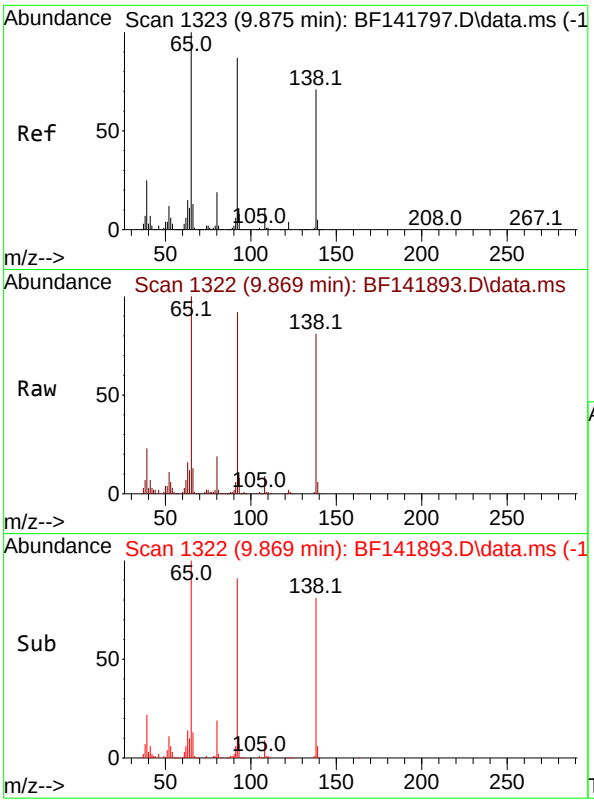


#52
Acenaphthene
Concen: 50.260 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:154 Resp: 846529

Ion	Ratio	Lower	Upper
154	100		
153	112.6	88.7	133.1
152	51.1	40.9	61.3

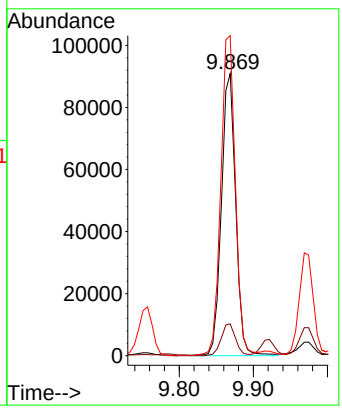




#53
3-Nitroaniline
Concen: 31.242 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:138 Resp: 12188

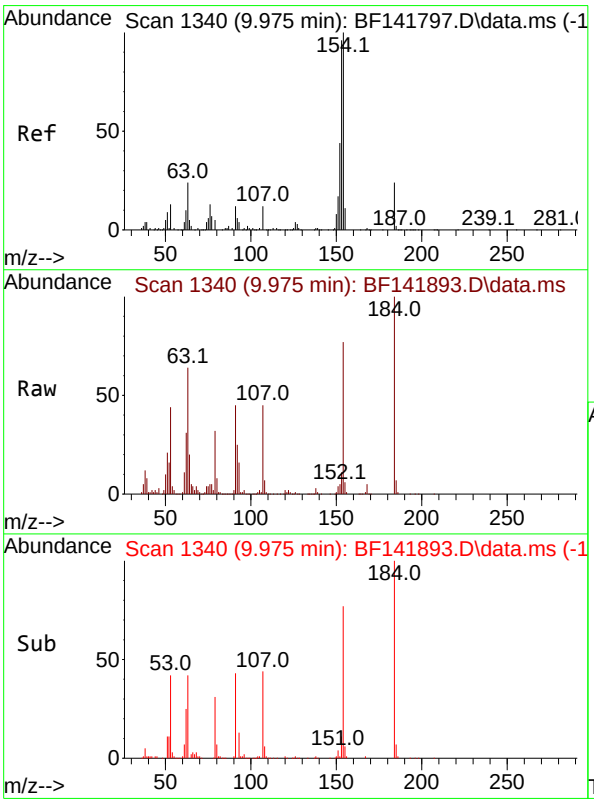
Ion	Ratio	Lower	Upper
138	100		
108	11.3	12.7	19.1#
92	113.5	97.9	146.9



Instrument :
BNA_F
ClientSampleId :
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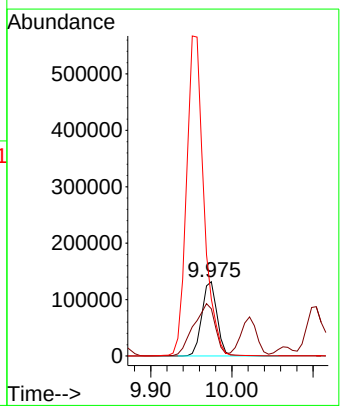
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

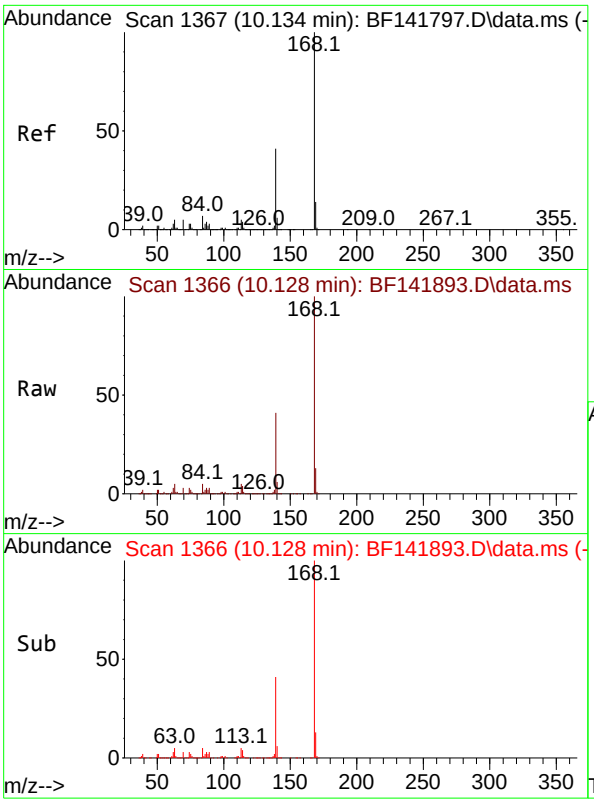


#54
2,4-Dinitrophenol
Concen: 92.918 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:184 Resp: 171206

Ion	Ratio	Lower	Upper
184	100		
63	63.5	79.0	118.6#
154	76.9	335.8	503.8#

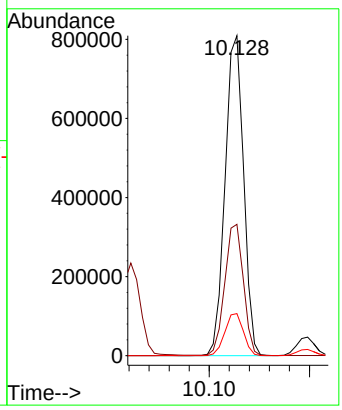




#55
Dibenzofuran
Concen: 42.274 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:168 Resp: 103635

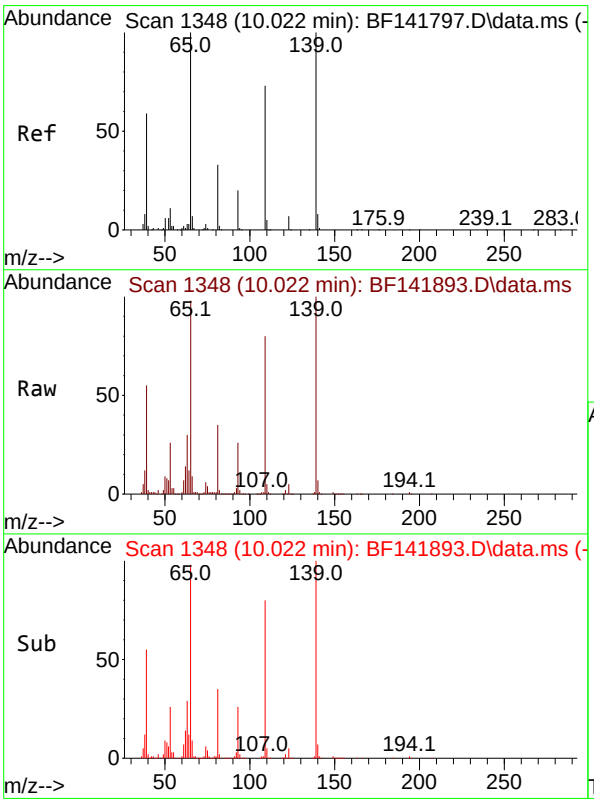
Ion	Ratio	Lower	Upper
168	100		
139	41.0	32.9	49.3
169	13.1	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations
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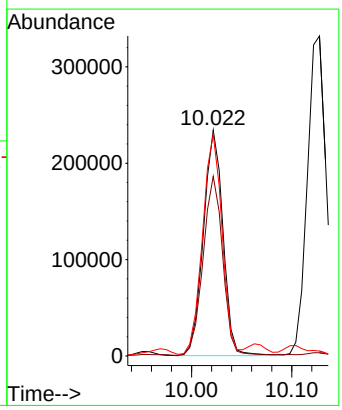
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

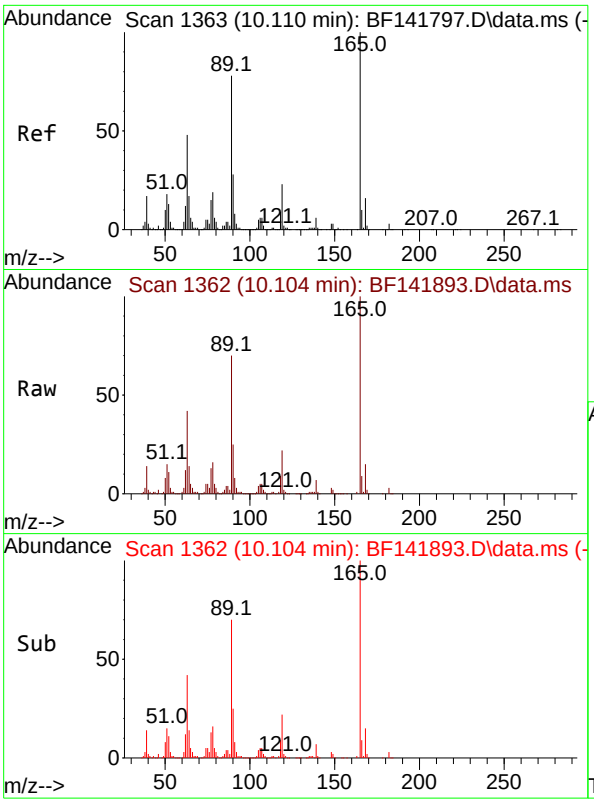


#56
4-Nitrophenol
Concen: 108.658 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:139 Resp: 318494

Ion	Ratio	Lower	Upper
139	100		
109	79.6	53.4	93.4
65	98.2	82.1	122.1

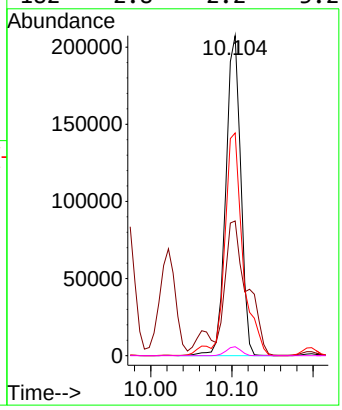




#57
2,4-Dinitrotoluene
Concen: 56.493 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:165 Resp: 26509

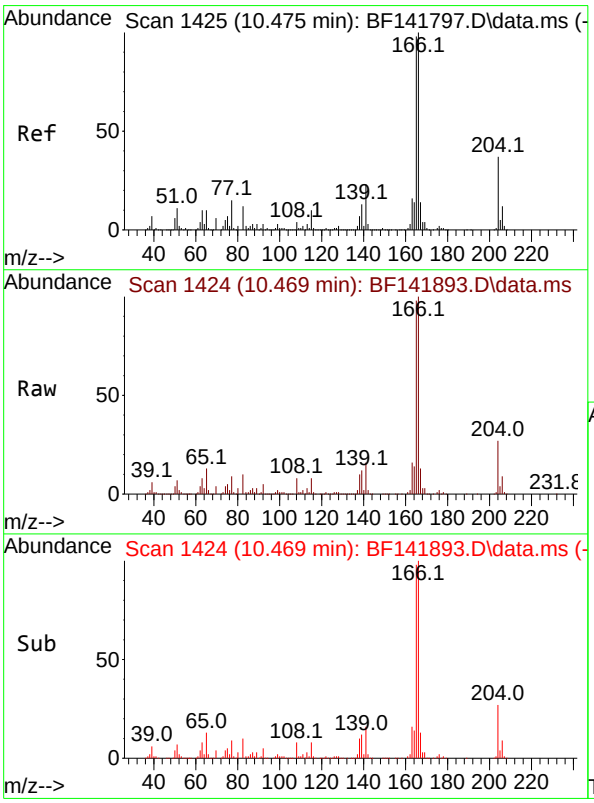
Ion	Ratio	Lower	Upper
165	100		
63	42.1	38.8	58.2
89	69.6	62.6	94.0
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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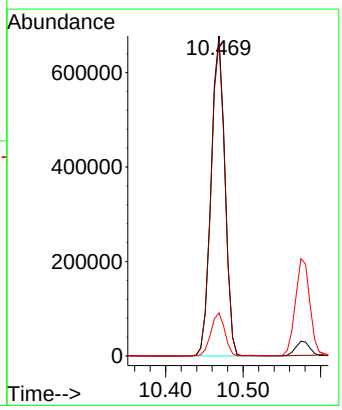
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

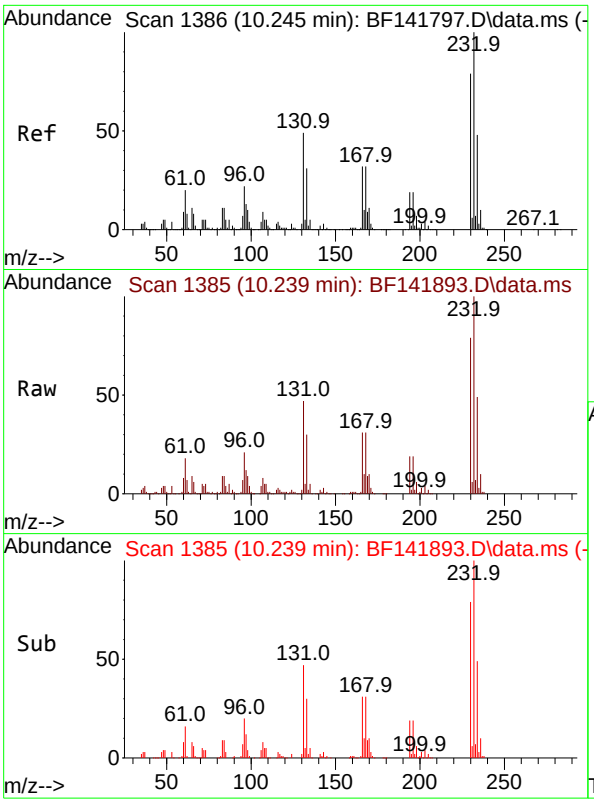


#58
Fluorene
Concen: 45.934 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:166 Resp: 843493

Ion	Ratio	Lower	Upper
166	100		
165	98.1	78.6	117.8
167	13.4	11.0	16.4

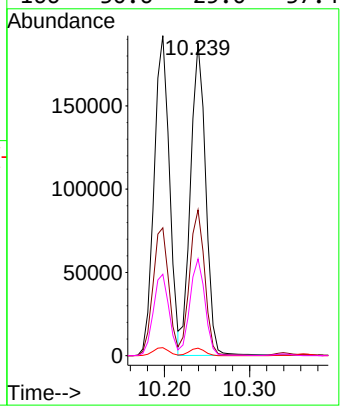




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.633 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:232 Resp: 23156

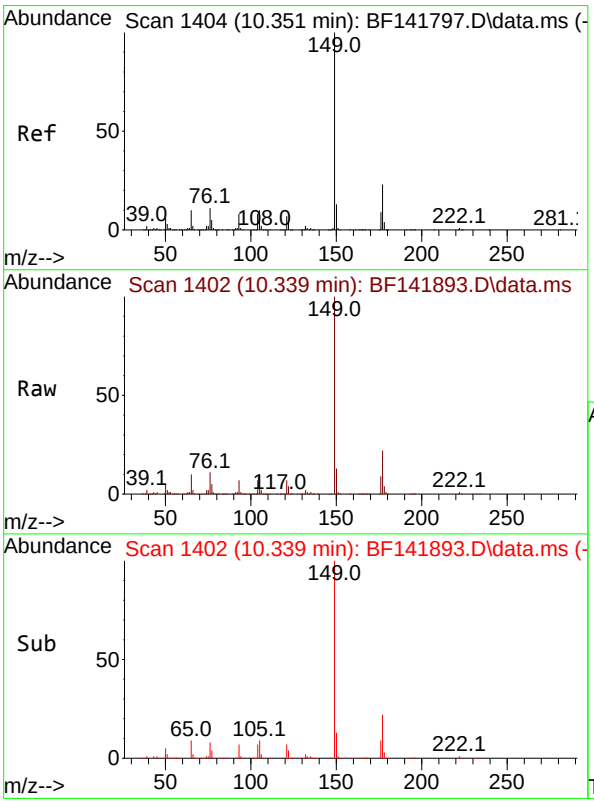
Ion	Ratio	Lower	Upper
232	100		
131	47.0	37.8	56.8
130	2.4	2.0	3.0
166	30.6	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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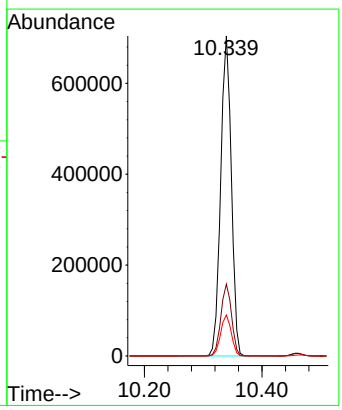
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

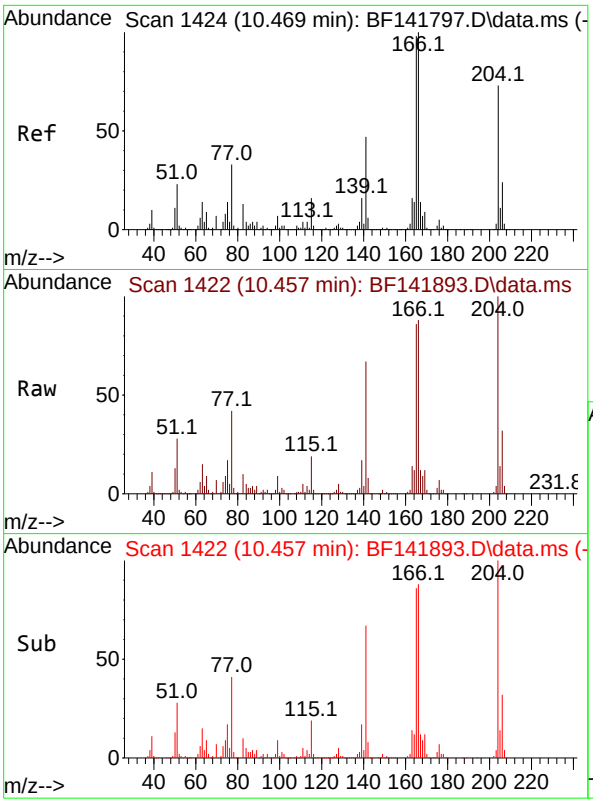


#60
Diethylphthalate
Concen: 44.618 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:149 Resp: 887696

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.3	27.5
150	12.8	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 46.150 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

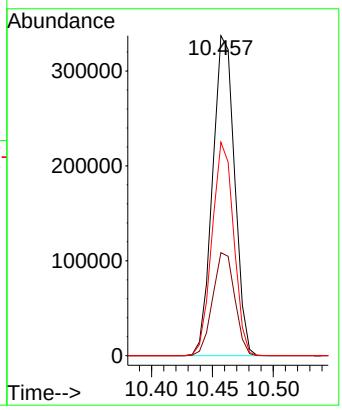
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

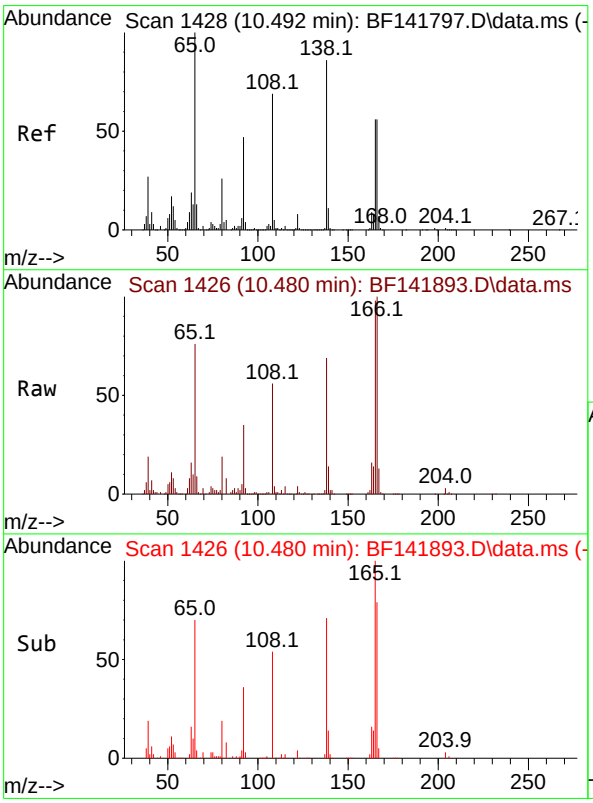
Tgt Ion:204 Resp: 42460

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.2	39.4
141	66.7	51.7	77.5

Manual Integrations
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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

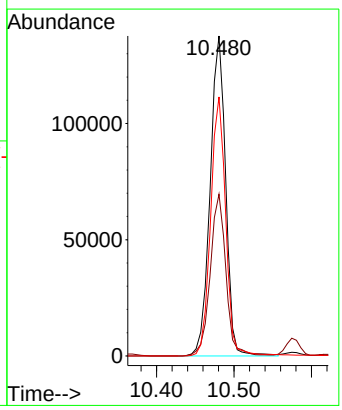


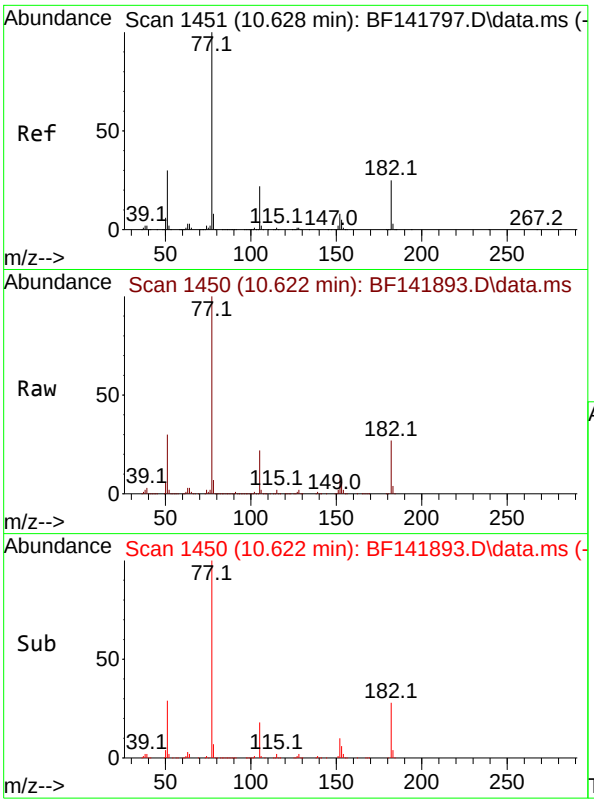


#62
4-Nitroaniline
Concen: 56.583 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:138 Resp: 191771

Ion	Ratio	Lower	Upper
138	100		
92	50.5	34.9	74.9
108	80.9	59.6	99.6

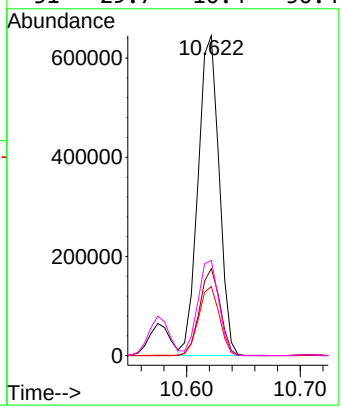




#63
Azobenzene
Concen: 39.573 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion: 77 Resp: 828989

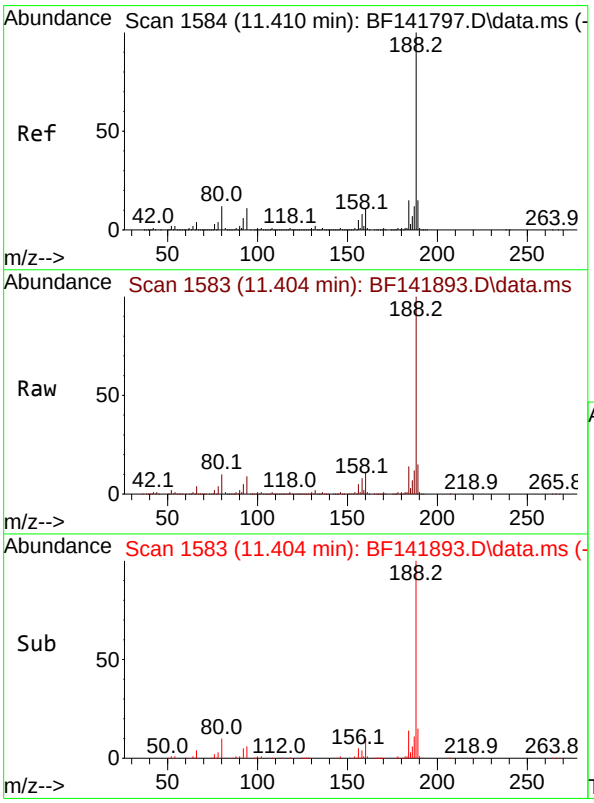
Ion	Ratio	Lower	Upper
77	100		
182	27.2	4.2	44.2
105	21.6	1.5	41.5
51	29.7	10.4	50.4



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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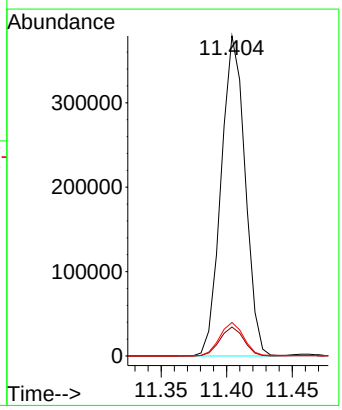
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

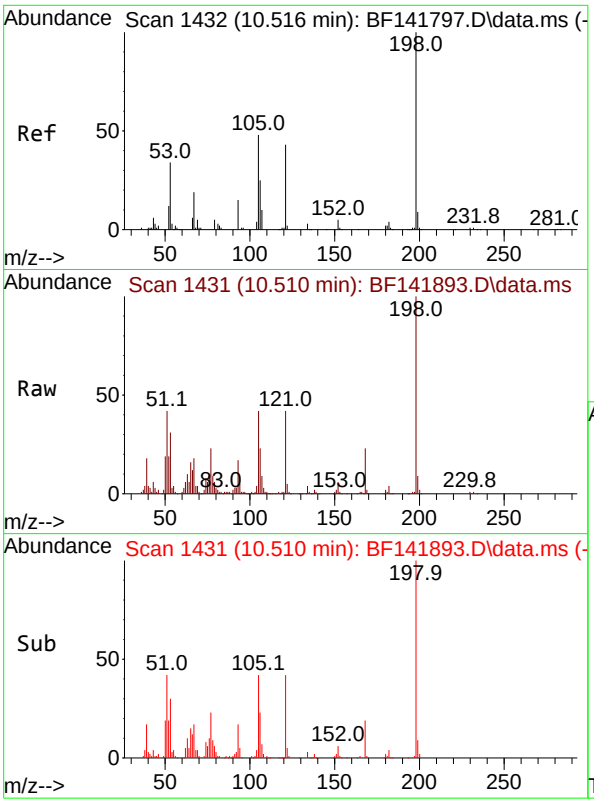


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:188 Resp: 482424

Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.9	13.3
80	10.4	9.7	14.5

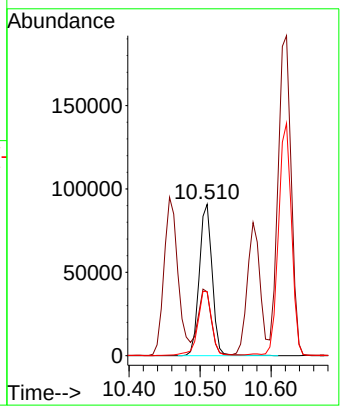




#65
4,6-Dinitro-2-methylphenol
Concen: 50.036 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:198 Resp: 11461

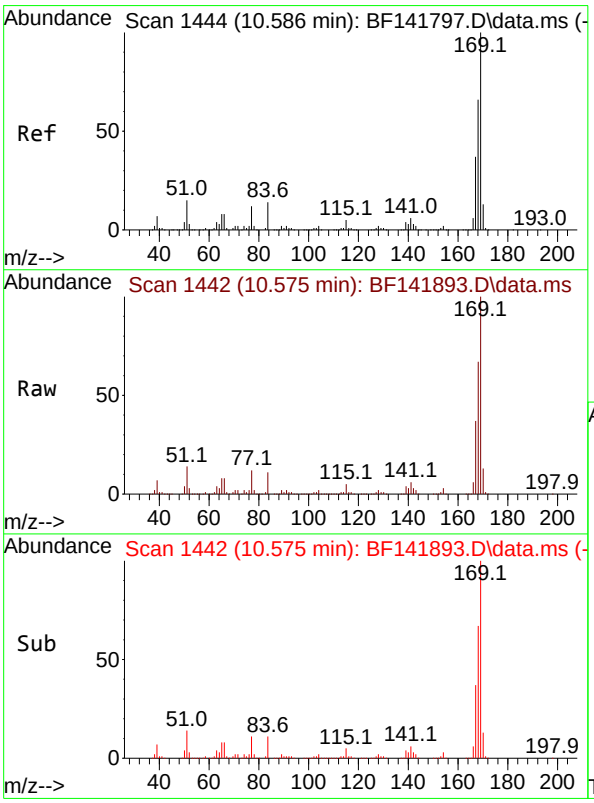
Ion	Ratio	Lower	Upper
198	100		
51	42.1	32.1	72.1
105	42.3	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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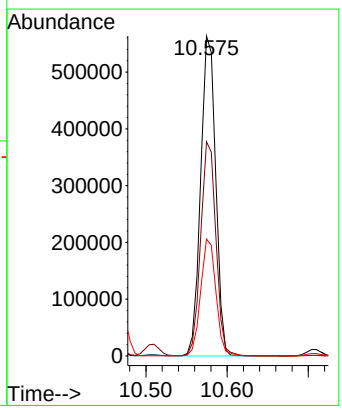
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

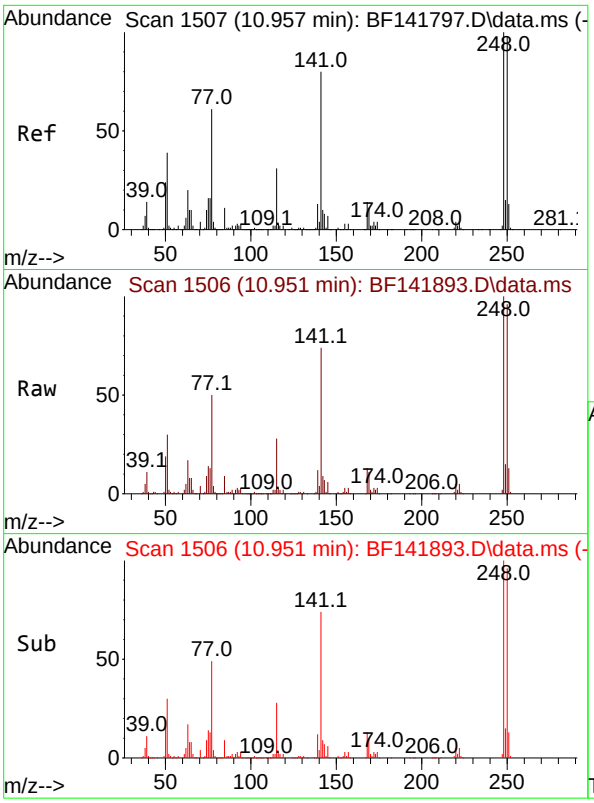


#66
n-Nitrosodiphenylamine
Concen: 45.645 ng
RT: 10.575 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:169 Resp: 723072

Ion	Ratio	Lower	Upper
169	100		
168	67.0	53.0	79.6
167	36.5	29.3	43.9





#67
4-Bromophenyl-phenylether
Concen: 47.208 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

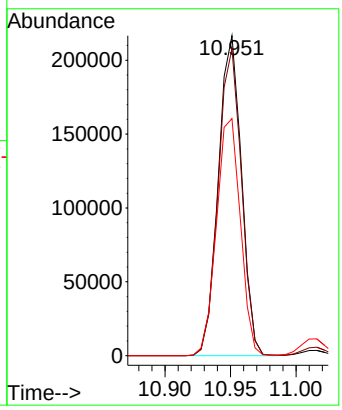
Tgt Ion:248 Resp: 26601

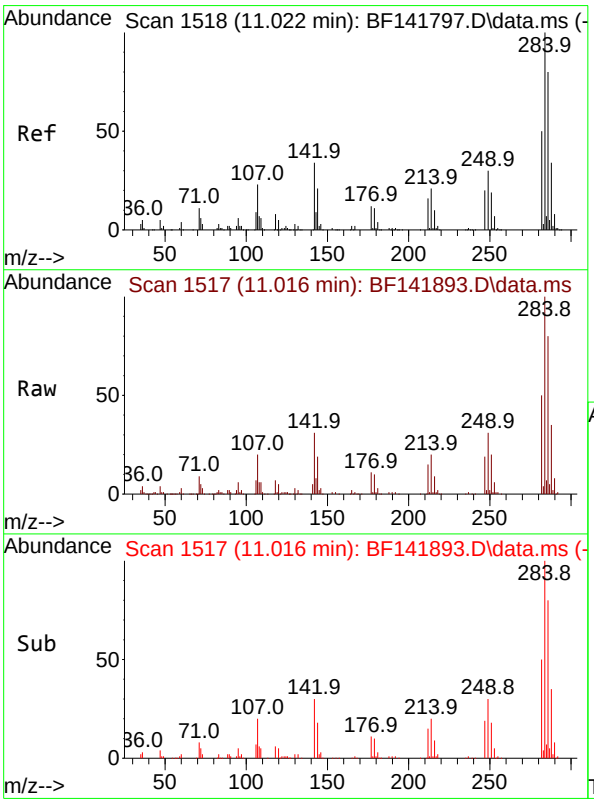
Ion	Ratio	Lower	Upper
248	100		
250	96.0	78.1	117.1
141	74.1	64.3	96.5

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

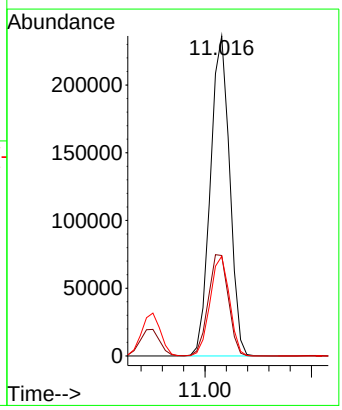


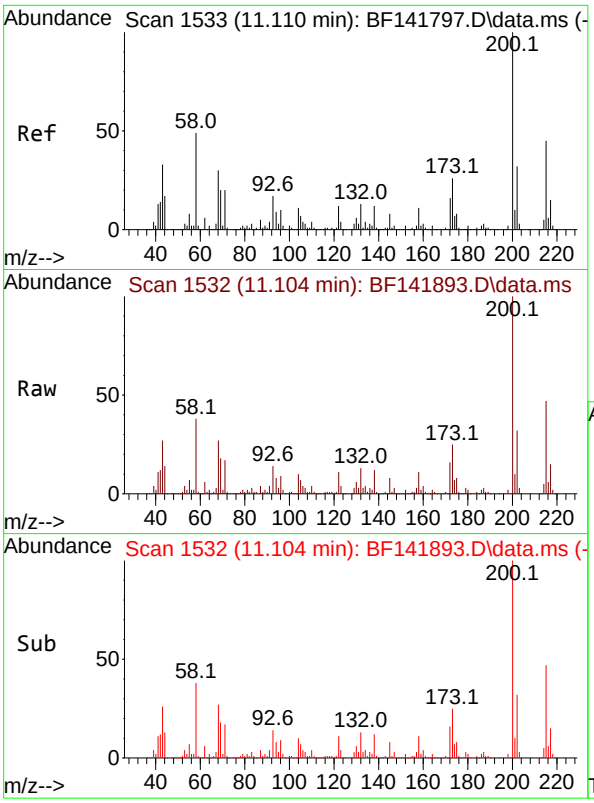


#68
Hexachlorobenzene
Concen: 49.684 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:284 Resp: 295638

Ion	Ratio	Lower	Upper
284	100		
142	31.4	28.2	42.2
249	31.2	25.5	38.3

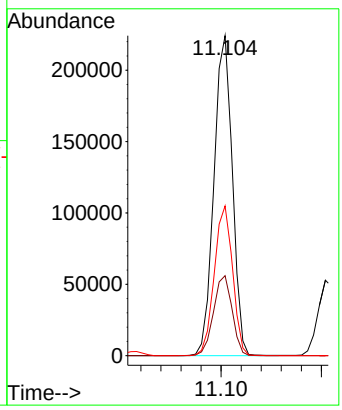




#69
Atrazine
Concen: 65.549 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:200 Resp: 28554

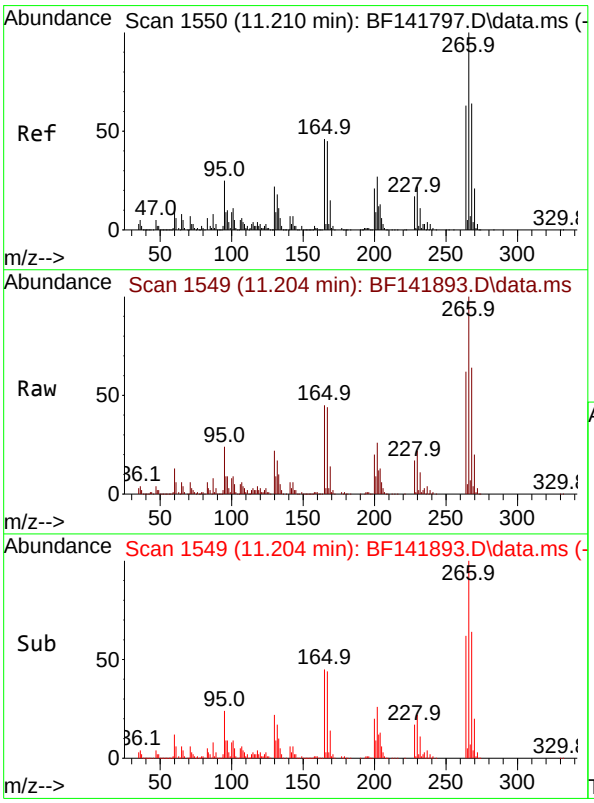
Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.6	45.6
215	46.8	25.3	65.3



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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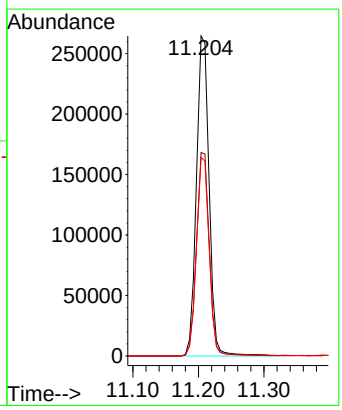
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

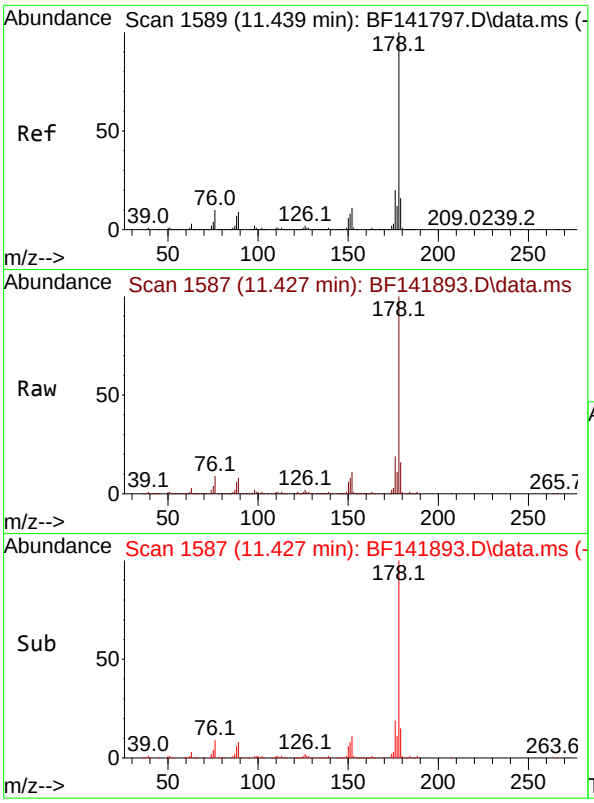


#70
Pentachlorophenol
Concen: 94.677 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:266 Resp: 357301

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.9	76.3
264	62.0	50.2	75.4

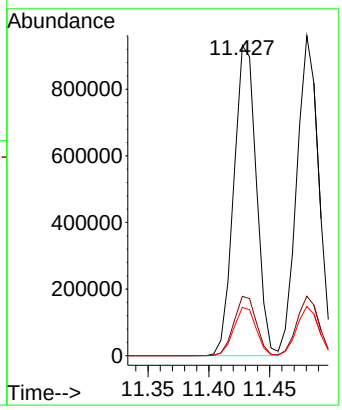




#71
Phenanthrene
Concen: 46.485 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:178 Resp: 119954

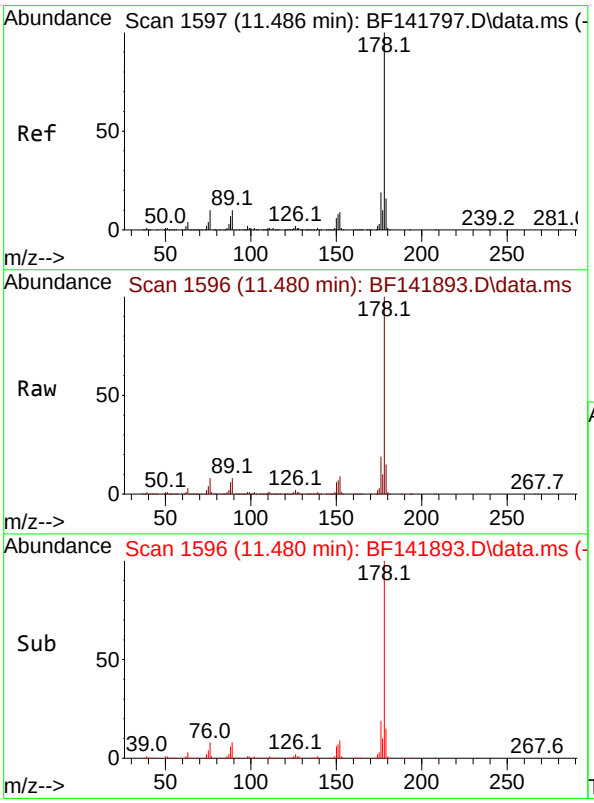
Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.0	24.0
179	15.6	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

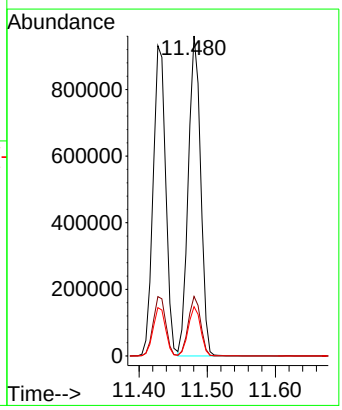
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

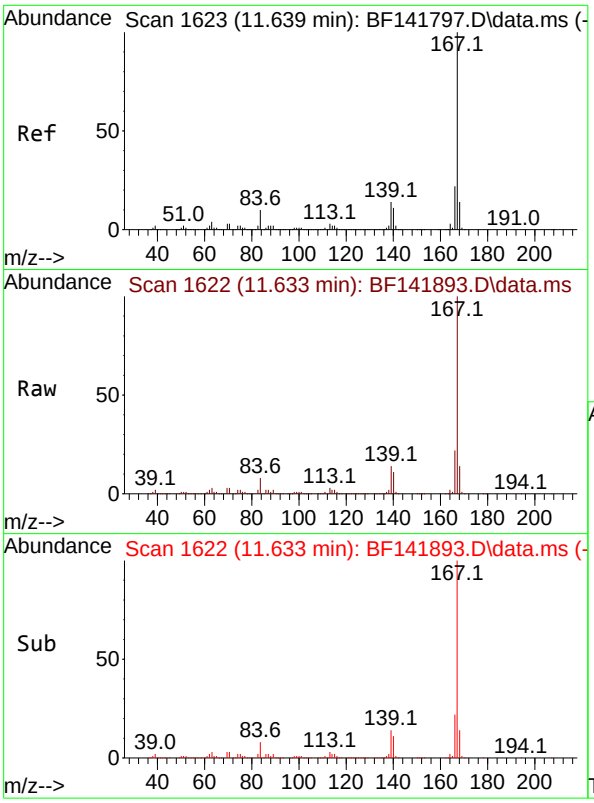


#72
Anthracene
Concen: 46.426 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:178 Resp: 1200670

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.4	12.8	19.2

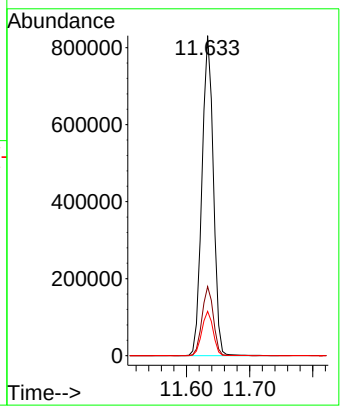




#73
Carbazole
Concen: 45.564 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:167 Resp: 104060

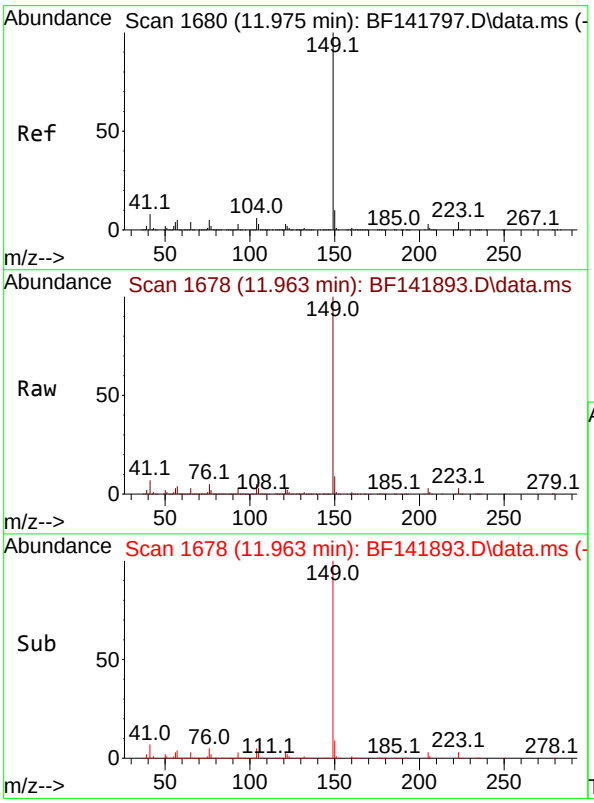
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	13.9	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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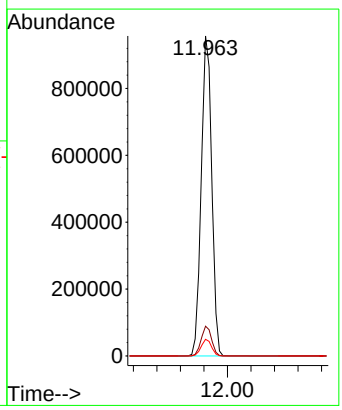
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

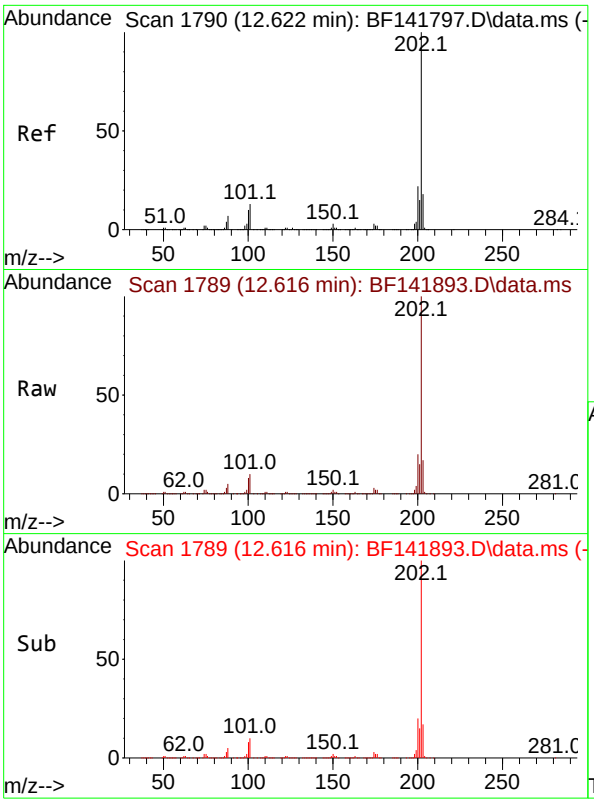


#74
Di-n-butylphthalate
Concen: 41.042 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:149 Resp: 1188156

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.7	11.5
104	5.2	4.4	6.6

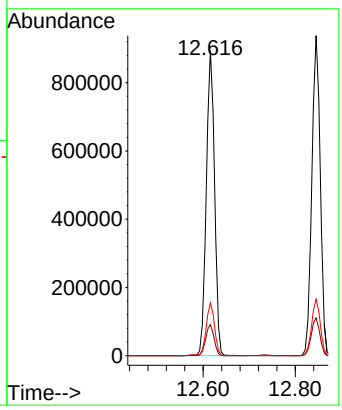




#75
Fluoranthene
Concen: 42.563 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:202 Resp: 112542

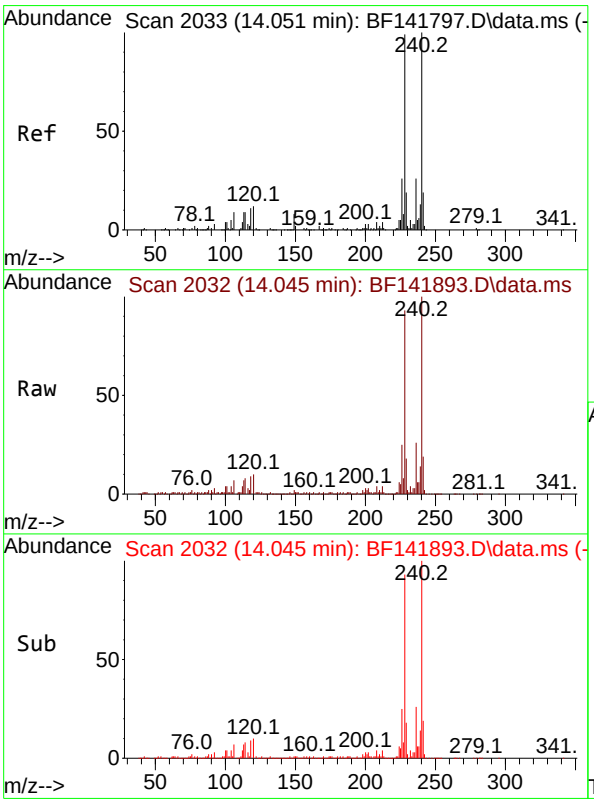
Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	32.8
203	17.3	0.0	38.0



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

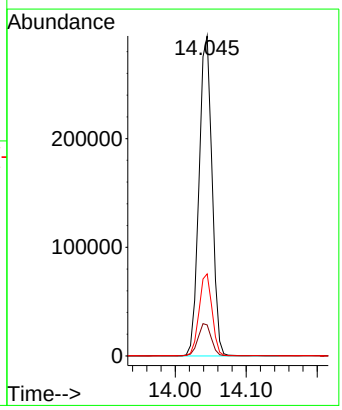
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

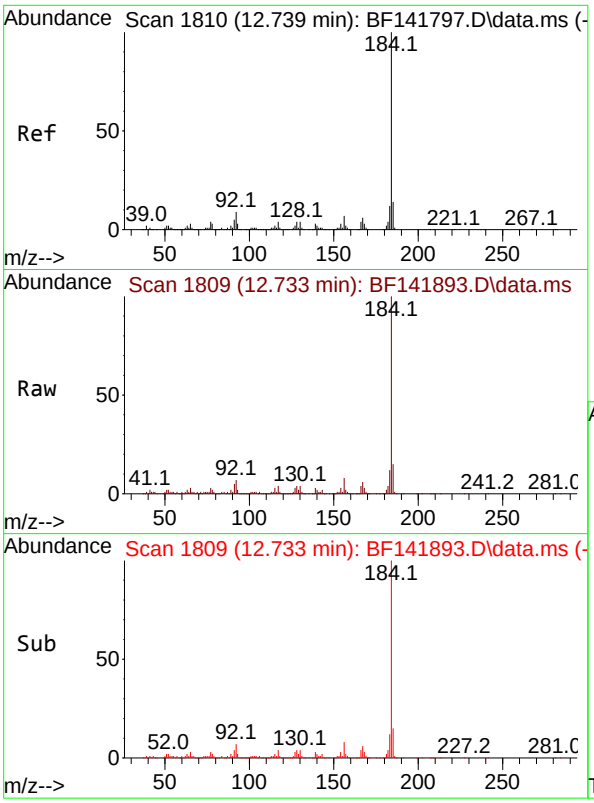


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:240 Resp: 376304

Ion	Ratio	Lower	Upper
240	100		
120	9.7	9.7	14.5
236	25.7	21.0	31.4

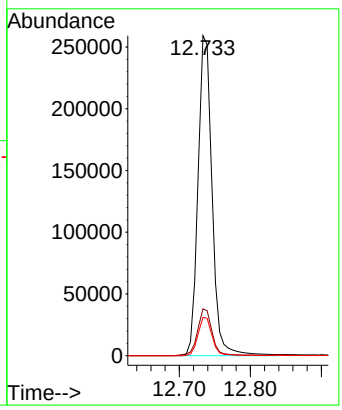




#77
Benzidine
Concen: 75.758 ng
RT: 12.733 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:184 Resp: 35881

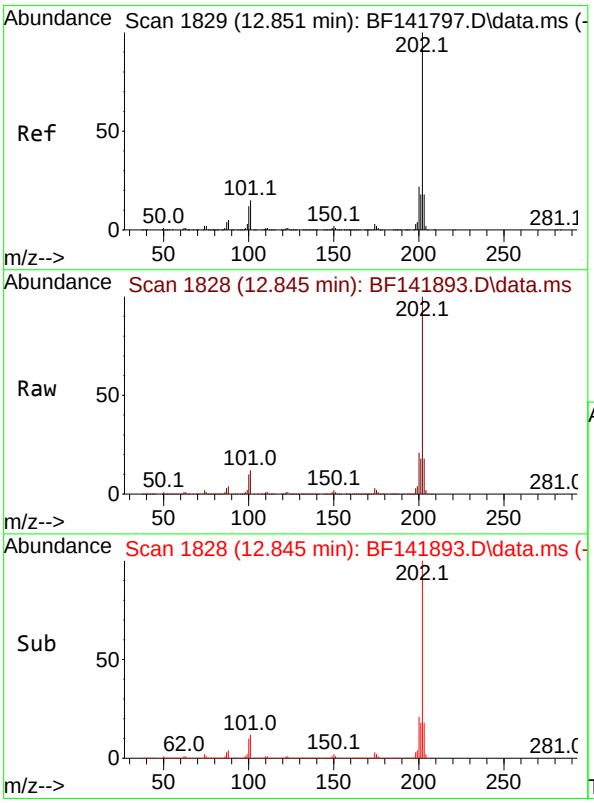
Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.6	17.4
183	12.0	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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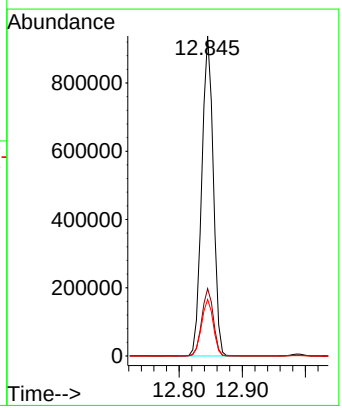
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

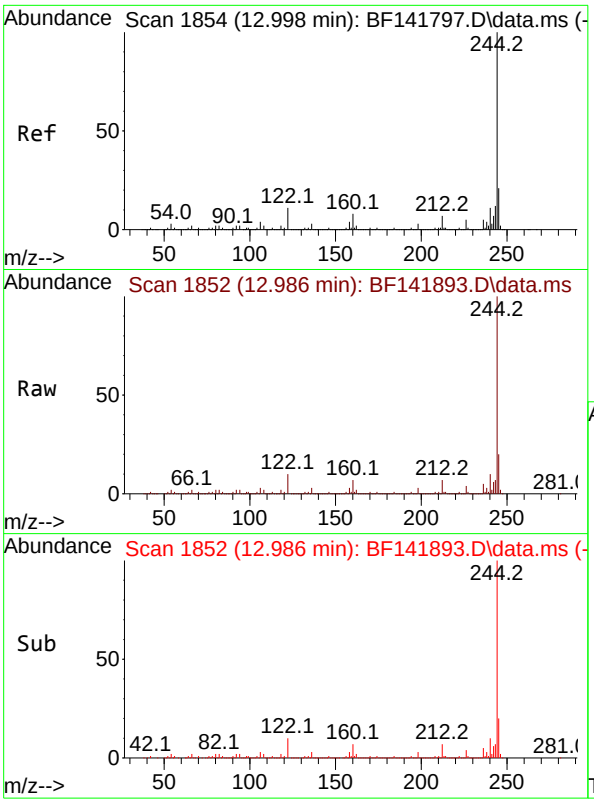


#78
Pyrene
Concen: 36.467 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:202 Resp: 1188284

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.0
203	17.7	14.6	22.0

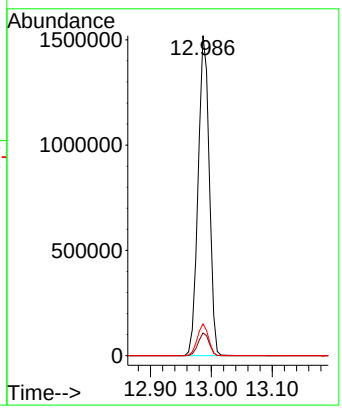




#79
Terphenyl-d14
Concen: 83.100 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:244 Resp: 193279

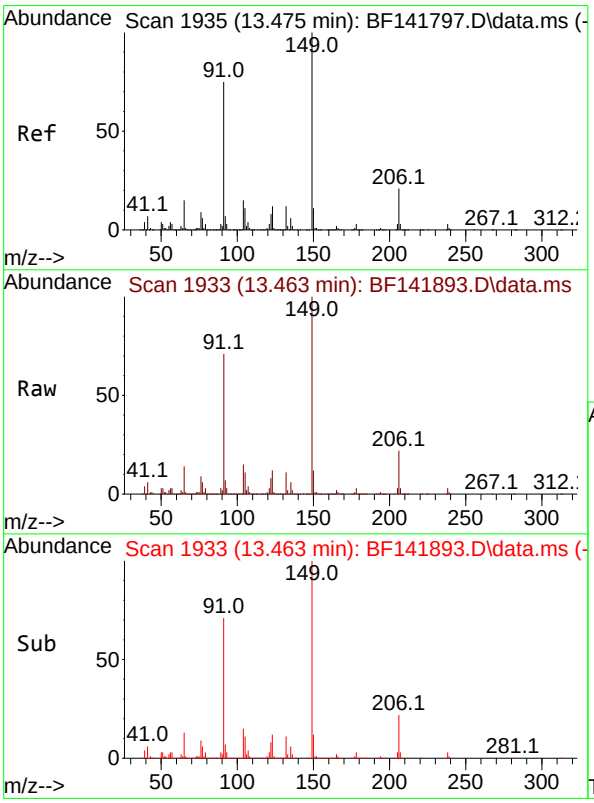
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	9.9	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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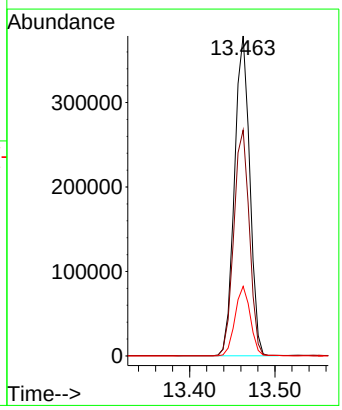
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

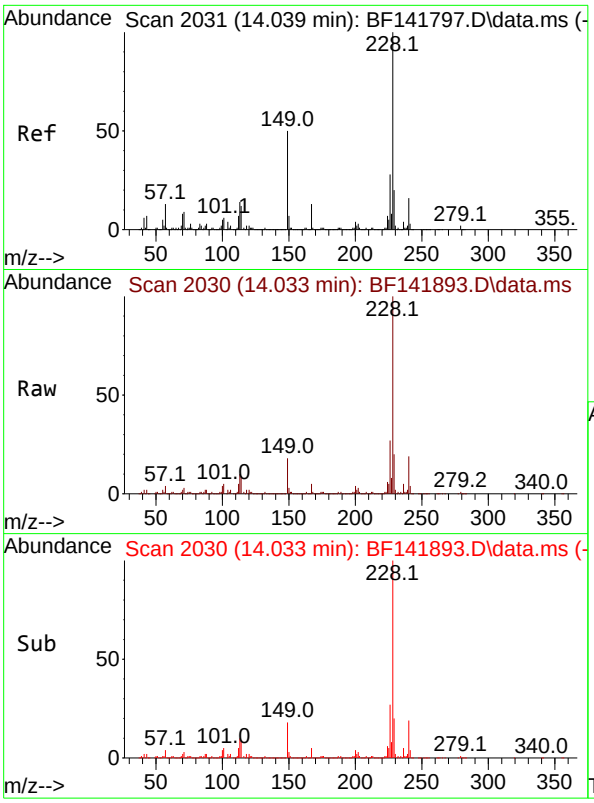


#80
Butylbenzylphthalate
Concen: 39.865 ng
RT: 13.463 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:149 Resp: 471966

Ion	Ratio	Lower	Upper
149	100		
91	70.6	60.1	90.1
206	21.8	16.8	25.2

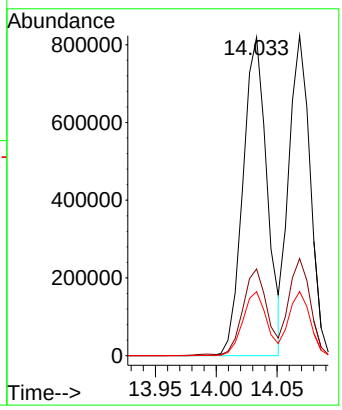




#81
Benzo(a)anthracene
Concen: 45.505 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:228 Resp: 113104

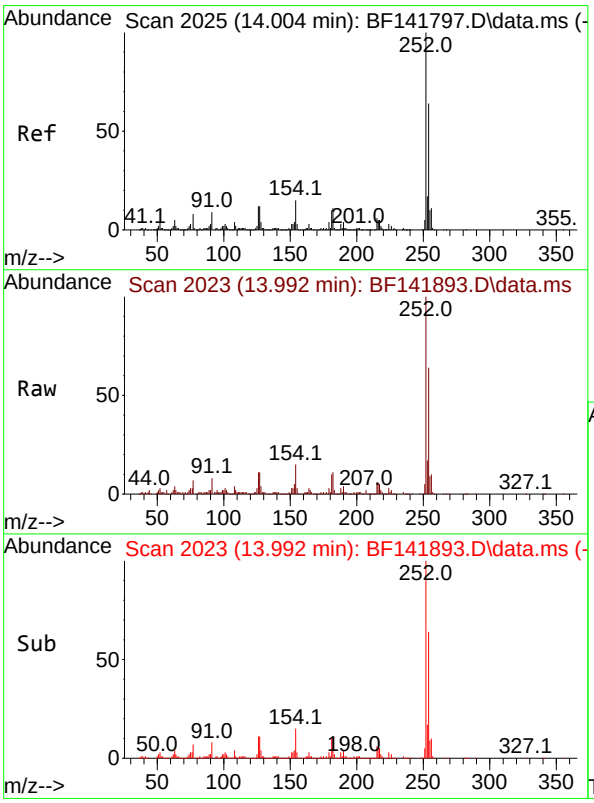
Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.1	33.1
229	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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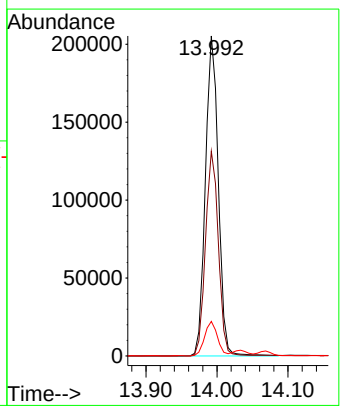
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

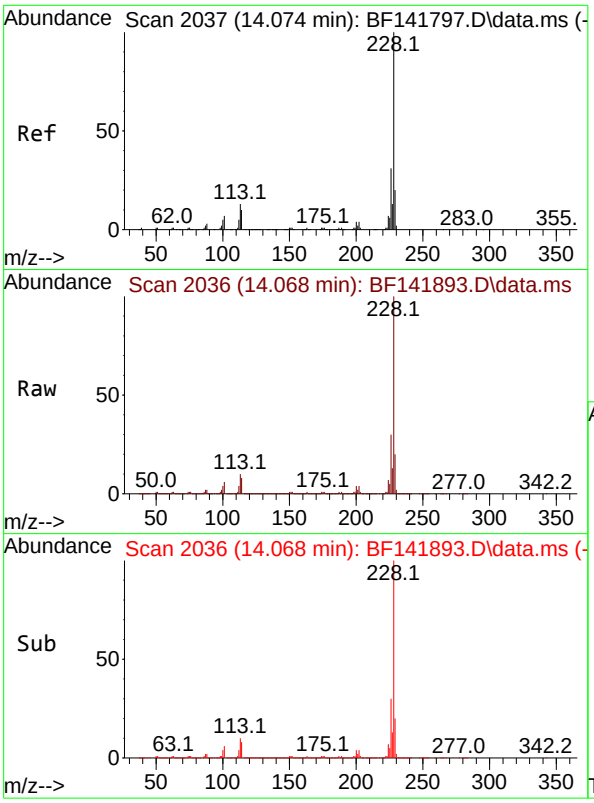


#82
3,3'-Dichlorobenzidine
Concen: 36.506 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:252 Resp: 260330

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.4	77.0
126	10.8	9.8	14.6

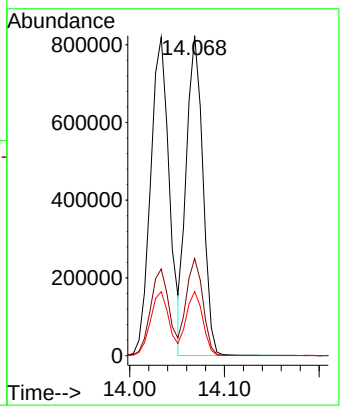




#83
Chrysene
Concen: 43.591 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:228 Resp: 99876

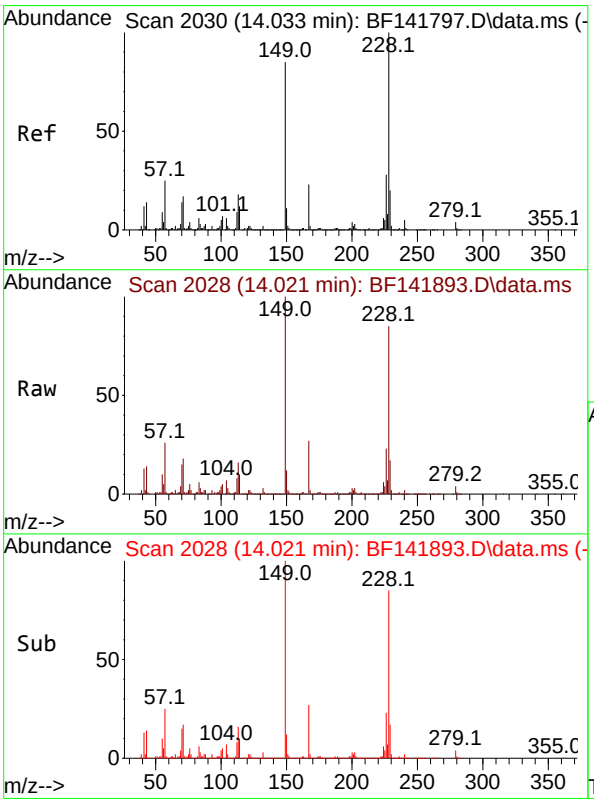
Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.6	37.0
229	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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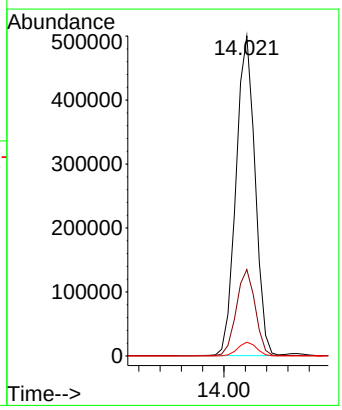
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

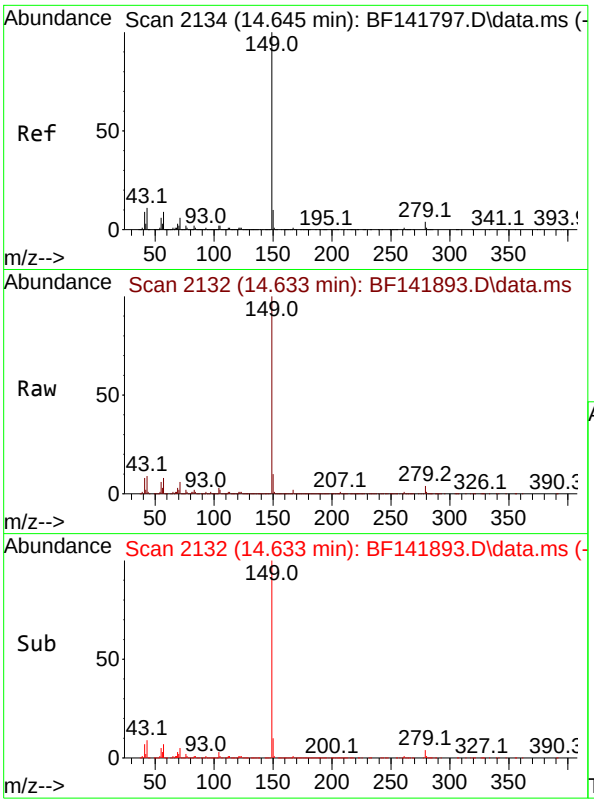


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.170 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:149 Resp: 621644

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.2	31.8
279	4.3	3.3	4.9





#85
Di-n-octyl phthalate
Concen: 49.914 ng
RT: 14.633 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

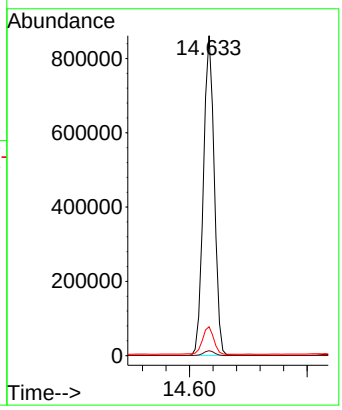
Tgt Ion:149 Resp: 110158

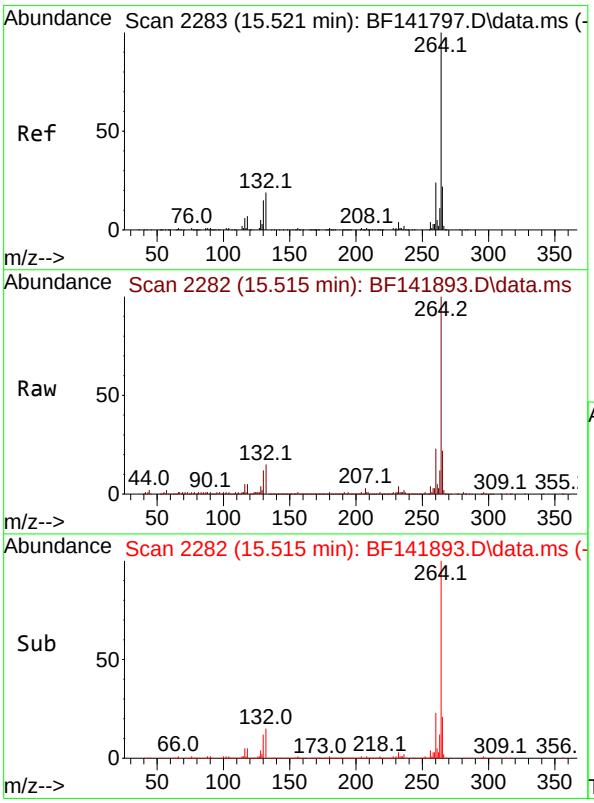
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.9	8.6	12.8

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

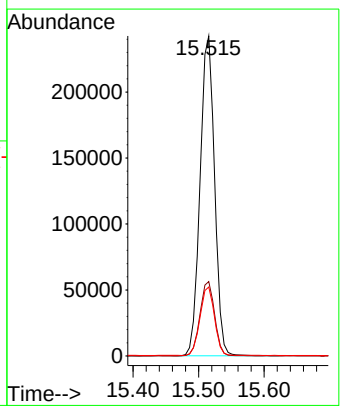


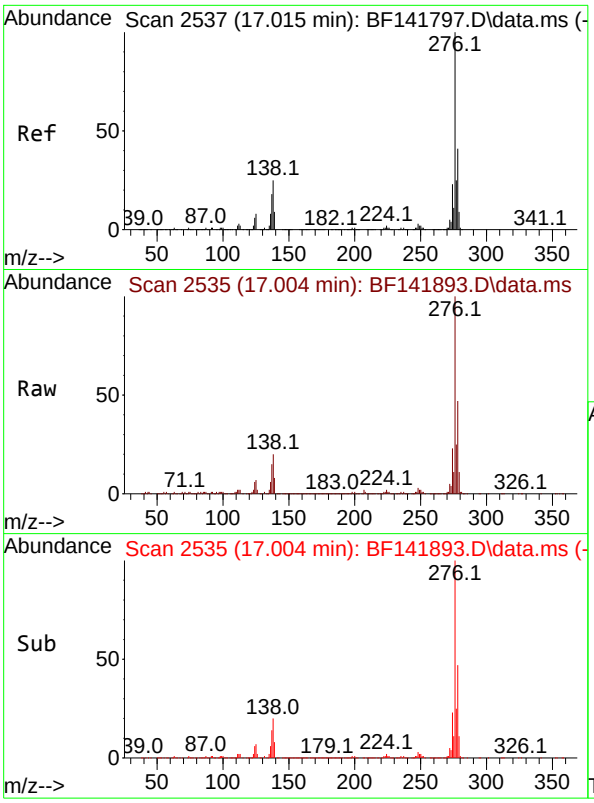


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:264 Resp: 373298

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	21.6	17.4	26.0

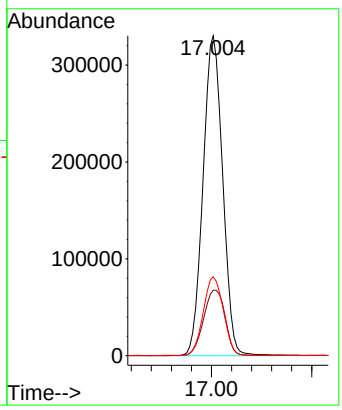




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.748 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:276 Resp: 89728

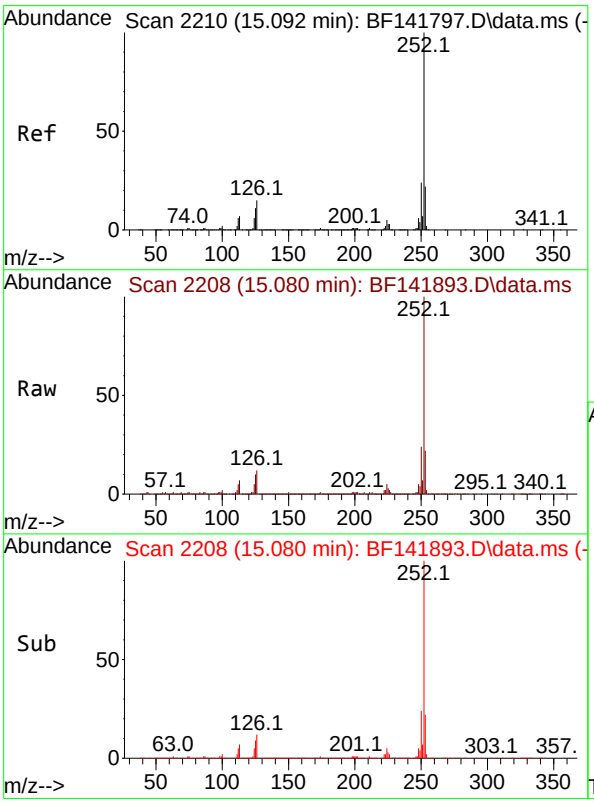
Ion	Ratio	Lower	Upper
276	100		
138	22.4	22.5	33.7
277	25.4	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
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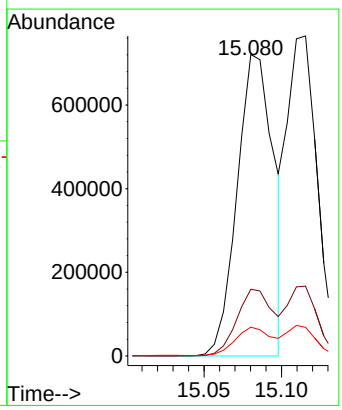
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

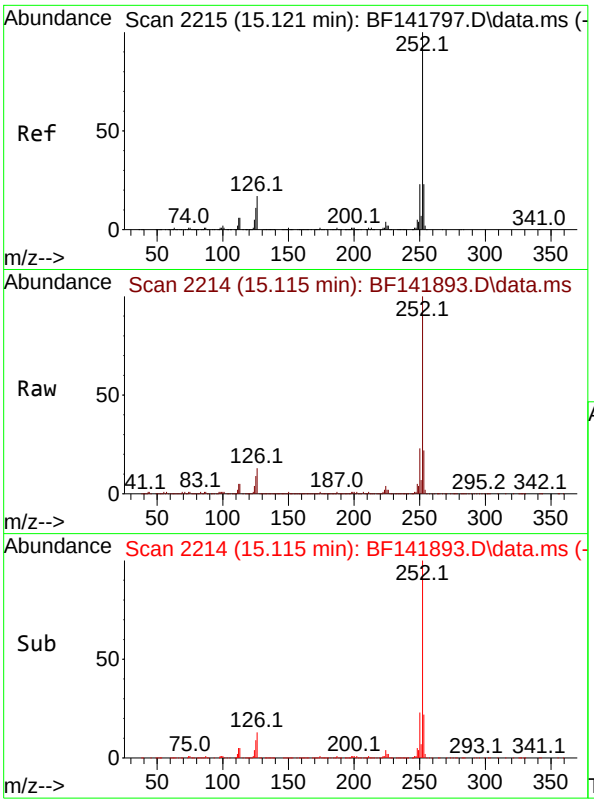


#88
Benzo(b)fluoranthene
Concen: 46.336 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:252 Resp: 1178241

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.6	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 47.439 ng
RT: 15.115 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

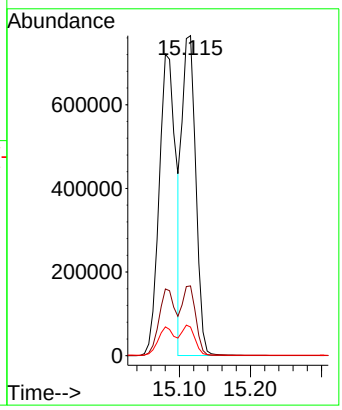
Tgt Ion:252 Resp: 102529

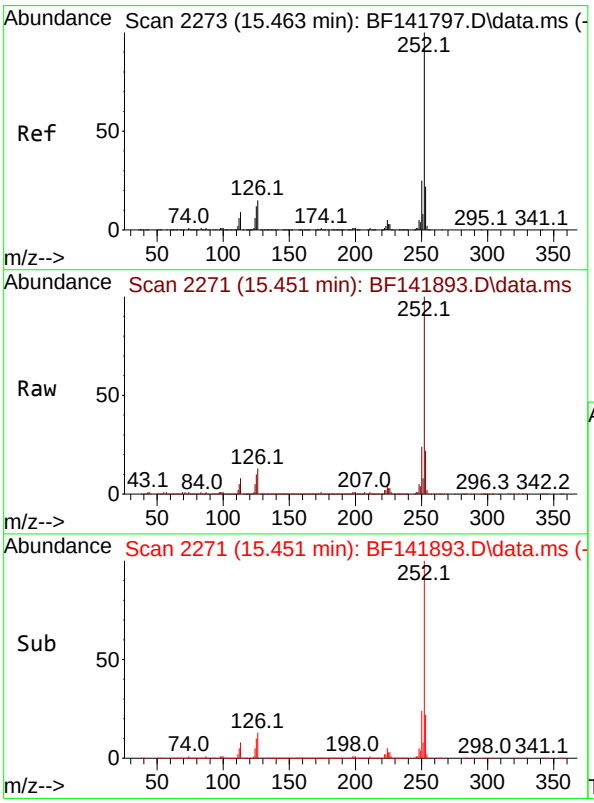
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	8.9	8.8	13.2

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

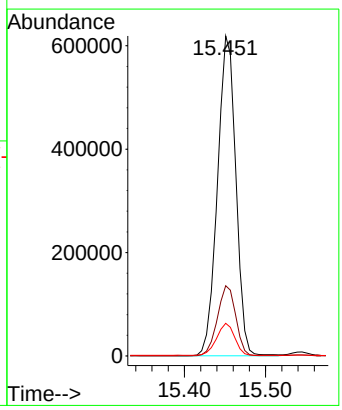


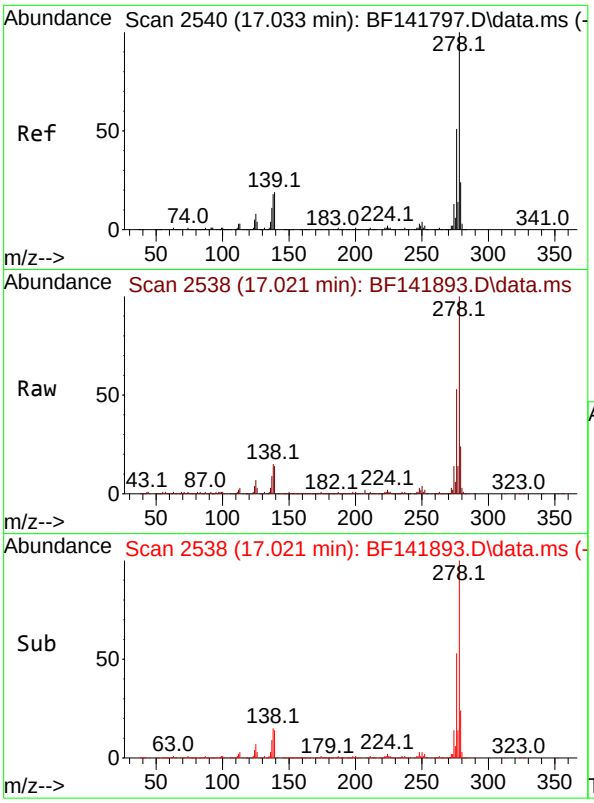


#90
Benzo(a)pyrene
Concen: 47.812 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:252 Resp: 975022

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.2	9.4	14.2

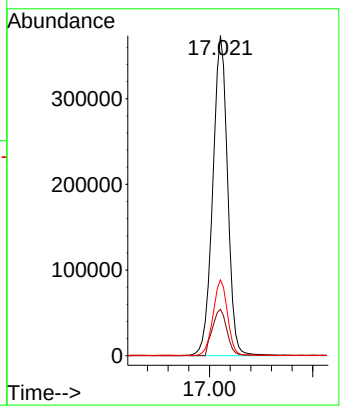




#91
Dibenzo(a,h)anthracene
Concen: 38.380 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:278 Resp: 74467

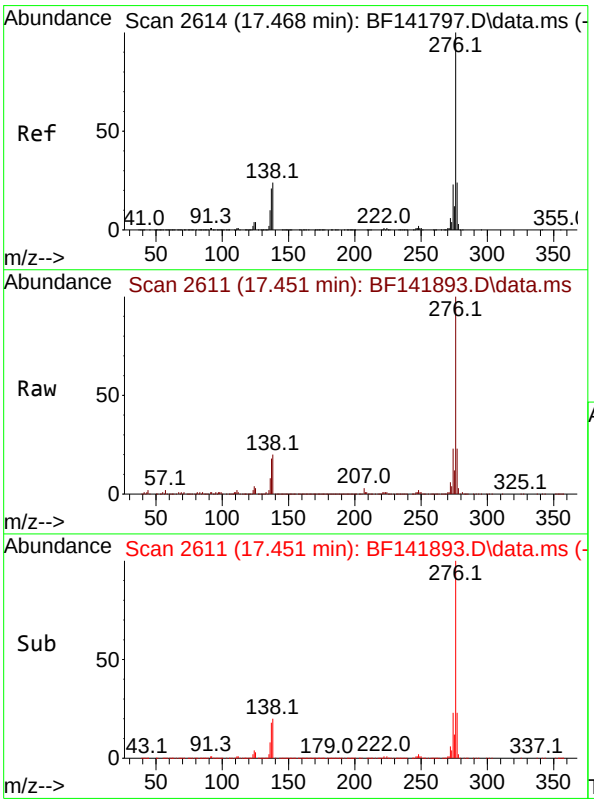
Ion	Ratio	Lower	Upper
278	100		
139	14.5	14.9	22.3#
279	23.7	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MS

Manual Integrations
APPROVED

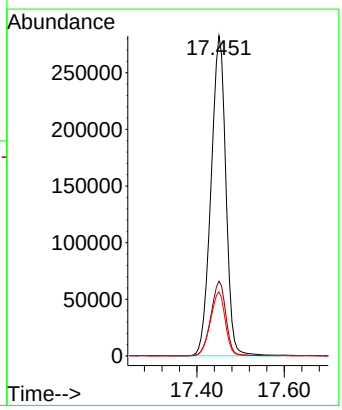
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#92
Benzo(g,h,i)perylene
Concen: 33.457 ng
RT: 17.451 min Scan# 2611
Delta R.T. -0.018 min
Lab File: BF141893.D
Acq: 07 Mar 2025 18:30

Tgt Ion:276 Resp: 665037

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.0
138	20.0	19.3	28.9



Raw Data: **BF141894.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MSD	SDG No.:	Q1488
Lab Sample ID:	Q1488-02MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141894.D	1	03/07/25 12:45	03/07/25 18:59	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	310		15.5	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	380		8.40	50.0	ug/L
95-48-7	2-Methylphenol	390		11.3	50.0	ug/L
65794-96-9	3+4-Methylphenols	400		11.5	100	ug/L
67-72-1	Hexachloroethane	370		10.1	50.0	ug/L
98-95-3	Nitrobenzene	450		12.7	50.0	ug/L
87-68-3	Hexachlorobutadiene	420		12.7	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	470		8.90	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	500		10.1	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	560		15.2	50.0	ug/L
118-74-1	Hexachlorobenzene	500		11.4	50.0	ug/L
87-86-5	Pentachlorophenol	990	E	18.5	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	122		15 (10) - 110 (139)	82%	SPK: 150
13127-88-3	Phenol-d6	110		15 (10) - 110 (134)	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	112		30 (49) - 130 (133)	112%	SPK: 100
321-60-8	2-Fluorobiphenyl	102		30 (52) - 130 (132)	102%	SPK: 100
118-79-6	2,4,6-Tribromophenol	175	*	15 (44) - 110 (137)	116%	SPK: 150
1718-51-0	Terphenyl-d14	76.5		30 (48) - 130 (125)	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	134000	6.886			
1146-65-2	Naphthalene-d8	511000	8.169			
15067-26-2	Acenaphthene-d10	264000	9.922			
1517-22-2	Phenanthrene-d10	404000	11.404			
1719-03-5	Chrysene-d12	354000	14.039			
1520-96-3	Perylene-d12	380000	15.515			

Raw Data: **BF141894.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/04/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/04/25
Client Sample ID:	ENV-101-SB01MSD	SDG No.:	Q1488
Lab Sample ID:	Q1488-02MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141894.D	1	03/07/25 12:45	03/07/25 18:59	PB167035

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BF141894.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141894.D
Acq On : 07 Mar 2025 18:59
Operator : RC/JU
Sample : Q1488-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 21:46:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	134345	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	510741	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	263683	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	403770	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	354164	20.000	ng	-0.01
86) Perylene-d12	15.515	264	380393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1028686	122.282	ng	0.02
7) Phenol-d6	6.510	99	1205472	110.094	ng	0.00
23) Nitrobenzene-d5	7.445	82	896395	112.185	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	432585	174.746	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1677614	102.015	ng	0.00
79) Terphenyl-d14	12.986	244	1673540	76.452	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.804	88	130927	34.300	ng	# 81
3) Pyridine	3.528	79	291474	30.690	ng	94
4) n-Nitrosodimethylamine	3.463	42	160531	35.129	ng	# 96
6) Aniline	6.551	93	254074	22.320	ng	100
8) 2-Chlorophenol	6.669	128	371175	40.787	ng	95
9) Benzaldehyde	6.439	77	75536	11.860	ng	97
10) Phenol	6.522	94	392161	33.517	ng	95
11) bis(2-Chloroethyl)ether	6.622	93	324729	36.409	ng	95
12) 1,3-Dichlorobenzene	6.828	146	367281	37.687	ng	99
13) 1,4-Dichlorobenzene	6.904	146	370754	37.756	ng	100
14) 1,2-Dichlorobenzene	7.057	146	360428	39.307	ng	99
15) Benzyl Alcohol	7.022	79	333525	38.114	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	387872	28.636	ng	94
17) 2-Methylphenol	7.134	107	290487	38.672	ng	98
18) Hexachloroethane	7.398	117	137227	37.337	ng	98
19) n-Nitroso-di-n-propyla...	7.292	70	252681	35.105	ng	98
20) 3+4-Methylphenols	7.281	107	376329	40.234	ng	96
22) Acetophenone	7.292	105	563087	45.267	ng	98
24) Nitrobenzene	7.463	77	387430	45.279	ng	99
25) Isophorone	7.704	82	691206	40.266	ng	97
26) 2-Nitrophenol	7.781	139	186144	48.633	ng	97
27) 2,4-Dimethylphenol	7.810	122	315518	50.002	ng	97
28) bis(2-Chloroethoxy)met...	7.910	93	414927	37.892	ng	99
29) 2,4-Dichlorophenol	8.016	162	316269	43.446	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	327544	41.062	ng	99
31) Naphthalene	8.186	128	1053250	40.124	ng	99
32) Benzoic acid	7.910	122	208873	40.996	ng	98
33) 4-Chloroaniline	8.233	127	110589	11.490	ng	97
34) Hexachlorobutadiene	8.304	225	209578	42.280	ng	99
35) Caprolactam	8.592	113	92720m	41.403	ng	
36) 4-Chloro-3-methylphenol	8.710	107	342009	42.293	ng	99
37) 2-Methylnaphthalene	8.875	142	668844	38.846	ng	99
38) 1-Methylnaphthalene	8.975	142	659348	39.910	ng	99
40) 1,2,4,5-Tetrachloroben...	9.045	216	384500	50.489	ng	99
41) Hexachlorocyclopentadiene	9.033	237	354394	111.510	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	229240	46.600	ng	99

Sample Results: **BF141894.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141894.D
Acq On : 07 Mar 2025 18:59
Operator : RC/JU
Sample : Q1488-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 21:46:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	245109	50.318	ng		99
46) 1,1'-Biphenyl	9.339	154	988985	49.276	ng		98
47) 2-Chloronaphthalene	9.369	162	659104	44.493	ng		99
48) 2-Nitroaniline	9.457	65	206180	50.590	ng		94
49) Acenaphthylene	9.780	152	1040851	46.864	ng		99
50) Dimethylphthalate	9.639	163	812721	46.025	ng		100
51) 2,6-Dinitrotoluene	9.698	165	175263	51.654	ng		94
52) Acenaphthene	9.951	154	722307	48.198	ng		98
53) 3-Nitroaniline	9.869	138	97436	28.372	ng	#	95
54) 2,4-Dinitrophenol	9.975	184	137236	86.130	ng	#	1
55) Dibenzofuran	10.127	168	933866	42.813	ng		100
56) 4-Nitrophenol	10.022	139	270754	103.815	ng		94
57) 2,4-Dinitrotoluene	10.104	165	235820	56.481	ng		91
58) Fluorene	10.469	166	726575	44.469	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	204200	48.200	ng		99
60) Diethylphthalate	10.339	149	775577	43.812	ng		99
61) 4-Chlorophenyl-phenyle...	10.457	204	367966	44.949	ng		98
62) 4-Nitroaniline	10.480	138	156047	51.746	ng		97
63) Azobenzene	10.622	77	705547	37.853	ng		97
65) 4,6-Dinitro-2-methylph...	10.510	198	94537	49.429	ng		86
66) n-Nitrosodiphenylamine	10.575	169	640239	48.289	ng		99
67) 4-Bromophenyl-phenylether	10.951	248	222564	47.191	ng		98
68) Hexachlorobenzene	11.016	284	248851	49.968	ng		95
69) Atrazine	11.104	200	241903	66.347	ng		98
70) Pentachlorophenol	11.204	266	313151	99.142	ng		99
71) Phenanthrene	11.427	178	987200	45.709	ng		100
72) Anthracene	11.480	178	1008649	46.598	ng		99
73) Carbazole	11.633	167	873000	45.671	ng		99
74) Di-n-butylphthalate	11.963	149	1068561	44.102	ng		99
75) Fluoranthene	12.616	202	991365	44.797	ng		96
77) Benzidine	12.733	184	318211	71.385	ng		100
78) Pyrene	12.845	202	1030931	33.615	ng		98
80) Butylbenzylphthalate	13.463	149	408177	36.632	ng		96
81) Benzo(a)anthracene	14.033	228	1056782	45.175	ng		99
82) 3,3'-Dichlorobenzidine	13.992	252	254664	37.944	ng		99
83) Chrysene	14.068	228	931717	43.206	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	551160	39.726	ng		100
85) Di-n-octyl phthalate	14.633	149	997945	48.045	ng		95
87) Indeno(1,2,3-cd)pyrene	17.003	276	890859	36.779	ng		95
88) Benzo(b)fluoranthene	15.080	252	1102180	42.537	ng		98
89) Benzo(k)fluoranthene	15.115	252	956534m	43.432	ng		
90) Benzo(a)pyrene	15.451	252	972786	46.812	ng		98
91) Dibenzo(a,h)anthracene	17.021	278	740740	37.465	ng	#	95
92) Benzo(g,h,i)perylene	17.451	276	622794	30.747	ng		95

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

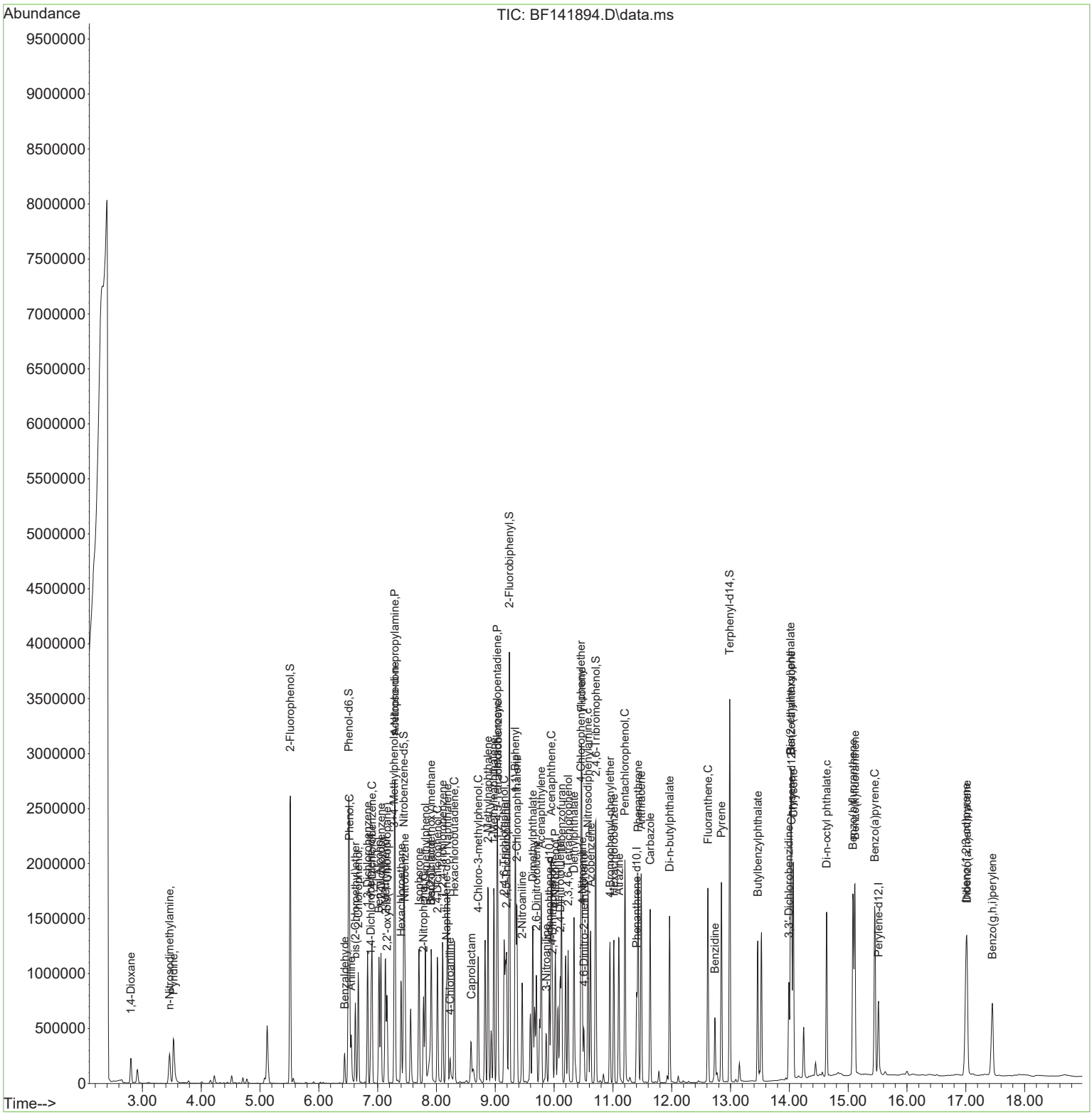
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030725\
Data File : BF141894.D
Acq On : 07 Mar 2025 18:59
Operator : RC/JU
Sample : Q1488-02MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

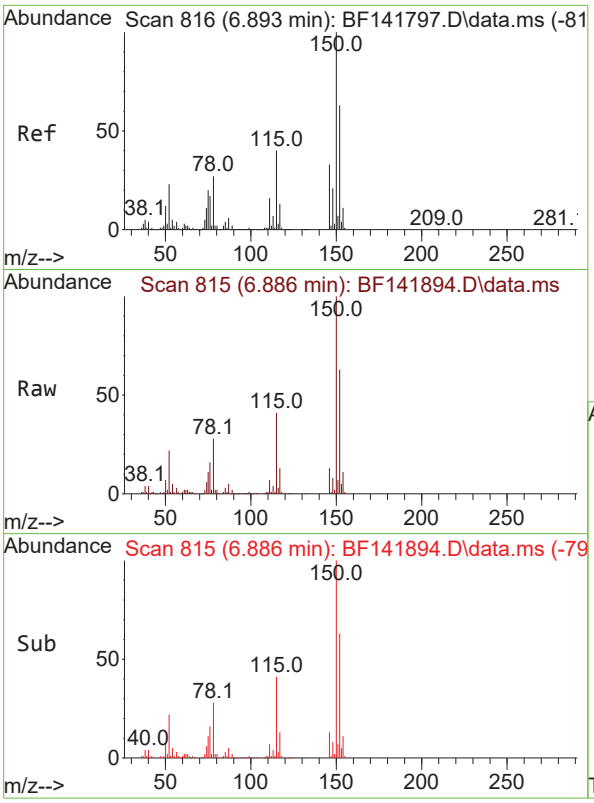
Quant Time: Mar 07 21:46:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 28 01:48:16 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

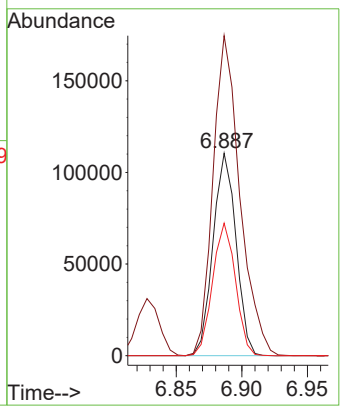




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:152 Resp: 13434

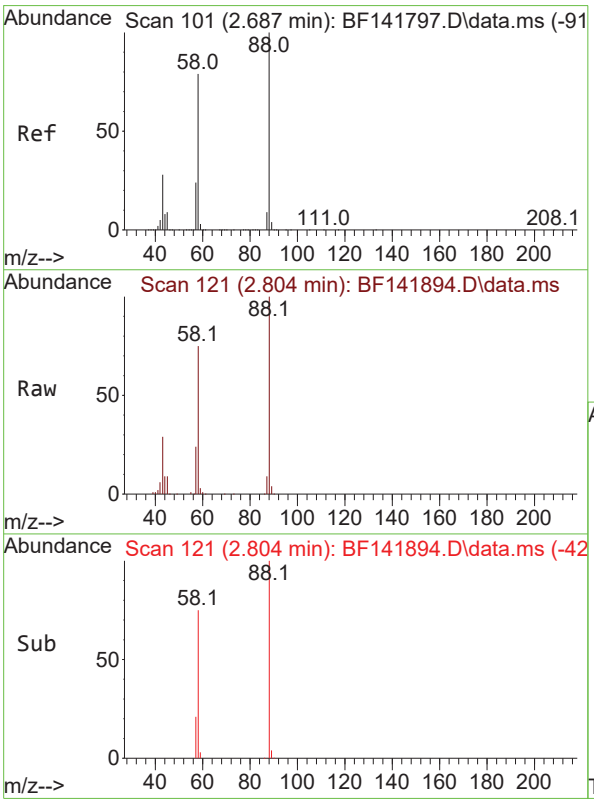
Ion	Ratio	Lower	Upper
152	100		
150	158.1	127.5	191.3
115	65.5	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

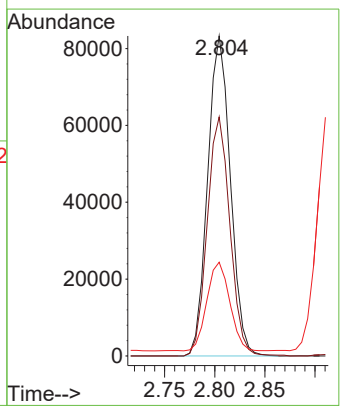
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

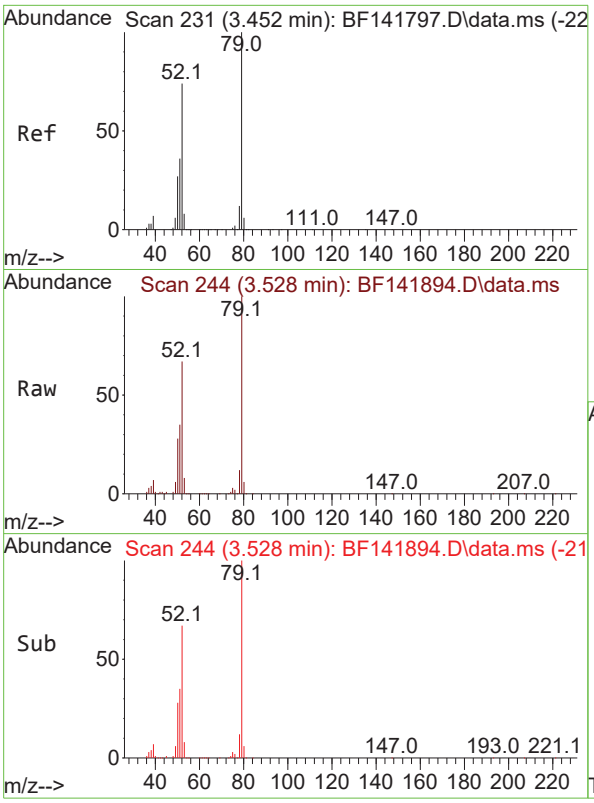


#2
1,4-Dioxane
Concen: 34.300 ng
RT: 2.804 min Scan# 121
Delta R.T. 0.117 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion: 88 Resp: 130927

Ion	Ratio	Lower	Upper
88	100		
58	74.5	63.9	95.9
43	0.0	23.0	34.6#





#3
Pyridine
Concen: 30.690 ng
RT: 3.528 min Scan# 24
Delta R.T. 0.076 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

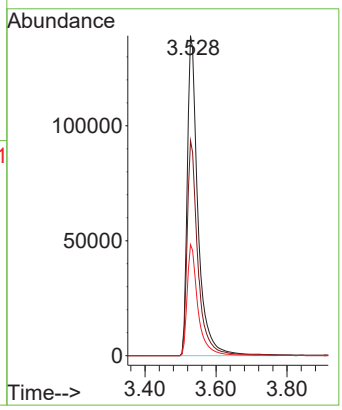
Tgt Ion: 79 Resp: 29147

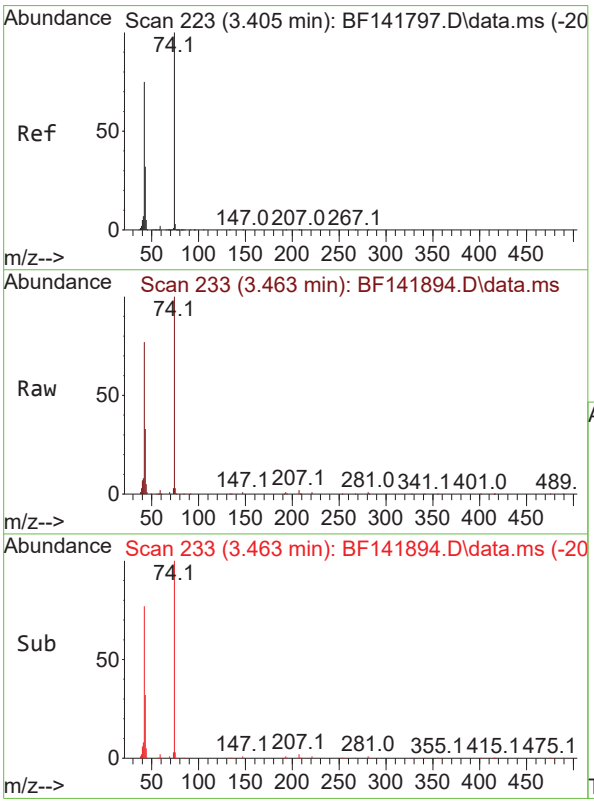
Ion	Ratio	Lower	Upper
79	100		
52	67.2	59.0	88.4
51	34.7	29.0	43.4

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

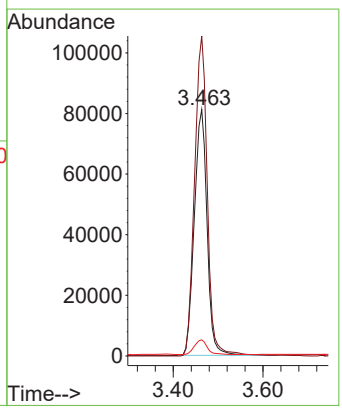


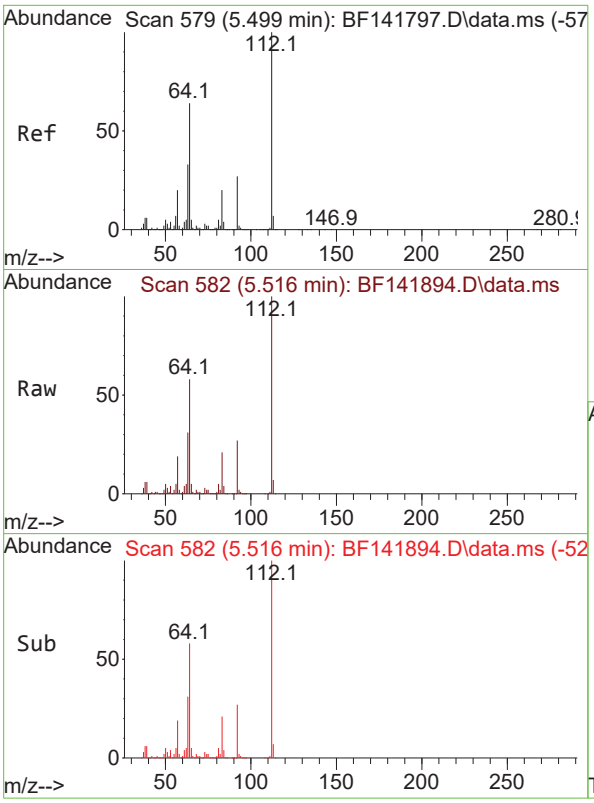


#4
n-Nitrosodimethylamine
Concen: 35.129 ng
RT: 3.463 min Scan# 233
Delta R.T. 0.059 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion: 42 Resp: 160531

Ion	Ratio	Lower	Upper
42	100		
74	129.8	107.1	160.7
44	6.5	6.6	9.8#

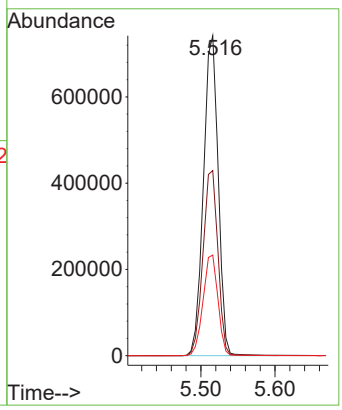




#5
2-Fluorophenol
Concen: 122.282 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.017 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:112 Resp: 102868

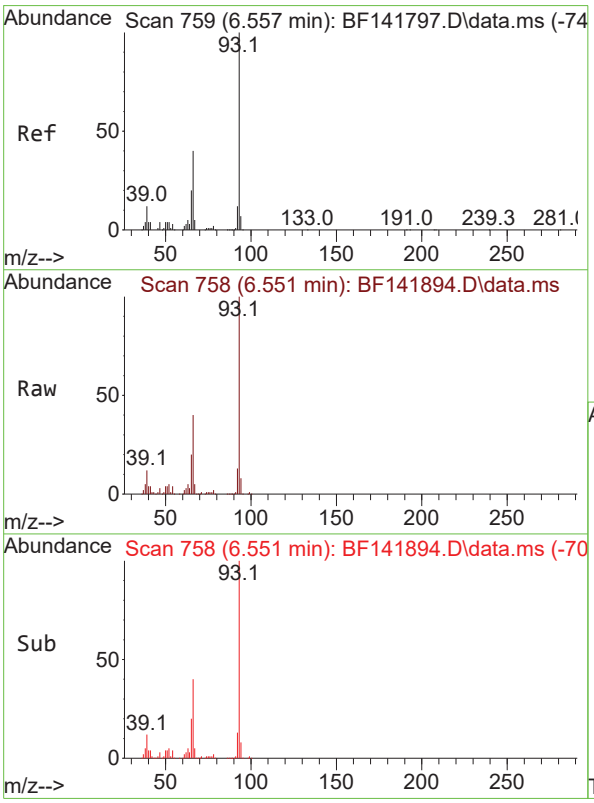
Ion	Ratio	Lower	Upper
112	100		
64	57.8	51.3	76.9
63	31.5	26.2	39.4



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

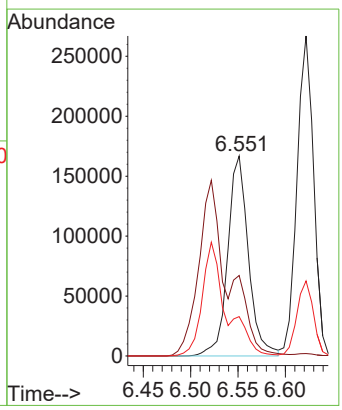
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

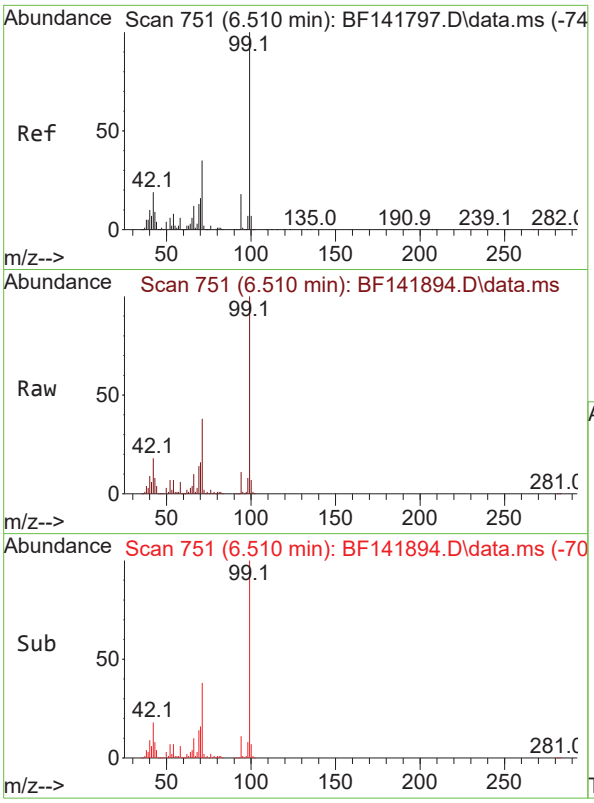


#6
Aniline
Concen: 22.320 ng
RT: 6.551 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion: 93 Resp: 254074

Ion	Ratio	Lower	Upper
93	100		
66	40.2	32.3	48.5
65	19.7	15.9	23.9

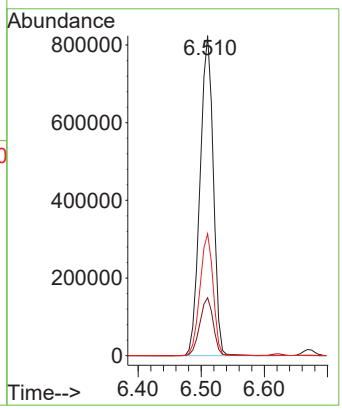




#7
Phenol-d6
Concen: 110.094 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion: 99 Resp: 120547

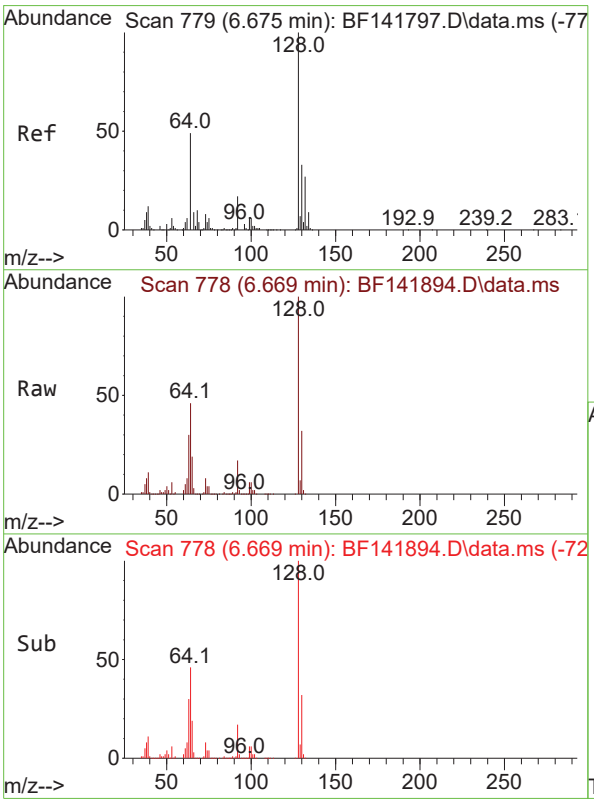
Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.2	22.8
71	38.1	28.2	42.2



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

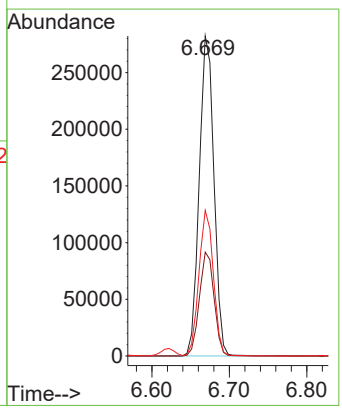
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

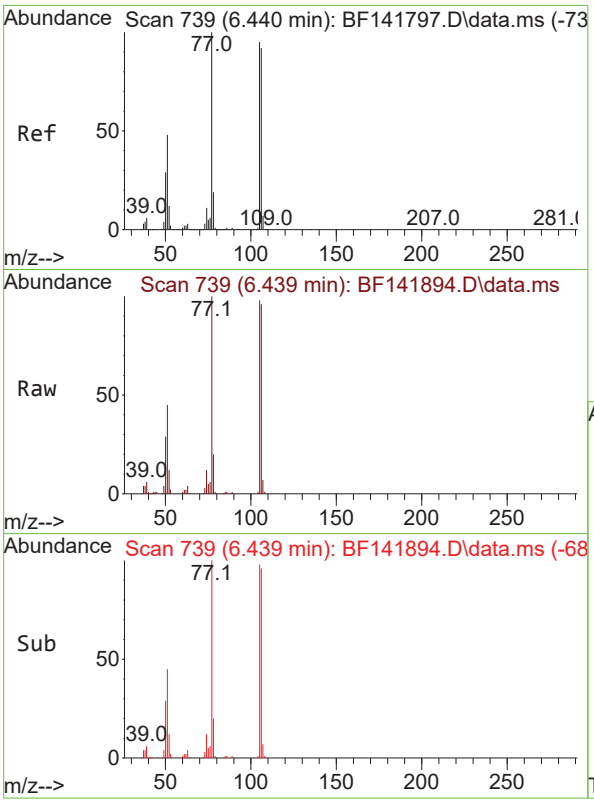


#8
2-Chlorophenol
Concen: 40.787 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:128 Resp: 371175

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.6	52.6
64	45.5	31.1	71.1

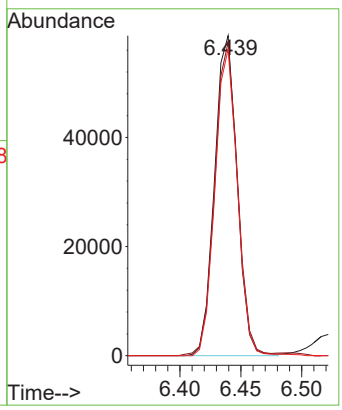




#9
Benzaldehyde
Concen: 11.860 ng
RT: 6.439 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion: 77 Resp: 7553

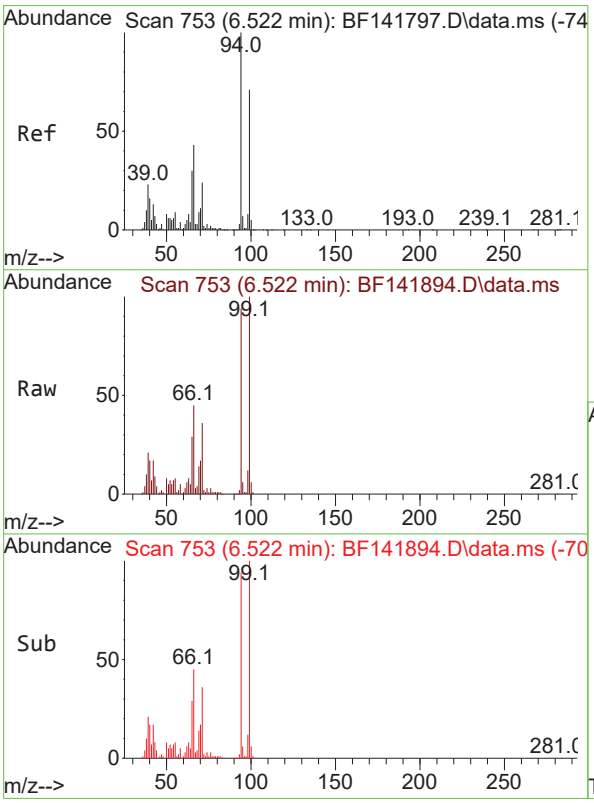
Ion	Ratio	Lower	Upper
77	100		
105	97.9	75.3	115.3
106	95.8	72.3	112.3



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

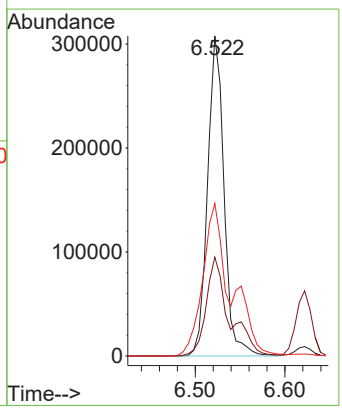
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

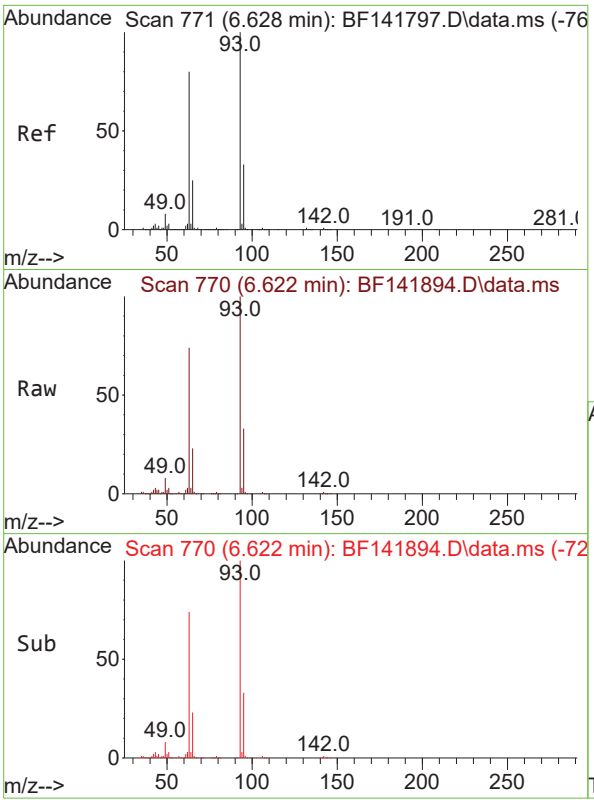


#10
Phenol
Concen: 33.517 ng
RT: 6.522 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion: 94 Resp: 392161

Ion	Ratio	Lower	Upper
94	100		
65	30.9	10.2	50.2
66	47.6	23.2	63.2

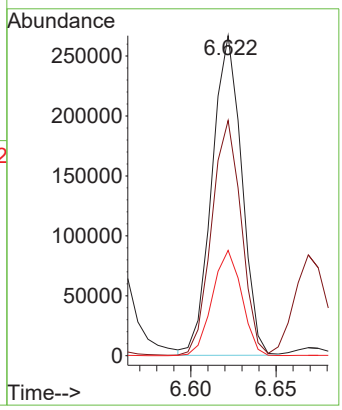




#11
bis(2-Chloroethyl)ether
Concen: 36.409 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion: 93 Resp: 32472

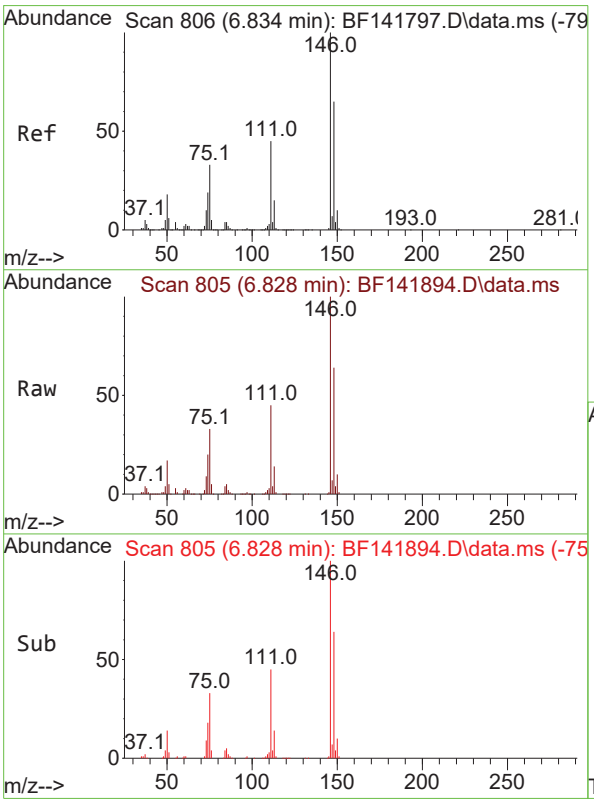
Ion	Ratio	Lower	Upper
93	100		
63	73.5	59.3	99.3
95	32.9	13.2	53.2



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

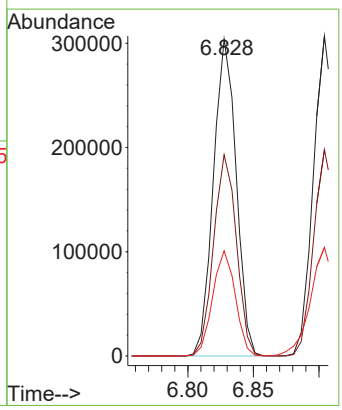
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

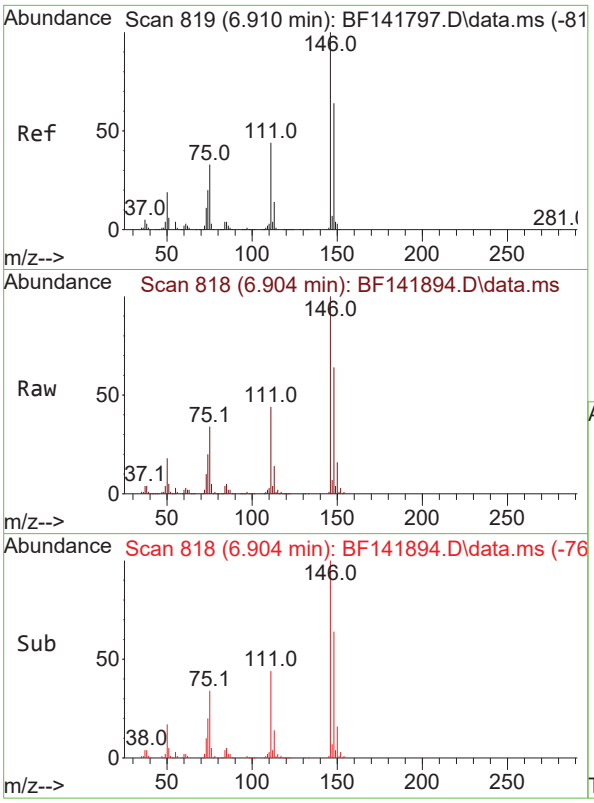


#12
1,3-Dichlorobenzene
Concen: 37.687 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:146 Resp: 367281

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.8	77.6
75	33.2	26.2	39.4

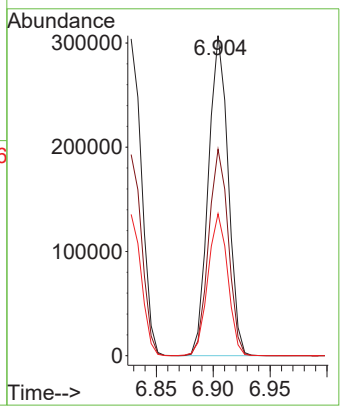




#13
1,4-Dichlorobenzene
Concen: 37.756 ng
RT: 6.904 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:146 Resp: 37075

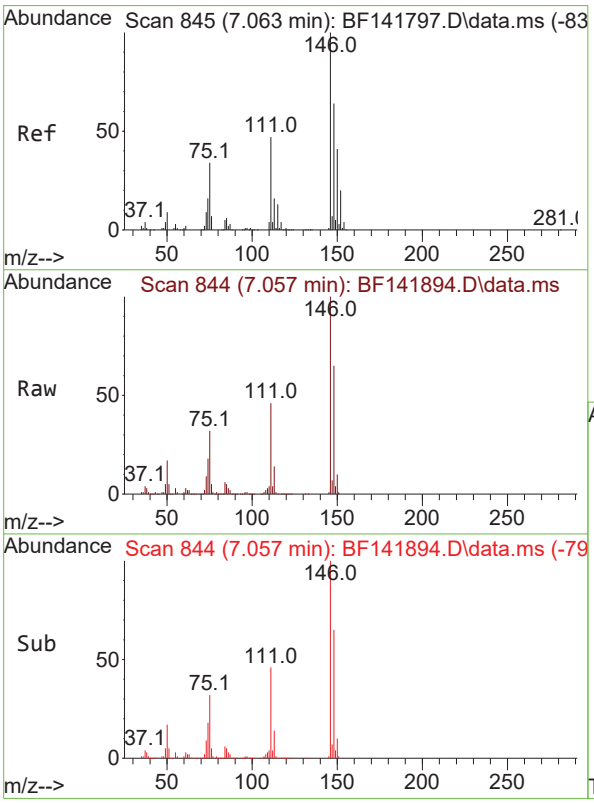
Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.4	77.2
111	44.4	35.5	53.3



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

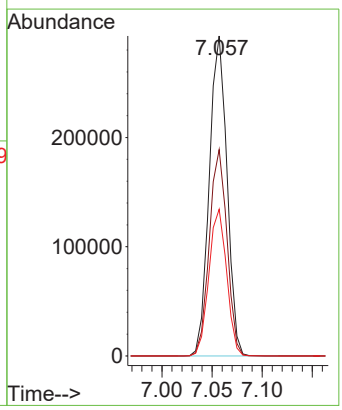
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

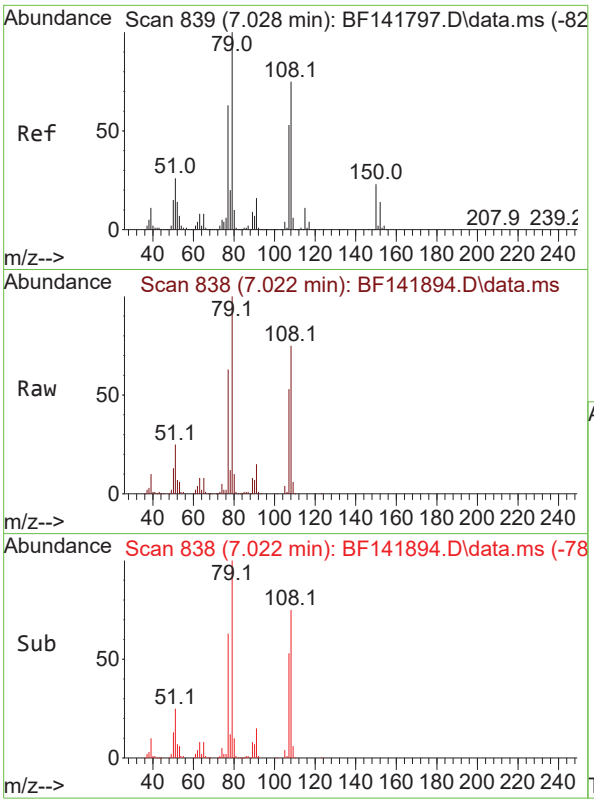


#14
1,2-Dichlorobenzene
Concen: 39.307 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:146 Resp: 360428

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.2	76.8
111	45.8	37.8	56.6





#15
Benzyl Alcohol
Concen: 38.114 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

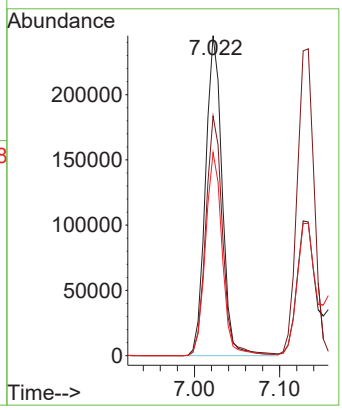
Tgt Ion: 79 Resp: 33352

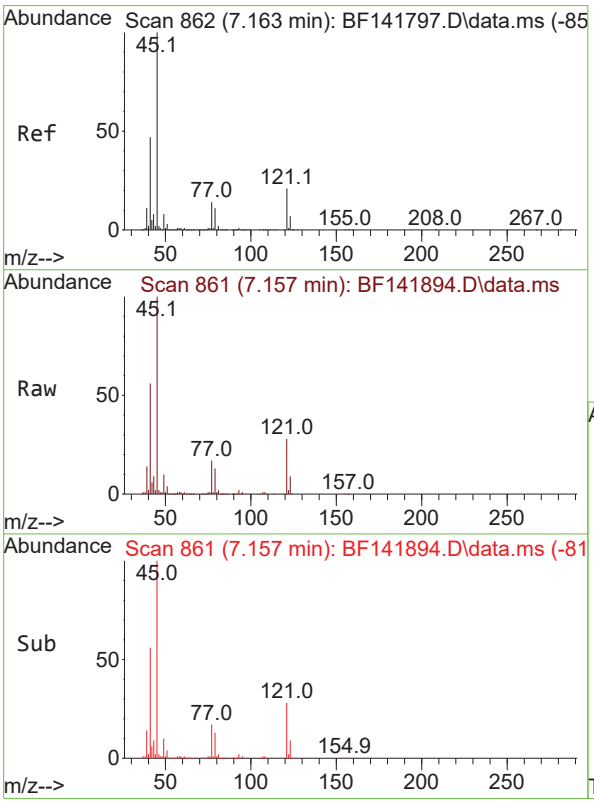
Ion	Ratio	Lower	Upper
79	100		
108	74.9	60.2	90.2
77	63.5	50.2	75.2

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

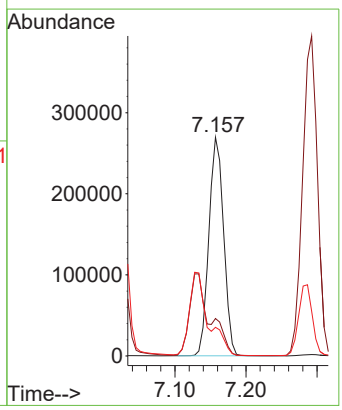


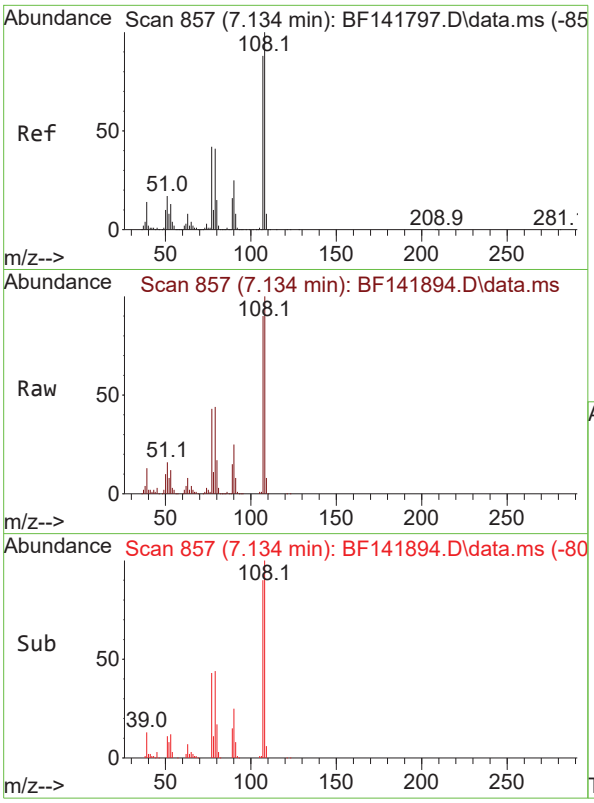


#16
2,2'-oxybis(1-Chloropropane)
Concen: 28.636 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion: 45 Resp: 387872

Ion	Ratio	Lower	Upper
45	100		
77	17.1	0.0	34.4
79	13.1	0.0	30.9

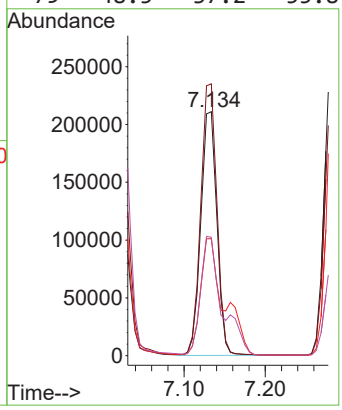




#17
2-Methylphenol
Concen: 38.672 ng
RT: 7.134 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:107 Resp: 29048

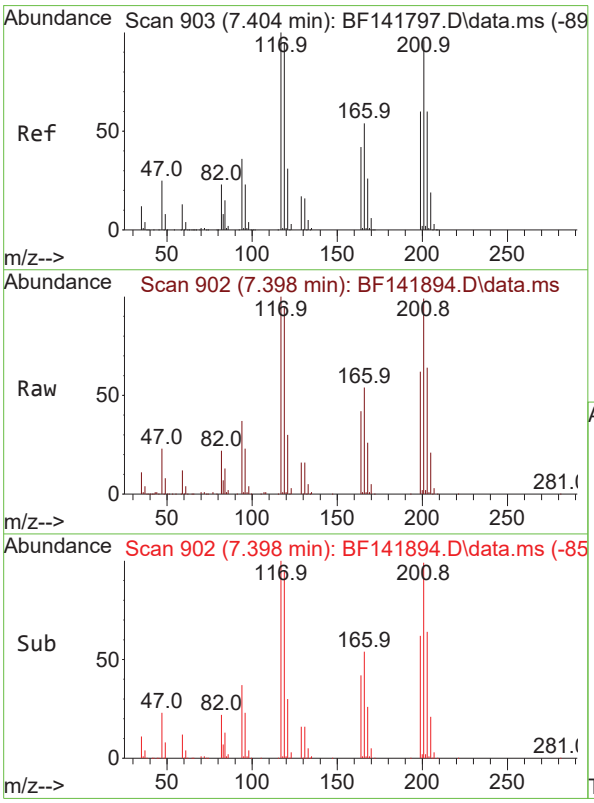
Ion	Ratio	Lower	Upper
107	100		
108	111.4	90.6	135.8
77	48.0	37.7	56.5
79	48.5	37.2	55.8



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

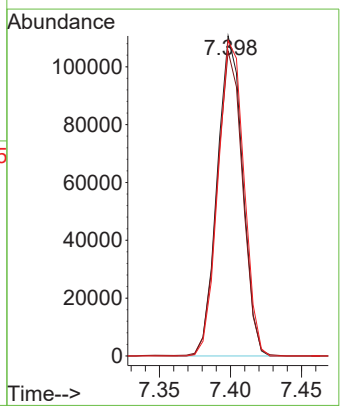
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

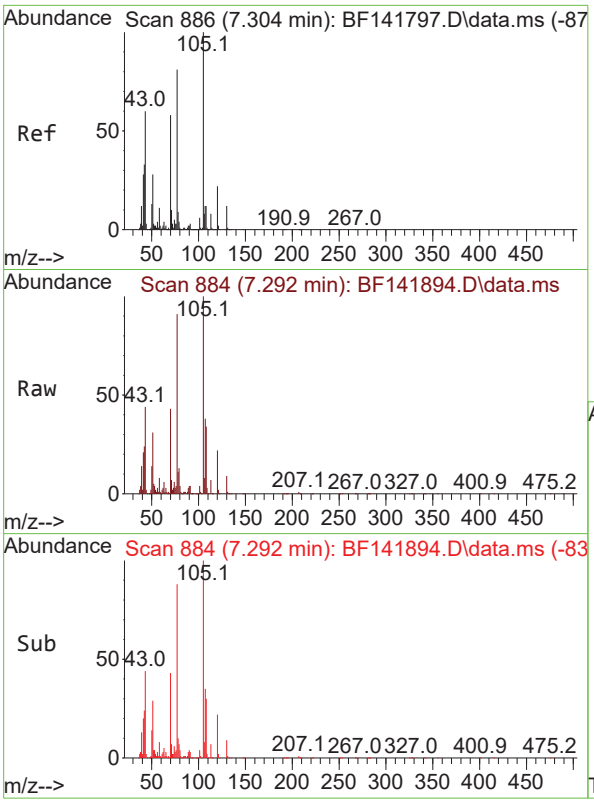


#18
Hexachloroethane
Concen: 37.337 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:117 Resp: 137227

Ion	Ratio	Lower	Upper
117	100		
119	95.2	75.8	113.8
201	98.5	76.7	115.1

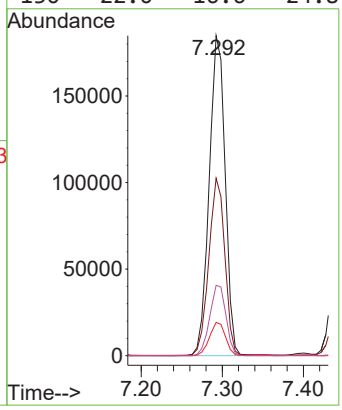




#19
n-Nitroso-di-n-propylamine
Concen: 35.105 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion: 70 Resp: 25268

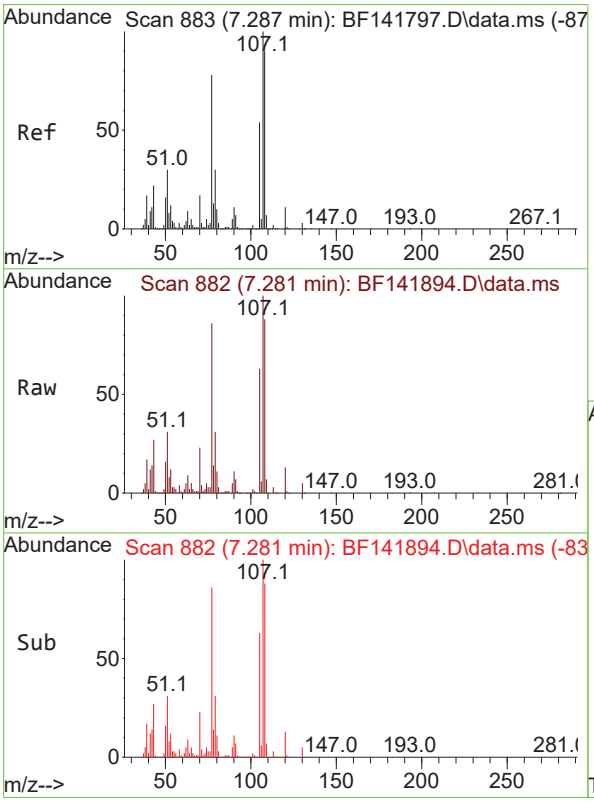
Ion	Ratio	Lower	Upper
70	100		
42	55.4	45.4	68.0
101	10.4	7.8	11.8
130	22.0	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

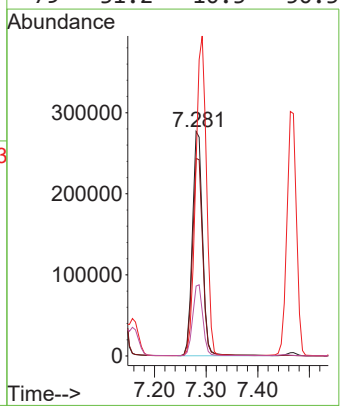
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

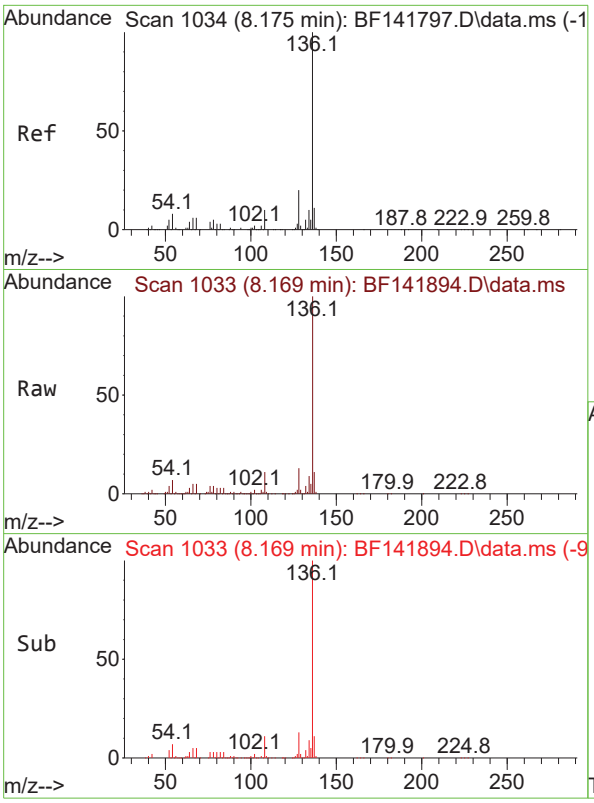


#20
3+4-Methylphenols
Concen: 40.234 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:107 Resp: 376329

Ion	Ratio	Lower	Upper
107	100		
108	88.0	69.7	109.7
77	85.9	58.3	98.3
79	31.2	10.3	50.3

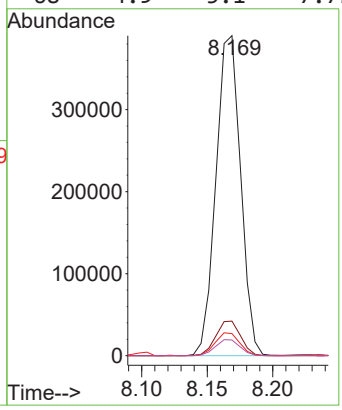




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:136 Resp: 51074

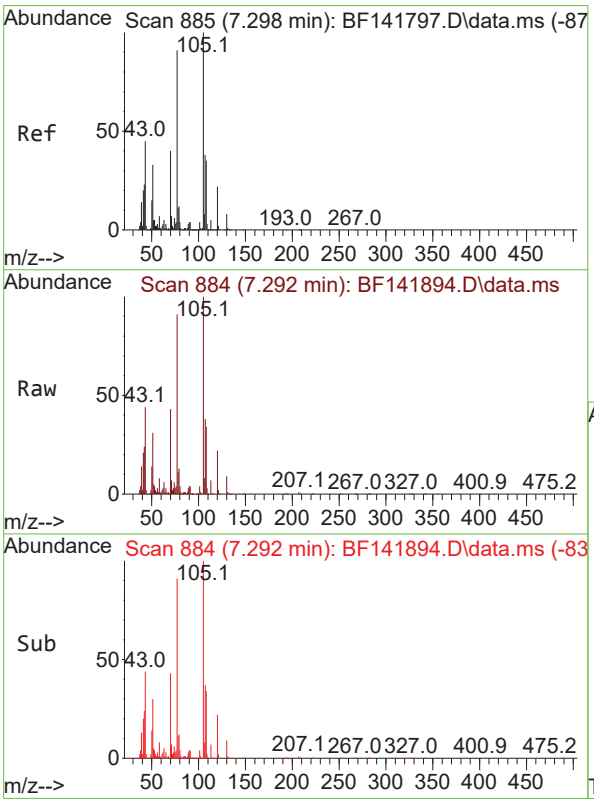
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.9	6.9	10.3
68	4.9	5.1	7.7#



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

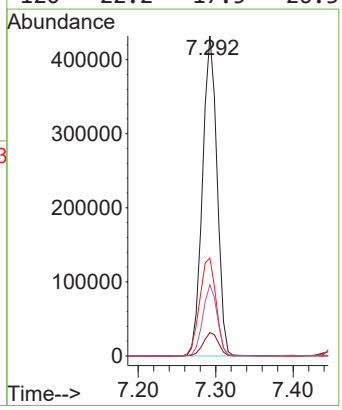
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

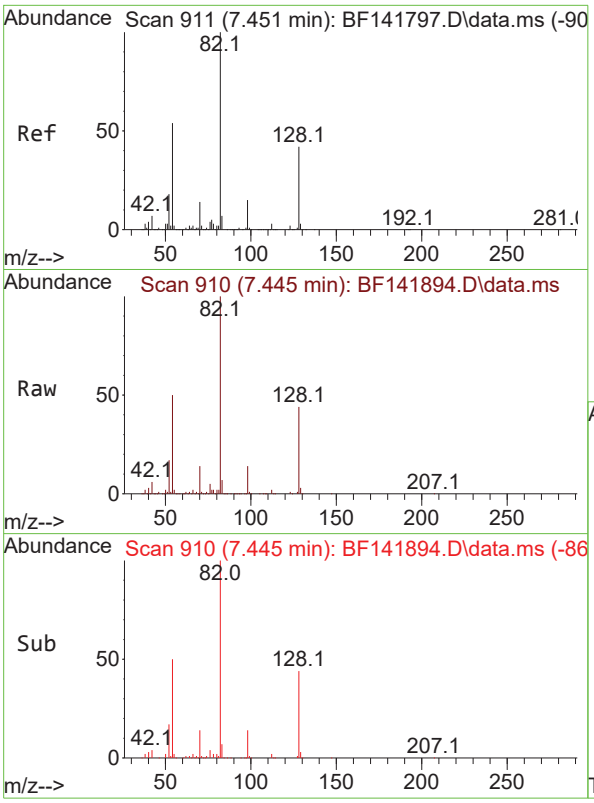


#22
Acetophenone
Concen: 45.267 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:105 Resp: 563087

Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.4	8.0
51	30.6	26.1	39.1
120	22.2	17.5	26.3





#23
Nitrobenzene-d5
Concen: 112.185 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

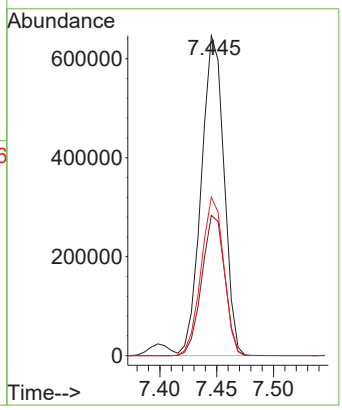
Tgt Ion: 82 Resp: 89639

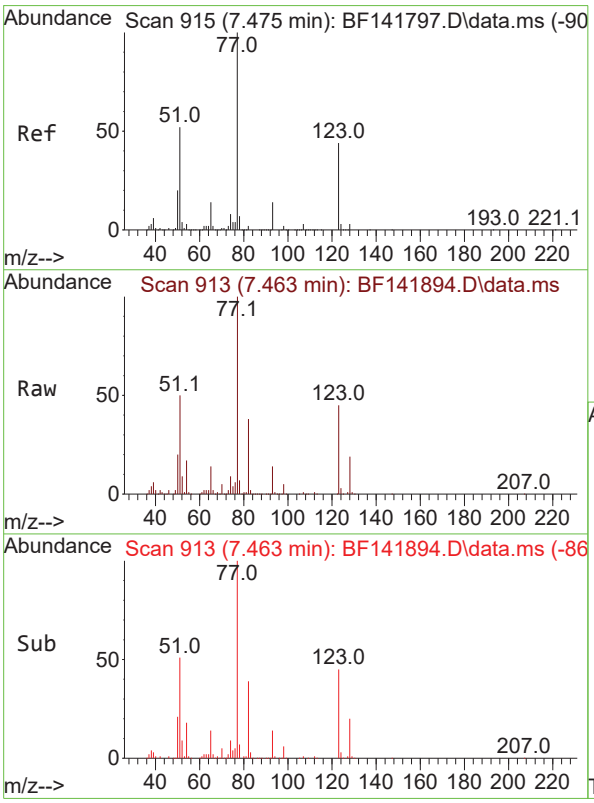
Ion	Ratio	Lower	Upper
82	100		
128	43.9	33.5	50.3
54	49.6	42.7	64.1

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

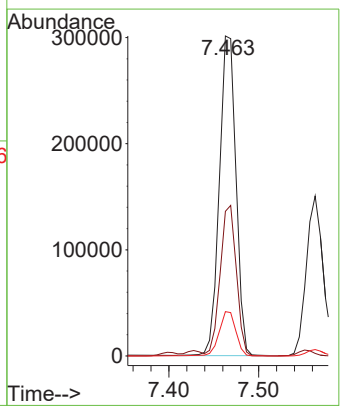


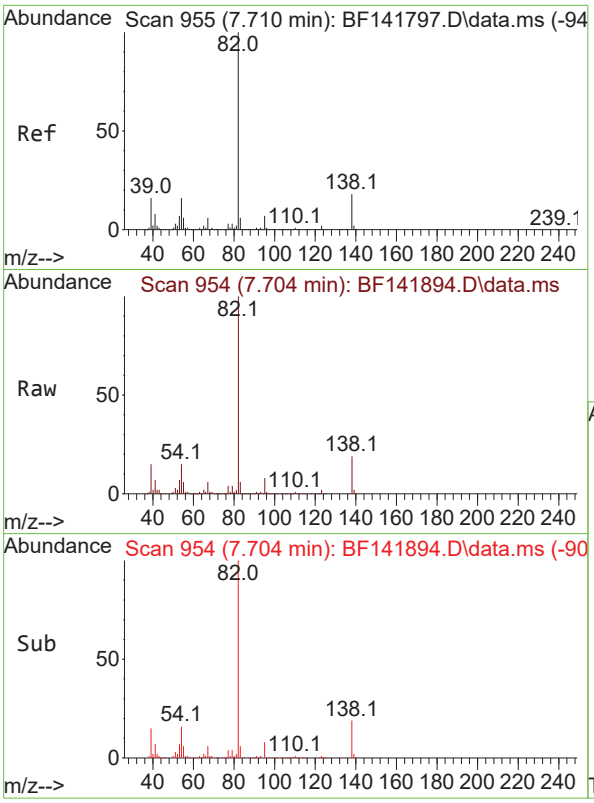


#24
Nitrobenzene
Concen: 45.279 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion: 77 Resp: 387430

Ion	Ratio	Lower	Upper
77	100		
123	45.2	35.8	53.8
65	13.8	11.2	16.8

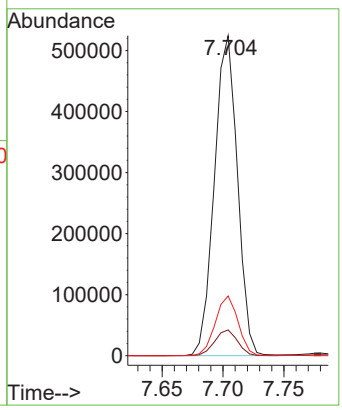




#25
Isophorone
Concen: 40.266 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion: 82 Resp: 69120

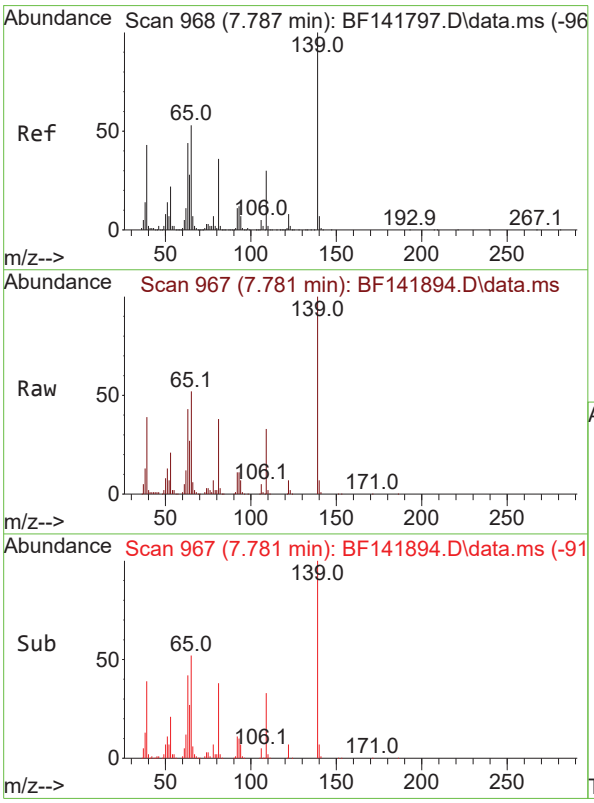
Ion	Ratio	Lower	Upper
82	100		
95	8.0	5.8	8.8
138	18.7	14.0	21.0



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

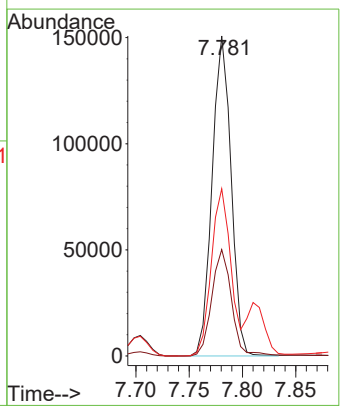
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

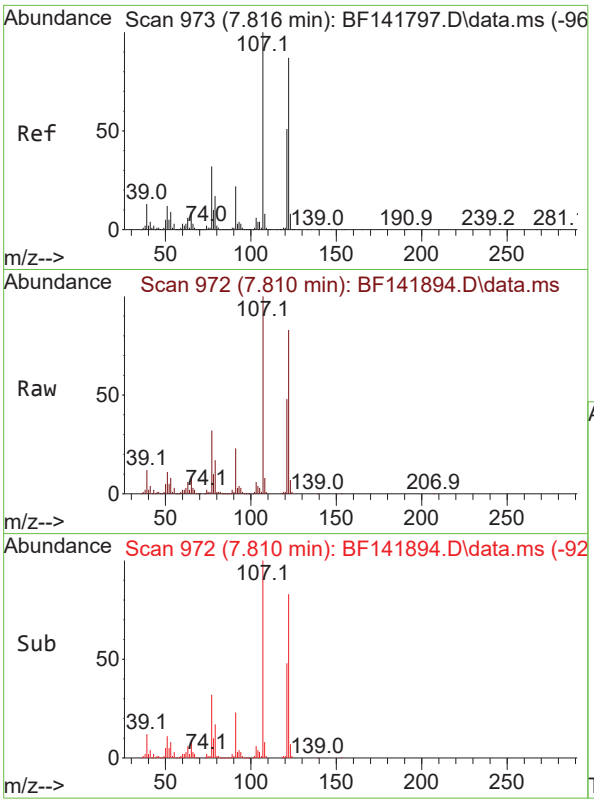


#26
2-Nitrophenol
Concen: 48.633 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:139 Resp: 186144

Ion	Ratio	Lower	Upper
139	100		
109	33.3	24.1	36.1
65	52.3	42.3	63.5





#27
2,4-Dimethylphenol
Concen: 50.002 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

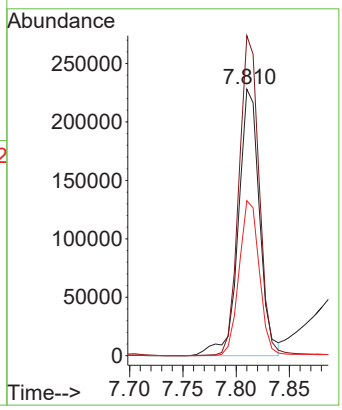
Tgt Ion:122 Resp: 31551

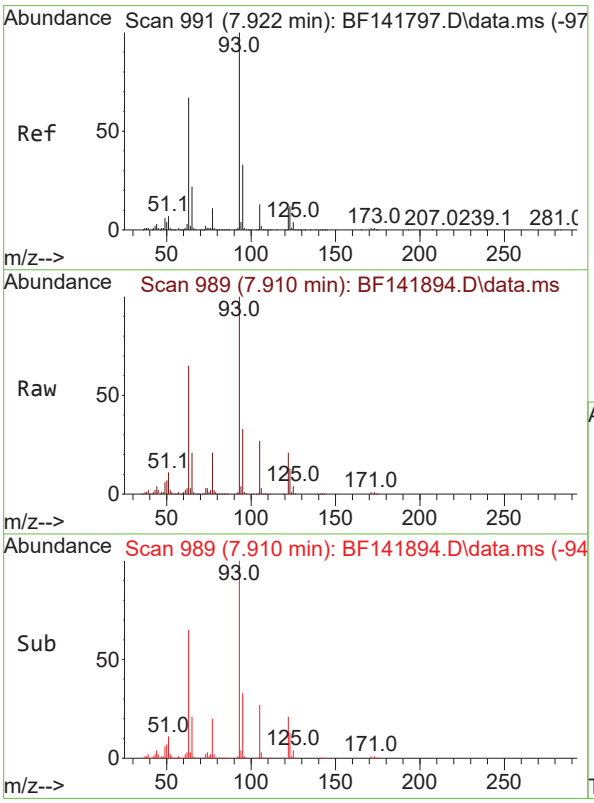
Ion	Ratio	Lower	Upper
122	100		
107	120.0	92.5	138.7
121	58.1	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

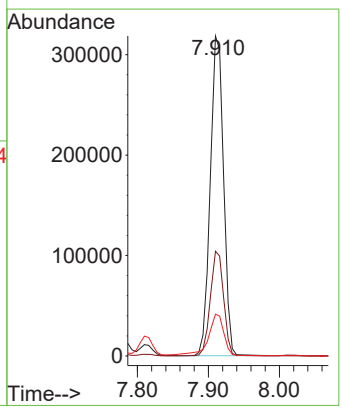


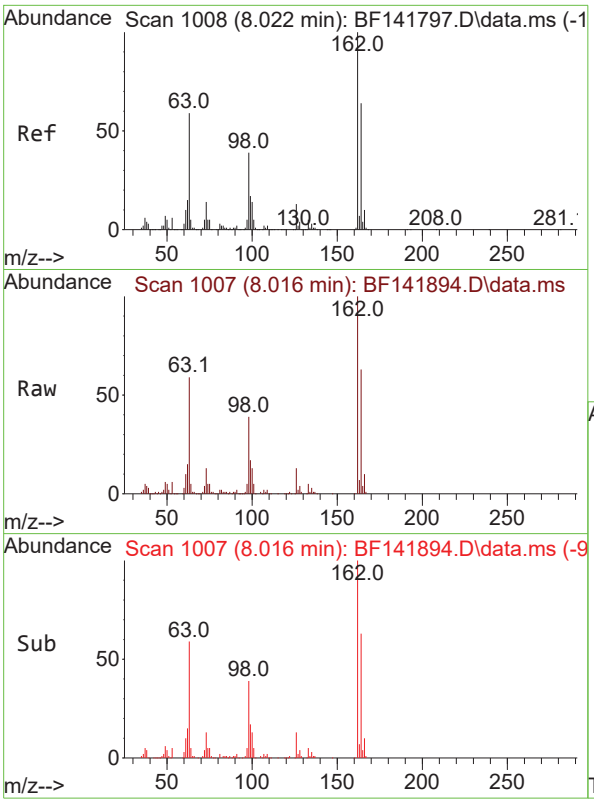


#28
bis(2-Chloroethoxy)methane
Concen: 37.892 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion: 93 Resp: 414927

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.5	39.7
123	13.0	10.0	15.0

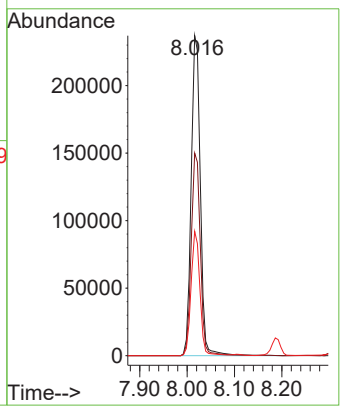




#29
2,4-Dichlorophenol
Concen: 43.446 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:162 Resp: 31626

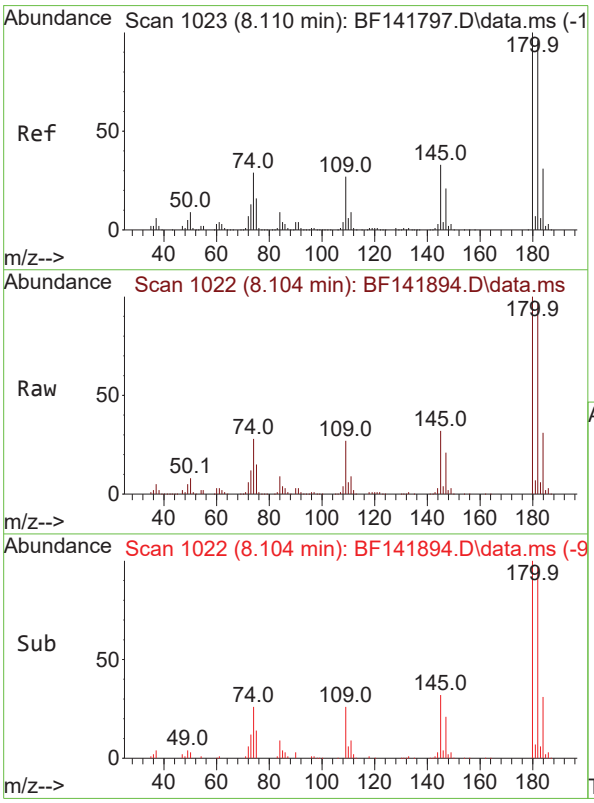
Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.3	84.3
98	38.9	19.6	59.6



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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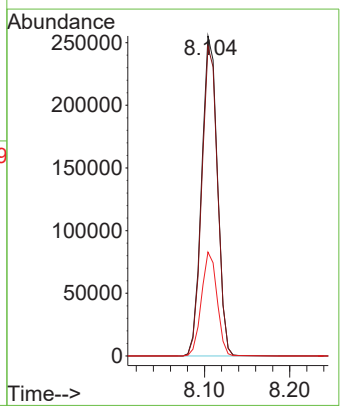
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

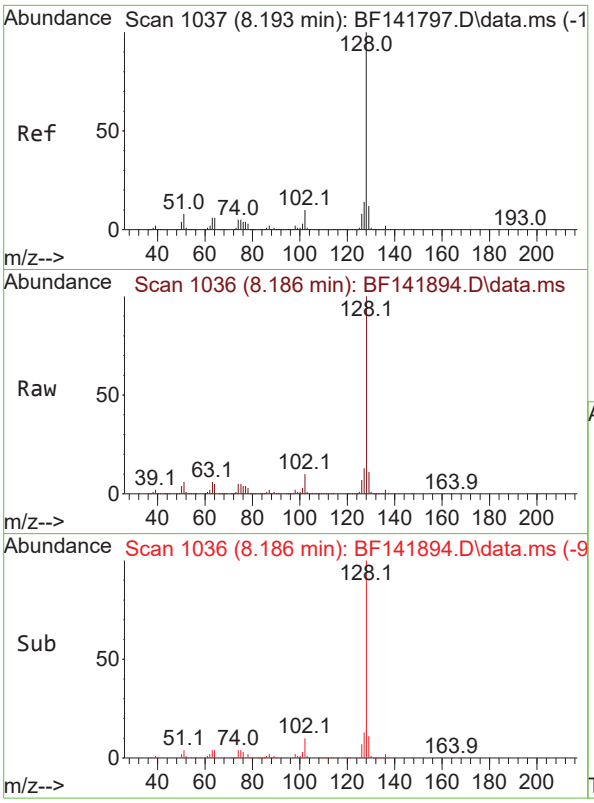


#30
1,2,4-Trichlorobenzene
Concen: 41.062 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:180 Resp: 327544

Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.8	115.2
145	32.5	26.4	39.6

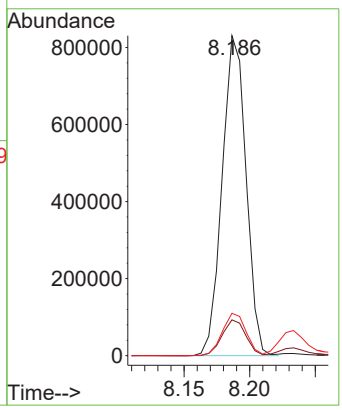




#31
Naphthalene
Concen: 40.124 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:128 Resp: 105325

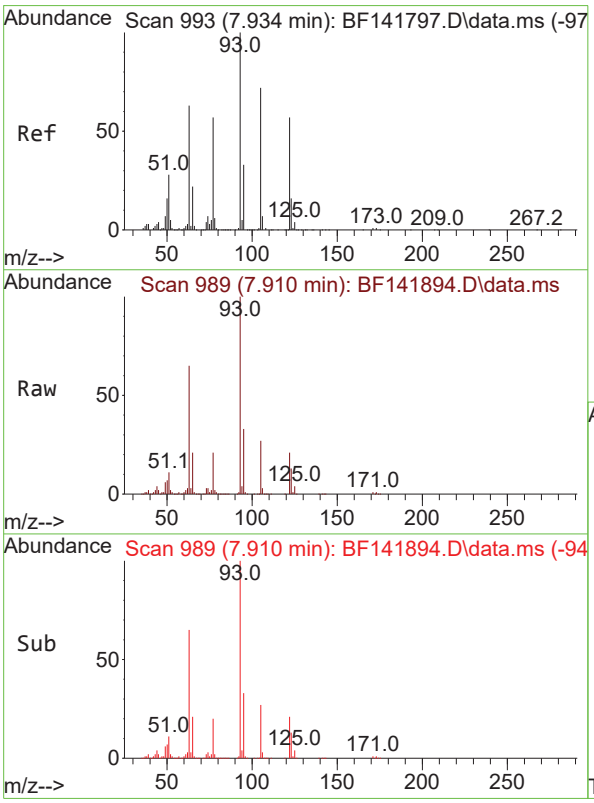
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.2	13.8
127	13.3	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

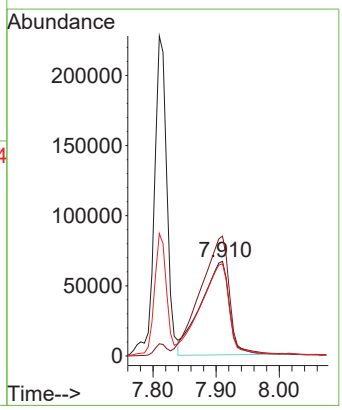
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

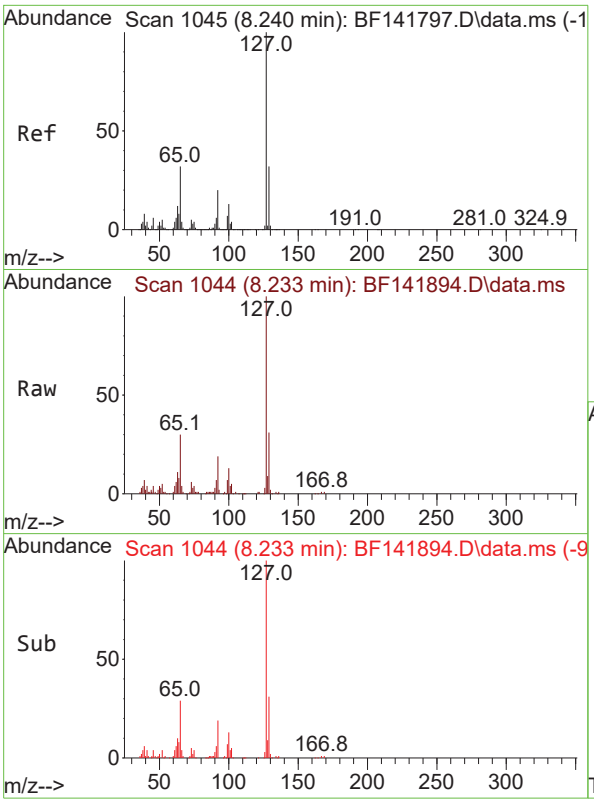


#32
Benzoic acid
Concen: 40.996 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.024 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:122 Resp: 208873

Ion	Ratio	Lower	Upper
122	100		
105	126.8	105.8	145.8
77	97.5	79.9	119.9





#33
4-Chloroaniline
Concen: 11.490 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

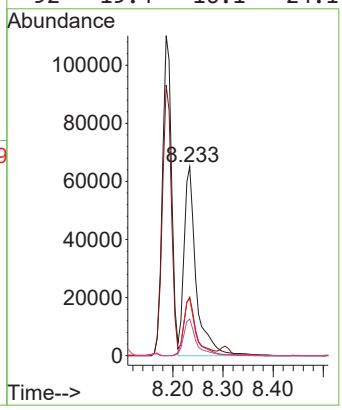
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

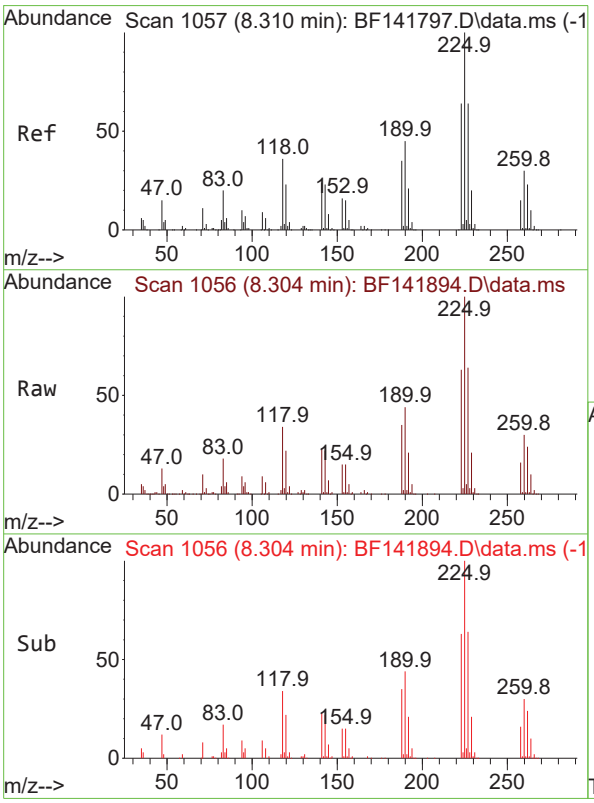
Tgt Ion:127 Resp: 11058

Ion	Ratio	Lower	Upper
127	100		
129	31.0	26.1	39.1
65	30.1	25.7	38.5
92	19.4	16.1	24.1

Manual Integrations
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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

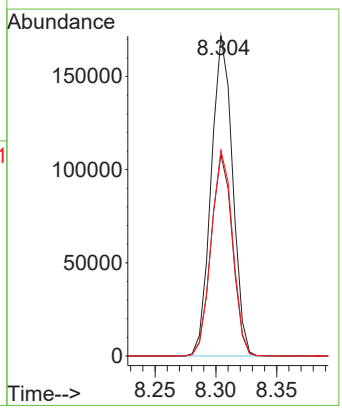


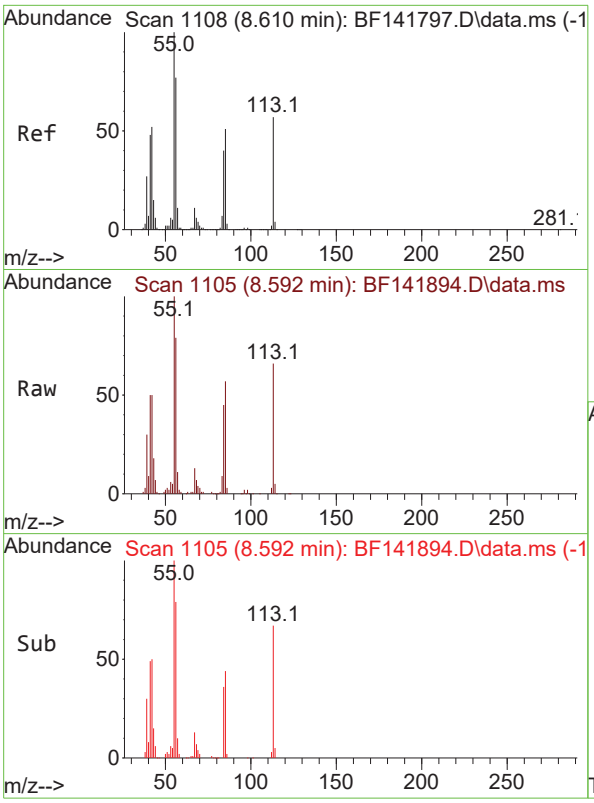


#34
Hexachlorobutadiene
Concen: 42.280 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:225 Resp: 209578

Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.4	77.2
227	64.3	51.6	77.4

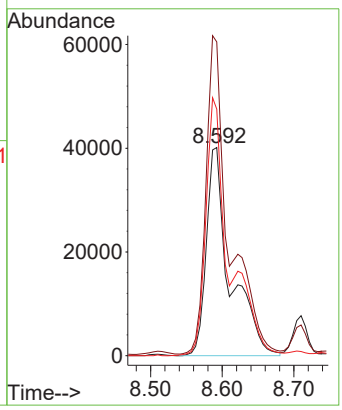




#35
Caprolactam
Concen: 41.403 ng m
RT: 8.592 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:113 Resp: 9272

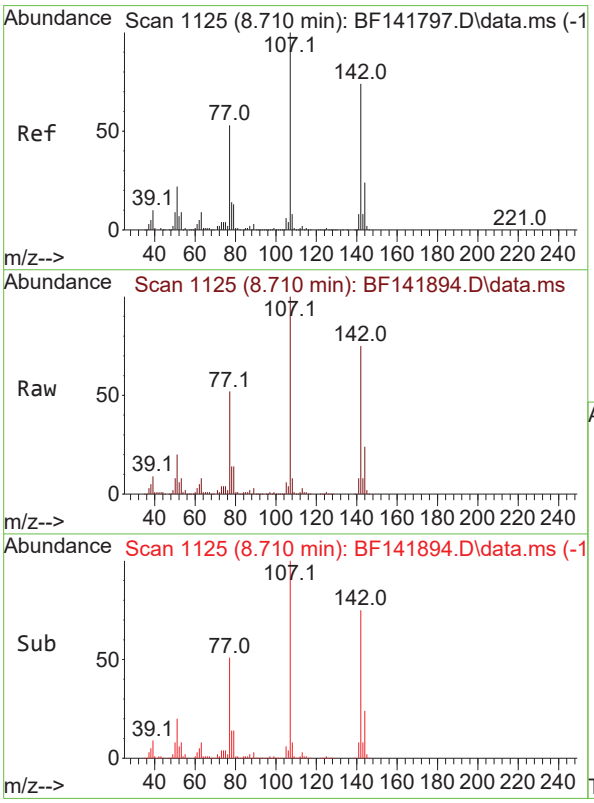
Ion	Ratio	Lower	Upper
113	100		
55	150.7	155.6	195.6
56	118.4	114.6	154.6



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

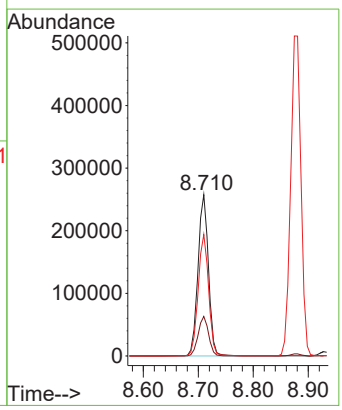
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

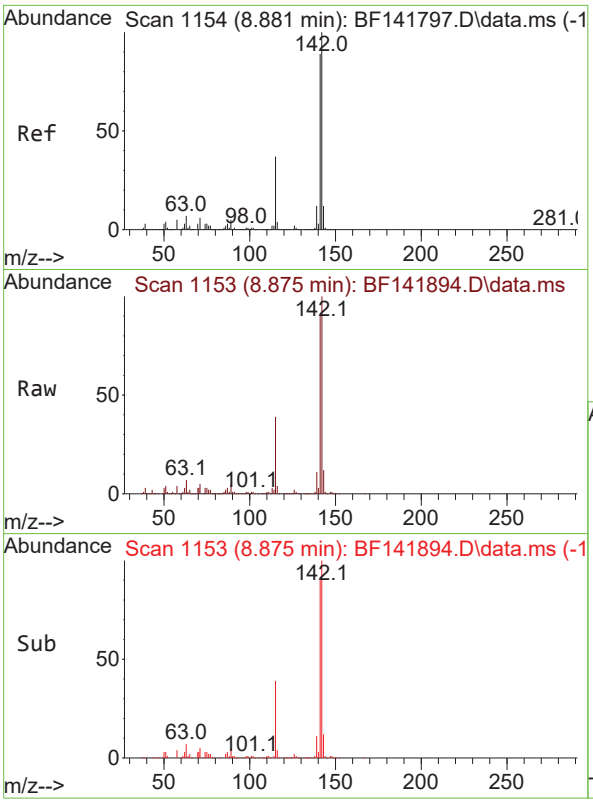


#36
4-Chloro-3-methylphenol
Concen: 42.293 ng
RT: 8.710 min Scan# 1125
Delta R.T. -0.000 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:107 Resp: 342009

Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.4	29.0
142	75.3	59.4	89.0

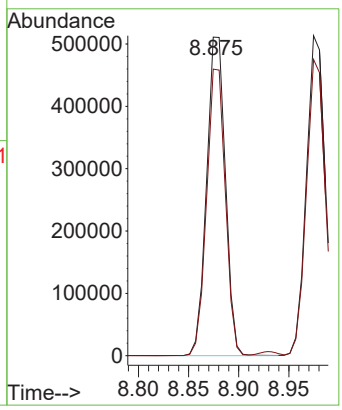




#37
2-Methylnaphthalene
Concen: 38.846 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:142 Resp: 66884

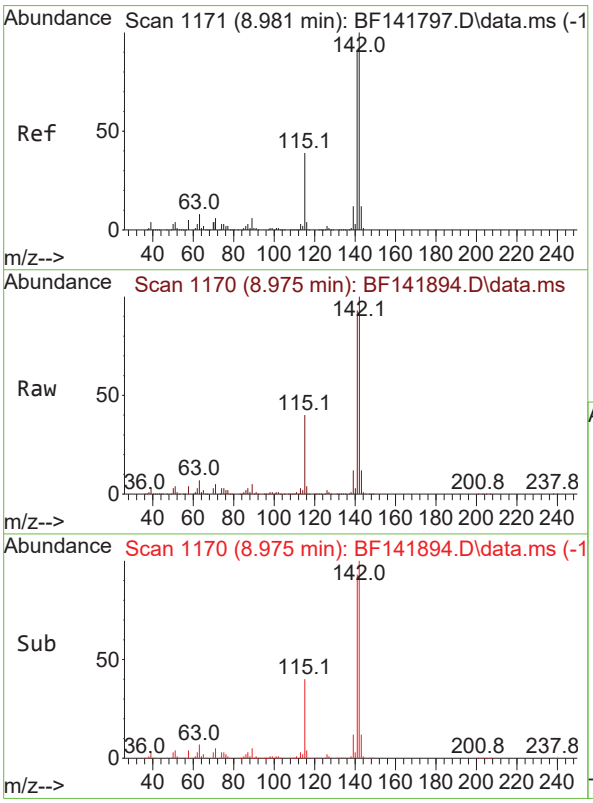
Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.1	106.7



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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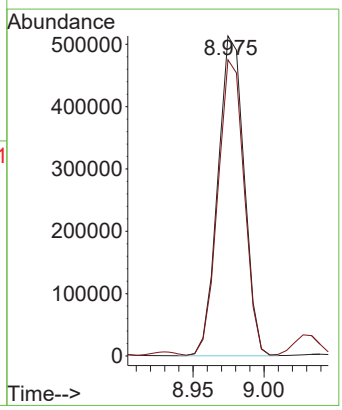
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

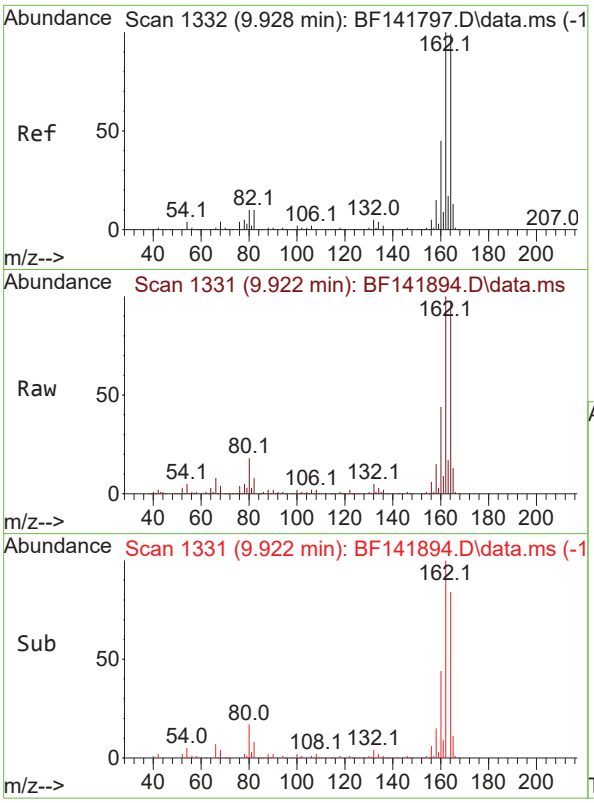


#38
1-Methylnaphthalene
Concen: 39.910 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:142 Resp: 659348

Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.1	109.7

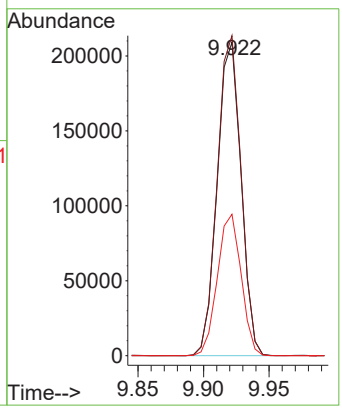




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:164 Resp: 26368

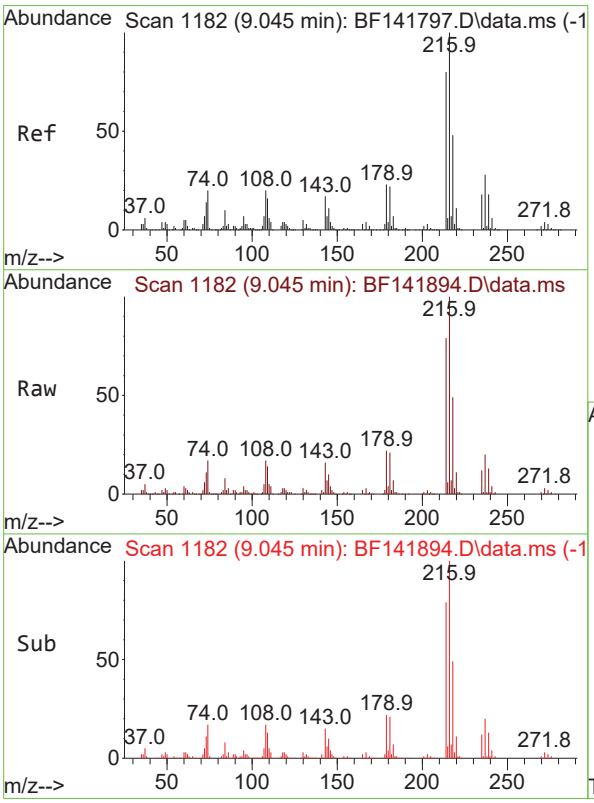
Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.6	120.8
160	45.1	36.3	54.5



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

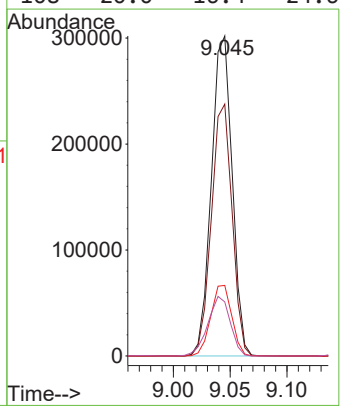
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

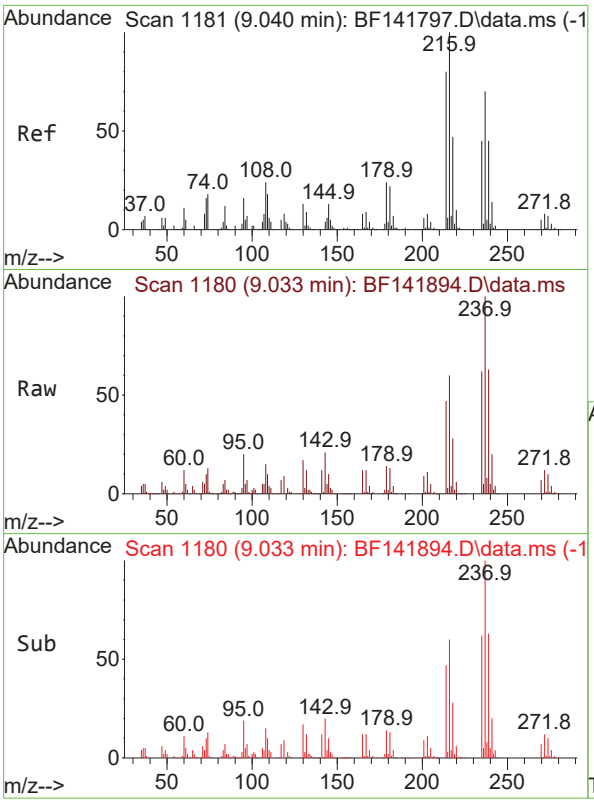


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.489 ng
RT: 9.045 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:216 Resp: 384500

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.5	95.3
179	22.4	18.1	27.1
108	20.0	16.4	24.6

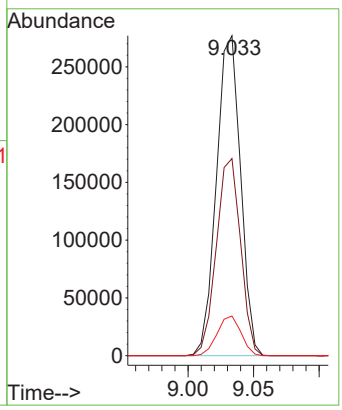




#41
Hexachlorocyclopentadiene
Concen: 111.510 ng
RT: 9.033 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:237 Resp: 35439

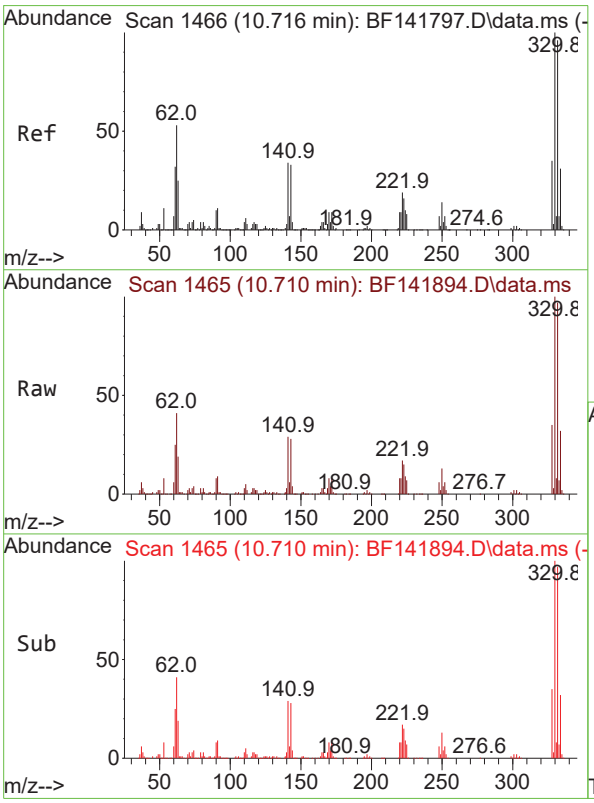
Ion	Ratio	Lower	Upper
237	100		
235	61.6	43.3	83.3
272	12.4	0.0	31.9



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

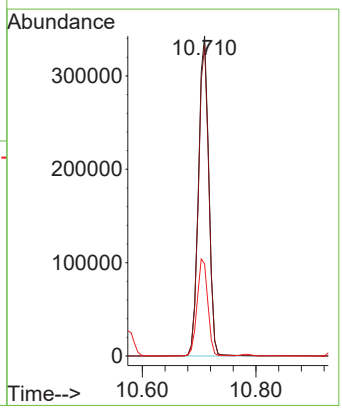
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

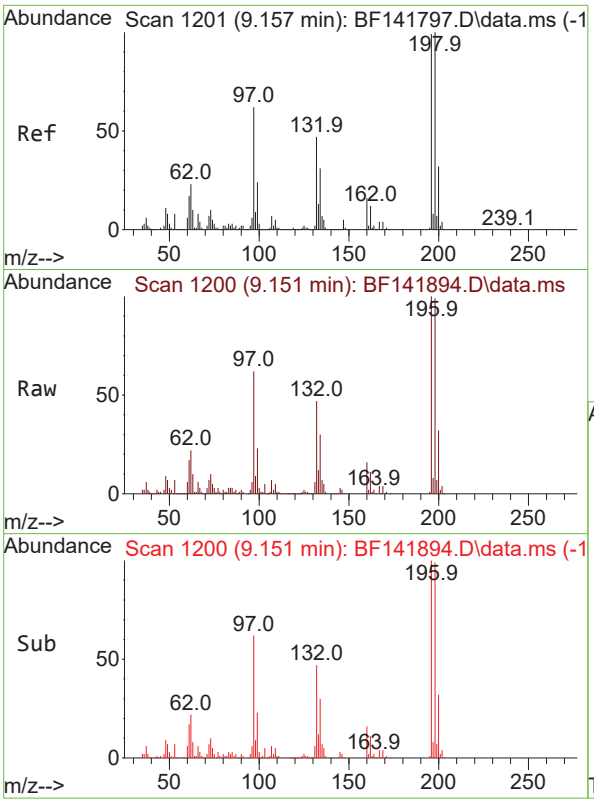


#42
2,4,6-Tribromophenol
Concen: 174.746 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:330 Resp: 432585

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.6	115.0
141	31.4	29.0	43.4

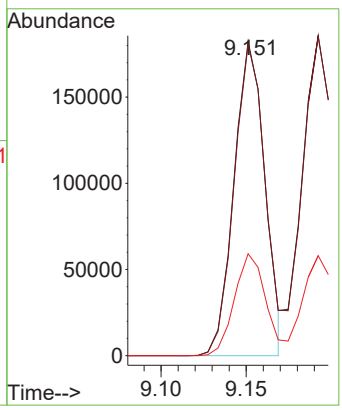




#43
2,4,6-Trichlorophenol
Concen: 46.600 ng
RT: 9.151 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:196 Resp: 22924

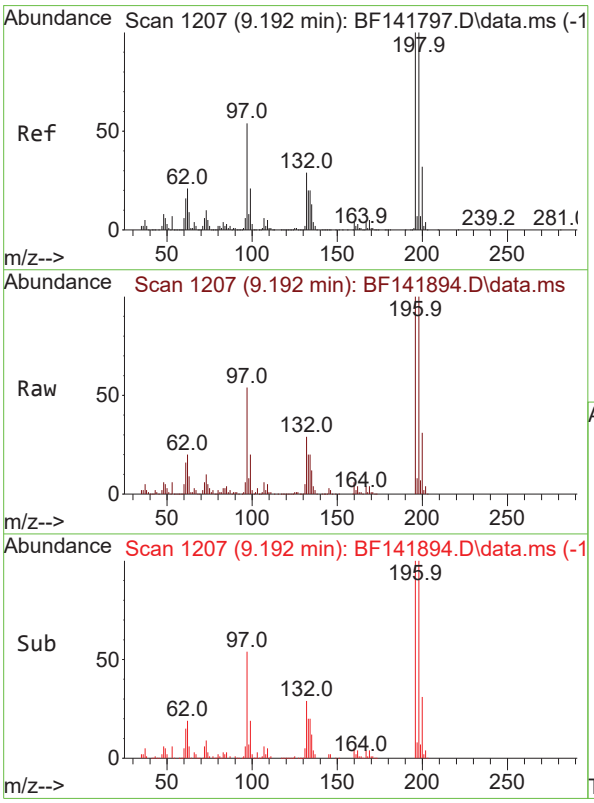
Ion	Ratio	Lower	Upper
196	100		
198	99.1	80.4	120.6
200	32.4	25.7	38.5



Instrument :
BNA_F
ClientSampleId :
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Manual Integrations
APPROVED

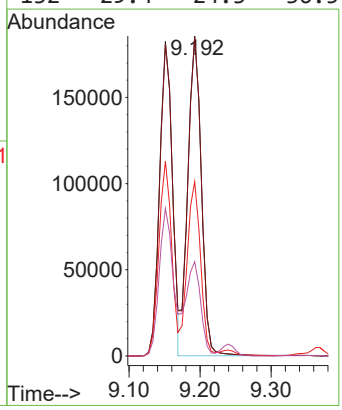
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

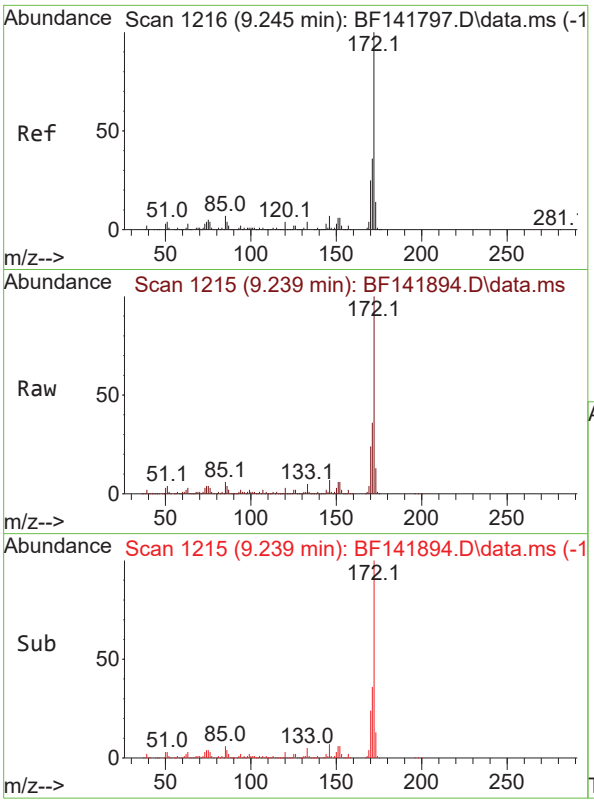


#44
2,4,5-Trichlorophenol
Concen: 50.318 ng
RT: 9.192 min Scan# 1207
Delta R.T. -0.000 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:196 Resp: 245109

Ion	Ratio	Lower	Upper
196	100		
198	99.7	79.7	119.5
97	54.5	44.2	66.2
132	29.4	24.3	36.5

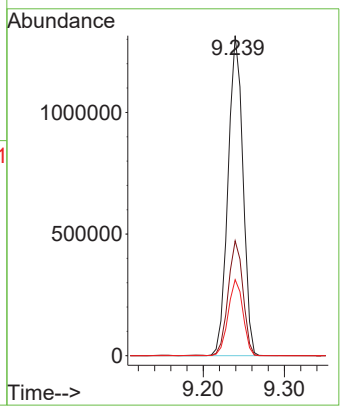




#45
2-Fluorobiphenyl
Concen: 102.015 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:172 Resp: 167761

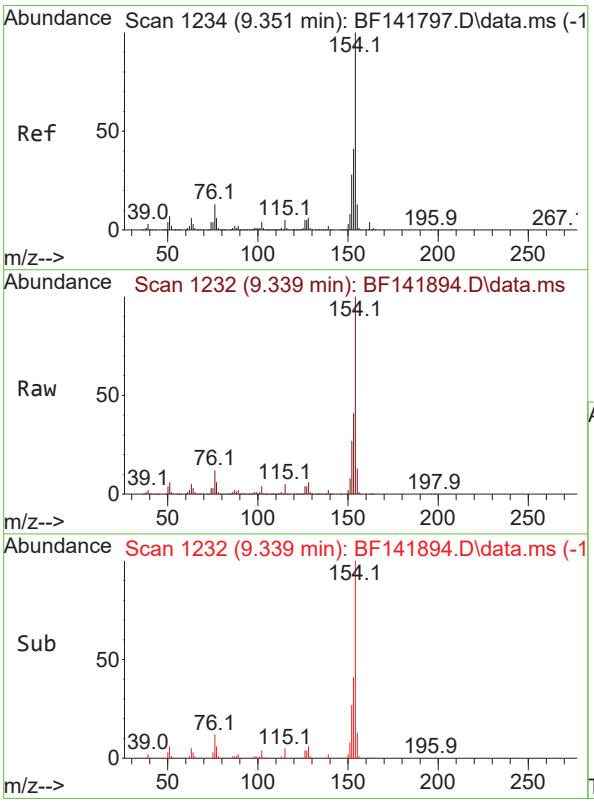
Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.2	43.8
170	23.8	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

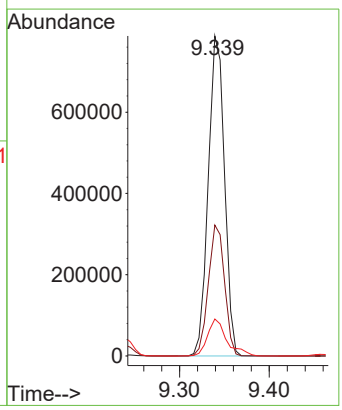
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

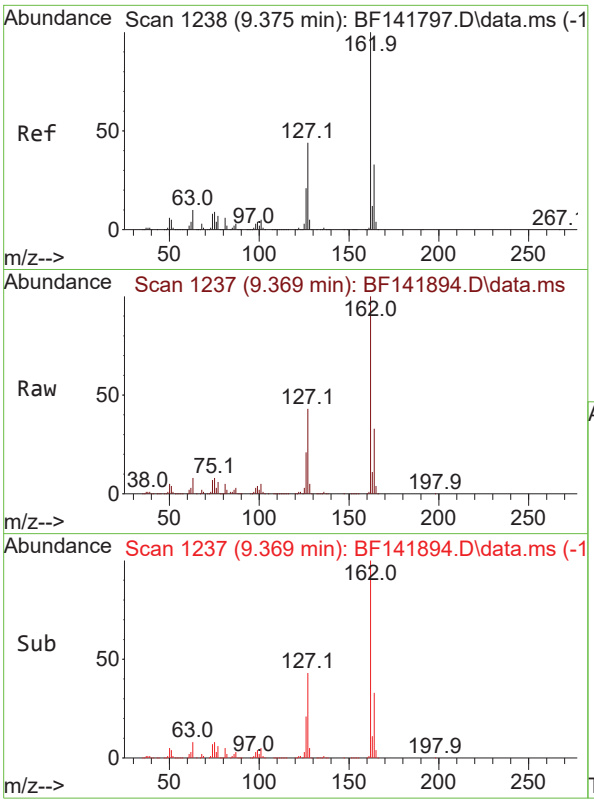


#46
1,1'-Biphenyl
Concen: 49.276 ng
RT: 9.339 min Scan# 1232
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:154 Resp: 988985

Ion	Ratio	Lower	Upper
154	100		
153	40.9	21.4	61.4
76	11.5	0.0	33.4

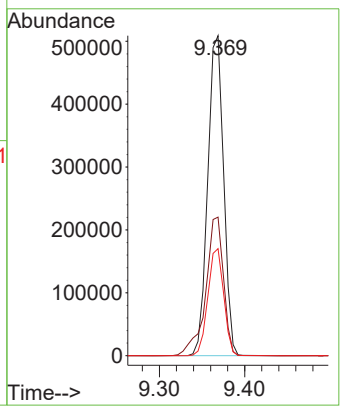




#47
2-Chloronaphthalene
Concen: 44.493 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:162 Resp: 65910

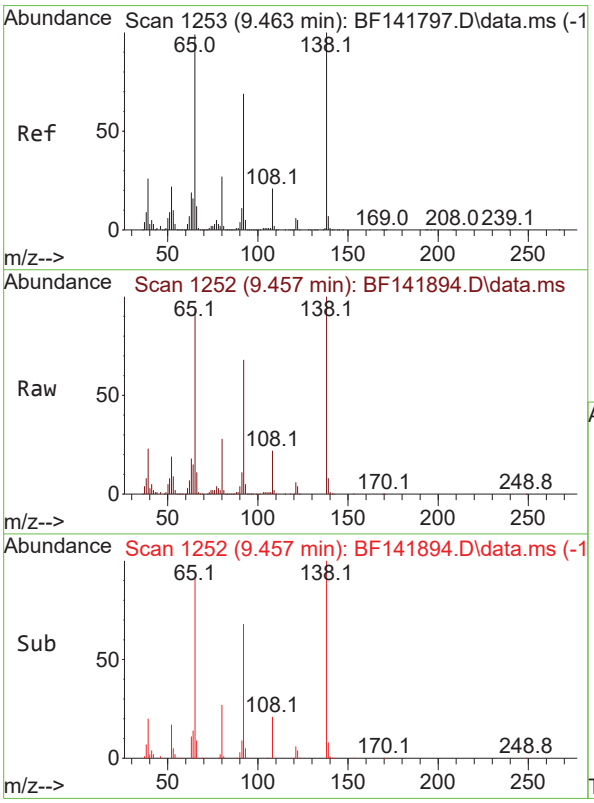
Ion	Ratio	Lower	Upper
162	100		
127	43.3	35.0	52.6
164	33.4	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

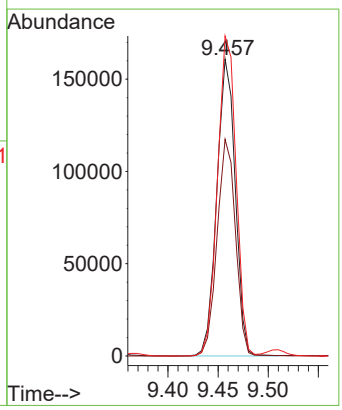
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

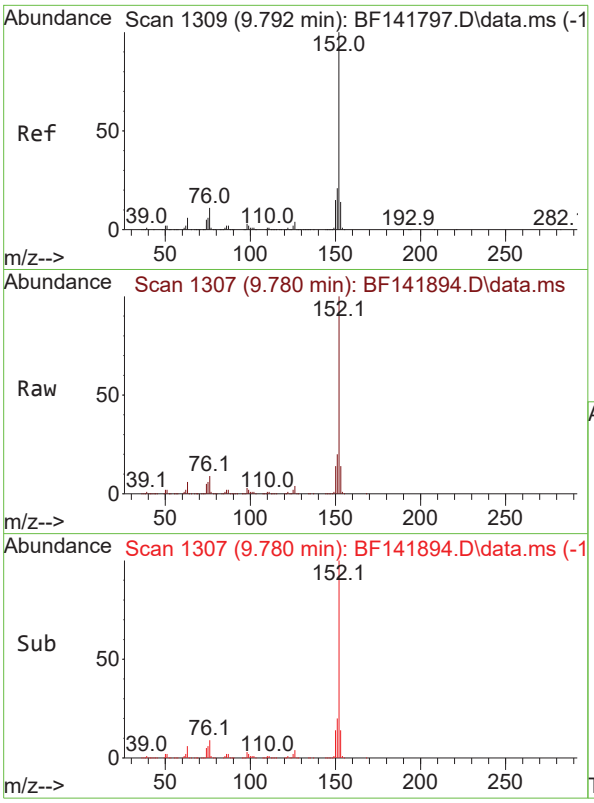


#48
2-Nitroaniline
Concen: 50.590 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion: 65 Resp: 206180

Ion	Ratio	Lower	Upper
65	100		
92	72.9	55.7	83.5
138	107.8	80.6	121.0

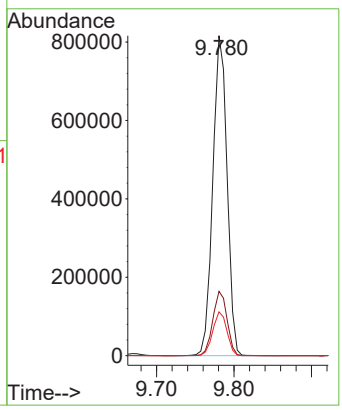




#49
Acenaphthylene
Concen: 46.864 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:152 Resp: 104085

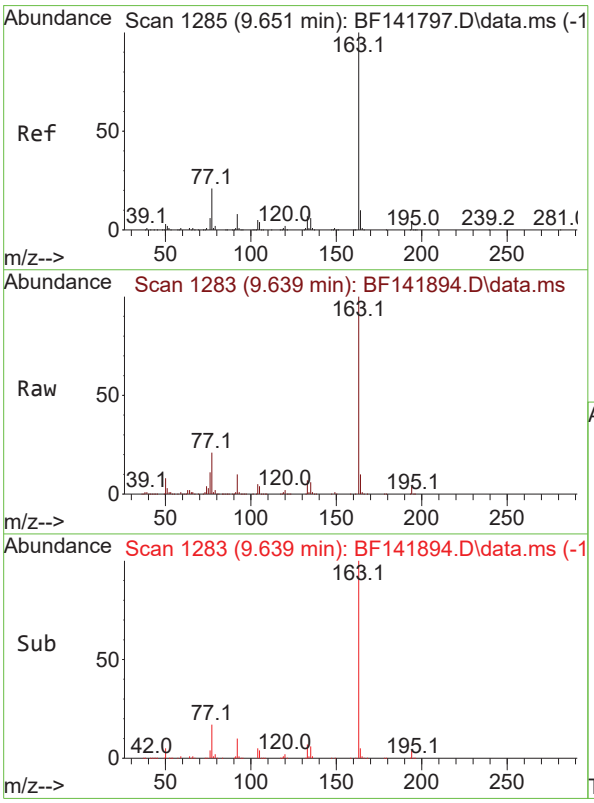
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.6	24.8
153	13.7	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

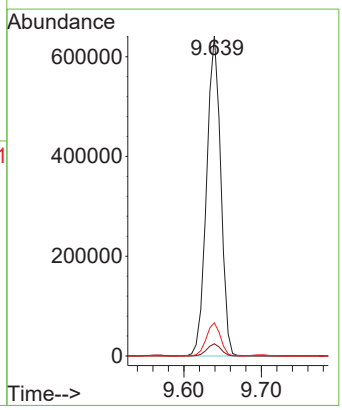
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

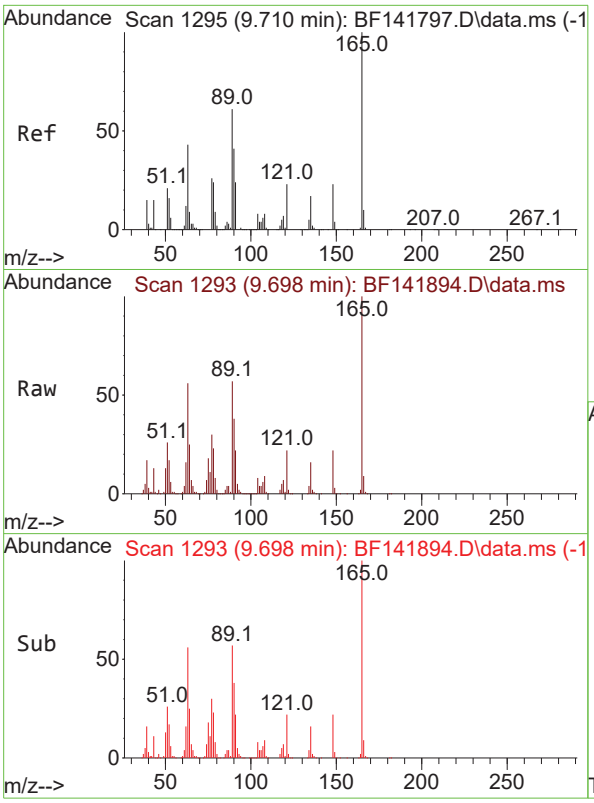


#50
Dimethylphthalate
Concen: 46.025 ng
RT: 9.639 min Scan# 1283
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:163 Resp: 812721

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.3	8.4	12.6





#51
2,6-Dinitrotoluene
Concen: 51.654 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

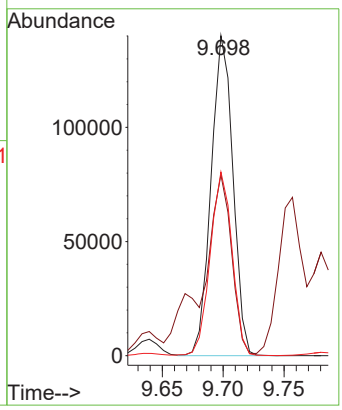
Tgt Ion:165 Resp: 17526

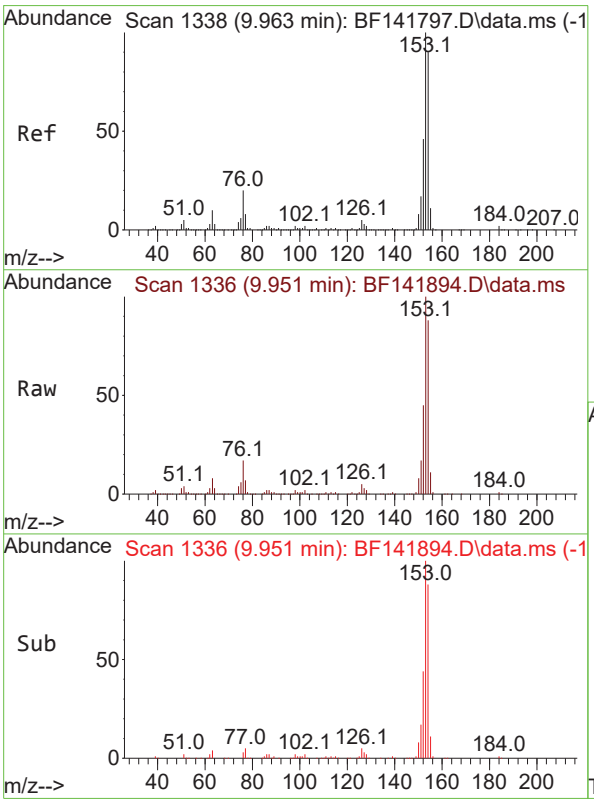
Ion	Ratio	Lower	Upper
165	100		
63	56.5	49.5	74.3
89	57.4	49.0	73.4

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

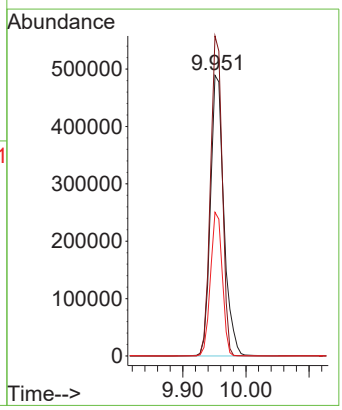


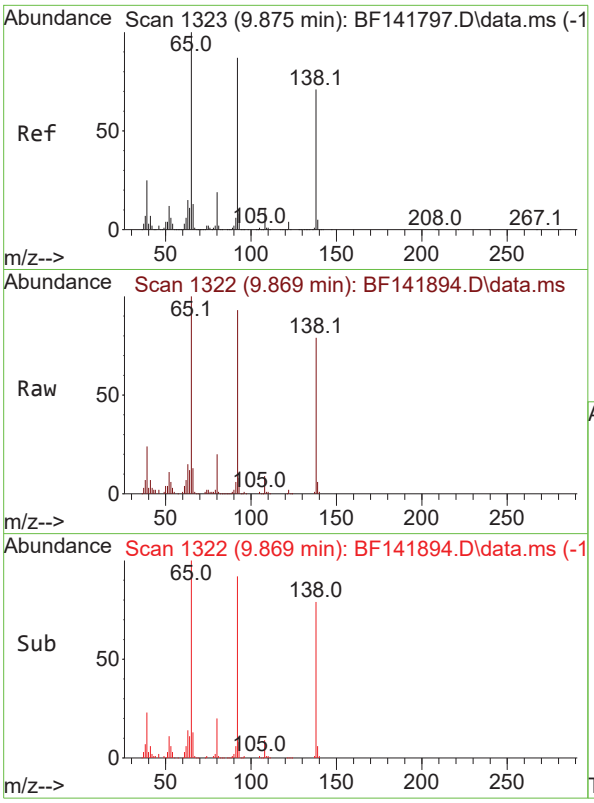


#52
Acenaphthene
Concen: 48.198 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:154 Resp: 722307

Ion	Ratio	Lower	Upper
154	100		
153	114.0	88.7	133.1
152	51.2	40.9	61.3





#53
3-Nitroaniline
Concen: 28.372 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

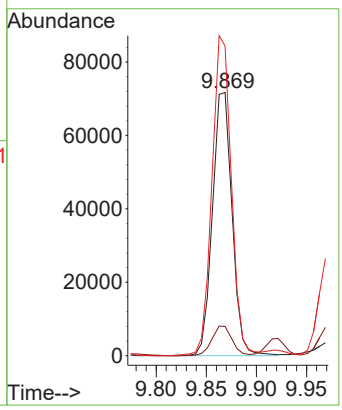
Tgt Ion:138 Resp: 9743

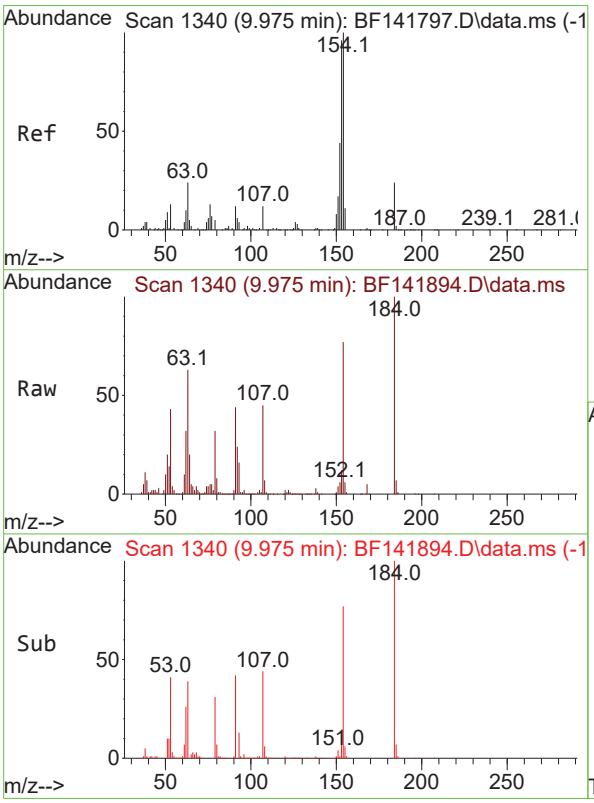
Ion	Ratio	Lower	Upper
138	100		
108	11.1	12.7	19.1#
92	117.7	97.9	146.9

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

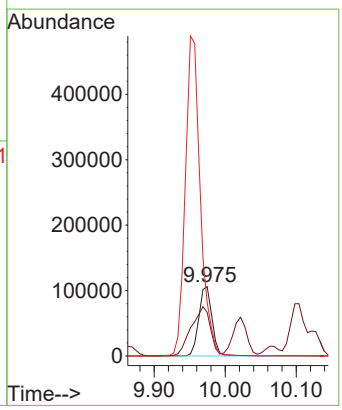


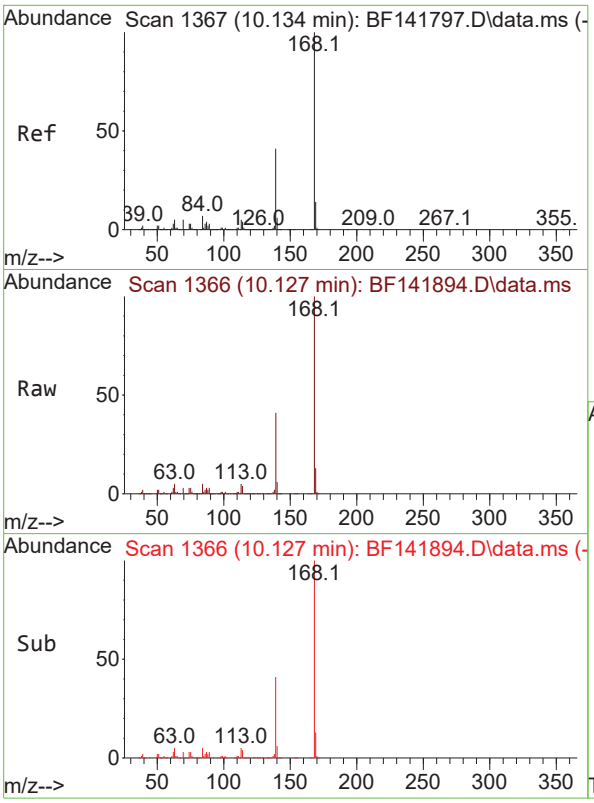


#54
2,4-Dinitrophenol
Concen: 86.130 ng
RT: 9.975 min Scan# 1340
Delta R.T. -0.000 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:184 Resp: 137236

Ion	Ratio	Lower	Upper
184	100		
63	62.8	79.0	118.6#
154	77.2	335.8	503.8#





#55
Dibenzofuran
Concen: 42.813 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

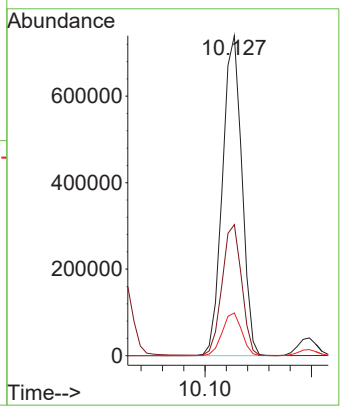
Tgt Ion:168 Resp: 93386

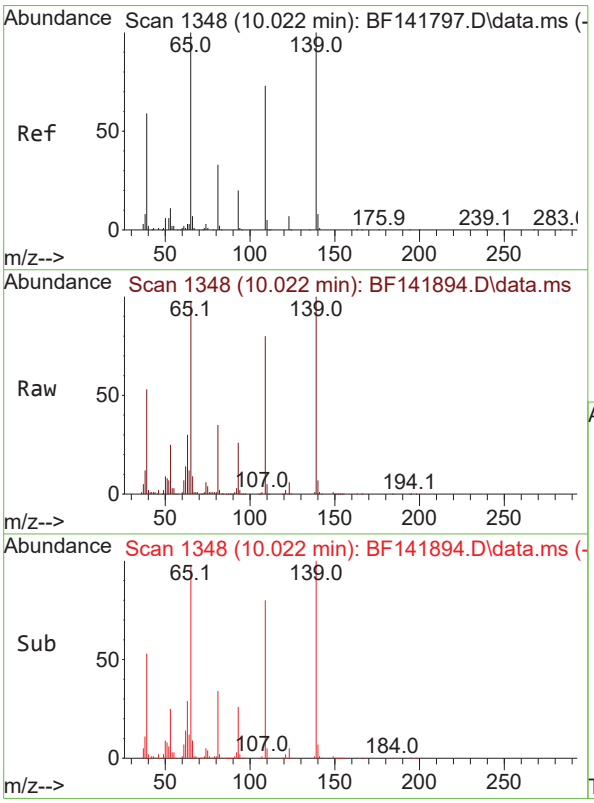
Ion	Ratio	Lower	Upper
168	100		
139	41.0	32.9	49.3
169	13.3	11.1	16.7

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

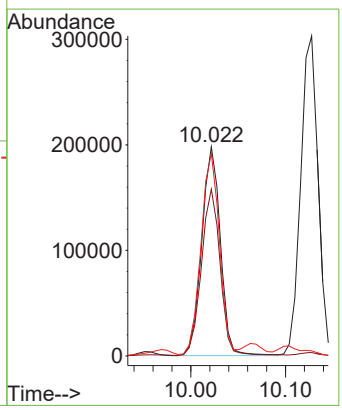


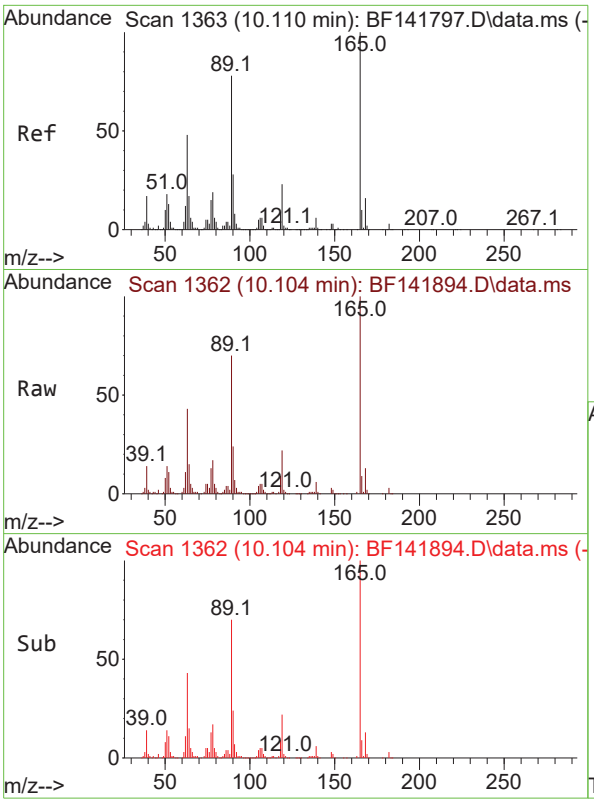


#56
4-Nitrophenol
Concen: 103.815 ng
RT: 10.022 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:139 Resp: 270754

Ion	Ratio	Lower	Upper
139	100		
109	79.7	53.4	93.4
65	96.8	82.1	122.1

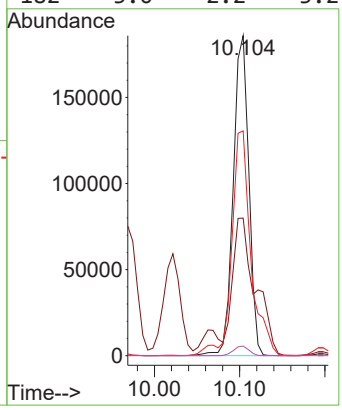




#57
2,4-Dinitrotoluene
Concen: 56.481 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:165 Resp: 23582

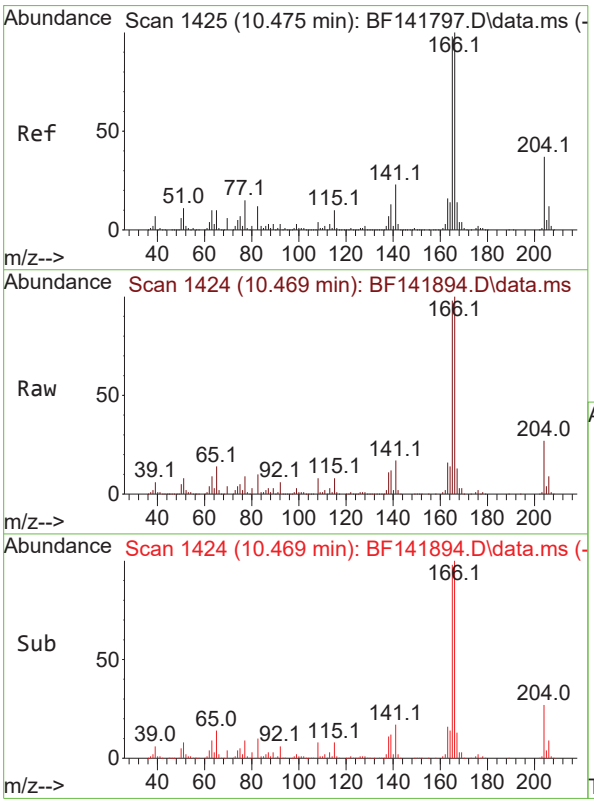
Ion	Ratio	Lower	Upper
165	100		
63	43.0	38.8	58.2
89	70.2	62.6	94.0
182	3.0	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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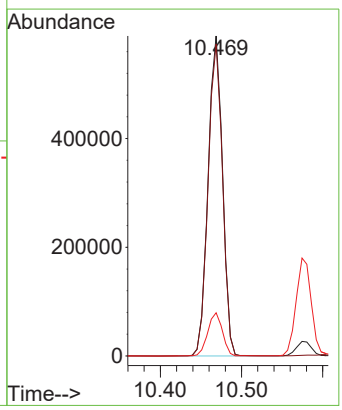
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

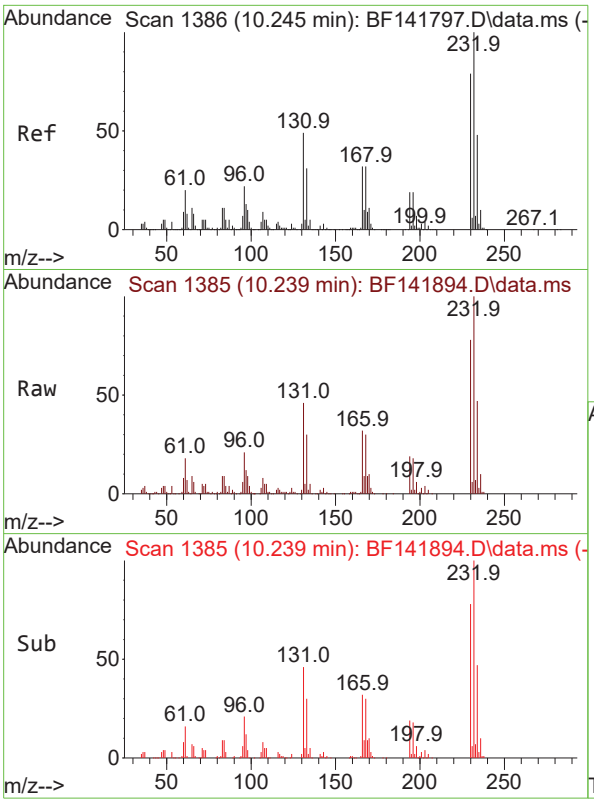


#58
Fluorene
Concen: 44.469 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:166 Resp: 726575

Ion	Ratio	Lower	Upper
166	100		
165	97.5	78.6	117.8
167	13.5	11.0	16.4

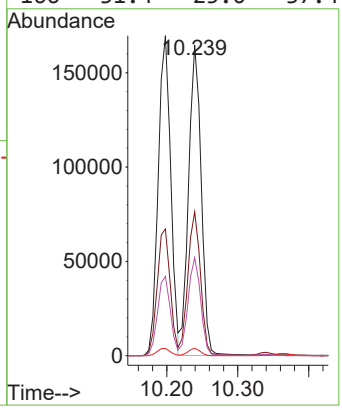




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.200 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:232 Resp: 20420

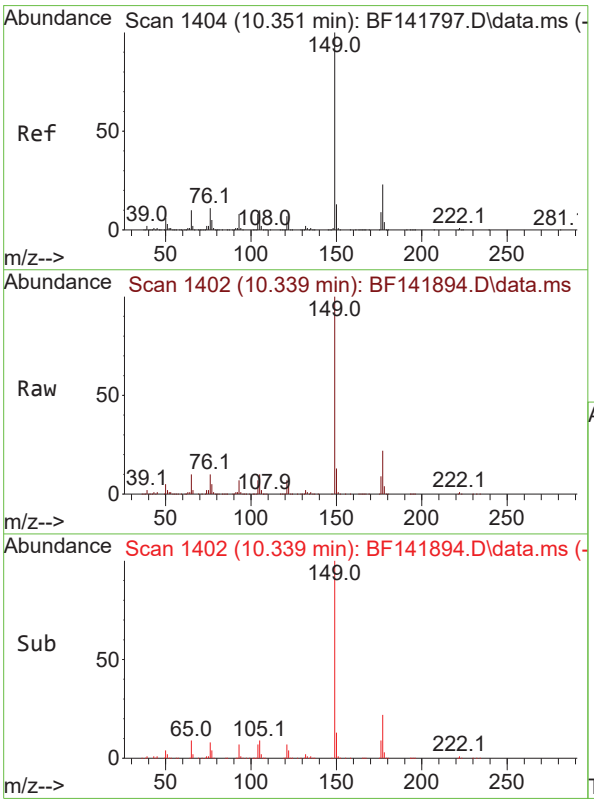
Ion	Ratio	Lower	Upper
232	100		
131	46.4	37.8	56.8
130	2.3	2.0	3.0
166	31.4	25.0	37.4



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

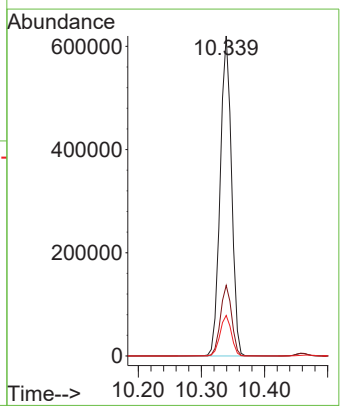
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

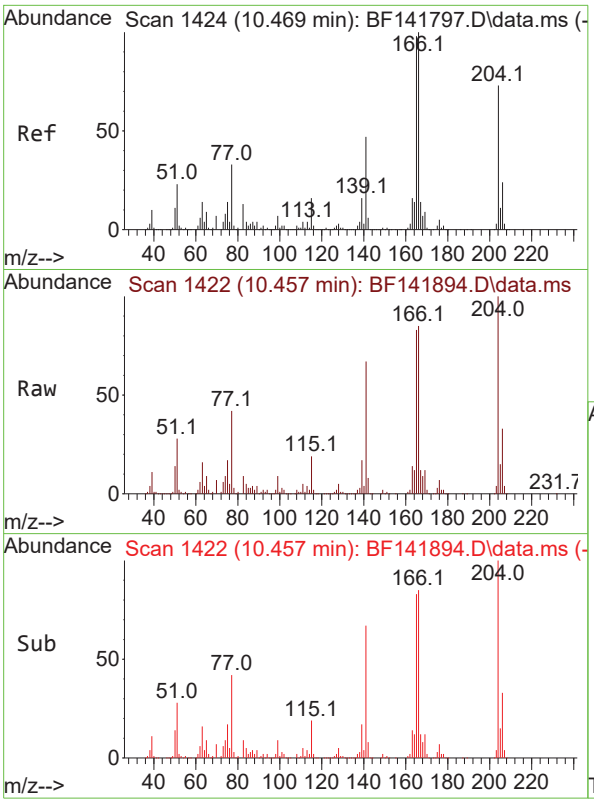


#60
Diethylphthalate
Concen: 43.812 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:149 Resp: 775577

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.3	27.5
150	12.7	10.3	15.5





#61
4-Chlorophenyl-phenylether
Concen: 44.949 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

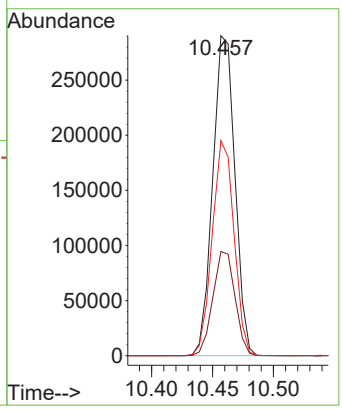
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

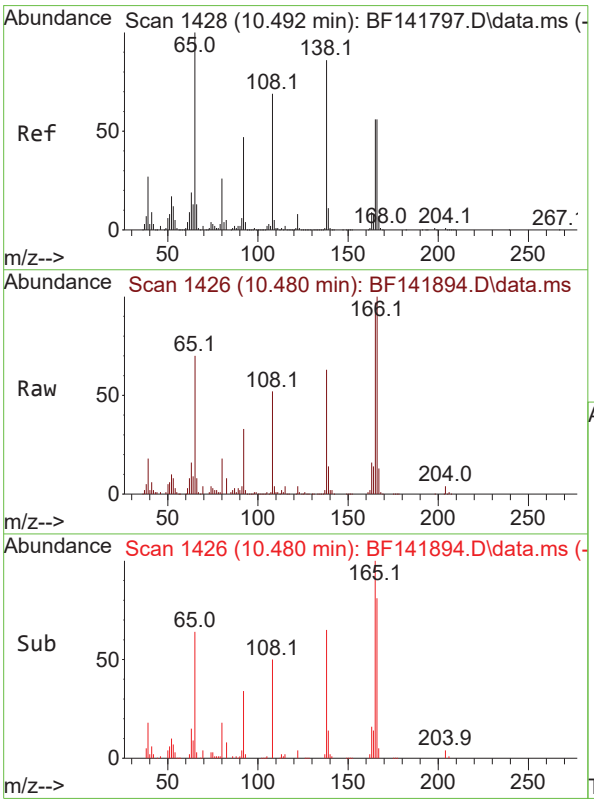
Tgt Ion:204 Resp: 36796

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.2	39.4
141	67.2	51.7	77.5

Manual Integrations
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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

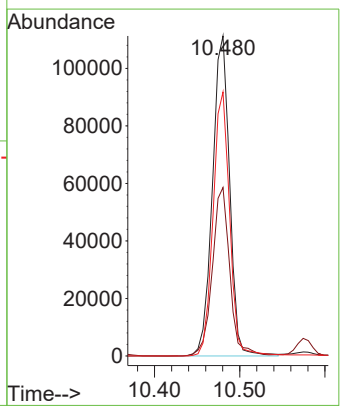


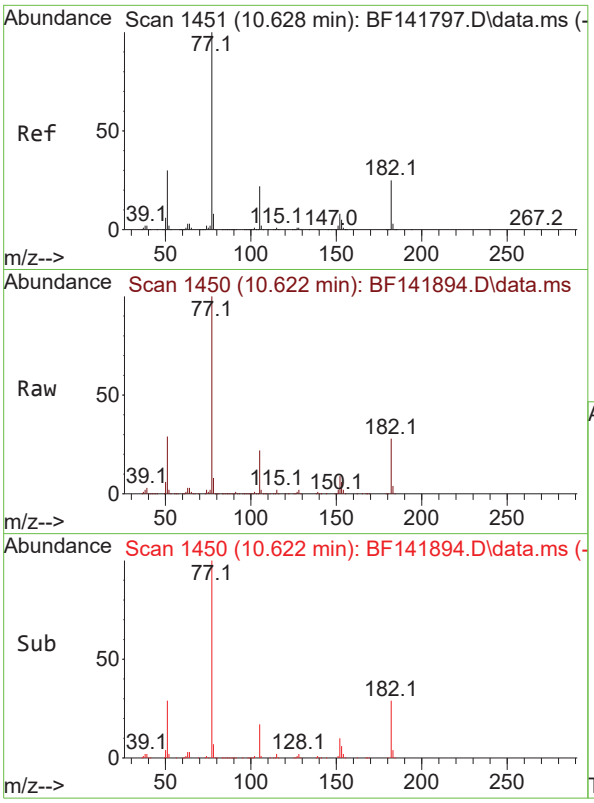


#62
4-Nitroaniline
Concen: 51.746 ng
RT: 10.480 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:138 Resp: 156047

Ion	Ratio	Lower	Upper
138	100		
92	52.7	34.9	74.9
108	82.5	59.6	99.6





#63
Azobenzene
Concen: 37.853 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

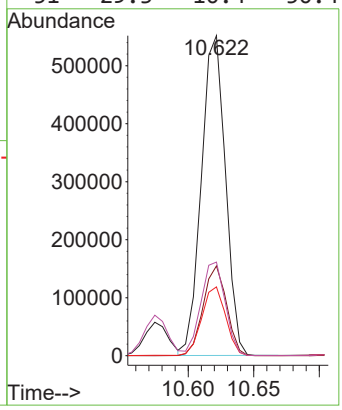
Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

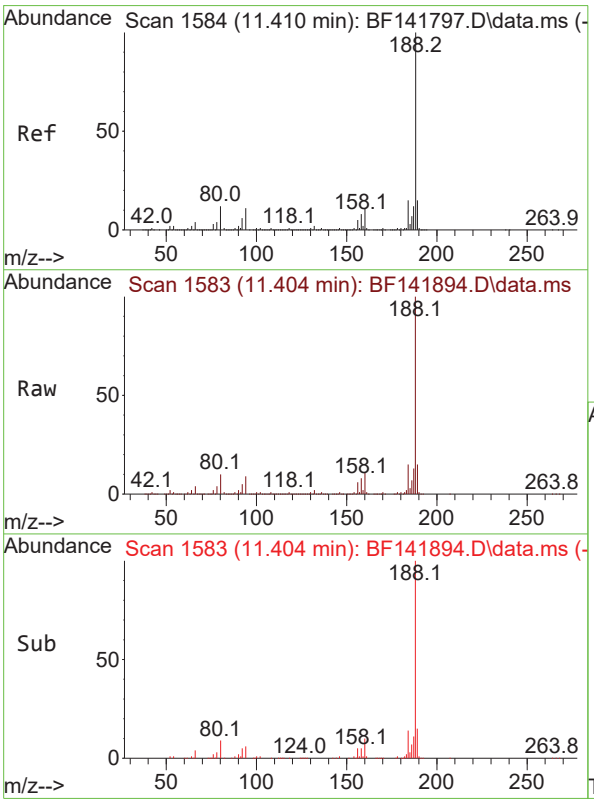
Tgt Ion: 77 Resp: 70554

Ion	Ratio	Lower	Upper
77	100		
182	28.0	4.2	44.2
105	21.5	1.5	41.5
51	29.3	10.4	50.4

Manual Integrations
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Supervised By :Jagrut Upadhyay 03/10/2025

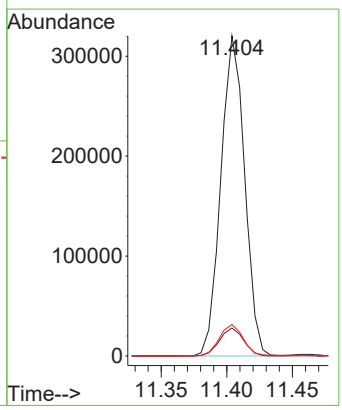


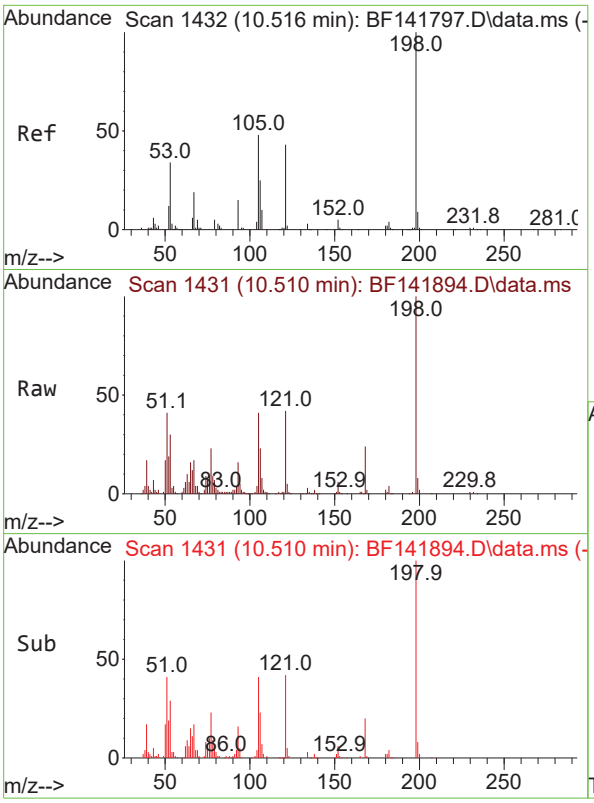


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:188 Resp: 403770

Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.9	13.3#
80	9.9	9.7	14.5

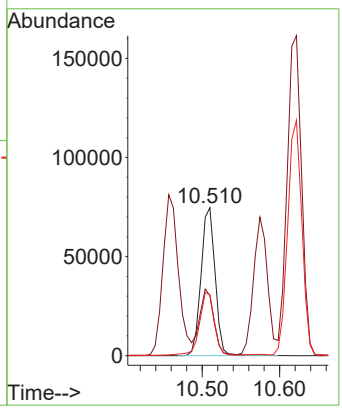




#65
4,6-Dinitro-2-methylphenol
Concen: 49.429 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:198 Resp: 9453

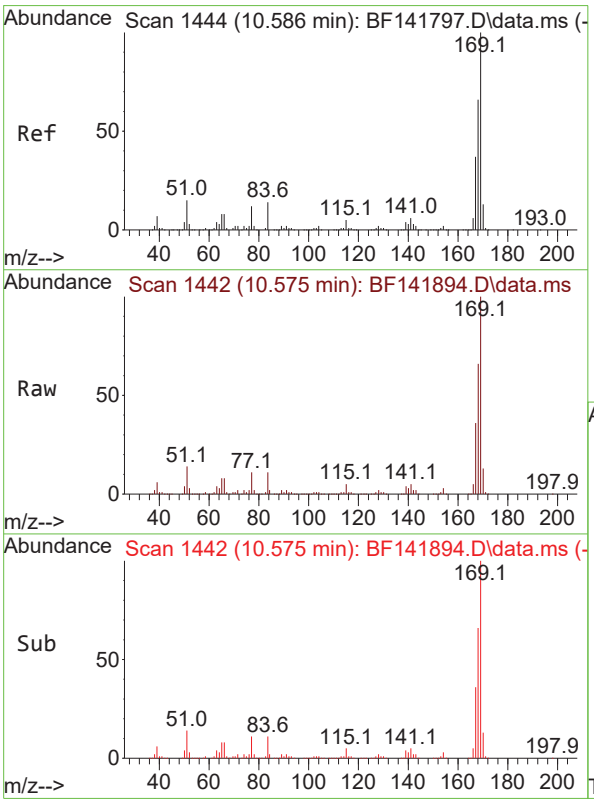
Ion	Ratio	Lower	Upper
198	100		
51	40.8	32.1	72.1
105	41.2	28.5	68.5



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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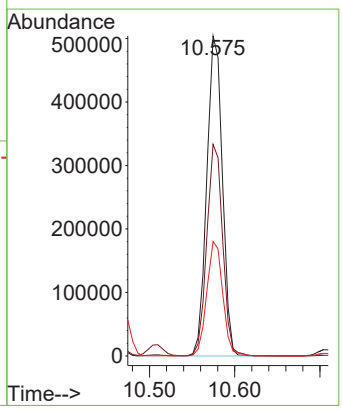
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

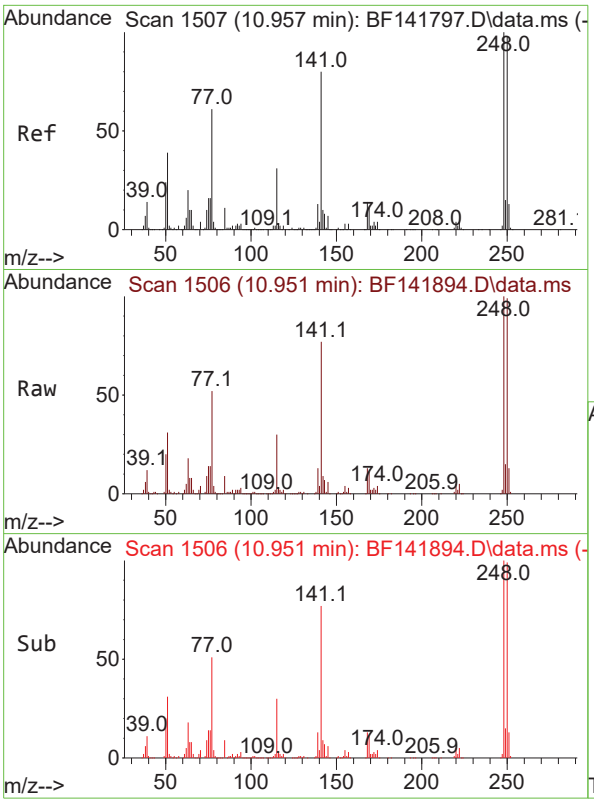


#66
n-Nitrosodiphenylamine
Concen: 48.289 ng
RT: 10.575 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:169 Resp: 640239

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.0	79.6
167	35.8	29.3	43.9





#67
4-Bromophenyl-phenylether
Concen: 47.191 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

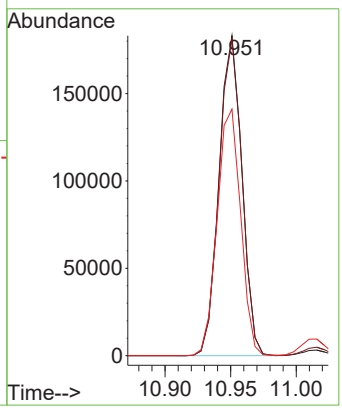
Tgt Ion:248 Resp: 22256

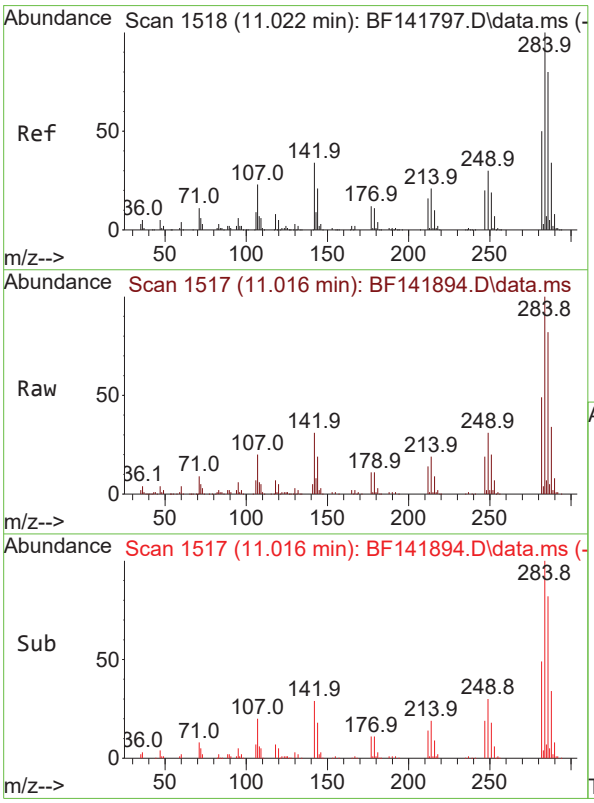
Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.1	117.1
141	77.1	64.3	96.5

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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Reviewed By :Anahy Claudio 03/10/2025
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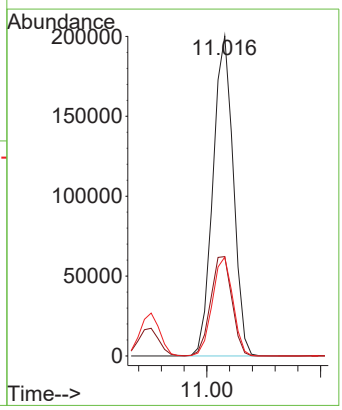


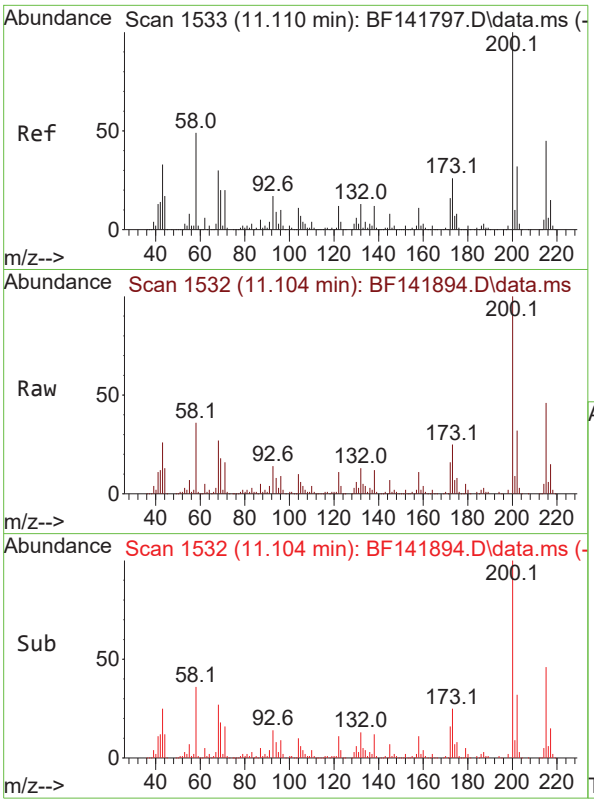


#68
Hexachlorobenzene
Concen: 49.968 ng
RT: 11.016 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:284 Resp: 248851

Ion	Ratio	Lower	Upper
284	100		
142	31.1	28.2	42.2
249	30.9	25.5	38.3

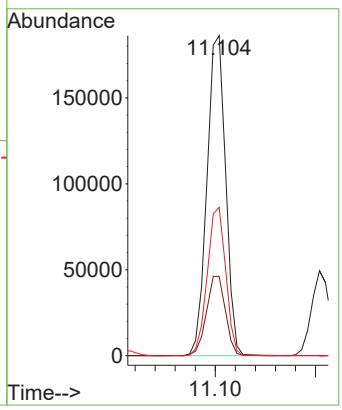




#69
Atrazine
Concen: 66.347 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:200 Resp: 24190

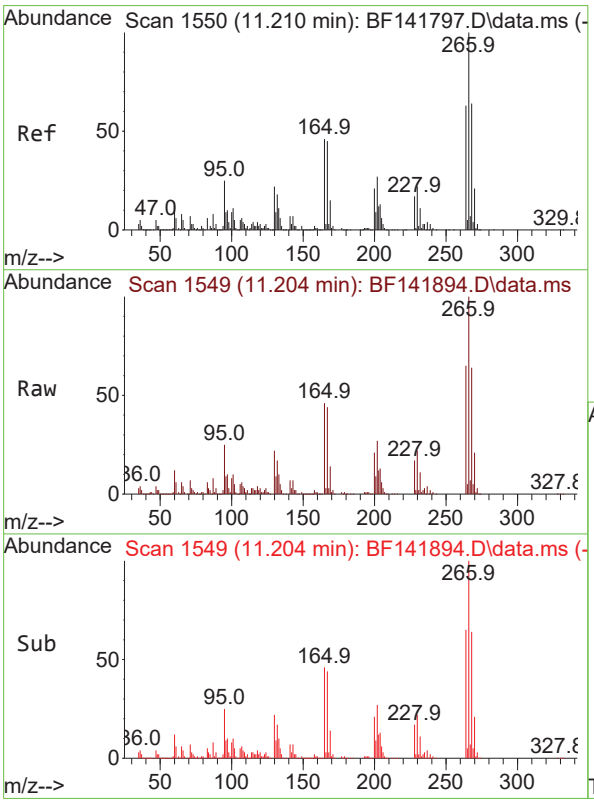
Ion	Ratio	Lower	Upper
200	100		
173	24.8	5.6	45.6
215	46.4	25.3	65.3



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

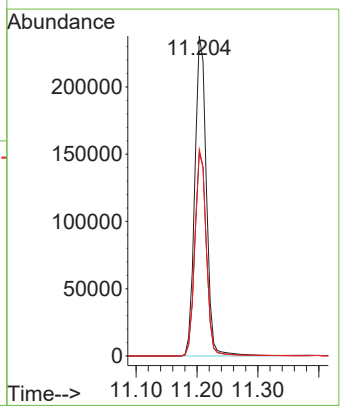
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

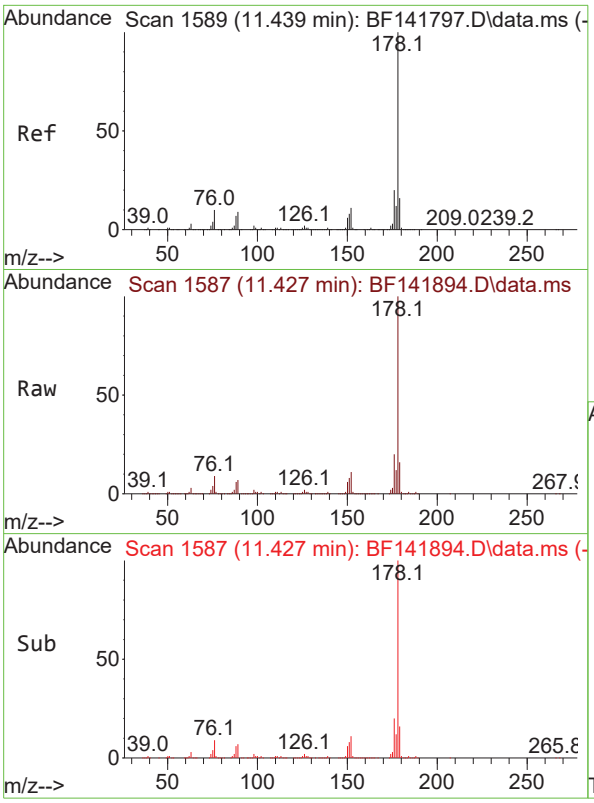


#70
Pentachlorophenol
Concen: 99.142 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:266 Resp: 313151

Ion	Ratio	Lower	Upper
266	100		
268	63.7	50.9	76.3
264	64.5	50.2	75.4

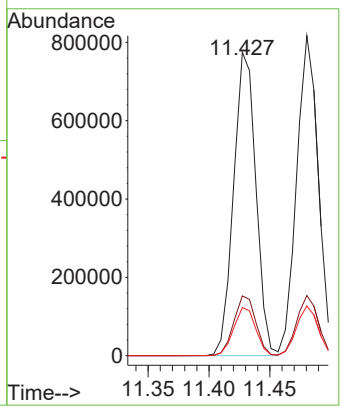




#71
Phenanthrene
Concen: 45.709 ng
RT: 11.427 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:178 Resp: 98720

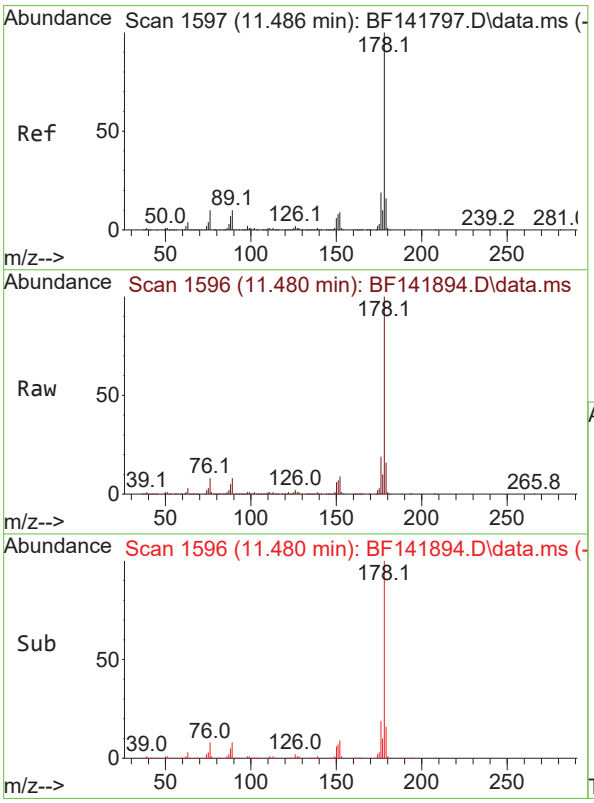
Ion	Ratio	Lower	Upper
178	100		
176	19.7	16.0	24.0
179	15.9	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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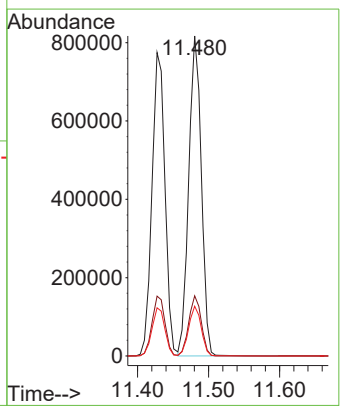
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

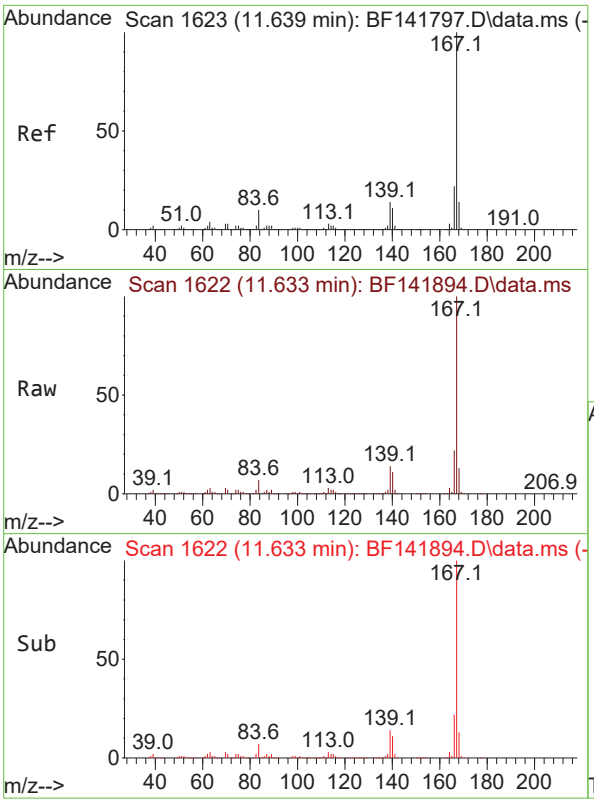


#72
Anthracene
Concen: 46.598 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:178 Resp: 1008649

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.6	12.8	19.2

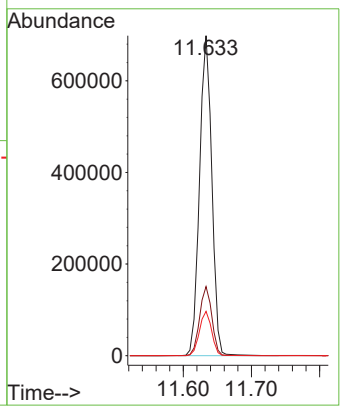




#73
Carbazole
Concen: 45.671 ng
RT: 11.633 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:167 Resp: 87300

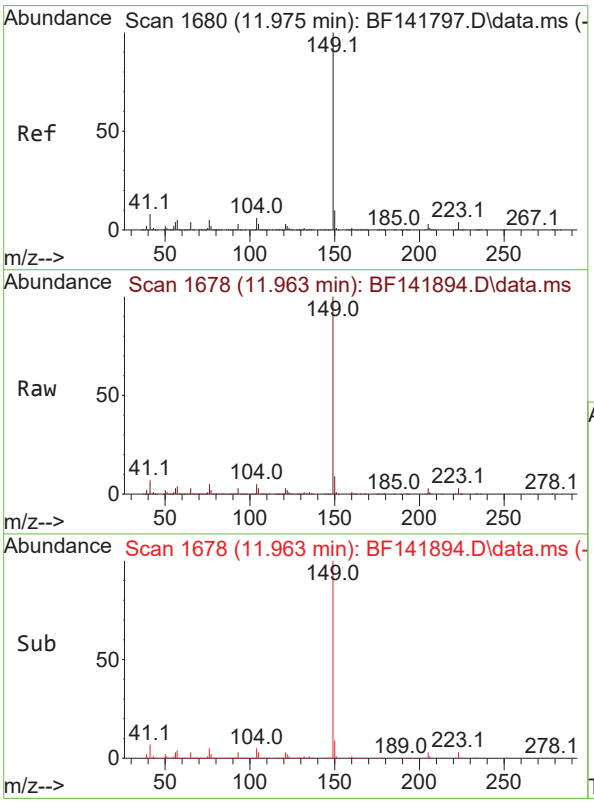
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	13.8	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

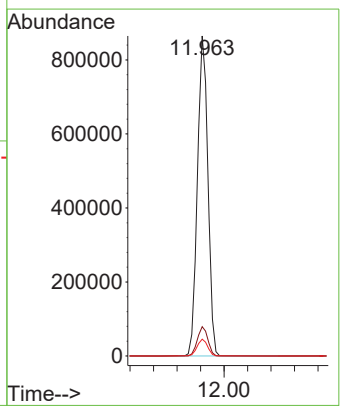
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

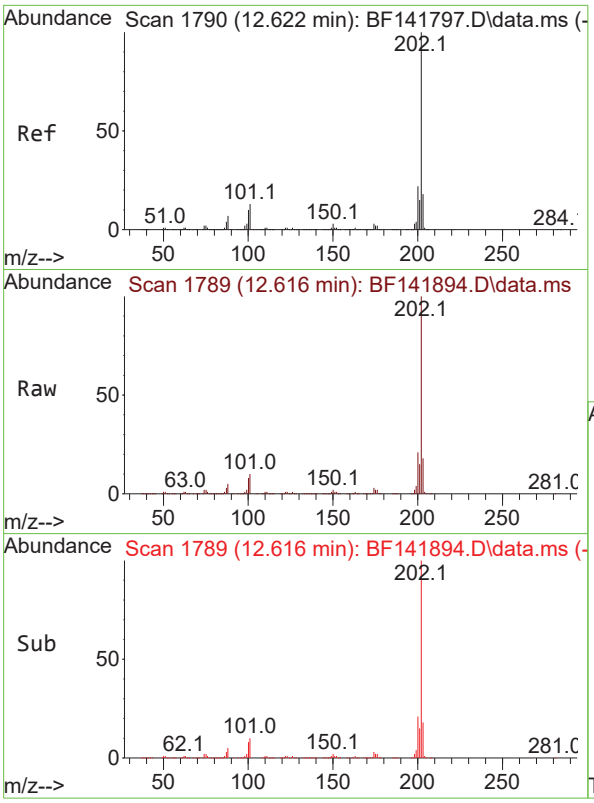


#74
Di-n-butylphthalate
Concen: 44.102 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:149 Resp: 1068561

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.7	11.5
104	5.2	4.4	6.6

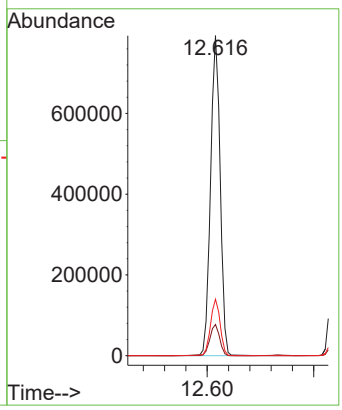




#75
Fluoranthene
Concen: 44.797 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:202 Resp: 99136

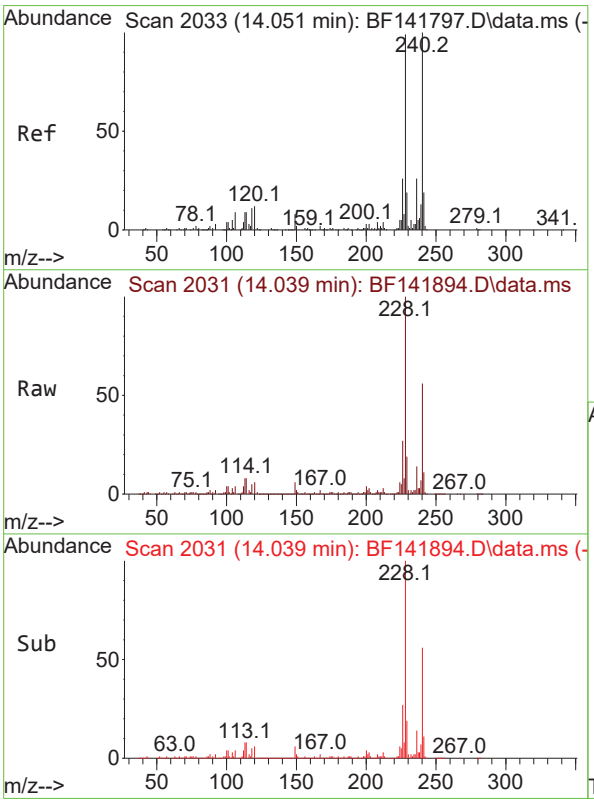
Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	32.8
203	17.7	0.0	38.0



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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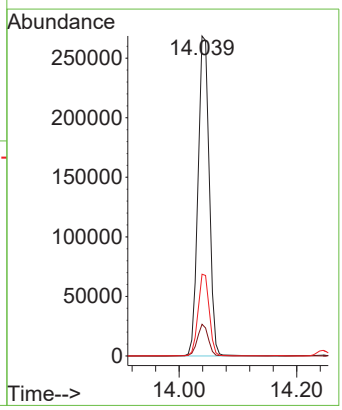
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

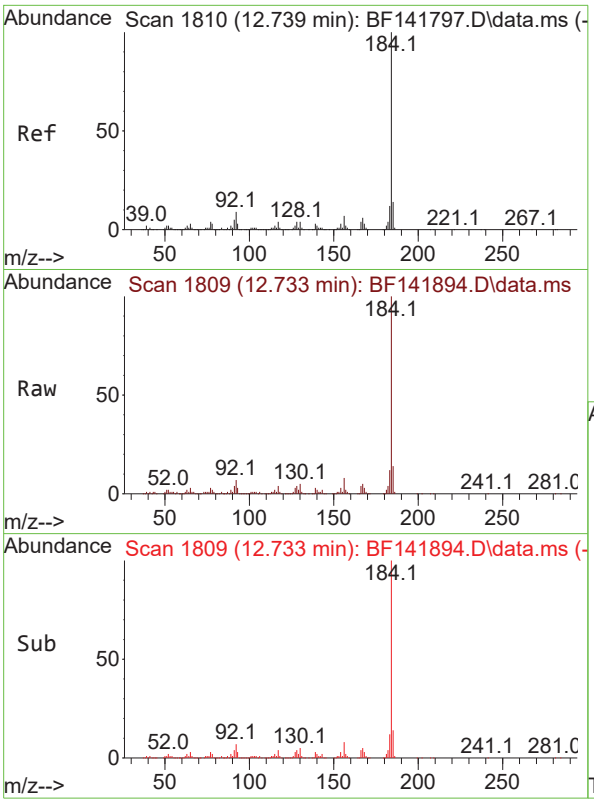


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:240 Resp: 354164

Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.7	14.5
236	25.6	21.0	31.4

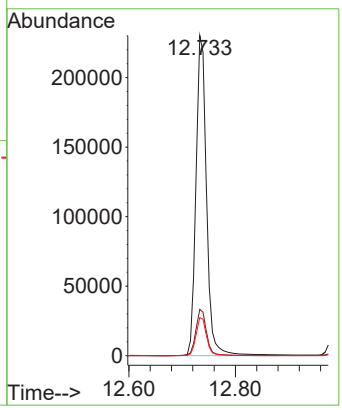




#77
Benzidine
Concen: 71.385 ng
RT: 12.733 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:184 Resp: 31821

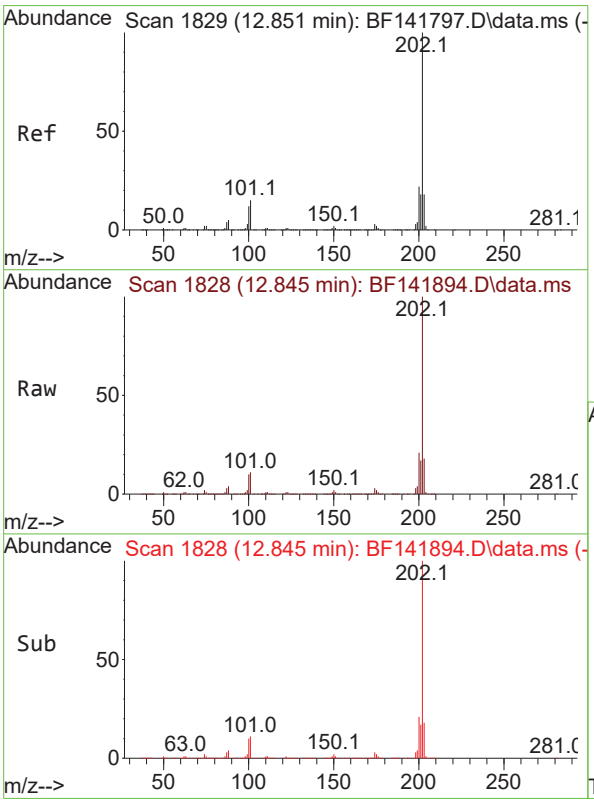
Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.6	17.4
183	11.9	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
APPROVED

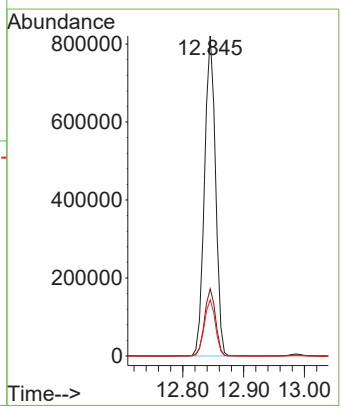
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

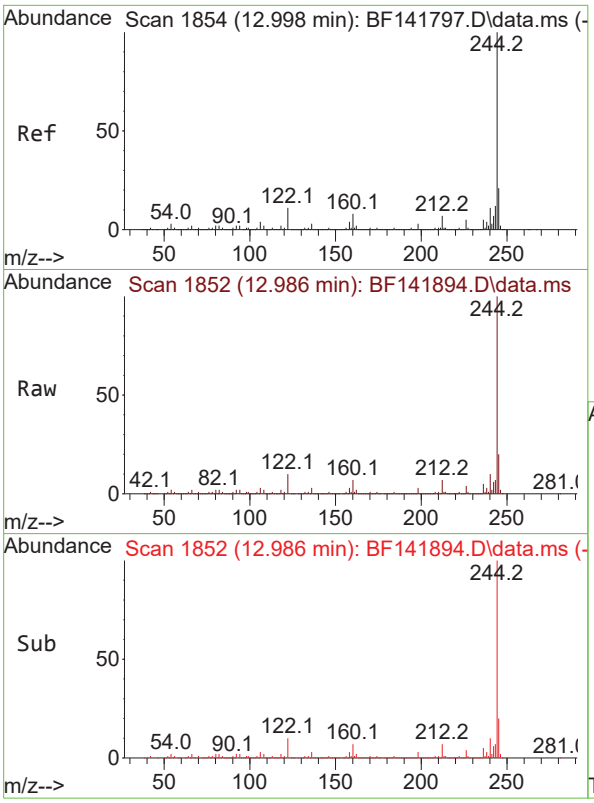


#78
Pyrene
Concen: 33.615 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:202 Resp: 1030931

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.0
203	17.5	14.6	22.0

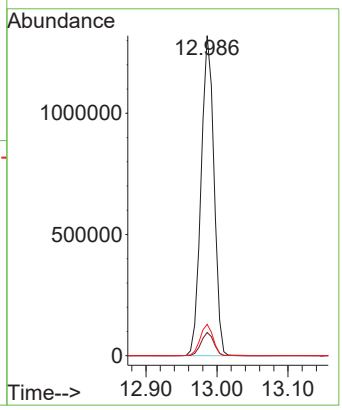




#79
Terphenyl-d14
Concen: 76.452 ng
RT: 12.986 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:244 Resp: 167354

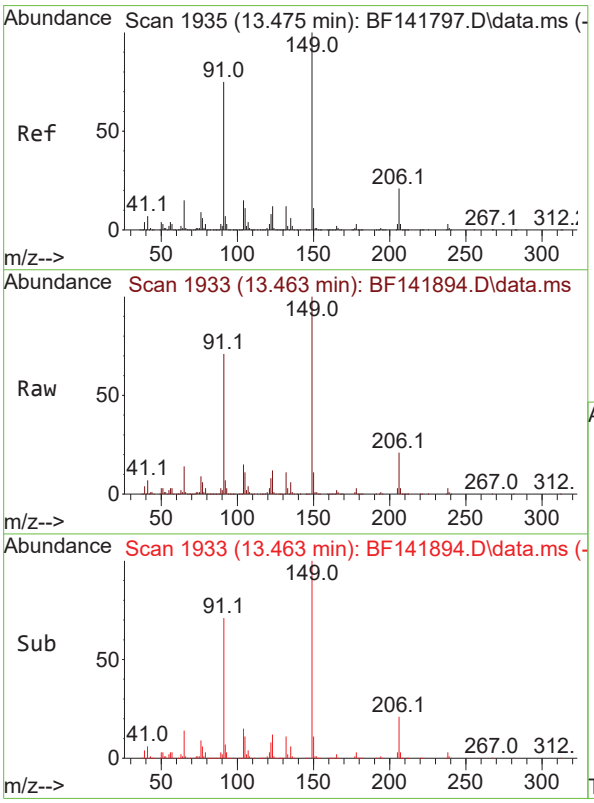
Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	9.8	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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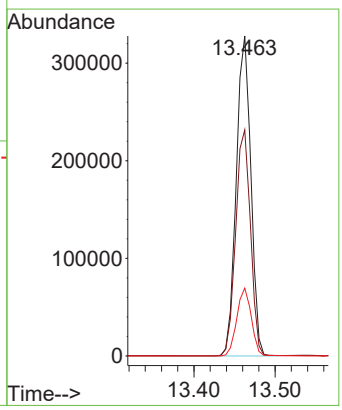
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

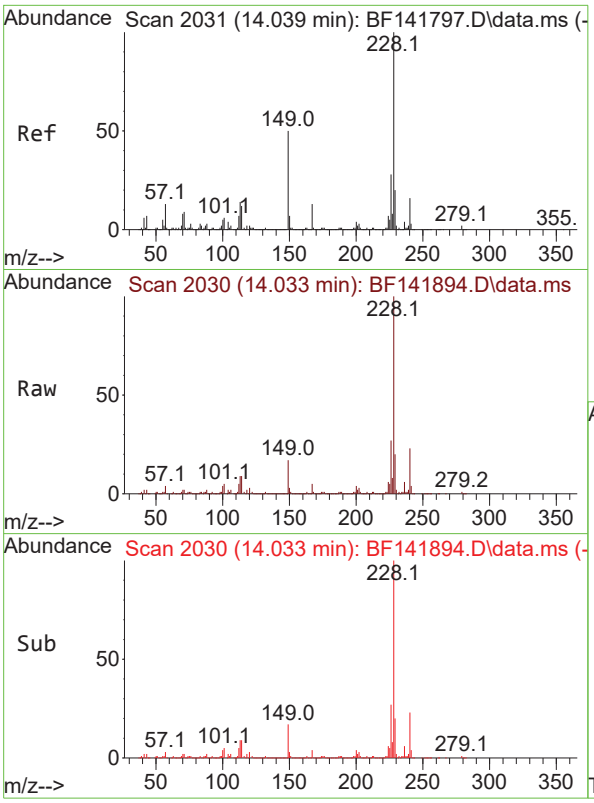


#80
Butylbenzylphthalate
Concen: 36.632 ng
RT: 13.463 min Scan# 1933
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:149 Resp: 408177

Ion	Ratio	Lower	Upper
149	100		
91	70.6	60.1	90.1
206	21.2	16.8	25.2





#81
Benzo(a)anthracene
Concen: 45.175 ng
RT: 14.033 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

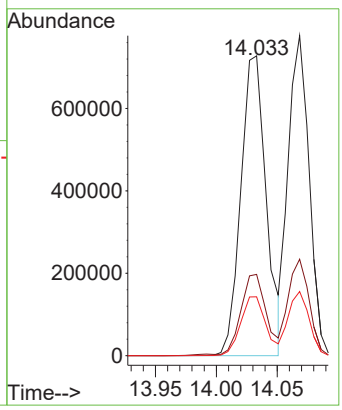
Tgt Ion:228 Resp: 105678

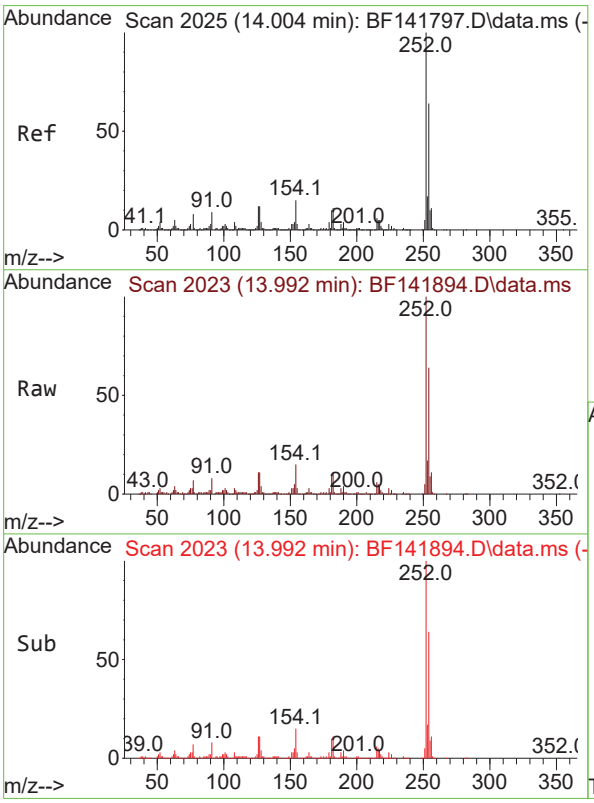
Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	19.6	16.1	24.1

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

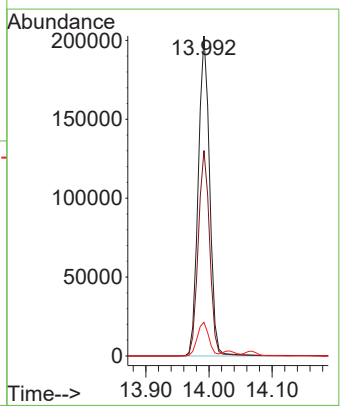


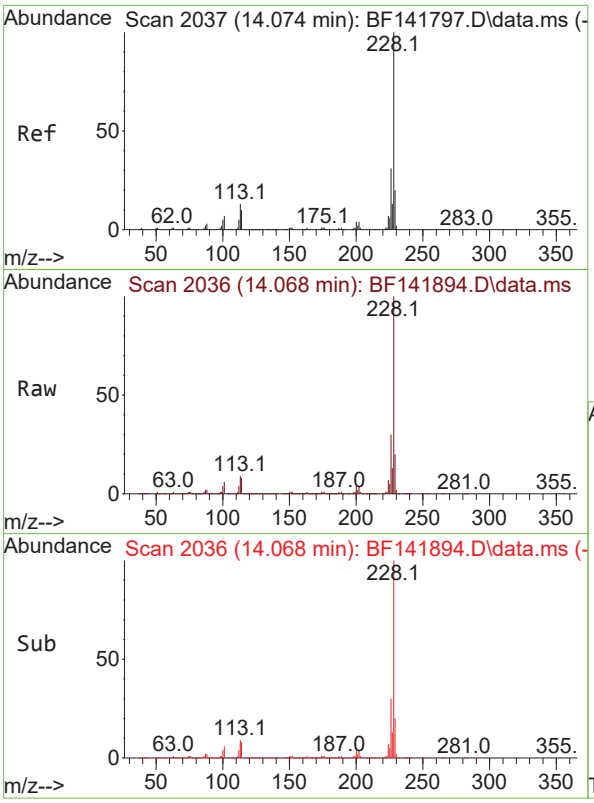


#82
3,3'-Dichlorobenzidine
Concen: 37.944 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:252 Resp: 254664

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.4	77.0
126	10.5	9.8	14.6

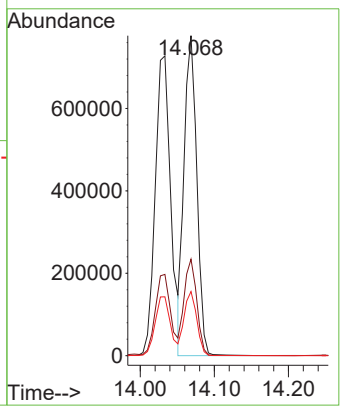




#83
Chrysene
Concen: 43.206 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:228 Resp: 93171

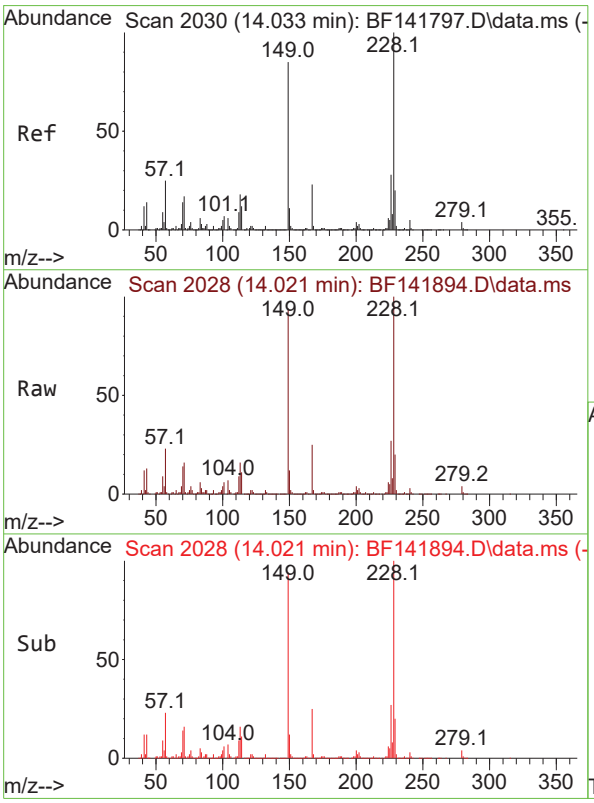
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0
229	20.0	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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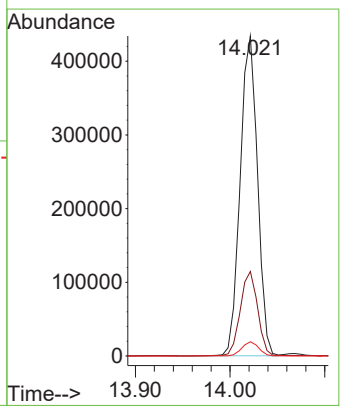
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

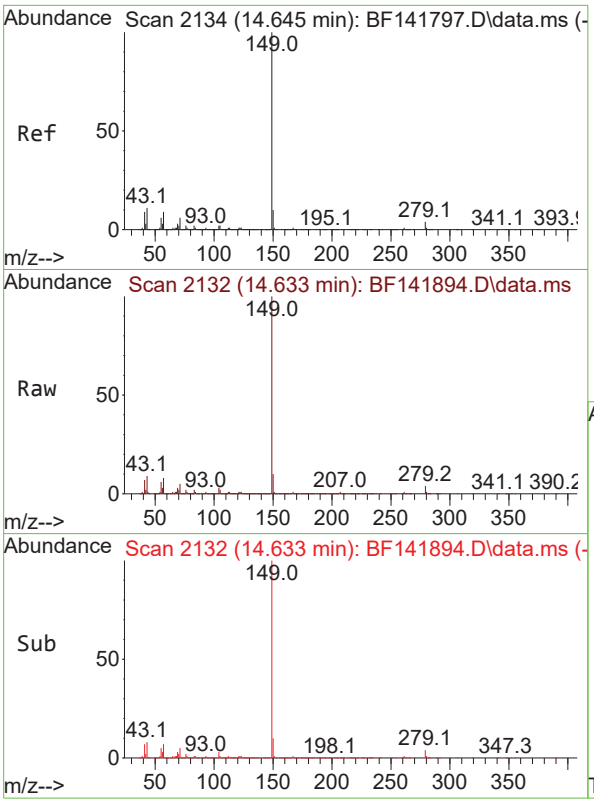


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.726 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:149 Resp: 551160

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.2	31.8
279	4.4	3.3	4.9

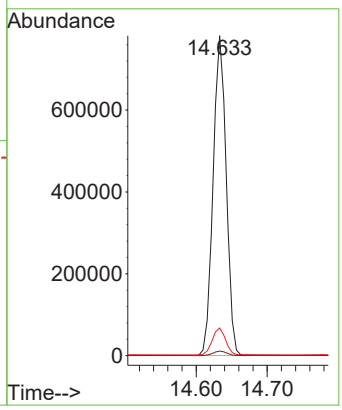




#85
Di-n-octyl phthalate
Concen: 48.045 ng
RT: 14.633 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:149 Resp: 99794

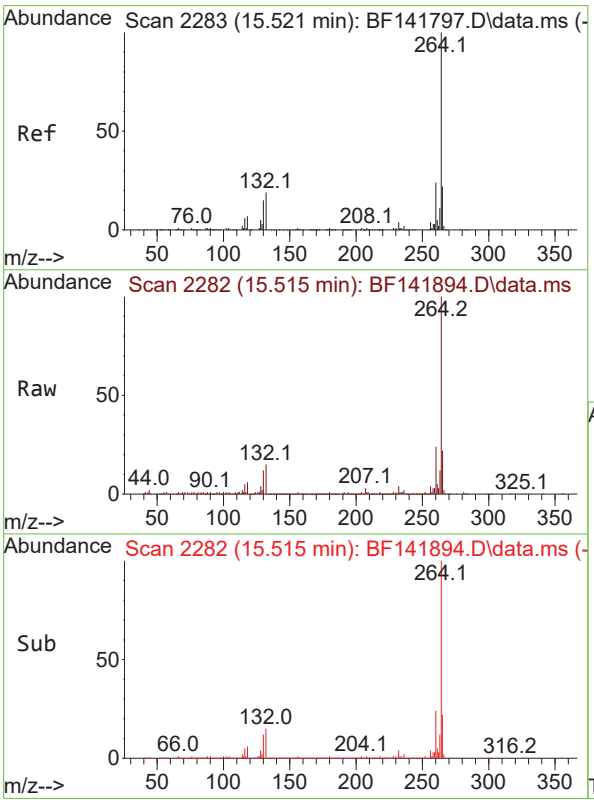
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	8.6	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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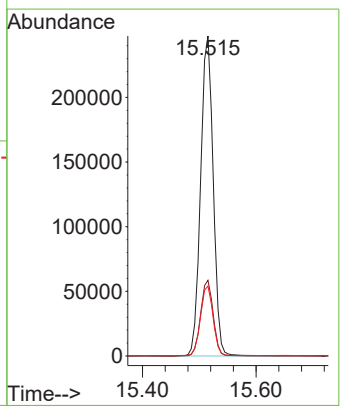
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

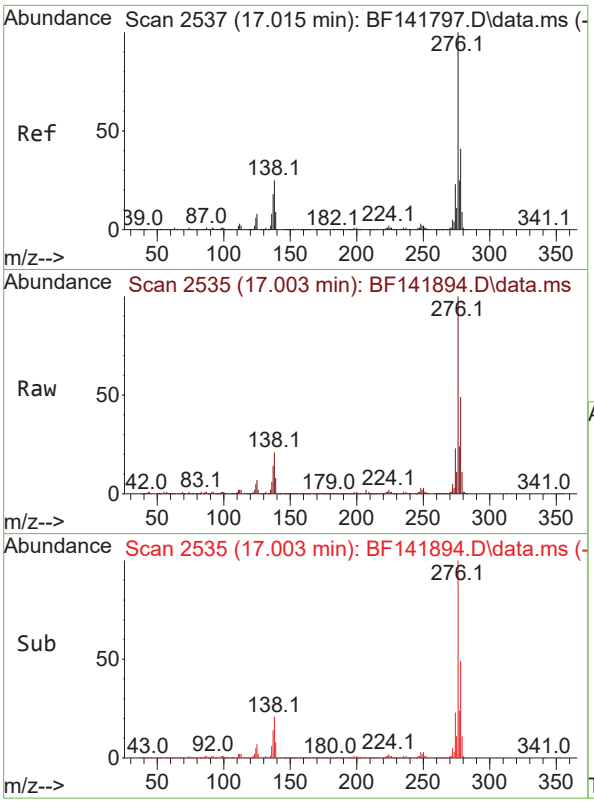


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:264 Resp: 380393

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.8	17.4	26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 36.779 ng
RT: 17.003 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

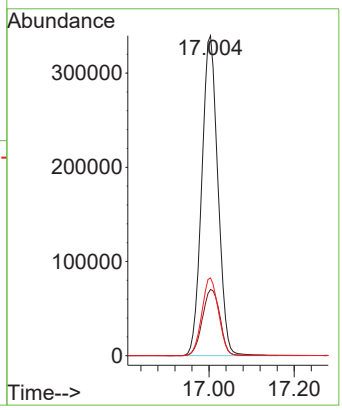
Tgt Ion:276 Resp: 89085

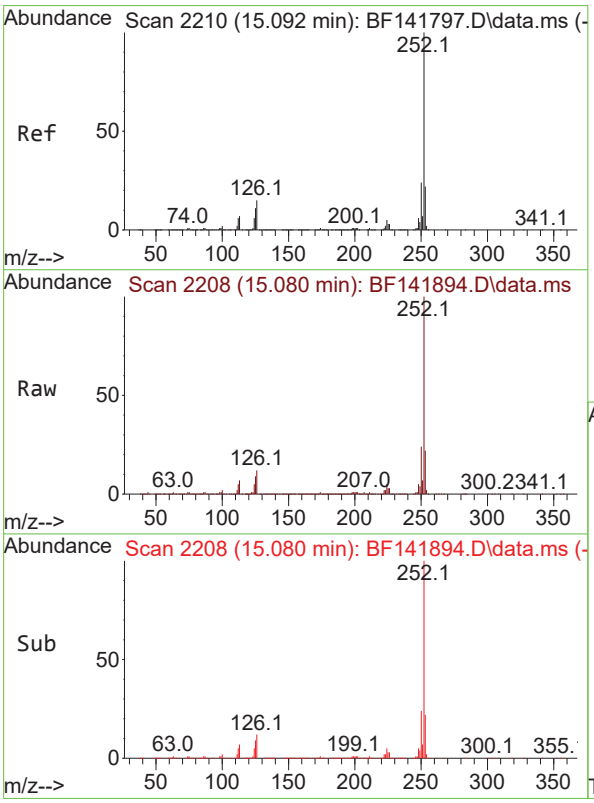
Ion	Ratio	Lower	Upper
276	100		
138	22.7	22.5	33.7
277	25.4	20.3	30.5

Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

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Reviewed By :Anahy Claudio 03/10/2025
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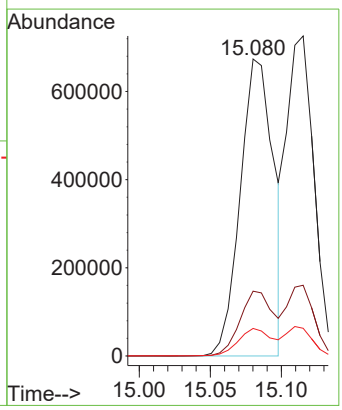


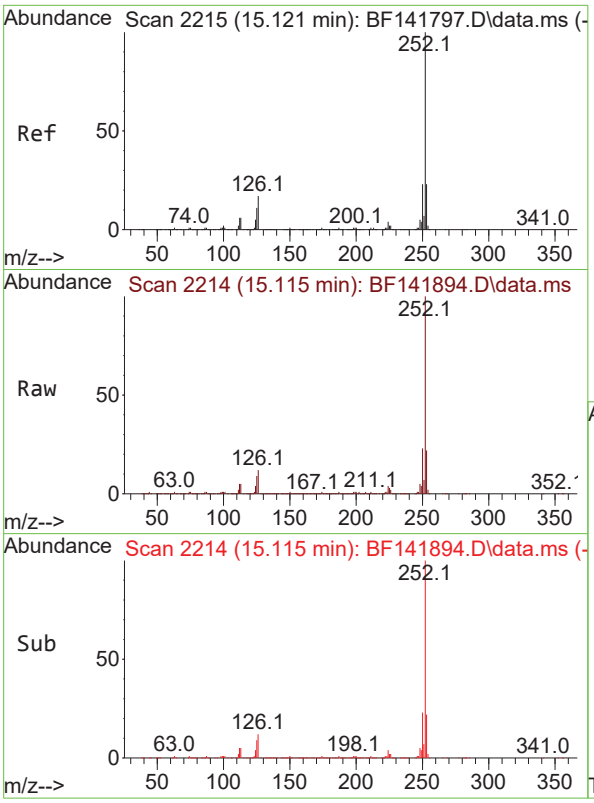


#88
Benzo(b)fluoranthene
Concen: 42.537 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:252 Resp: 1102180

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.3	8.6	13.0

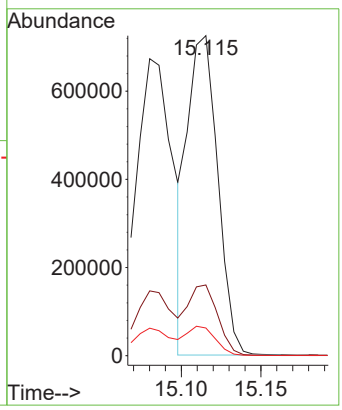




#89
Benzo(k)fluoranthene
Concen: 43.432 ng m
RT: 15.115 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:252 Resp: 95653

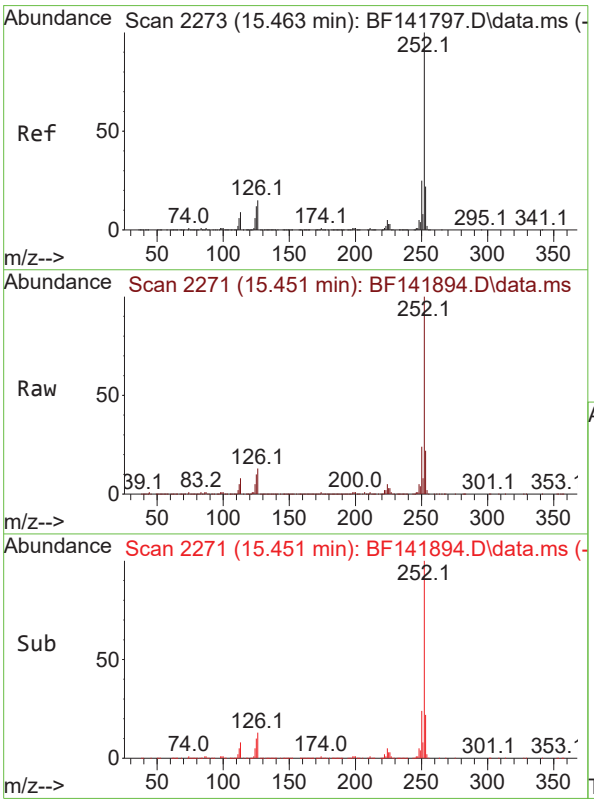
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	8.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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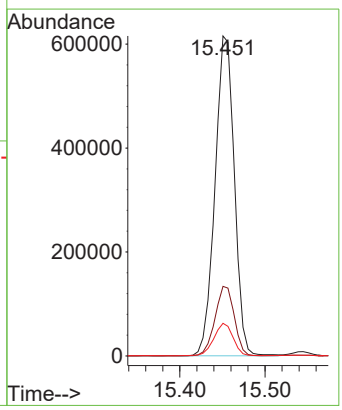
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

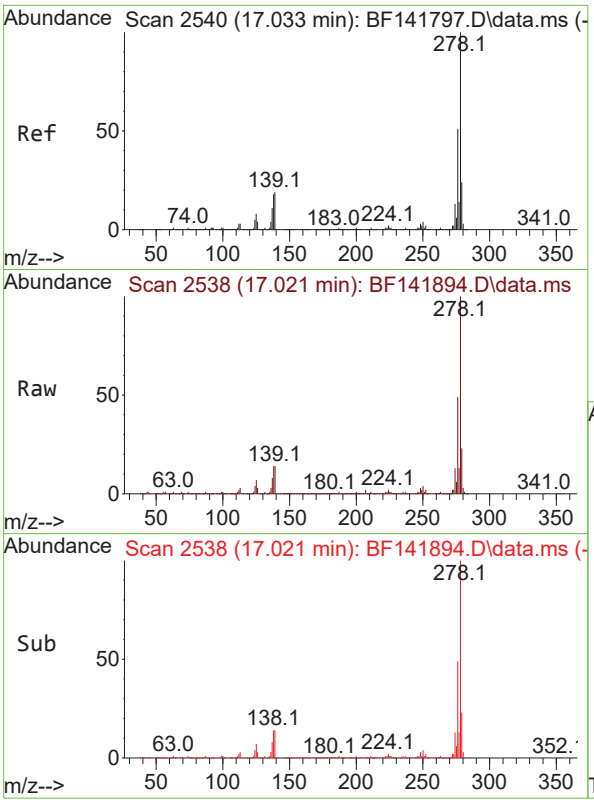


#90
Benzo(a)pyrene
Concen: 46.812 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:252 Resp: 972786

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.2	9.4	14.2

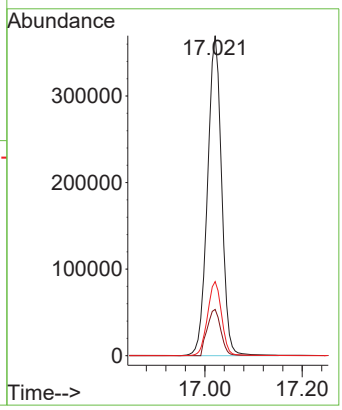




#91
Dibenzo(a,h)anthracene
Concen: 37.465 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:278 Resp: 74074

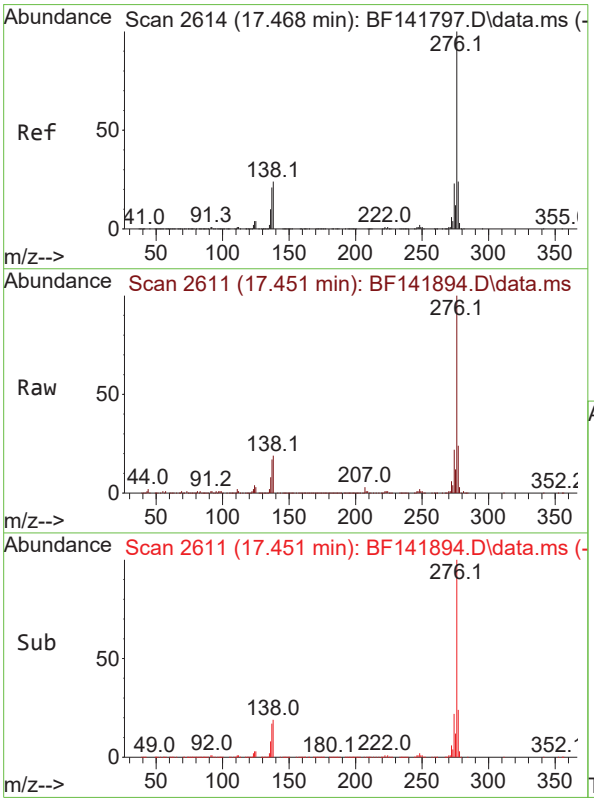
Ion	Ratio	Lower	Upper
278	100		
139	14.4	14.9	22.3#
279	23.2	19.3	28.9



Instrument :
BNA_F
ClientSampleId :
ENV-101-SB01MSD

Manual Integrations
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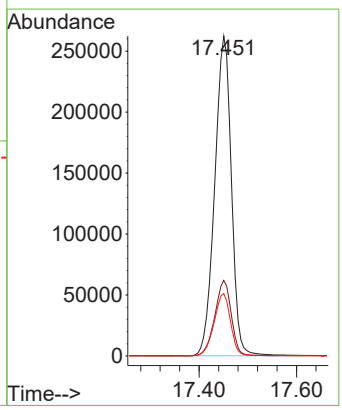
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#92
Benzo(g,h,i)perylene
Concen: 30.747 ng
RT: 17.451 min Scan# 2611
Delta R.T. -0.018 min
Lab File: BF141894.D
Acq: 07 Mar 2025 18:59

Tgt Ion:276 Resp: 622794

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.4	29.0
138	19.5	19.3	28.9



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Manual Integration Report

Sequence:	BF022725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF141794.D	Aniline	yogesh	2/28/2025 7:30:31 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC005	BF141794.D	Phenol	yogesh	2/28/2025 7:30:31 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC010	BF141795.D	Phenol	yogesh	2/28/2025 7:30:34 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC020	BF141796.D	Phenol	yogesh	2/28/2025 7:30:37 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICCC040	BF141797.D	Caprolactam	yogesh	2/28/2025 7:30:40 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC080	BF141800.D	Aniline	yogesh	2/28/2025 7:30:43 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software
SSTDICC080	BF141800.D	Phenol	yogesh	2/28/2025 7:30:43 AM	mohammad	2/28/2025 7:32:51 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF030725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1488-02MS	BF141893.D	Caprolactam	anahy	3/10/2025 10:25:33 AM	Jagrut	3/10/2025 10:28:36 AM	Peak Integrated by Software
Q1488-02MSD	BF141894.D	Benzo(k)fluoranthene	anahy	3/10/2025 10:26:37 AM	Jagrut	3/10/2025 10:28:38 AM	Peak Integrated by Software
Q1488-02MSD	BF141894.D	Caprolactam	anahy	3/10/2025 10:26:37 AM	Jagrut	3/10/2025 10:28:38 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064046.D	1,2-Dichlorobenzene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	1,4-Dichlorobenzene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	2,4,6-Trichlorophenol	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	Acenaphthene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	Benzidine	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Acenaphthene	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzaldehyde	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzidine	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzoic acid	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Acenaphthene	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Benzaldehyde	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Benzoic acid	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICCC040	BG064049.D	Acenaphthene	Jagrut	3/6/2025 5:46:27 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BG064049.D	Benzoic acid	Jagrut	3/6/2025 5:46:27 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC050	BG064050.D	Acenaphthene	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC050	BG064050.D	Benzoic acid	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC060	BG064051.D	Benzoic acid	Jagrut	3/6/2025 5:46:32 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC080	BG064052.D	Benzoic acid	Jagrut	3/6/2025 5:46:36 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Acenaphthene	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzaldehyde	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzoic acid	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bg031025	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG064073.D	Acenaphthene	anahy	3/11/2025 8:56:05 AM	Jagrut	3/11/2025 10:19:44 AM	Peak Integrated by Software
SSTDCCC040	BG064073.D	Benzoic acid	anahy	3/11/2025 8:56:05 AM	Jagrut	3/11/2025 10:19:44 AM	Peak Integrated by Software
PB167035BS	BG064075.D	2,2"-oxybis(1-Chloropropane)	anahy	3/11/2025 8:59:14 AM	Jagrut	3/11/2025 10:19:47 AM	Peak Integrated by Software
PB167035BS	BG064075.D	2,3,4,6-Tetrachlorophenol	anahy	3/11/2025 8:59:14 AM	Jagrut	3/11/2025 10:19:47 AM	Peak Integrated by Software
PB167035BS	BG064075.D	Benzaldehyde	anahy	3/11/2025 8:59:14 AM	Jagrut	3/11/2025 10:19:47 AM	Peak Integrated by Software
PB167035BS	BG064075.D	Benzoic acid	anahy	3/11/2025 8:59:14 AM	Jagrut	3/11/2025 10:19:47 AM	Peak Integrated by Software
PB167035BS	BG064075.D	Caprolactam	anahy	3/11/2025 8:59:14 AM	Jagrut	3/11/2025 10:19:47 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF022725

Review By	yogesh	Review On	2/28/2025 7:30:58 AM		
Supervise By	mohammad	Supervise On	2/28/2025 7:32:51 AM		
SubDirectory	BF022725	HP Acquire Method	BNA_F	HP Processing Method	bf022725

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141792.D	27 Feb 2025 14:47	RC/JU	Ok
2	SSTDICC2.5	BF141793.D	27 Feb 2025 15:17	RC/JU	Ok
3	SSTDICC005	BF141794.D	27 Feb 2025 15:46	RC/JU	Ok,M
4	SSTDICC010	BF141795.D	27 Feb 2025 16:16	RC/JU	Ok,M
5	SSTDICC020	BF141796.D	27 Feb 2025 16:46	RC/JU	Ok,M
6	SSTDICCC040	BF141797.D	27 Feb 2025 17:16	RC/JU	Ok,M
7	SSTDICC050	BF141798.D	27 Feb 2025 17:46	RC/JU	Ok
8	SSTDICC060	BF141799.D	27 Feb 2025 18:15	RC/JU	Ok
9	SSTDICC080	BF141800.D	27 Feb 2025 18:45	RC/JU	Ok,M
10	SSTDICV040	BF141801.D	27 Feb 2025 19:45	RC/JU	Ok
11	PB166879TB	BF141802.D	27 Feb 2025 20:44	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF030725

Review By	anahy	Review On	3/10/2025 10:26:54 AM				
Supervise By	Jagrut	Supervise On	3/10/2025 12:42:08 PM				
SubDirectory	BF030725	HP Acquire Method	BNA_F		HP Processing Method	bf022725	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141881.D	07 Mar 2025 08:26	RC/JU	Ok
2	SSTDCCC040	BF141882.D	07 Mar 2025 08:56	RC/JU	Ok
3	PB167016BL	BF141883.D	07 Mar 2025 09:26	RC/JU	Ok
4	PB167016BS	BF141884.D	07 Mar 2025 09:55	RC/JU	Ok,M
5	PB166968TB	BF141885.D	07 Mar 2025 10:24	RC/JU	Ok
6	Q1478-13	BF141886.D	07 Mar 2025 11:00	RC/JU	Ok
7	Q1478-13MS	BF141887.D	07 Mar 2025 11:29	RC/JU	Ok,M
8	Q1478-13MSD	BF141888.D	07 Mar 2025 11:59	RC/JU	Ok,M
9	Q1481-02	BF141889.D	07 Mar 2025 12:29	RC/JU	Ok
10	Q1484-01DL	BF141890.D	07 Mar 2025 12:58	RC/JU	Ok,M
11	Q1518-01	BF141891.D	07 Mar 2025 13:28	RC/JU	Ok,M
12	Q1488-02	BF141892.D	07 Mar 2025 18:01	RC/JU	Ok
13	Q1488-02MS	BF141893.D	07 Mar 2025 18:30	RC/JU	Ok,M
14	Q1488-02MSD	BF141894.D	07 Mar 2025 18:59	RC/JU	Ok,M
15	Q1490-02	BF141895.D	07 Mar 2025 19:29	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030525

Review By	Jagrut	Review On	3/6/2025 5:46:57 PM				
Supervise By	mohammad	Supervise On	3/7/2025 6:01:50 AM				
SubDirectory	BG030525	HP Acquire Method	BNA_G			HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064044.D	5 Mar 2025 8:15	RC/JU	Ok
2	SSTDICC2.5	BG064045.D	5 Mar 2025 9:02	RC/JU	Ok
3	SSTDICC005	BG064046.D	5 Mar 2025 9:42	RC/JU	Ok,M
4	SSTDICC010	BG064047.D	5 Mar 2025 10:22	RC/JU	Ok,M
5	SSTDICC020	BG064048.D	5 Mar 2025 11:03	RC/JU	Ok,M
6	SSTDICCC040	BG064049.D	5 Mar 2025 11:43	RC/JU	Ok,M
7	SSTDICC050	BG064050.D	5 Mar 2025 12:23	RC/JU	Ok,M
8	SSTDICC060	BG064051.D	5 Mar 2025 13:04	RC/JU	Ok,M
9	SSTDICC080	BG064052.D	5 Mar 2025 13:44	RC/JU	Ok,M
10	SSTDICV040	BG064053.D	5 Mar 2025 15:10	RC/JU	Ok,M
11	PB166970BL	BG064054.D	5 Mar 2025 15:50	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG031025

Review By	anahy	Review On	3/11/2025 9:00:54 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:27:09 AM		
SubDirectory	BG031025	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064072.D	10 Mar 2025 8:43	RC/JU	Ok
2	SSTDCCC040	BG064073.D	10 Mar 2025 9:23	RC/JU	Ok,M
3	PB167035BL	BG064074.D	10 Mar 2025 10:03	RC/JU	Ok
4	PB167035BS	BG064075.D	10 Mar 2025 10:44	RC/JU	Ok,M
5	PB167020TB	BG064076.D	10 Mar 2025 11:24	RC/JU	Ok
6	Q1488-04	BG064077.D	10 Mar 2025 12:22	RC/JU	Ok
7	Q1488-06	BG064078.D	10 Mar 2025 13:03	RC/JU	Ok
8	Q1488-08	BG064079.D	10 Mar 2025 13:43	RC/JU	Ok
9	Q1488-10	BG064080.D	10 Mar 2025 14:23	RC/JU	Ok
10	Q1488-12	BG064081.D	10 Mar 2025 15:04	RC/JU	Ok
11	Q1514-02	BG064082.D	10 Mar 2025 15:44	RC/JU	Ok
12	Q1514-04	BG064083.D	10 Mar 2025 16:25	RC/JU	Ok
13	Q1514-06	BG064084.D	10 Mar 2025 17:05	RC/JU	Ok
14	Q1524-01	BG064085.D	10 Mar 2025 17:46	RC/JU	Ok,M
15	Q1524-02	BG064086.D	10 Mar 2025 18:26	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF022725

Review By	yogesh	Review On	2/28/2025 7:30:58 AM		
Supervise By	mohammad	Supervise On	2/28/2025 7:32:51 AM		
SubDirectory	BF022725	HP Acquire Method	BNA_F	HP Processing Method	bf022725

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141792.D	27 Feb 2025 14:47		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141793.D	27 Feb 2025 15:17		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141794.D	27 Feb 2025 15:46	Compound #32,54,65,77 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF141795.D	27 Feb 2025 16:16	Compound #26,32,48,51,53,57,65 Kept on LR and Compound #54 Kept on QR	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF141796.D	27 Feb 2025 16:46	The Calibration is Fail for Com#77	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF141797.D	27 Feb 2025 17:16	The Calibration is Good For 8270E, 8270 DOD Except com#77 and 625.1 Method Except for Com#77	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF141798.D	27 Feb 2025 17:46		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BF141799.D	27 Feb 2025 18:15		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141800.D	27 Feb 2025 18:45	Compound #69 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF022725	BF141801.D	27 Feb 2025 19:45	ICV Fail for Com#56,62,77 for DOD and ICV Fail for Com#77 for NON- DOD	RC/JU	Ok
11	PB166879TB	PB166879TB	BF141802.D	27 Feb 2025 20:44		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF030725

Review By	anahy	Review On	3/10/2025 10:26:54 AM		
Supervise By	Jagrut	Supervise On	3/10/2025 12:42:08 PM		
SubDirectory	BF030725	HP Acquire Method	BNA_F	HP Processing Method	bf022725

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF141881.D	07 Mar 2025 08:26		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141882.D	07 Mar 2025 08:56		RC/JU	Ok
3	PB167016BL	PB167016BL	BF141883.D	07 Mar 2025 09:26		RC/JU	Ok
4	PB167016BS	PB167016BS	BF141884.D	07 Mar 2025 09:55		RC/JU	Ok,M
5	PB166968TB	PB166968TB	BF141885.D	07 Mar 2025 10:24		RC/JU	Ok
6	Q1478-13	IDW-SO-COMP-022825	BF141886.D	07 Mar 2025 11:00		RC/JU	Ok
7	Q1478-13MS	IDW-SO-COMP-022825	BF141887.D	07 Mar 2025 11:29		RC/JU	Ok,M
8	Q1478-13MSD	IDW-SO-COMP-022825	BF141888.D	07 Mar 2025 11:59		RC/JU	Ok,M
9	Q1481-02	WC-K1311	BF141889.D	07 Mar 2025 12:29		RC/JU	Ok
10	Q1484-01DL	TR-OTR-COMP-01DL	BF141890.D	07 Mar 2025 12:58		RC/JU	Ok,M
11	Q1518-01	OILY-DEBRIS-COMP	BF141891.D	07 Mar 2025 13:28	Internal Standard Fail	RC/JU	Ok,M
12	Q1488-02	ENV-101-SB01	BF141892.D	07 Mar 2025 18:01		RC/JU	Ok
13	Q1488-02MS	ENV-101-SB01MS	BF141893.D	07 Mar 2025 18:30		RC/JU	Ok,M
14	Q1488-02MSD	ENV-101-SB01MSD	BF141894.D	07 Mar 2025 18:59		RC/JU	Ok,M
15	Q1490-02	CLAY-SLUDGE-DRUM	BF141895.D	07 Mar 2025 19:29		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030525

Review By	Jagrut	Review On	3/6/2025 5:46:57 PM		
Supervise By	mohammad	Supervise On	3/7/2025 6:01:50 AM		
SubDirectory	BG030525	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064044.D	5 Mar 2025 8:15		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064045.D	5 Mar 2025 9:02		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064046.D	5 Mar 2025 9:42	Compound#32,54,56,65,70,85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064047.D	5 Mar 2025 10:22		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064048.D	5 Mar 2025 11:03	Compound#32,51,54,57,65,80 Kept on LR & Compound#26,48 Kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064049.D	5 Mar 2025 11:43	Calibration is good for 8270 E and 8270 DOD. Benzidine failed in the Calibration.	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BG064050.D	5 Mar 2025 12:23		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG064051.D	5 Mar 2025 13:04	Compound#69 removed from 60 ppm	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG064052.D	5 Mar 2025 13:44	Compound#9,69 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBG030525	BG064053.D	5 Mar 2025 15:10		RC/JU	Ok,M
11	PB166970BL	PB166970BL	BG064054.D	5 Mar 2025 15:50		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG031025

Review By	anahy	Review On	3/11/2025 9:00:54 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:27:09 AM		
SubDirectory	BG031025	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064072.D	10 Mar 2025 8:43		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064073.D	10 Mar 2025 9:23		RC/JU	Ok,M
3	PB167035BL	PB167035BL	BG064074.D	10 Mar 2025 10:03		RC/JU	Ok
4	PB167035BS	PB167035BS	BG064075.D	10 Mar 2025 10:44		RC/JU	Ok,M
5	PB167020TB	PB167020TB	BG064076.D	10 Mar 2025 11:24		RC/JU	Ok
6	Q1488-04	ENV-101-SB02	BG064077.D	10 Mar 2025 12:22		RC/JU	Ok
7	Q1488-06	ENV-102-SB01	BG064078.D	10 Mar 2025 13:03		RC/JU	Ok
8	Q1488-08	ENV-102-SB02	BG064079.D	10 Mar 2025 13:43		RC/JU	Ok
9	Q1488-10	ENV-104-SB01	BG064080.D	10 Mar 2025 14:23		RC/JU	Ok
10	Q1488-12	ENV-104-SB02	BG064081.D	10 Mar 2025 15:04		RC/JU	Ok
11	Q1514-02	ENV-105-SB01	BG064082.D	10 Mar 2025 15:44		RC/JU	Ok
12	Q1514-04	ENV-105-SB02	BG064083.D	10 Mar 2025 16:25		RC/JU	Ok
13	Q1514-06	ENV-103-SB01	BG064084.D	10 Mar 2025 17:05		RC/JU	Ok
14	Q1524-01	72-11930-343-COMP	BG064085.D	10 Mar 2025 17:46		RC/JU	Ok,M
15	Q1524-02	VNJ-241	BG064086.D	10 Mar 2025 18:26		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

SOP ID : M1311-TCLP-15

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 03/06/2025 **Time :** 17:00

End Prep Date : 03/07/2025 **Time :** 11:20

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ JP

Initial Room Temperature: 25 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : IZ

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	WP110802
HCL-TCLP,1N	N/A	WP110803
HNO3-TCLP,1N	N/A	WP110804
pH Strips	W3172.	W1931,W1934,W3171,W3172
pH Strips	W1941,W1942	W3166,W1938,W1939,W1940,
1L Amber bottle	N/A	90424-08
120ml Plastic bottle	N/A	405130101
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftration and before preservation. Particle size reduction in not required. TUMBLER T-1 /T-2 checked,30 rpm. q1514-06 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
03/07/25 12:30	JP / TCLP Room	JPP RJ / EXT
	Preparation Group	Analysis Group / Metals

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

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
PB167020TB	LEB020	15	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1488-02	ENV-101-SB01	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-04	ENV-101-SB02	02	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1488-06	ENV-102-SB01	03	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-08	ENV-102-SB02	04	100.04	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1488-10	ENV-104-SB01	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1488-12	ENV-104-SB02	06	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1490-02	CLAY-SLUDGE-DRUMS	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1494-04	ASPHALT-SOIL	08	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1494-06	SOIL	09	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1494-08	SOIL-COMP	10	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1510-01	FMC-25-0001-0005	11	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q1514-02	ENV-105-SB01	12	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1514-04	ENV-105-SB02	13	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1514-06	ENV-103-SB01	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167020TB	LEB020	N/A	N/A	N/A	N/A	N/A	N/A
Q1488-02	ENV-101-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-04	ENV-101-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-06	ENV-102-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-08	ENV-102-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1488-10	ENV-104-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1488-12	ENV-104-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1490-02	CLAY-SLUDGE-DRUMS	N/A	N/A	N/A	N/A	100	N/A
Q1494-04	ASPHALT-SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-06	SOIL	N/A	N/A	N/A	N/A	100	N/A
Q1494-08	SOIL-COMP	N/A	N/A	N/A	N/A	100	N/A
Q1510-01	FMC-25-0001-0005	N/A	N/A	N/A	N/A	100	N/A
Q1514-02	ENV-105-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1514-04	ENV-105-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1514-06	ENV-103-SB01	N/A	N/A	N/A	N/A	100	N/A

Alliance TECHNICAL GROUP

TCLP Fluid Determination

PB167020

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
PB167020TB	LEB020	N/A	N/A	N/A	N/A	#1	4.94
Q1488-02	ENV-101-SB01	5.01	96.5	6.2	2.5	#1	4.94
Q1488-04	ENV-101-SB02	5.02	96.5	6.6	2.0	#1	4.94
Q1488-06	ENV-102-SB01	5.03	96.5	6.2	2.5	#1	4.94
Q1488-08	ENV-102-SB02	5.04	96.5	7.2	2.5	#1	4.94
Q1488-10	ENV-104-SB01	5.03	96.5	6.6	2.0	#1	4.94
Q1488-12	ENV-104-SB02	5.02	96.5	7.0	2.5	#1	4.94
Q1490-02	CLAY-SLUDGE-DRUMS	5.04	96.5	7.0	2.5	#1	4.94
Q1494-04	ASPHALT-SOIL	5.01	96.5	8.6	3.0	#1	4.94
Q1494-06	SOIL	5.02	96.5	9.1	4.0	#1	4.94
Q1494-08	SOIL-COMP	5.04	96.5	8.6	3.5	#1	4.94
Q1510-01	FMC-25-0001-0005	5.03	96.5	5.6	1.5	#1	4.94
Q1514-02	ENV-105-SB01	5.01	96.5	7.6	2.5	#1	4.94
Q1514-04	ENV-105-SB02	5.02	96.5	8.0	3.0	#1	4.94
Q1514-06	ENV-103-SB01	5.03	96.5	9.1	3.5	#1	4.94

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp q1490 **WorkList ID :** 188086 **Department :** TCLP Extraction **Date :** 03-06-2025 11:40:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1488-02	ENV-101-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-04	ENV-101-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-06	ENV-102-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-08	ENV-102-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-10	ENV-104-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1488-12	ENV-104-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1490-02	CLAY-SLUDGE-DRUMS	Solid	TCLP Extraction	Cool 4 deg C	PORT06	H31	03/04/2025	1311
Q1494-04	ASPHALT-SOIL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I21	03/05/2025	1311
Q1494-06	SOIL	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1494-08	SOIL-COMP	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1510-01	FMC-25-0001-0005	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I31	03/05/2025	1311
Q1514-02	ENV-105-SB01	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	I21	03/06/2025	1311
Q1514-04	ENV-105-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311
Q1514-06	ENV-103-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	I31	03/05/2025	1311

Date/Time 03106125 16:10

Raw Sample Received by: SB (WC)

Raw Sample Relinquished by: CA SM

Date/Time 03106125 18:00

Raw Sample Received by: CA SM

Raw Sample Relinquished by: SB (WC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167035

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 03/07/2025

Extraction Start Time : 12:45

Extraction End Date : 03/07/2025

Extraction End Time : 17:45

Concentration By: EH

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	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
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	E3878
Baked Na2SO4	N/A	EP2590
H2SO4 1:1	N/A	EP2565
10N NaoH	N/A	EP2559
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:

1.5ML Vial lot# 2210673. pH Adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH.

KD Bath ID: Water bath -01,02

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/7/25	RS (Ext-Lab)	RC/SVOC
17:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167035

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 03/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167020TB	PB167020TB	TCLP BNA	100	6	RUPESH	ritesh	1			SEP-1
PB167035BL	PB167035BL	TCLP BNA	1000	6	RUPESH	ritesh	1			2
PB167035BS	PB167035BS	TCLP BNA	1000	6	RUPESH	ritesh	1			3
Q1488-02	ENV-101-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		4
Q1488-02MS	ENV-101-SB01MS	TCLP BNA	100	6	RUPESH	ritesh	1	A		5
Q1488-02MSD	ENV-101-SB01MSD	TCLP BNA	100	6	RUPESH	ritesh	1	A		6
Q1488-04	ENV-101-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		7
Q1488-06	ENV-102-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		8
Q1488-08	ENV-102-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		9
Q1488-10	ENV-104-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		10
Q1488-12	ENV-104-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		11
Q1490-02	CLAY-SLUDGE-DRUMS	TCLP BNA	100	6	RUPESH	ritesh	1	A		12
Q1494-04	ASPHALT-SOIL	TCLP BNA	100	6	RUPESH	ritesh	1	A		13
Q1494-06	SOIL	TCLP BNA	100	6	RUPESH	ritesh	1	A		14
Q1494-08	SOIL-COMP	TCLP BNA	100	6	RUPESH	ritesh	1	A		15
Q1514-02	ENV-105-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		16
Q1514-04	ENV-105-SB02	TCLP BNA	100	6	RUPESH	ritesh	1	A		17
Q1514-06	ENV-103-SB01	TCLP BNA	100	6	RUPESH	ritesh	1	A		18

RS
3/7

*** Extracts relinquished on the same date as received.**

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB167020

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
PB167020TB	LEB020	15	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1488-02	ENV-101-SB01	01	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-04	ENV-101-SB02	02	100.01	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1488-06	ENV-102-SB01	03	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q1488-08	ENV-102-SB02	04	100.04	2000	N/A	N/A	N/A	4.5	1.0	T-1
Q1488-10	ENV-104-SB01	05	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1488-12	ENV-104-SB02	06	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1490-02	CLAY-SLUDGE-DRUMS	07	100.01	2000	N/A	N/A	N/A	5.5	1.5	T-1
Q1494-04	ASPHALT-SOIL	08	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1494-06	SOIL	09	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1494-08	SOIL-COMP	10	100.04	2000	N/A	N/A	N/A	6.2	1.0	T-1
Q1510-01	FMC-25-0001-0005	11	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-2
Q1514-02	ENV-105-SB01	12	100.02	2000	N/A	N/A	N/A	5.6	1.0	T-2
Q1514-04	ENV-105-SB02	13	100.03	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1514-06	ENV-103-SB01	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2

03/07/25

12:30

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Prep Standard - Chemical Standard Summary

Order ID : Q1488

Test : TCLP BNA

Prepbatch ID : PB167035,

Sequence ID/Qc Batch ID: BF030725,BG031025,

Standard ID :
EP2559,EP2565,EP2590,SP6638,SP6685,SP6686,SP6717,SP6720,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3815,E3828,E3846,E3871,E3874,E3878,M5173,S10104,S10246,S10397,S10584,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11087,S11143,S11161,S11487,S11495,S11650,S11781,S11782,S11783,S11784,S11785,S12114,S12142,S12143,S12144,S12145,S12146,S12187,S12188,S12189,S12207,S12208,S12270,S12276,S12327,S12469,S12470,S12471,S12472,S12473,S12474,S12475,S12476,S12477,S12478,S12517,S12518,S12519,S12520,S12521,S12522,S12523,S12524,S12525,S12649,S12653,S12791,S12963,S12964,S12965,S12966,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2559	11/14/2024	05/14/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/14/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2590	02/26/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 02/26/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6638	10/10/2024	04/04/2025	Jagrut Upadhyay	None	None	mohammad ahmed 10/18/2024

FROM 1930.00000ml of E3815 + 5.00000ml of S10978 + 5.00000ml of S10979 + 5.00000ml of S10980 + 5.00000ml of S11004 + 5.00000ml of S11005 + 5.00000ml of S11006 + 5.00000ml of S11007 + 5.00000ml of S11008 + 5.00000ml of S11009 + 5.00000ml of S11010 + 5.00000ml of S12187 + 5.00000ml of S12188 + 5.00000ml of S12189 + 5.00000ml of S12207 = Final Quantity: 2000.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6685	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.04000ml of S12189 + 0.08000ml of S12208 + 0.10000ml of S11074 + 0.20000ml of S12142 + 0.20000ml of S12469 + 0.20000ml of S12517 + 1.18000ml of E3828 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6686	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6685 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6717	01/15/2025	03/31/2025	Rahul Chavli	None	None	Yogesh Patel 01/16/2025

FROM 1.00000ml of S10246 + 19.00000ml of E3871 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6720	01/29/2025	04/30/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/06/2025

FROM 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12478 + 0.50000ml of S11781 + 0.50000ml of S12470 + 0.60000ml of S11785 + 0.90000ml of S12518 + 0.90000ml of S12966 + 1.30000ml of S11782 + 1.30000ml of S11783 + 1.30000ml of S11784 + 1.30000ml of S12143 + 1.30000ml of S12144 + 1.30000ml of S12145 + 1.30000ml of S12146 + 1.30000ml of S12471 + 1.30000ml of S12472 + 1.30000ml of S12473 + 1.30000ml of S12474 + 1.30000ml of S12475 + 1.30000ml of S12476 + 1.30000ml of S12477 + 1.30000ml of S12519 + 1.30000ml of S12520 + 1.30000ml of S12521 + 1.30000ml of S12522 + 1.30000ml of S12523 + 1.30000ml of S12524 + 1.30000ml of S12525 + 1.30000ml of S12963 + 1.30000ml of S12964 + 1.30000ml of S12965 + 163.00000ml of E3846 = Final Quantity: 200.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	07/14/2025	01/14/2025 / Rajesh	12/27/2024 / Rajesh	E3871

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	08/14/2025	02/14/2025 / Rajesh	12/27/2024 / Rajesh	E3878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	03/31/2025	01/15/2025 / Rahul	03/18/2022 / Christian	S10246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	05/31/2025	01/29/2025 / anahy	05/18/2022 / Christian	S10397

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11004

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11005

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11006

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11007

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11008

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11009

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11010

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	05/15/2025	11/15/2024 / Jagrut	02/06/2023 / Christian	S11074

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	07/30/2025	01/30/2025 / anahy	02/07/2023 / Christian	S11087

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	01/30/2025 / anahy	03/06/2023 / Christian	S11161

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	08/31/2026	01/29/2025 / anahy	08/10/2023 / yogesh	S11487

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	06/26/2025	12/26/2024 / Jagrut	11/21/2023 / Rahul	S11781

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11782

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11783

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11784

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	05/12/2025	11/12/2024 / Jagrut	03/08/2024 / Rahul	S12114

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12142

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12143

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12144

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12146

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12187

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12188

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	05/15/2025	11/15/2024 / Jagrut	03/15/2024 / Rahul	S12208

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	07/30/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12270

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	05/12/2025	11/12/2024 / anahy	05/30/2024 / Rahul	S12327

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12469

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/26/2025	11/26/2024 / Jagrut	07/23/2024 / RAHUL	S12470

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12471

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12472

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12473

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12474

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12475

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12476

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12477

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12478

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12517

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/03/2025	01/03/2025 / Jagrut	07/23/2024 / RAHUL	S12518

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12519

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12520

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12521

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12523

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12524

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12525

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	08/25/2025	02/25/2025 / anahy	09/20/2024 / anahy	S12653

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	06/21/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12963

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12964

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12965

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12966

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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(707)545-7901 Fax

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received on 03/08/22 by CG S10242 to S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol **CAS #** 87-86-5 (Lot 211229RSR) **Purity** 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) **CAS #** 5074-71-5 (Lot Q117-147) **Purity** 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL +/- 45.8508 µg/mL +/- 66.2023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine **CAS #** 92-87-5 (Lot 211228JLM) **Purity** 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL +/- 45.9318 µg/mL +/- 66.3193 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT **CAS #** 50-29-3 (Lot 210916JLM) **Purity** 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL +/- 45.8954 µg/mL +/- 66.2667 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

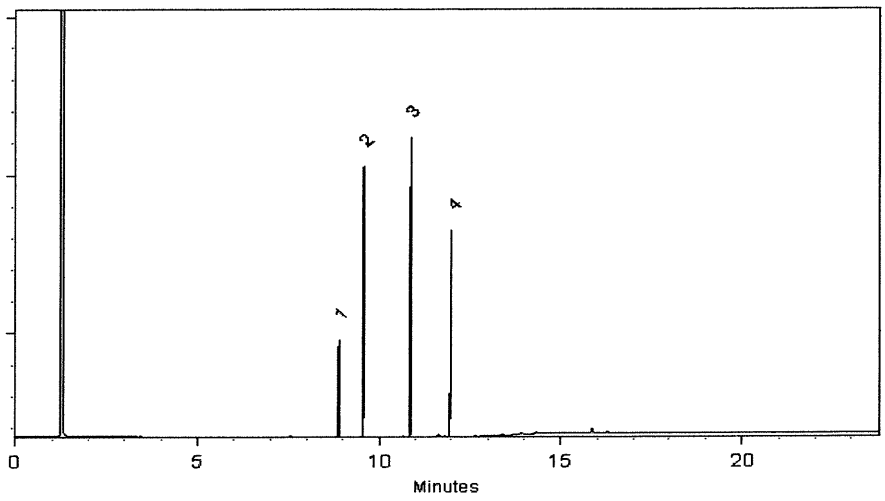
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 05/19/22

S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622 µg/mL	Unstressed
	Purity 99%		+/- 905.6020 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Received on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

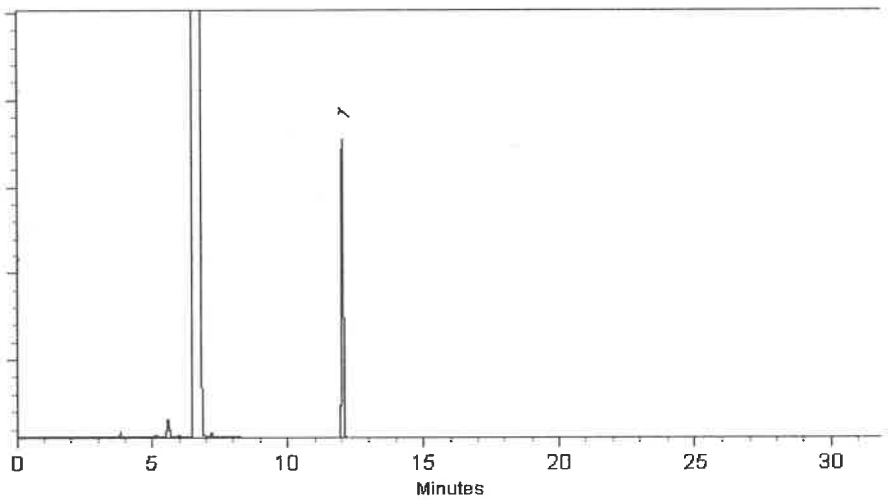
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

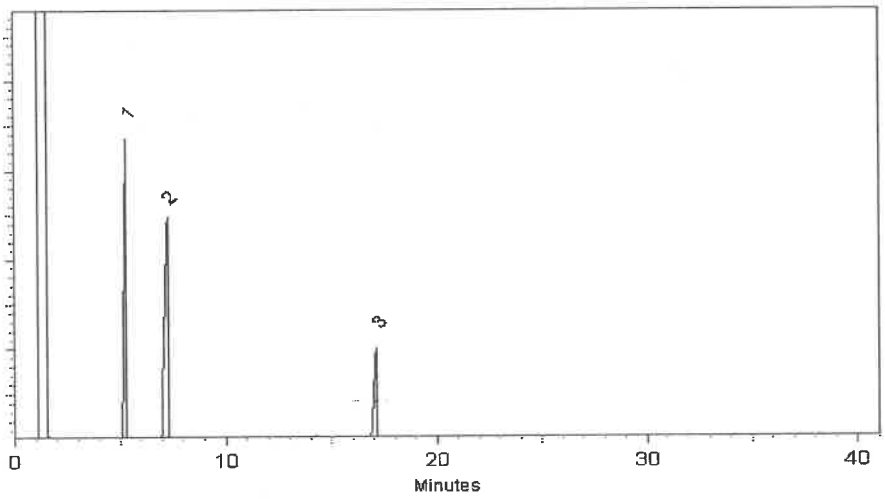
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

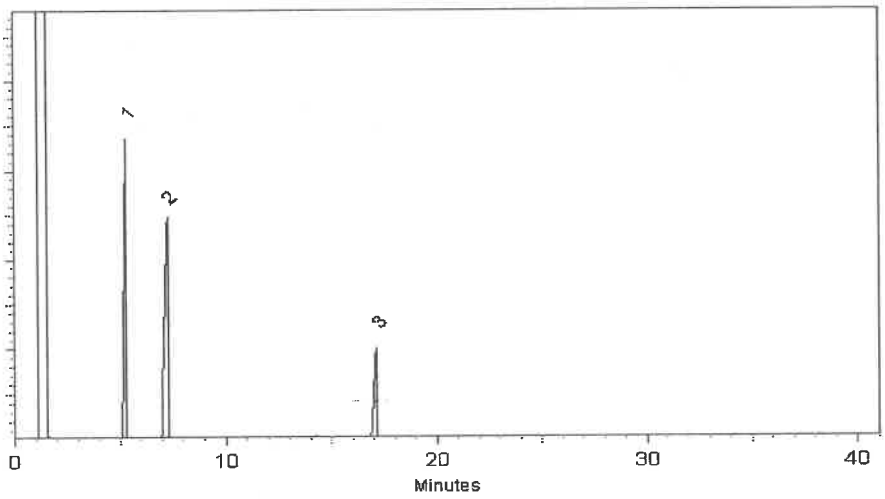
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

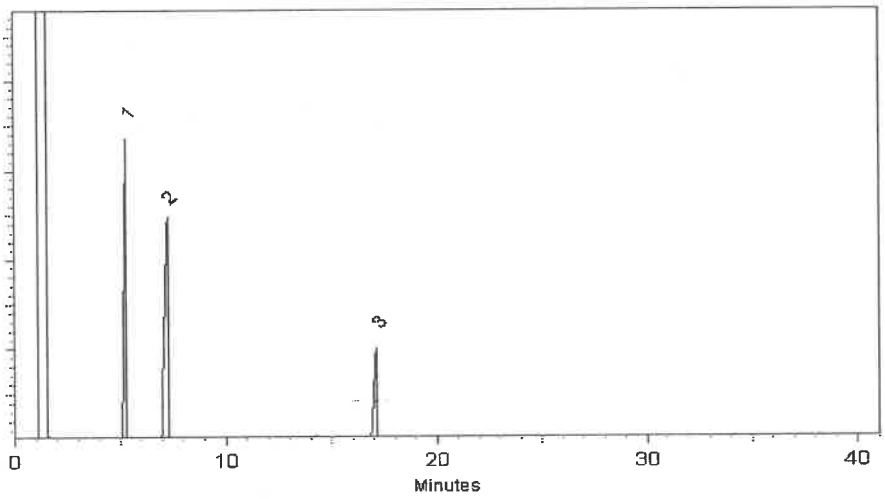
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

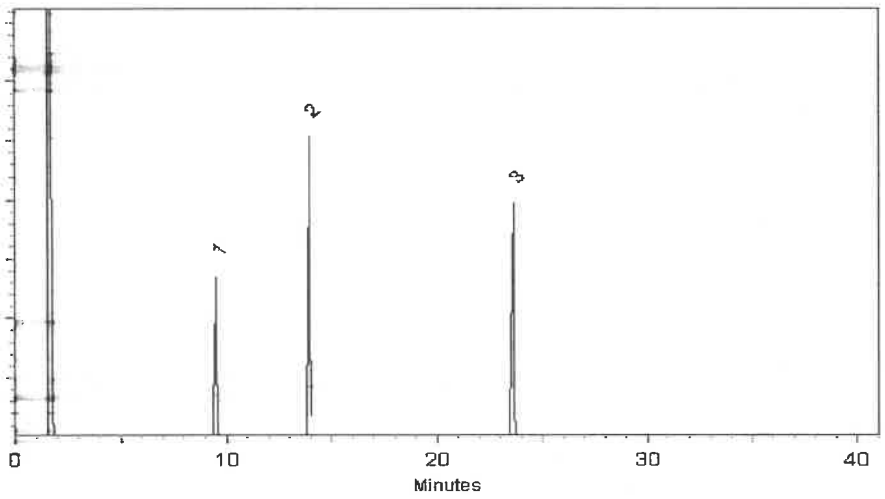
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

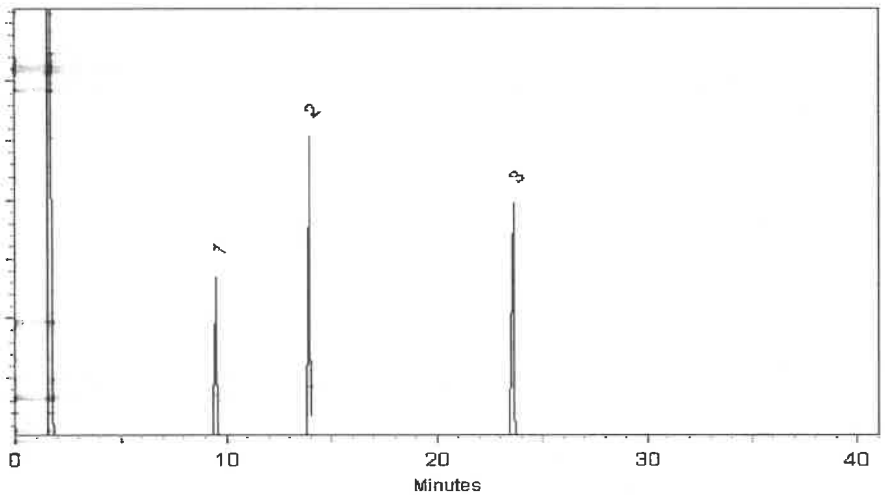
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

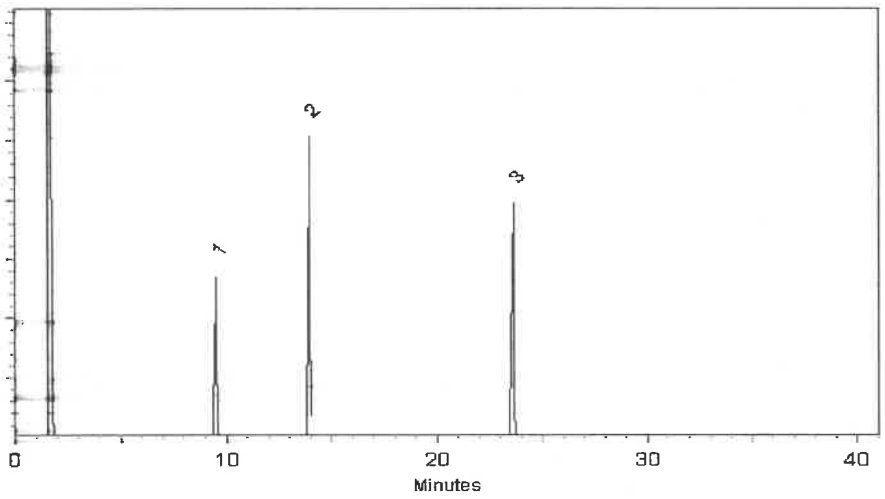
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

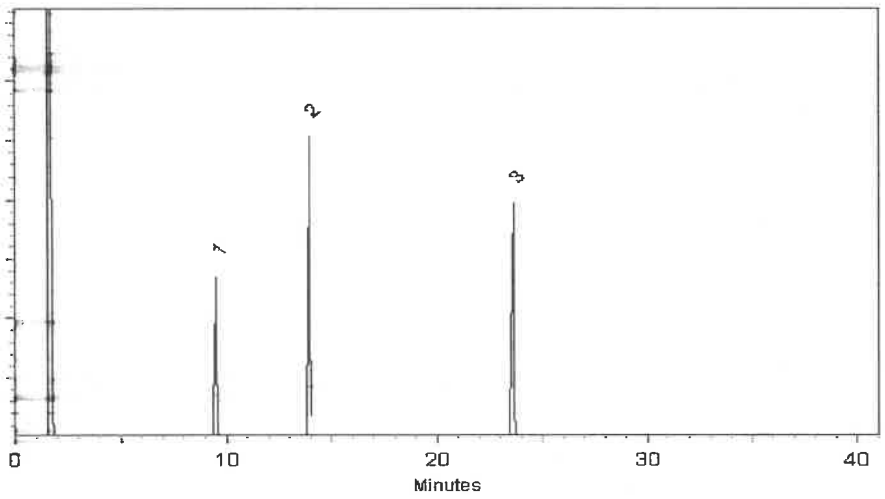
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

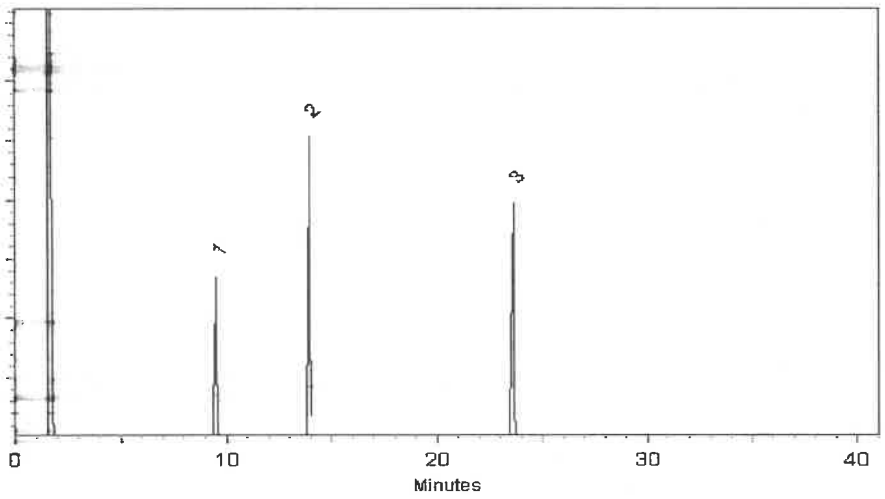
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

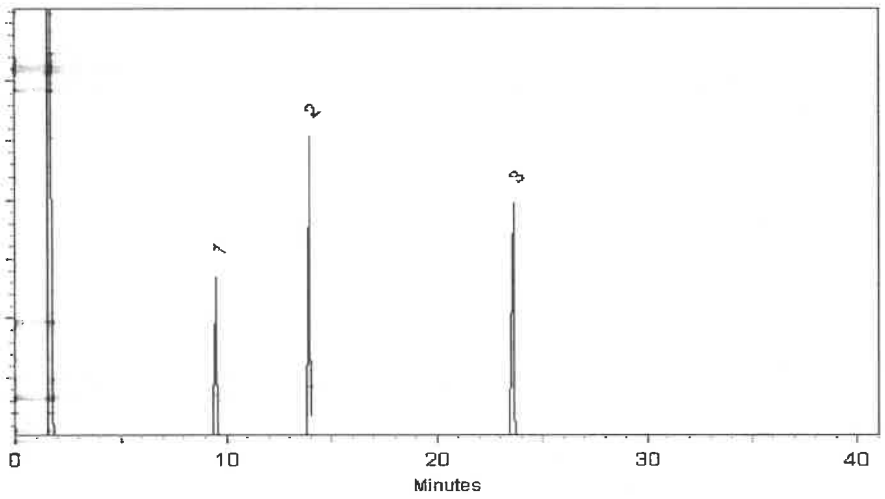
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

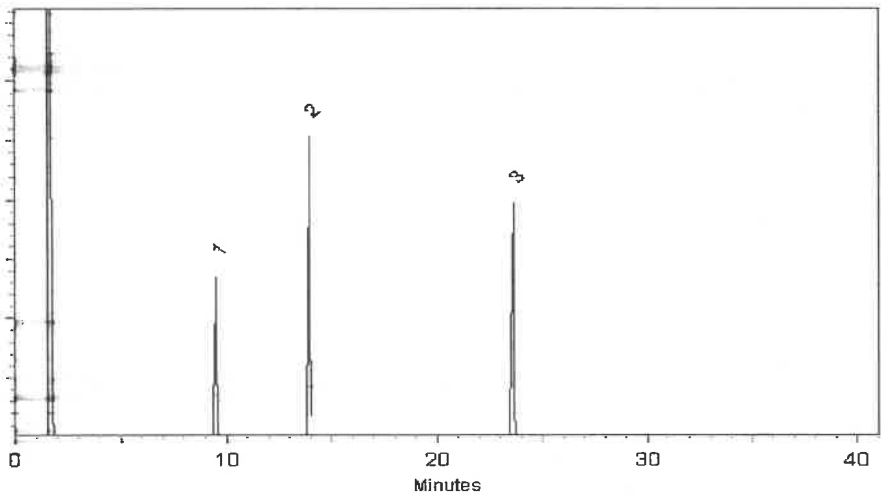
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 12/13/24

E 3846

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

12/9-1/24

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3871

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3878

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.189
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	< 1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9530-33
Batch No.: 0000281827

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S11484 ↓ S11493 Y.P. 08/10/23

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician

Date Mixed: 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

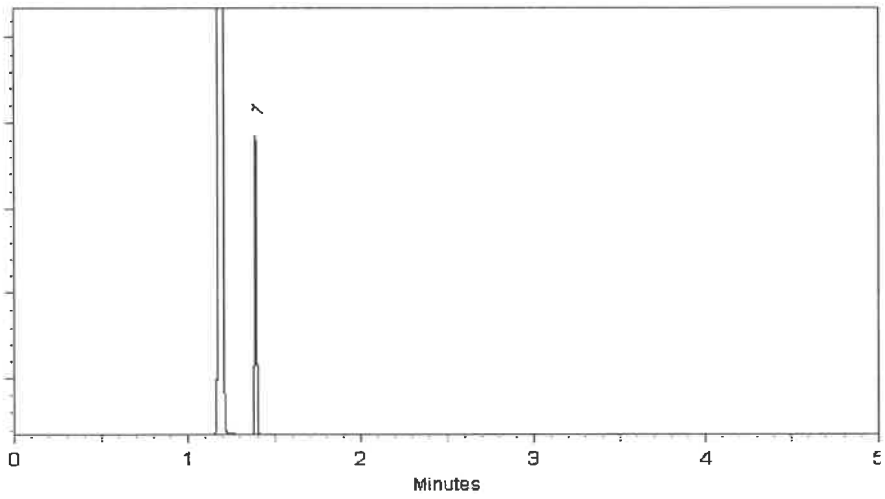
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Manufacturing Notes:

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

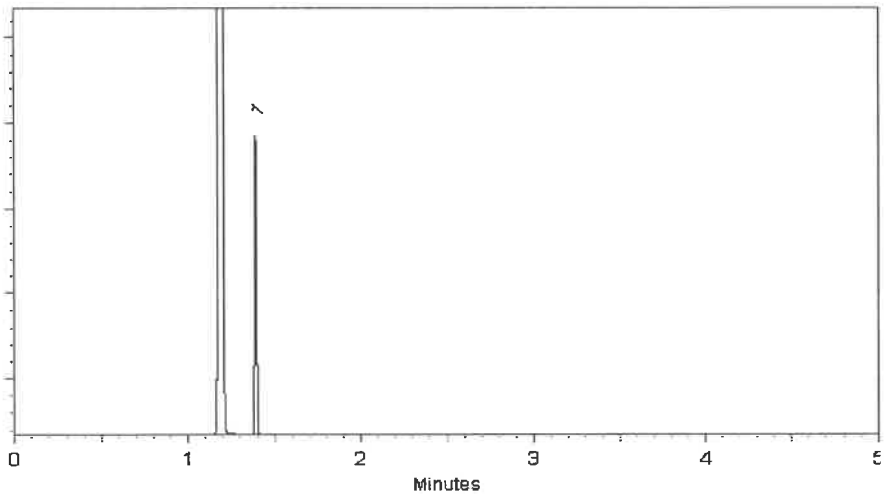
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Manufacturing Notes:

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
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Temp. Program:
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@ 9.6°C/min. (hold 2.86 min.)

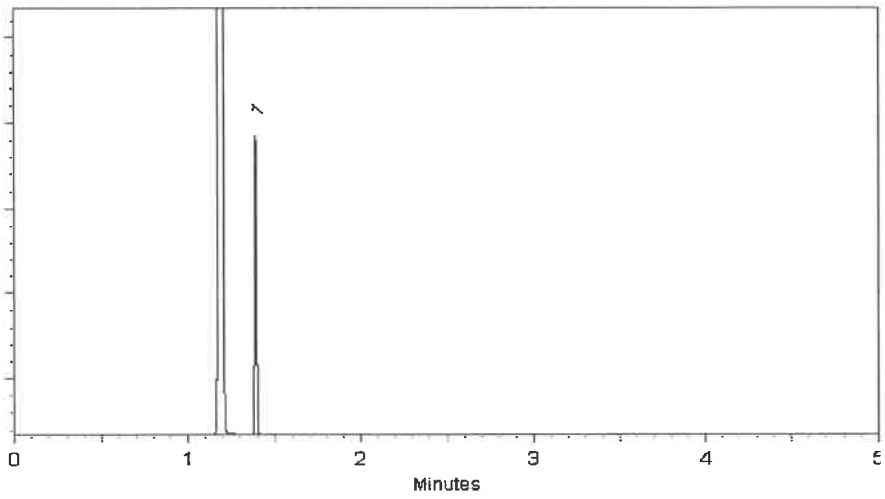
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

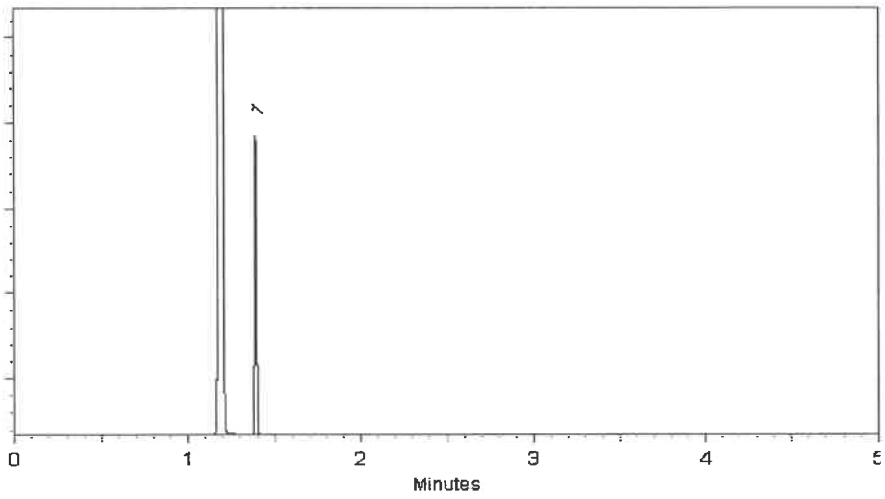
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

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Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

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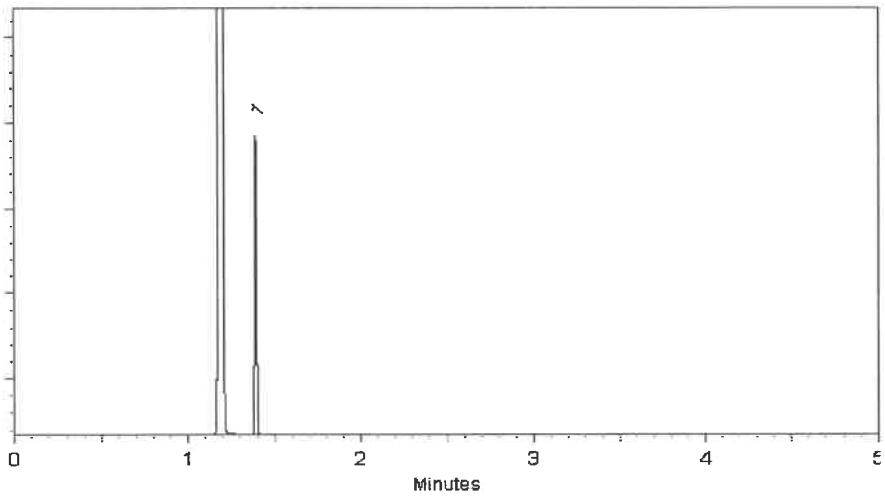
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

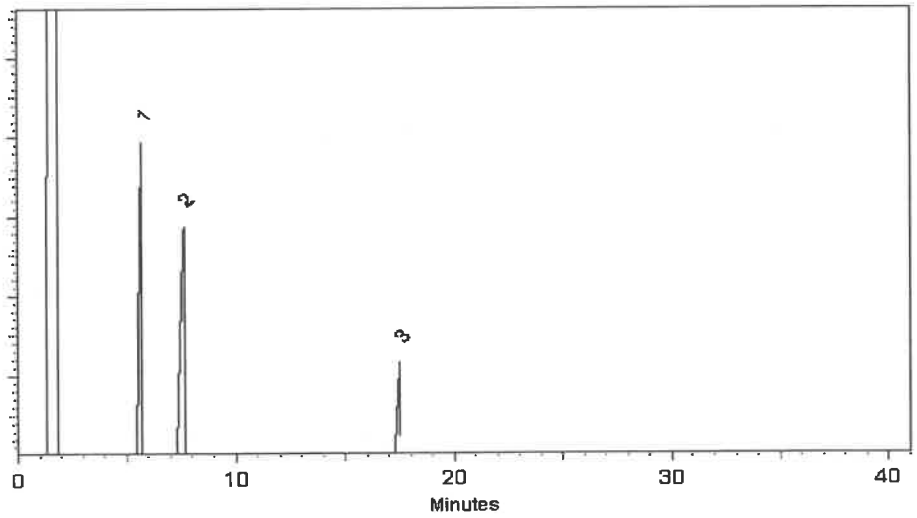
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

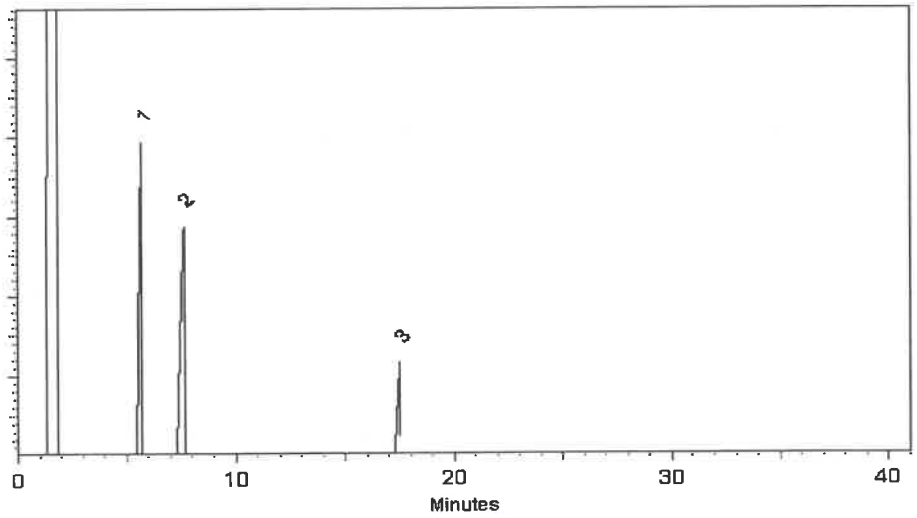
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

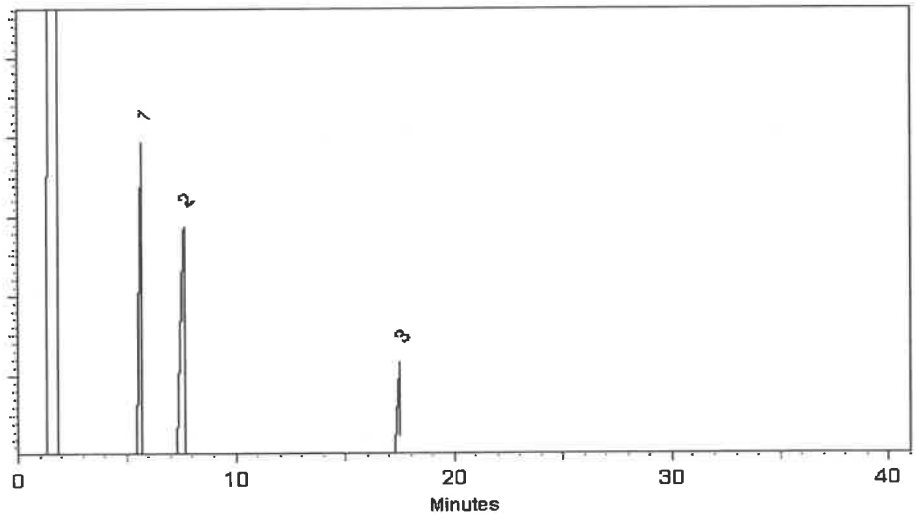
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

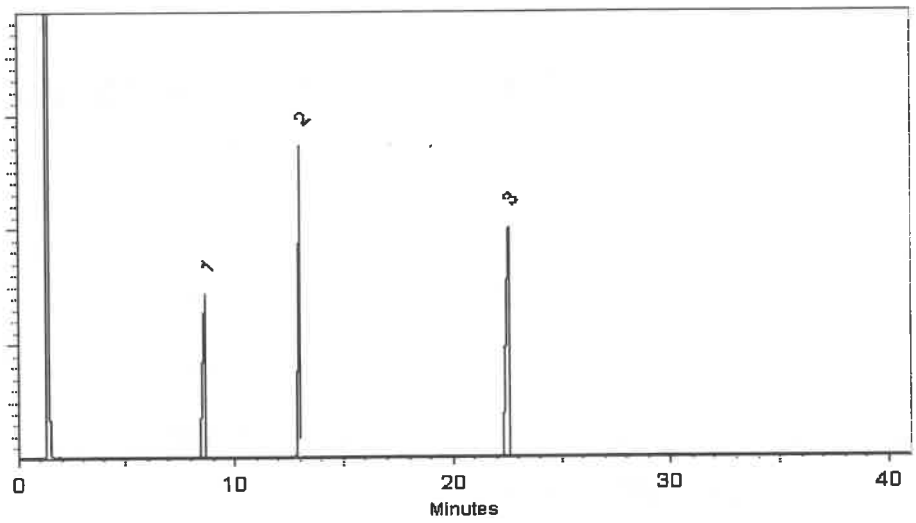
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Fax: 1-814-353-1309

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

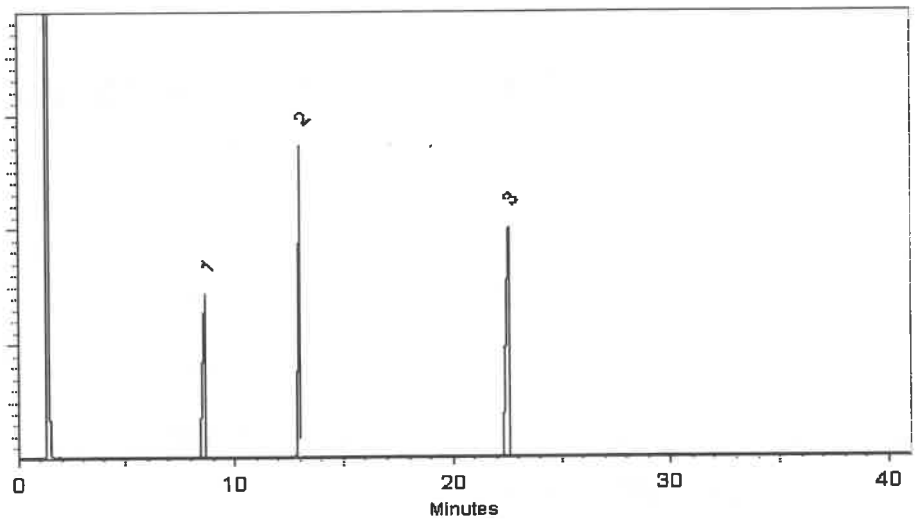
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC 05/24/24

*Not a certified value

Kerry E Kane

Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

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(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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chromatographic plus

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

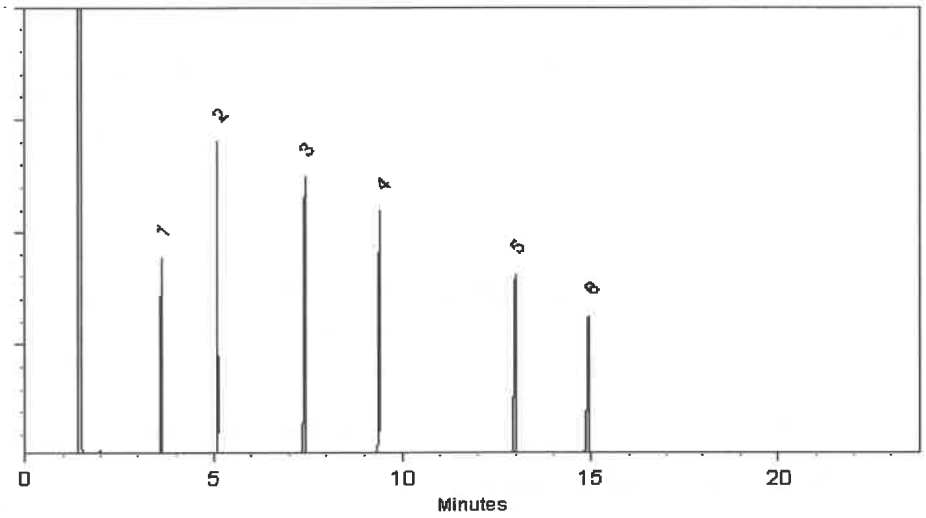
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Certificate of Analysis

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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110 Benner Circle
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

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Solvent: Methylene chloride
CAS # 75-09-2
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S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
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Solvent: Methylene chloride
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Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

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Date Mixed: 18-Jul-2024 **Balance:** 1128360905

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

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Date Mixed: 18-Jul-2024 **Balance:** 1128360905

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

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Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~S12280~~ ↓ ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 ↓ S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.



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. Q1488
COC Number 2046197

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannet Fleming
ADDRESS: 1010 Adams Ave
CITY Audubon STATE: PA ZIP: 19405
ATTENTION: Joe Krupensky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Anfrak replacement at SB
PROJECT NO. 95000060818 LOCATION: Kearny NJ
PROJECT MANAGER: Joe Krupensky
e-mail: RaQC@BEMAS.COM
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield St
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samantha Peasly PHONE: 908-788-3148

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B ☐ Other _____
☐ EDD FORMAT BEM EDD

ANALYSIS

1. PCBs
2. TAL metals
3. TCL-VOC+10
4. Hex chromium
5. TCL-SVOCs-BNA-20
6. EPH
7. RCRA
8. TCLP
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	ENV-101-SB01	S		X	3/4/25	910	9	X	X	X	X	X	X	X	X		
2.	ENV-101-SB02	S				920	8	X	X	X	X	X	X	X	X		
3.	ENV-102-SB01	S				1005	9	X	X	X	X	X	X	X	X		
4.	ENV-102-SB02	S				1025	9	X	X	X	X	X	X	X	X		
5.	ENV-102-GW01	GW				1045	8	X	X	X	X	X	X				
6.	ENV-104-SB01	S				1200	9	X	X	X	X	X	X	X	X		
7.	ENV-104-SB02	S				1210	9	X	X	X	X	X	X	X	X		
8.	ENV-104-GW01	GW				1230	8	X	X	X	X	X	X				
9.	TB03042025	W				NA	2			X							
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	3/4/25 1412	1. 3-4-25 1412
2.		2.
3.	3-4-25 1527	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.7 °C
Comments:

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

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

Alliance TECHNICAL GROUP

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1488 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 3/4/2025 3:39:00 PM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 3/4/2025 3:27:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1488-01	ENV-101-SB01	Solid	03/04/2025	09:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1488-03	ENV-101-SB02	Solid	03/04/2025	09:20					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1488-05	ENV-102-SB01	Solid	03/04/2025	10:05					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1488-07	ENV-102-SB02	Solid	03/04/2025	10:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1488-09	ENV-104-SB01	Solid	03/04/2025	12:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1488-11	ENV-104-SB02	Solid	03/04/2025	12:10					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1488-13	ENV-102-GW01	Water	03/04/2025	10:45					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1488-14	ENV-104-GW01	Water	03/04/2025	12:30					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1488 PORT06
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Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	
Q1488-15	TB03042025	Water	03/04/2025	00:00					
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinguished By:
Date / Time : 3-4-25 1615

Received By :
Date / Time : 3.4.25 16:15

Storage Area : VOA Refridgerator Room