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

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : FORMER SCHLUMBERGER SITE PRINCETON NJ

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : P3657

ATTENTION : Mary I. Murphy

Laboratory Certification ID # 20012

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Cover Page

Order ID : P3657

Project ID : Former Schlumberger Site Princeton NJ

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
P3657-01	917-J-WS-081624
P3657-02	TB-01-081624

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 : N. N. Pandya

APPROVED
Nimisha Pandya, QA/QC Supervisor , 10/30/2024, 11:31:07 AM

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger Site Princeton NJ
Project # N/A
Chemtech Project # P3657
Test Name: SVOCMS Group6

A. Number of Samples and Date of Receipt:
2 Water samples were received on 08/16/2024.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Hexavalent Chromium, Mercury, Metals Group4, SVOCMS Group3, SVOCMS Group6 and VOCMS Group6. This data package contains results for SVOCMS Group6.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_P 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 SVOCMS Group6 was based on method 8270E and extraction was done based on method 3510.

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

The Surrogate recoveries met the acceptable criteria except for 917-J-WS-081624 [2,4,6-Tribromophenol - 119%], this compound 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 RPD for {PB162822BSD} with File ID: BP021569.D met criteria except for Benzaldehyde[24%], this compound did not meet the NJDKQP criteria and in-house criteria due to difference in results of BS and BSD.

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

The % RSD is greater than 15% in the Initial Calibration (8270-BP081324.M) for 2,4-Dinitrotoluene, this compound is passing on Linear Regression.

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The Continuous Calibration File ID BP021566.D met the requirements except for 2,4-Dinitrotoluene and Pentachlorophenol but associated QC within limits therefore no corrective action taken.

The Continuous Calibration File ID BP021575.D met the requirements except for 2,4-Dinitrotoluene and Pentachlorophenol but associated sample having no positive hit therefore no corrective action taken.

The Tuning criteria met requirements.

E. Additional Comments:
This data package has been revised due to parameter list changed.

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 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 N. N. Pandya

APPROVED
Nimisha Pandya, QA/QC Supervisor , 10/30/2024, 11:31:15 AM

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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

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P3657 MATRIX: Water

METHOD: 8270E/3510

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.		✓	

The % RSD is greater than 15% in the Initial Calibration (8270-BP081324.M) for 2,4-Dinitrotoluene, this compound is passing on Linear Regression.

The Continuous Calibration File ID BP021566.D met the requirements except for 2,4-Dinitrotoluene and Pentachlorophenol but associated QC within limits therefore no corrective action taken.

The Continuous Calibration File ID BP021575.D met the requirements except for 2,4-Dinitrotoluene and Pentachlorophenol but associated sample having no positive hit therefore no corrective action taken.

6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria		✓	

If not met, list those compounds and their recoveries which fall outside the acceptable ranges.

The Surrogate recoveries met the acceptable criteria except for 917-J-WS-081624 [2,4 and6-Tribromophenol - 119%], this compound did not meet the NJDKQP criteria but met the in-house criteria.

8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria			✓

If not met, list those compounds and their recoveries which fall outside the acceptable range.

The Blank Spike met requirements for all samples .
The Blank Spike Duplicate met requirements for all samples .

GC/MS SEMI-VOLATILE ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:
This data package has been revised due to parameter list changed.

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 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.

S. M. Jodhani
QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 9:19 am, Oct 30, 2024

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P3657

	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: SOHIL JODHANI **Date:** 10/15/2024

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LAB CHRONICLE

OrderID:	P3657	**OrderDate:**	8/16/2024 2:45:00 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ
Contact:	Mary I. Murphy	**Location:**	G11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P3657-01	**917-J-WS-081624**	**Water**			**08/16/24**			**08/16/24**
			SVOCMS Group3	8270-Modified		08/19/24	08/20/24	
			SVOCMS Group6	8270E		08/19/24	08/21/24	

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Hit Summary Sheet
SW-846

SDG No.: P3657

Client: JACOBS Engineering Group, Inc.

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

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: P3657

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P3657-01	917-J-WS-081624	2-Fluorophenol	150	52.1	35		15 (10)	110 (139)
		Phenol-d6	150	32.9	22		15 (10)	110 (134)
		Nitrobenzene-d5	100	82.0	82		30 (49)	130 (133)
		2-Fluorobiphenyl	100	76.3	76		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	179	119	*	15 (44)	110 (137)
		Terphenyl-d14	100	96.0	96		30 (48)	130 (125)
PB162822BL	PB162822BL	2-Fluorophenol	150	130	87		15 (10)	110 (139)
		Phenol-d6	150	120	80		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.5	91		30 (49)	130 (133)
		2-Fluorobiphenyl	100	78.7	79		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	158	105		15 (44)	110 (137)
		Terphenyl-d14	100	82.4	82		30 (48)	130 (125)
PB162822BS	PB162822BS	2-Fluorophenol	150	139	93		15 (10)	110 (139)
		Phenol-d6	150	131	87		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.7	94		30 (49)	130 (133)
		2-Fluorobiphenyl	100	79.6	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	157	105		15 (44)	110 (137)
		Terphenyl-d14	100	85.2	85		30 (48)	130 (125)
PB162822BSD	PB162822BSD	2-Fluorophenol	150	137	91		15 (10)	110 (139)
		Phenol-d6	150	128	85		15 (10)	110 (134)
		Nitrobenzene-d5	100	93.0	93		30 (49)	130 (133)
		2-Fluorobiphenyl	100	80.2	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	154	103		15 (44)	110 (137)
		Terphenyl-d14	100	88.7	89		30 (48)	130 (125)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3657

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BP021568.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB162822BS	Pyridine	50	28.7	ug/L	57				20 (29)	160 (97)	
	Benzaldehyde	50	16.8	ug/L	34				20 (10)	160 (162)	
	2-Methylphenol	50	49.7	ug/L	99				70 (69)	130 (109)	
	3+4-Methylphenols	50	51.5	ug/L	103				20 (67)	160 (106)	
	Hexachloroethane	50	45.4	ug/L	91				20 (76)	160 (118)	
	Nitrobenzene	50	44.7	ug/L	89				70 (58)	130 (106)	
	Naphthalene	50	43.9	ug/L	88				70 (64)	130 (107)	
	Hexachlorobutadiene	50	41.5	ug/L	83				70 (69)	130 (101)	
	2-Methylnaphthalene	50	44.8	ug/L	90				70 (64)	130 (107)	
	2,4,6-Trichlorophenol	50	57.1	ug/L	114				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	55.3	ug/L	111				70 (70)	130 (106)	
	Acenaphthylene	50	48.9	ug/L	98				70 (79)	130 (103)	
	Acenaphthene	50	51.6	ug/L	103				70 (59)	130 (113)	
	Dibenzofuran	50	45.7	ug/L	91				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	58.1	ug/L	116				70 (60)	130 (115)	
	Fluorene	50	43.7	ug/L	87				70 (64)	130 (107)	
	Hexachlorobenzene	50	44.5	ug/L	89				70 (73)	130 (106)	
	Pentachlorophenol	100	110	ug/L	110				20 (47)	160 (114)	
	Phenanthrene	50	46.6	ug/L	93				70 (62)	130 (109)	
	Anthracene	50	47.6	ug/L	95				70 (65)	130 (110)	
	Carbazole	50	47.8	ug/L	96				70 (62)	130 (106)	
	Di-n-butylphthalate	50	48.4	ug/L	97				70 (64)	130 (106)	
	Fluoranthene	50	46.1	ug/L	92				70 (64)	130 (110)	
	Pyrene	50	48.5	ug/L	97				70 (71)	130 (103)	
	Benzo(a)anthracene	50	47.9	ug/L	96				70 (62)	130 (107)	
	Chrysene	50	48.0	ug/L	96				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	54.2	ug/L	108				70 (59)	130 (110)	
	Benzo(b)fluoranthene	50	51.7	ug/L	103				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	50.4	ug/L	101				70 (77)	130 (105)	
	Benzo(a)pyrene	50	54.3	ug/L	109				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	54.2	ug/L	108				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	53.3	ug/L	107				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	51.4	ug/L	103				70 (75)	130 (118)	
	1,4-Dioxane	50	28.5	ug/L	57				20 (38)	160 (125)	
	1-Methylnaphthalene	50	42.7	ug/L	85				70 (51)	130 (114)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P3657

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BP021569.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB162822BSD	Pyridine	50	28.8	ug/L	58	0			20 (29)	160 (97)	20 (20)
	Benzaldehyde	50	21.4	ug/L	43	24		*	20 (10)	160 (162)	20 (20)
	2-Methylphenol	50	48.7	ug/L	97	2			70 (69)	130 (109)	20 (20)
	3+4-Methylphenols	50	50.1	ug/L	100	3			20 (67)	160 (106)	20 (20)
	Hexachloroethane	50	44.9	ug/L	90	1			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	44.7	ug/L	89	0			70 (58)	130 (106)	20 (20)
	Naphthalene	50	43.7	ug/L	87	0			70 (64)	130 (107)	20 (20)
	Hexachlorobutadiene	50	41.6	ug/L	83	0			70 (69)	130 (101)	20 (20)
	2-Methylnaphthalene	50	44.2	ug/L	88	1			70 (64)	130 (107)	20 (20)
	2,4,6-Trichlorophenol	50	57.4	ug/L	115	1			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	55.2	ug/L	110	0			70 (70)	130 (106)	20 (20)
	Acenaphthylene	50	49.4	ug/L	99	1			70 (79)	130 (103)	20 (20)
	Acenaphthene	50	51.4	ug/L	103	0			70 (59)	130 (113)	20 (20)
	Dibenzofuran	50	46.3	ug/L	93	1			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	57.8	ug/L	116	1			70 (60)	130 (115)	20 (20)
	Fluorene	50	43.6	ug/L	87	0			70 (64)	130 (107)	20 (20)
	Hexachlorobenzene	50	45.0	ug/L	90	1			70 (73)	130 (106)	20 (20)
	Pentachlorophenol	100	110	ug/L	110	0			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	47.6	ug/L	95	2			70 (62)	130 (109)	20 (20)
	Anthracene	50	48.7	ug/L	97	2			70 (65)	130 (110)	20 (20)
	Carbazole	50	48.9	ug/L	98	2			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	48.1	ug/L	96	1			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	46.4	ug/L	93	1			70 (64)	130 (110)	20 (20)
	Pyrene	50	48.0	ug/L	96	1			70 (71)	130 (103)	20 (20)
	Benzo(a)anthracene	50	48.7	ug/L	97	2			70 (62)	130 (107)	20 (20)
	Chrysene	50	48.8	ug/L	98	2			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	53.5	ug/L	107	1			70 (59)	130 (110)	20 (20)
	Benzo(b)fluoranthene	50	49.6	ug/L	99	4			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	51.0	ug/L	102	1			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	54.0	ug/L	108	1			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	53.9	ug/L	108	1			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	53.3	ug/L	107	0			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	50.9	ug/L	102	1			70 (75)	130 (118)	20 (20)
	1,4-Dioxane	50	28.8	ug/L	58	1			20 (38)	160 (125)	20 (20)
	1-Methylnaphthalene	50	42.0	ug/L	84	2			70 (51)	130 (114)	20 (20)

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162822BL

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3657 SAS No.: P3657 SDG NO.: P3657

Lab File ID: BP021567.D Lab Sample ID: PB162822BL

Instrument ID: BNA_P Date Extracted: 08/19/2024

Matrix: (soil/water) Water Date Analyzed: 08/20/2024

Level: (low/med) LOW Time Analyzed: 10:49

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162822BS	PB162822BS	BP021568.D	08/20/2024
PB162822BSD	PB162822BSD	BP021569.D	08/20/2024
917-J-WS-081624	P3657-01	BP021589.D	08/21/2024

COMMENTS:

Form IV SV

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3657 SDG NO.: P3657

Lab File ID: BP021480.D DFTPP Injection Date: 08/13/2024

Instrument ID: BNA_P DFTPP Injection Time: 11:49

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.1
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	40.6
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	43.9
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	28.5
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	15
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.7 (19.3) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP021481.D	08/13/2024	12:32
SSTDICC005	SSTDICC005	BP021482.D	08/13/2024	13:15
SSTDICC010	SSTDICC010	BP021483.D	08/13/2024	13:59
SSTDICC020	SSTDICC020	BP021484.D	08/13/2024	14:42
SSTDICCC040	SSTDICCC040	BP021485.D	08/13/2024	15:26
SSTDICC050	SSTDICC050	BP021486.D	08/13/2024	16:09
SSTDICC060	SSTDICC060	BP021487.D	08/13/2024	16:53
SSTDICC080	SSTDICC080	BP021488.D	08/13/2024	17:36

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3657 SDG NO.: P3657

Lab File ID: BP021565.D DFTPP Injection Date: 08/20/2024

Instrument ID: BNA_P DFTPP Injection Time: 09:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.2
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	36.7
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	44.9
197	Less than 2.0% of mass 198	0.5
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	28.9
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	14.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.2 (19.1) 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	BP021566.D	08/20/2024	10:07
PB162822BL	PB162822BL	BP021567.D	08/20/2024	10:49
PB162822BS	PB162822BS	BP021568.D	08/20/2024	11:31
PB162822BSD	PB162822BSD	BP021569.D	08/20/2024	12:13

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: P3657 SDG NO.: P3657

Lab File ID: BP021574.D DFTPP Injection Date: 08/20/2024

Instrument ID: BNA_P DFTPP Injection Time: 15:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.5
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	36.5
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	44.3
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	30.1
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.8 (19.1) 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	BP021575.D	08/20/2024	16:40
917-J-WS-081624	P3657-01	BP021589.D	08/21/2024	02:44

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P3657 SAS No.: P3657 SDG NO.: P3657

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/20/2024

Lab File ID: BP021566.D Time Analyzed: 10:07

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	357434	7.805	1454010	10.59	971251	14.45
	UPPER LIMIT	714868	8.305	2908020	11.093	1942500	14.951
	LOWER LIMIT	178717	7.305	727005	10.093	485626	13.951
	EPA SAMPLE NO.						
01	PB162822BL	385209	7.81	1560540	10.59	1021930	14.45
02	PB162822BS	494651	7.81	2073180	10.60	1389380	14.45
03	PB162822BSD	491039	7.81	2018200	10.59	1318740	14.46

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.: P3657 SAS No.: P3657 SDG NO.: P3657

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/20/2024

Lab File ID: BP021566.D Time Analyzed: 10:07

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2102940	17.263	2067040	21.727	2510090	25.174
	UPPER LIMIT	4205880	17.763	4134080	22.227	5020180	25.674
	LOWER LIMIT	1051470	16.763	1033520	21.227	1255050	24.674
	EPA SAMPLE NO.						
01	PB162822BL	2408800	17.26	2576180	21.72	2892860	25.18
02	PB162822BS	3038380	17.26	2684400	21.73	2880700	25.17
03	PB162822BSD	2796130	17.27	2515500	21.74	2791670	25.19

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.: P3657 SAS No.: P3657 SDG NO.: P3657

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/20/2024

Lab File ID: BP021575.D Time Analyzed: 16:40

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	372530	7.805	1563750	10.59	1068850	14.46
	UPPER LIMIT	745060	8.305	3127500	11.093	2137700	14.963
	LOWER LIMIT	186265	7.305	781875	10.093	534425	13.963
	EPA SAMPLE NO.						
01	917-J-WS-081624	352980	7.81	1458860	10.60	956855	14.46

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.: P3657 SAS No.: P3657 SDG NO.: P3657

EPA Sample No.: SSTDCCC040 Date Analyzed: 08/20/2024

Lab File ID: BP021575.D Time Analyzed: 16:40

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2403930	17.275	2426350	21.739	2940310	25.18
	UPPER LIMIT	4807860	17.775	4852700	22.239	5880620	25.68
	LOWER LIMIT	1201970	16.775	1213180	21.239	1470160	24.68
	EPA SAMPLE NO.						
01	917-J-WS-081624	2099850	17.27	1963860	21.73	2261180	25.17

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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/16/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/16/24
Client Sample ID:	917-J-WS-081624	SDG No.:	P3657
Lab Sample ID:	P3657-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
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
BP021589.D	1	08/19/24 09:40	08/21/24 02:44	PB162822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.20	ug/L
100-52-7	Benzaldehyde	4.20	U	4.20	10.4	ug/L
95-48-7	2-Methylphenol	1.20	U	1.20	5.20	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.4	ug/L
67-72-1	Hexachloroethane	1.10	U	1.10	5.20	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.20	ug/L
91-20-3	Naphthalene	1.10	U	1.10	5.20	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.20	ug/L
91-57-6	2-Methylnaphthalene	1.20	U	1.20	5.20	ug/L
88-06-2	2,4,6-Trichlorophenol	0.93	U	0.93	5.20	ug/L
95-95-4	2,4,5-Trichlorophenol	1.10	U	1.10	5.20	ug/L
208-96-8	Acenaphthylene	1.10	U	1.10	5.20	ug/L
83-32-9	Acenaphthene	0.84	U	0.84	5.20	ug/L
132-64-9	Dibenzofuran	0.97	U	0.97	5.20	ug/L
121-14-2	2,4-Dinitrotoluene	1.60	U	1.60	5.20	ug/L
86-73-7	Fluorene	1.00	U	1.00	5.20	ug/L
118-74-1	Hexachlorobenzene	1.20	U	1.20	5.20	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.4	ug/L
85-01-8	Phenanthrene	0.93	U	0.93	5.20	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.20	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.20	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.20	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.20	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.20	ug/L
56-55-3	Benzo(a)anthracene	0.98	U	0.98	5.20	ug/L
218-01-9	Chrysene	0.90	U	0.90	5.20	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.00	U	2.00	5.20	ug/L
205-99-2	Benzo(b)fluoranthene	1.20	U	1.20	5.20	ug/L
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.20	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/16/24
Project:	Former Schlumberger Site Princeton NJ	Date Received:	08/16/24
Client Sample ID:	917-J-WS-081624	SDG No.:	P3657
Lab Sample ID:	P3657-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
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
BP021589.D	1	08/19/24 09:40	08/21/24 02:44	PB162822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.10	U	1.10	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.20	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.20	ug/L
90-12-0	1-Methylnaphthalene	0.90	U	0.90	5.20	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	52.1		15 (10) - 110 (139)	35%	SPK: 150
13127-88-3	Phenol-d6	32.9		15 (10) - 110 (134)	22%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.0		30 (49) - 130 (133)	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.3		30 (52) - 130 (132)	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	179	*	15 (44) - 110 (137)	119%	SPK: 150
1718-51-0	Terphenyl-d14	96.0		30 (48) - 130 (125)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	353000	7.805			
1146-65-2	Naphthalene-d8	1460000	10.599			
15067-26-2	Acenaphthene-d10	957000	14.457			
1517-22-2	Phenanthrene-d10	2100000	17.269			
1719-03-5	Chrysene-d12	1960000	21.727			
1520-96-3	Perylene-d12	2260000	25.168			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021589.D
Acq On : 21 Aug 2024 02:44
Operator : RC/JU
Sample : P3657-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
917-J-WS-081624

Quant Time: Aug 21 05:40:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

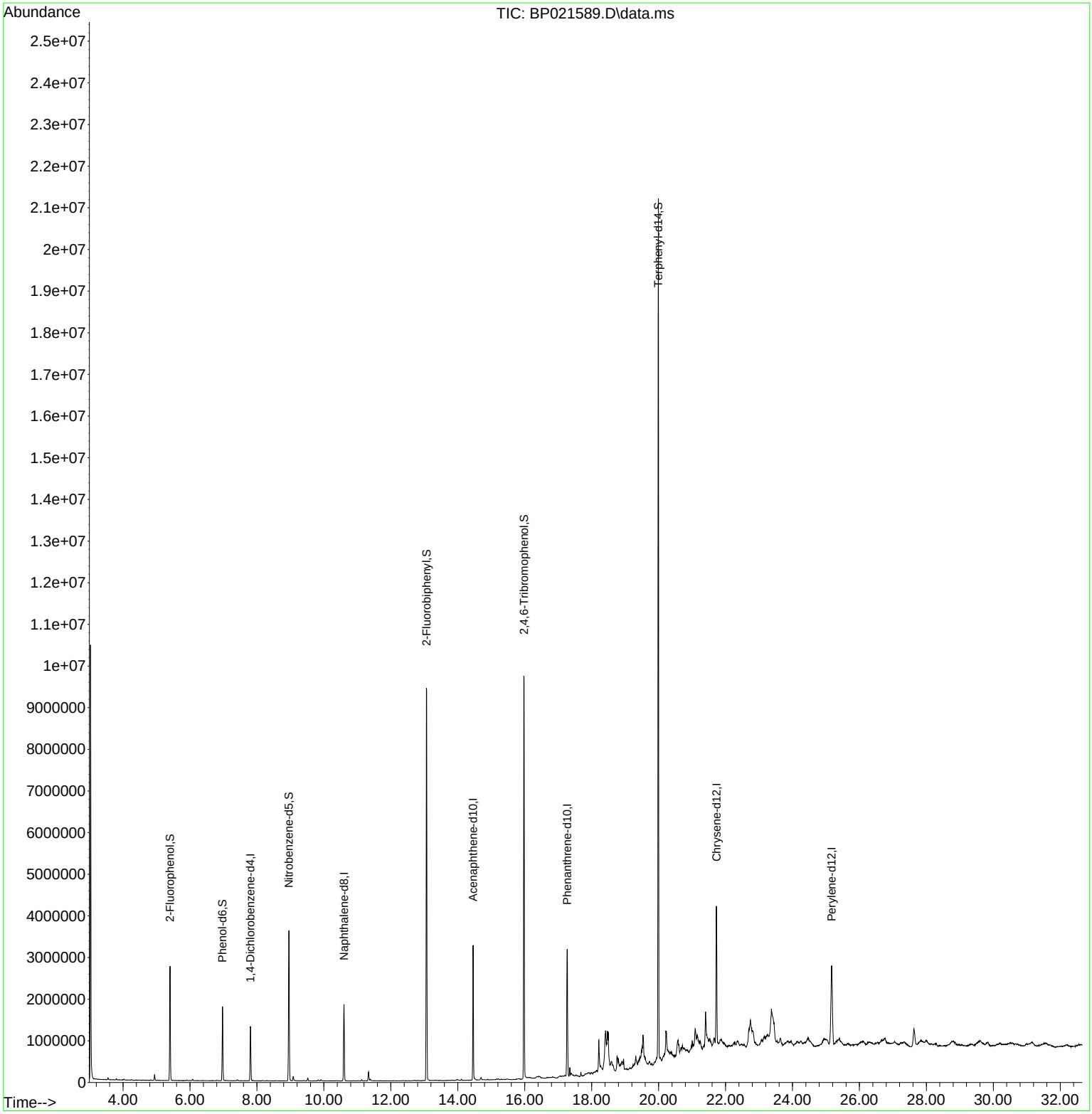
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	352980	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	1458861	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	956855	20.000	ng	0.00
64) Phenanthrene-d10	17.269	188	2099848	20.000	ng	0.02
76) Chrysene-d12	21.727	240	1963856	20.000	ng	0.03
86) Perylene-d12	25.168	264	2261178	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.405	112	1238318	52.092	ng	0.01
7) Phenol-d6	6.969	99	1142521	32.947	ng	0.00
23) Nitrobenzene-d5	8.952	82	2318497	82.029	ng	0.00
42) 2,4,6-Tribromophenol	15.981	330	1906699	179.043	ng	0.01
45) 2-Fluorobiphenyl	13.069	172	4784620	76.313	ng	0.00
79) Terphenyl-d14	19.992	244	9705536	96.011	ng	0.02
Target Compounds						Qvalue

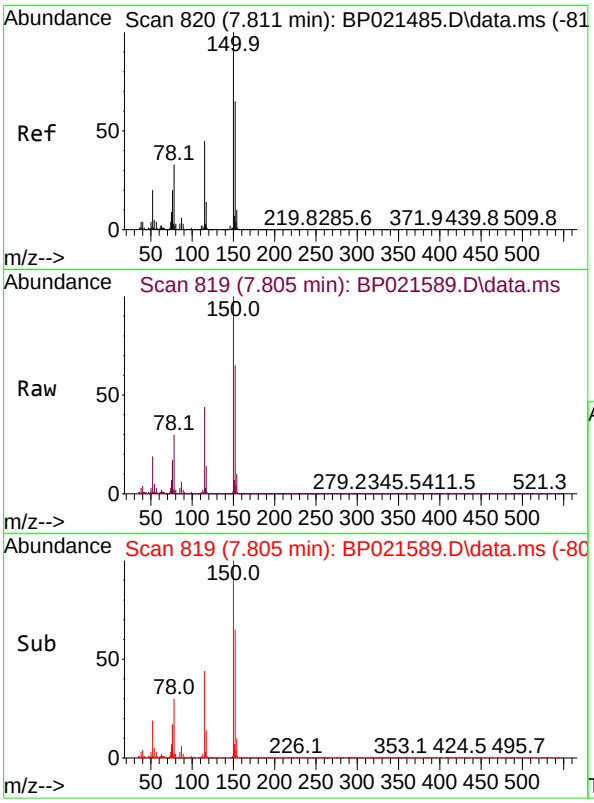
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021589.D
Acq On : 21 Aug 2024 02:44
Operator : RC/JU
Sample : P3657-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
917-J-WS-081624

Quant Time: Aug 21 05:40:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration



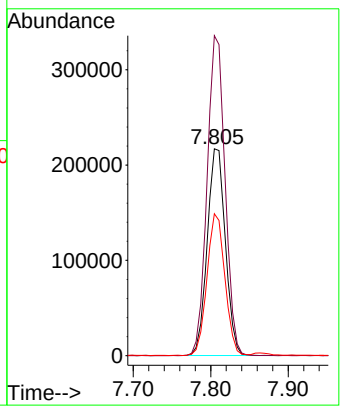


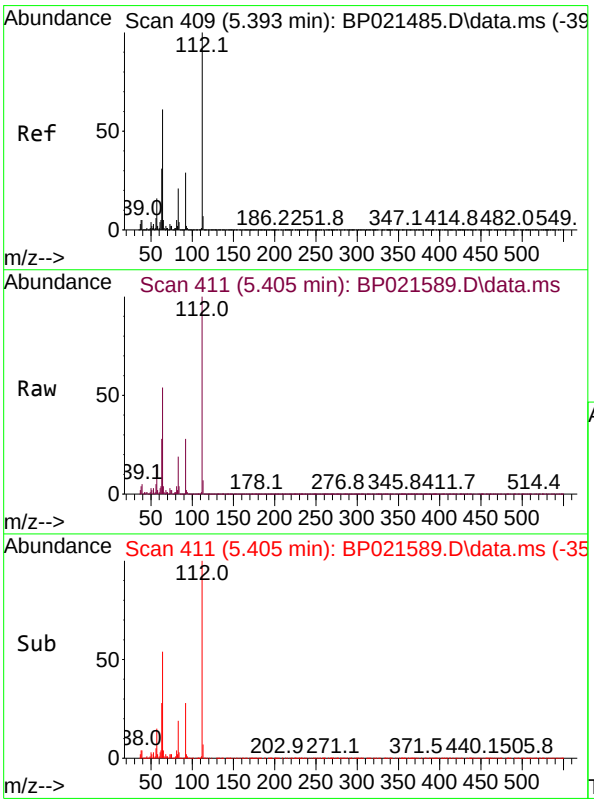
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021589.D
Acq: 21 Aug 2024 02:44

Instrument :
BNA_P
ClientSampleId :
917-J-WS-081624

Tgt Ion:152 Resp: 352980

Ion	Ratio	Lower	Upper
152	100		
150	154.7	122.4	183.6
115	68.6	54.7	82.1

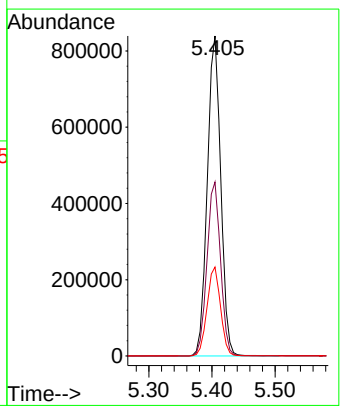


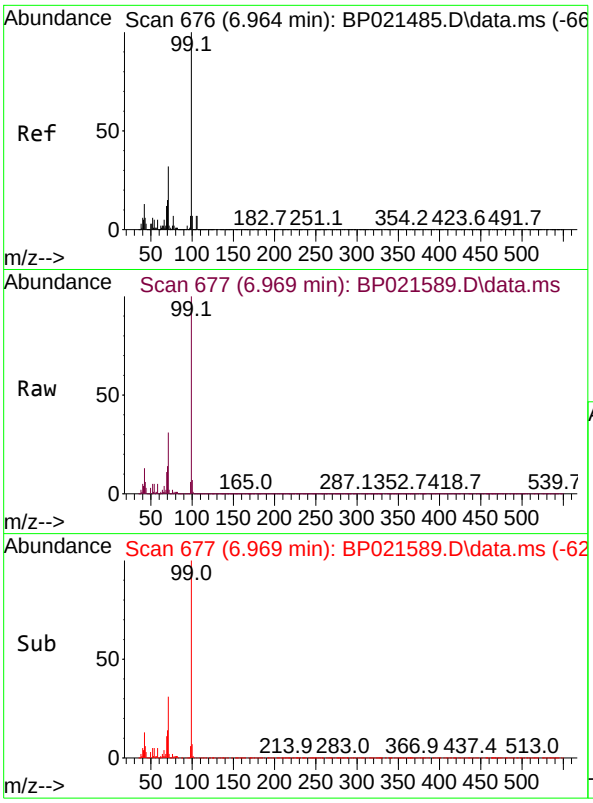


#5
2-Fluorophenol
Concen: 52.092 ng
RT: 5.405 min Scan# 411
Delta R.T. 0.012 min
Lab File: BP021589.D
Acq: 21 Aug 2024 02:44

Tgt Ion:112 Resp: 1238318

Ion	Ratio	Lower	Upper
112	100		
64	54.3	49.0	73.6
63	27.8	24.6	36.8



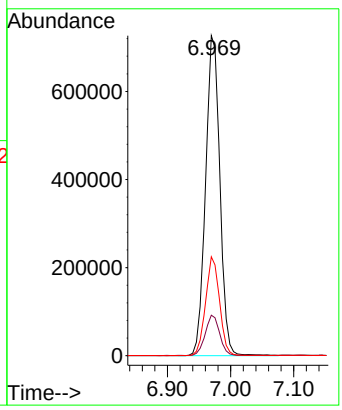


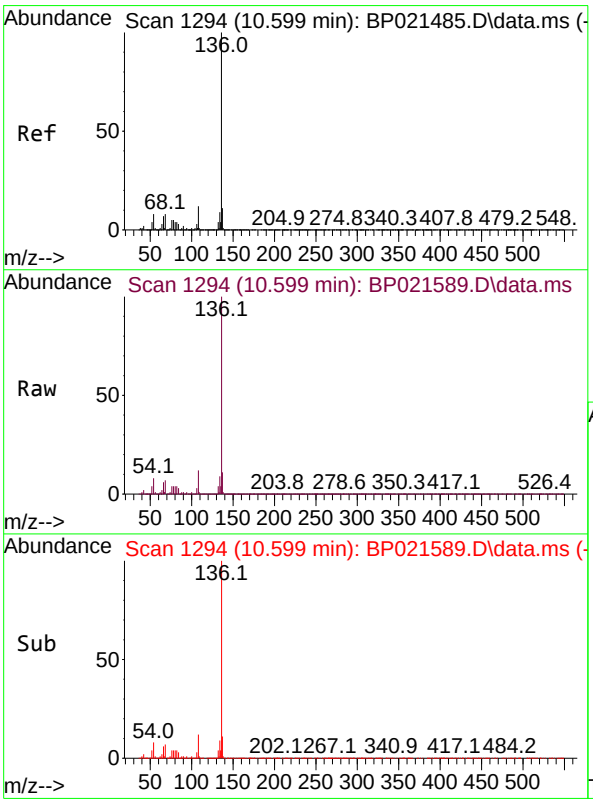
#7
Phenol-d6
Concen: 32.947 ng
RT: 6.969 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP021589.D
Acq: 21 Aug 2024 02:44

Instrument :
BNA_P
ClientSampleId :
917-J-WS-081624

Tgt Ion: 99 Resp: 1142521

Ion	Ratio	Lower	Upper
99	100		
42	12.7	10.2	15.4
71	30.9	25.8	38.8

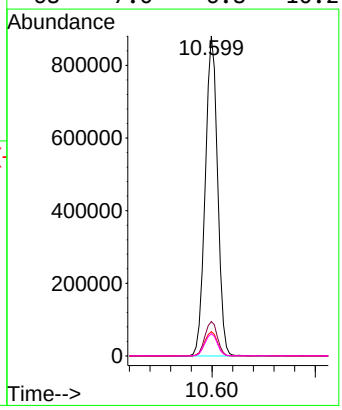


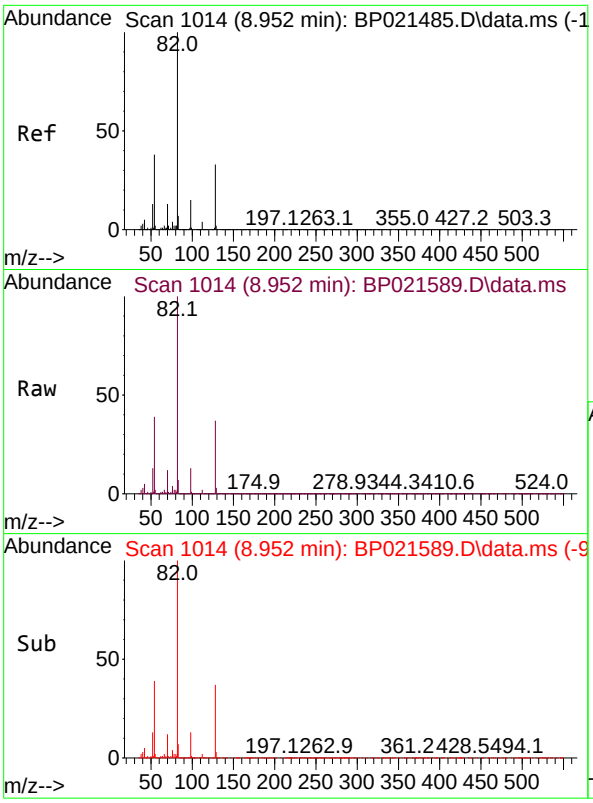


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BP021589.D
Acq: 21 Aug 2024 02:44

Tgt Ion:136 Resp: 1458861

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.6	6.3	9.5
68	7.0	6.8	10.2



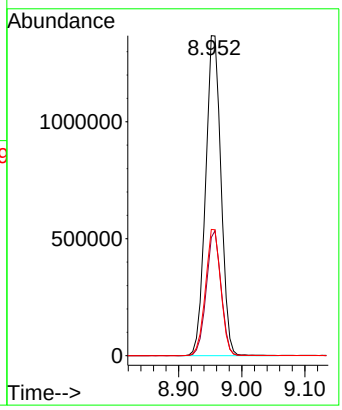


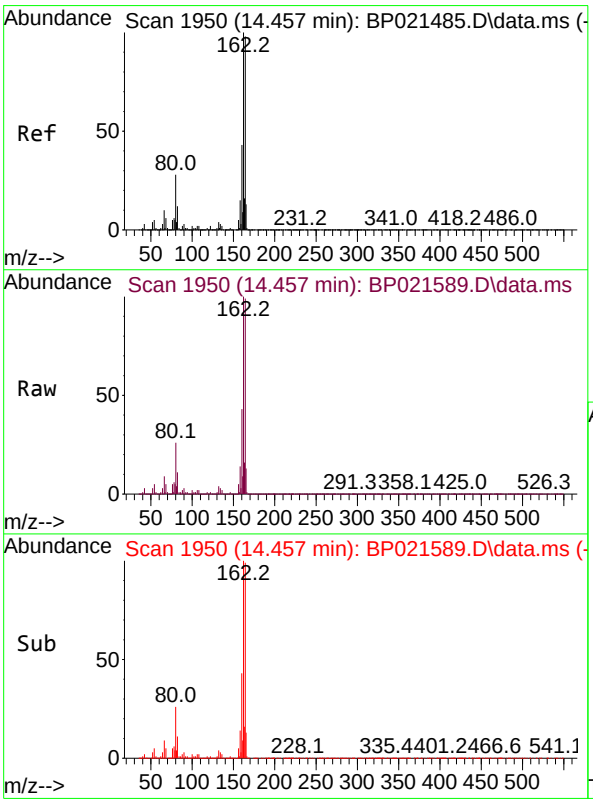
#23
Nitrobenzene-d5
Concen: 82.029 ng
RT: 8.952 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021589.D
Acq: 21 Aug 2024 02:44

Instrument :
BNA_P
ClientSampleId :
917-J-WS-081624

Tgt Ion: 82 Resp: 2318497

Ion	Ratio	Lower	Upper
82	100		
128	37.0	26.5	39.7
54	39.5	30.3	45.5

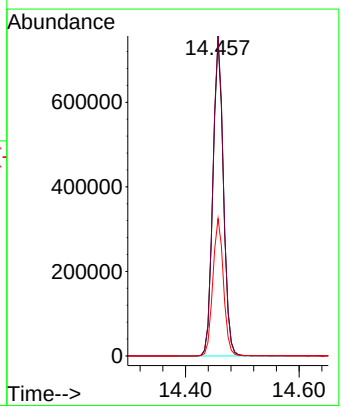


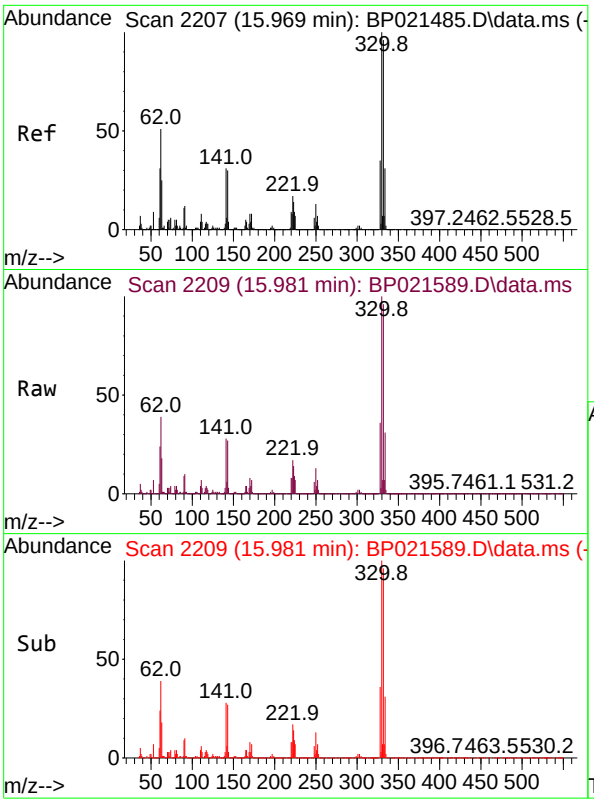


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BP021589.D
Acq: 21 Aug 2024 02:44

Tgt Ion:164 Resp: 956855

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.5	122.3
160	43.6	35.2	52.8



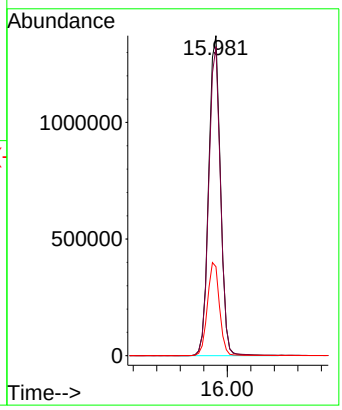


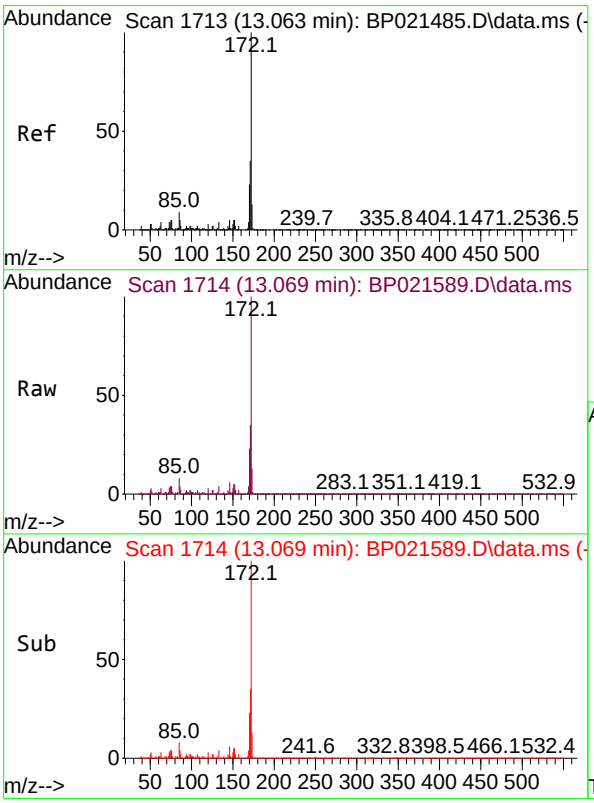
#42
2,4,6-Tribromophenol
Concen: 179.043 ng
RT: 15.981 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP021589.D
Acq: 21 Aug 2024 02:44

Instrument :
BNA_P
ClientSampleId :
917-J-WS-081624

Tgt Ion:330 Resp: 1906699

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	29.8	24.5	36.7

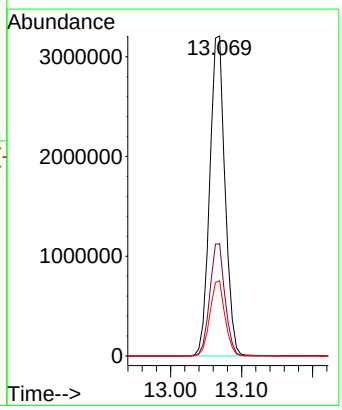


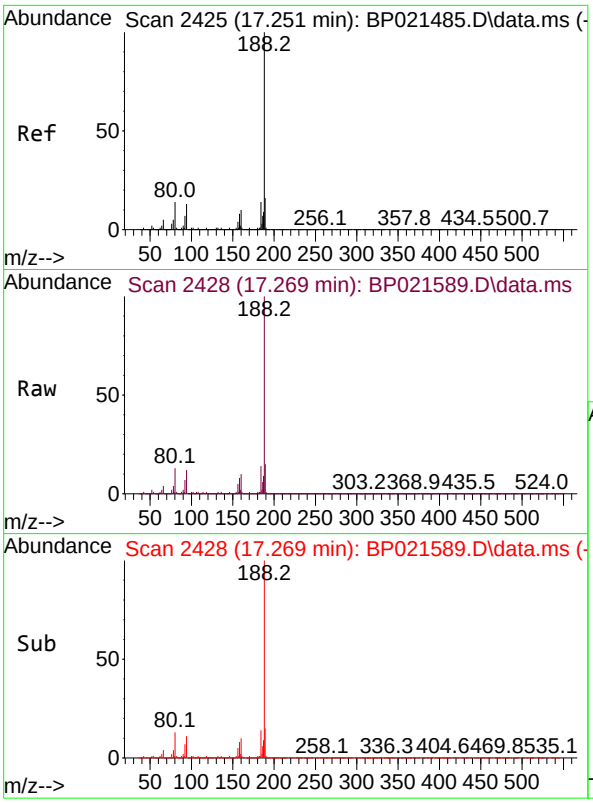


#45
2-Fluorobiphenyl
Concen: 76.313 ng
RT: 13.069 min Scan# 1714
Delta R.T. 0.006 min
Lab File: BP021589.D
Acq: 21 Aug 2024 02:44

Tgt Ion:172 Resp: 4784620

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.5	18.4	27.6



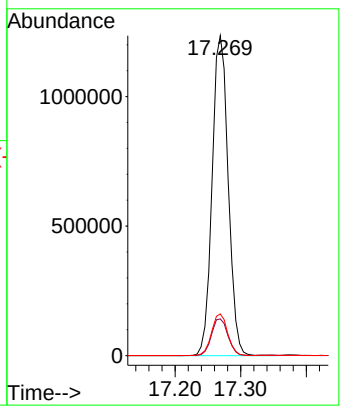


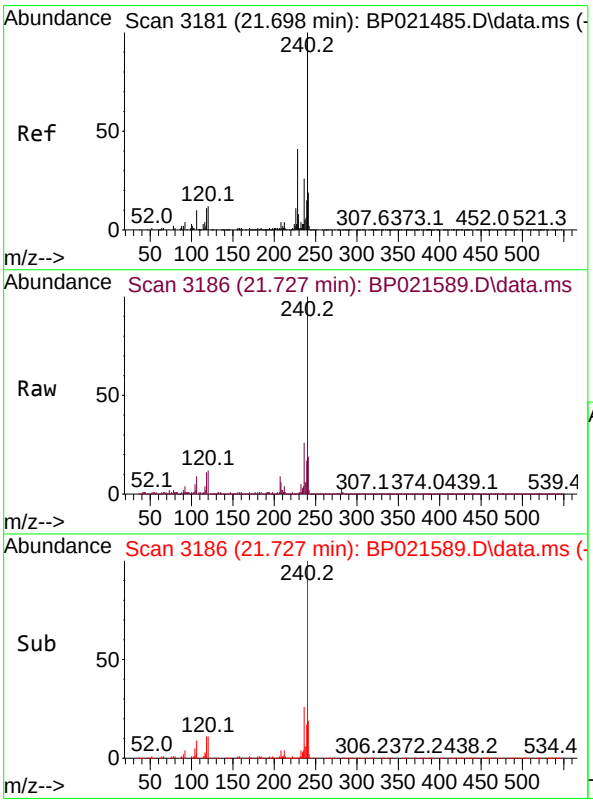
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.269 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP021589.D
Acq: 21 Aug 2024 02:44

Instrument :
BNA_P
ClientSampleId :
917-J-WS-081624

Tgt Ion:188 Resp: 2099848

Ion	Ratio	Lower	Upper
188	100		
94	11.5	10.2	15.4
80	13.1	11.6	17.4

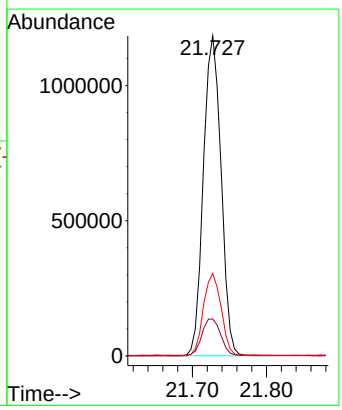


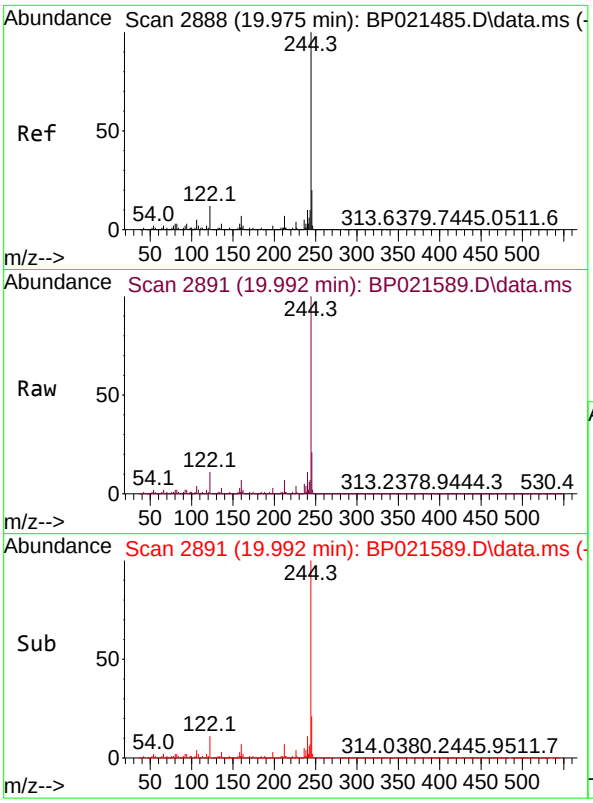


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.727 min Scan# 3186
Delta R.T. 0.029 min
Lab File: BP021589.D
Acq: 21 Aug 2024 02:44

Tgt Ion:240 Resp: 1963856

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.9	14.9
236	25.8	20.6	30.8



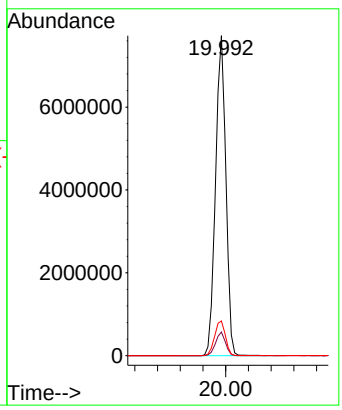


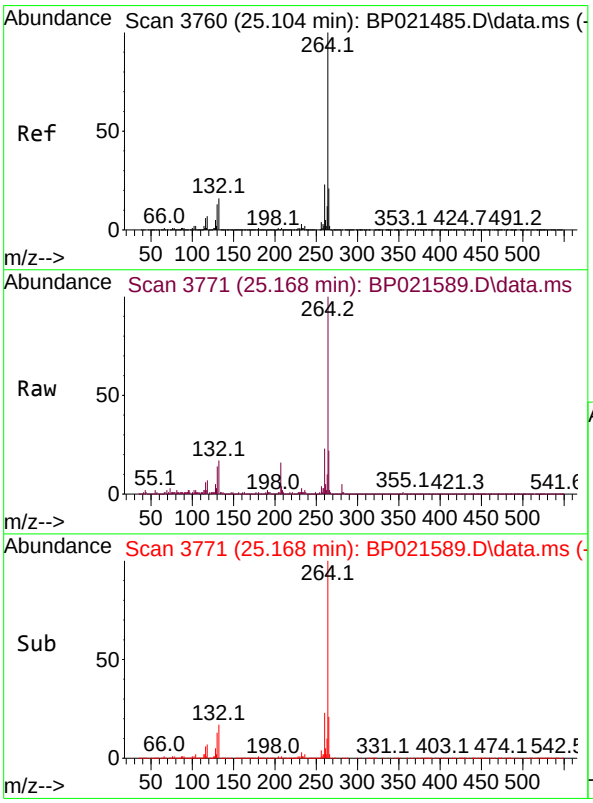
#79
Terphenyl-d14
Concen: 96.011 ng
RT: 19.992 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP021589.D
Acq: 21 Aug 2024 02:44

Instrument :
BNA_P
ClientSampleId :
917-J-WS-081624

Tgt Ion:244 Resp: 9705536

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.6	8.4
122	10.8	9.4	14.2

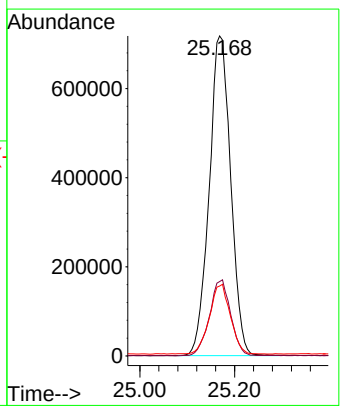




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.168 min Scan# 3771
Delta R.T. 0.065 min
Lab File: BP021589.D
Acq: 21 Aug 2024 02:44

Tgt Ion:264 Resp: 2261178

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.8	17.1	25.7



CALIBRATION SUMMARY

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 14 00:00:30 2024
Response Via : Initial Calibration

Calibration Files
2.5 =BP021481.D 5 =BP021482.D 10 =BP021483.D 20 =BP021484.D 40 =BP021485.D 50 =BP021486.D 60 =BP021487.D 80 =BP0214
88.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.685	0.614	0.681	0.642	0.599	0.645	0.605	0.639	5.45
3)		Pyridine		1.744	1.720	1.915	1.802	1.741	1.834	1.725	1.783	4.02
4)		n-Nitrosodimet...		0.545	0.525	0.568	0.532	0.516	0.546	0.519	0.536	3.41
5)	S	2-Fluorophenol		1.332	1.286	1.405	1.348	1.324	1.401	1.333	1.347	3.18
6)		Aniline		1.964	2.035	2.053	1.978	1.925	1.954	1.841	1.964	3.60
7)	S	Phenol-d6		1.897	1.960	2.062	1.978	1.953	1.998	1.905	1.965	2.87
8)		2-Chlorophenol		1.199	1.221	1.291	1.250	1.236	1.285	1.232	1.245	2.68
9)		Benzaldehyde		1.364	1.447	1.409	1.198	1.073	1.057		1.258	13.68
10)	C	Phenol		1.968	2.023	2.138	2.045	2.020	2.077	1.971	2.035	2.94
11)		bis(2-Chloroet...		1.757	1.800	1.787	1.702	1.680	1.690	1.636	1.722	3.53
12)		1,3-Dichlorobe...		1.579	1.479	1.546	1.452	1.422	1.467	1.404	1.479	4.29
13)	C	1,4-Dichlorobe...		1.571	1.514	1.553	1.475	1.435	1.491	1.413	1.493	3.89
14)		1,2-Dichlorobe...		1.523	1.475	1.513	1.410	1.377	1.416	1.356	1.439	4.57
15)		Benzyl Alcohol		1.306	1.454	1.474	1.415	1.417	1.437	1.365	1.410	4.07
16)		2,2'-oxybis(1-...		1.639	1.716	1.642	1.546	1.549	1.532	1.474	1.585	5.23
17)		2-Methylphenol		1.257	1.313	1.350	1.290	1.277	1.288	1.230	1.286	2.99
18)		Hexachloroethane		0.599	0.590	0.617	0.594	0.587	0.614	0.590	0.599	2.04
19)	P	n-Nitroso-di-n...	1.329	1.436	1.555	1.433	1.340	1.308	1.271	1.185	1.357	8.44
20)		3+4-Methylphenols		1.595	1.820	1.795	1.758	1.734	1.769	1.670	1.734	4.49
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.636	0.621	0.643	0.612	0.591	0.609	0.590	0.614	3.32
23)	S	Nitrobenzene-d5		0.300	0.339	0.386	0.410	0.412	0.436	0.430	0.387	13.07
24)		Nitrobenzene		0.338	0.385	0.430	0.443	0.435	0.460	0.454	0.421	10.43
25)		Isophorone		0.947	0.970	0.951	0.913	0.877	0.886	0.864	0.915	4.51
26)	C	2-Nitrophenol		0.054	0.063	0.076	0.094	0.107	0.120		0.086	30.30#
27)		2,4-Dimethylph...		0.218	0.225	0.232	0.225	0.221	0.233	0.227	0.226	2.34
28)		bis(2-Chloroet...		0.577	0.574	0.572	0.549	0.542	0.554	0.543	0.559	2.72
29)	C	2,4-Dichloroph...		0.226	0.249	0.270	0.273	0.275	0.288	0.288	0.267	8.43
30)		1,2,4-Trichlor...		0.355	0.332	0.347	0.340	0.331	0.349	0.343	0.342	2.61
31)		Naphthalene		1.084	1.041	1.074	1.041	1.002	1.046	1.026	1.045	2.65
32)		Benzoic acid			0.082	0.104	0.129	0.151	0.168	0.187	0.137	29.06
33)		4-Chloroaniline		0.394	0.403	0.406	0.395	0.379	0.389	0.381	0.392	2.58
34)	C	Hexachlorobuta...		0.217	0.213	0.218	0.215	0.210	0.219	0.217	0.215	1.50
35)		Caprolactam		0.099	0.115	0.118	0.114	0.109	0.113	0.110	0.111	5.44
36)	C	4-Chloro-3-met...		0.332	0.375	0.382	0.383	0.370	0.378	0.372	0.370	4.74
37)		2-Methylnaphth...		0.747	0.742	0.730	0.705	0.683	0.701	0.683	0.713	3.75
38)		1-Methylnaphth...		0.742	0.735	0.725	0.697	0.673	0.685	0.666	0.703	4.37

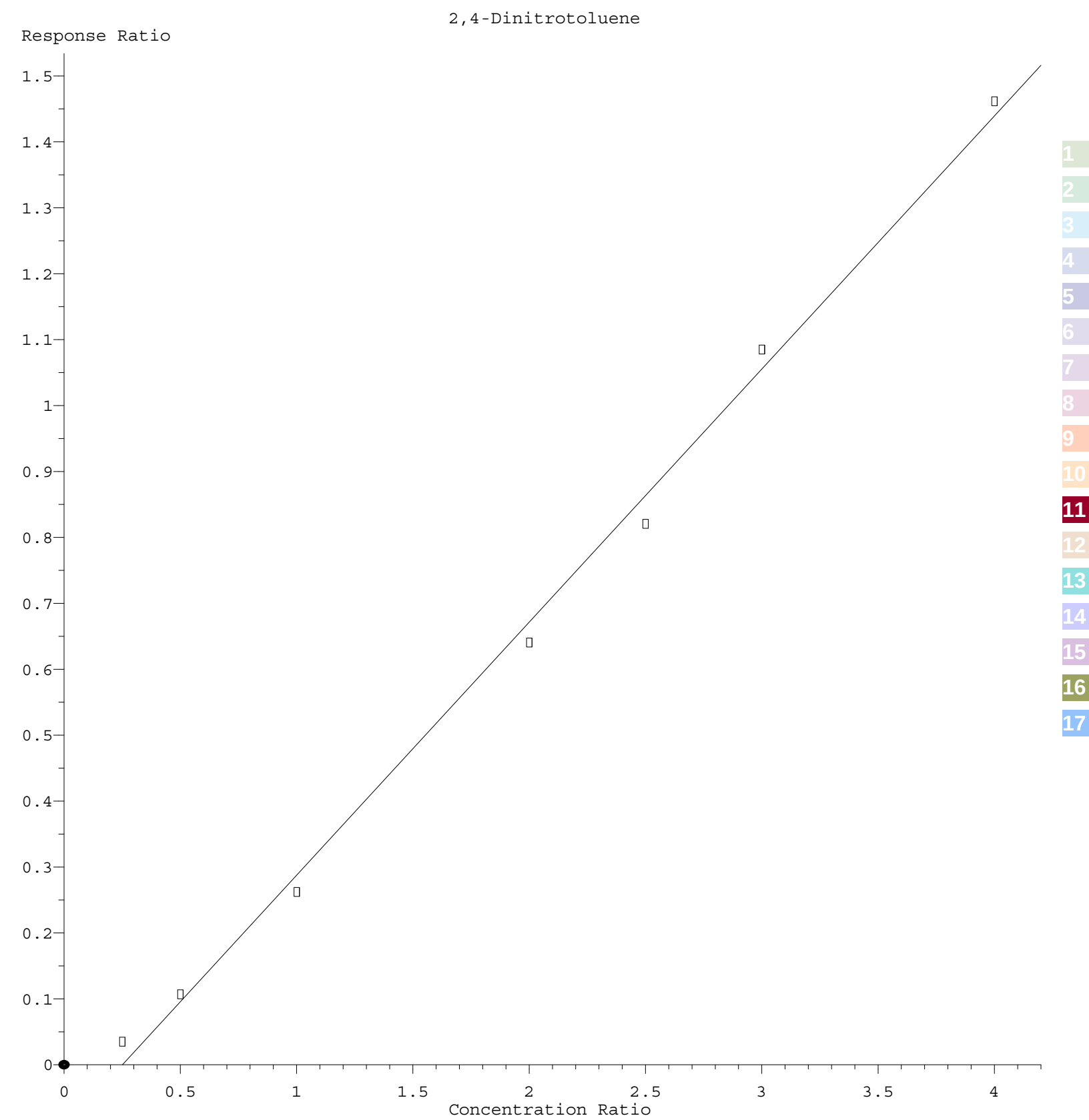
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081324.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.574	0.543	0.592	0.595	0.578	0.616	0.604	0.586	4.05
41)	P	Hexachlorocycl...	0.159	0.153	0.174	0.192	0.195	0.214	0.214	0.186	13.17
42)	S	2,4,6-Tribromo...	0.179	0.204	0.222	0.236	0.231	0.245	0.240	0.223	10.47
43)	C	2,4,6-Trichlor...	0.261	0.284	0.318	0.343	0.339	0.367	0.367	0.326	12.49
44)		2,4,5-Trichlor...	0.284	0.316	0.360	0.382	0.378	0.408	0.404	0.362	12.72
45)	S	2-Fluorobiphenyl	1.371	1.314	1.335	1.327	1.264	1.309	1.253	1.310	3.12
46)		1,1'-Biphenyl	1.462	1.400	1.434	1.428	1.362	1.433	1.386	1.415	2.40
47)		2-Chloronaphth...	1.121	1.075	1.117	1.116	1.065	1.129	1.088	1.102	2.30
48)		2-Nitroaniline	0.146	0.181	0.231	0.285	0.294	0.329	0.328	0.256	28.08
49)		Acenaphthylene	1.660	1.610	1.657	1.645	1.561	1.633	1.570	1.619	2.51
50)		Dimethylphthalate	1.387	1.365	1.369	1.352	1.276	1.340	1.287	1.339	3.17
51)		2,6-Dinitrotol...	0.129	0.187	0.227	0.255	0.261	0.282	0.283	0.232	24.32
52)	C	Acenaphthene	1.094	1.058	1.074	1.073	1.023	1.072	1.042	1.063	2.23
53)		3-Nitroaniline	0.127	0.185	0.221	0.254	0.254	0.279	0.277	0.228	24.33
54)	P	2,4-Dinitrophenol		0.045	0.052	0.066	0.073	0.085	0.093	0.069	27.01
55)		Dibenzofuran	1.735	1.637	1.677	1.649	1.563	1.607	1.575	1.635	3.67
56)	P	4-Nitrophenol		0.141	0.177	0.202	0.201	0.225	0.223	0.195	16.26
57)		2,4-Dinitrotol...	0.140	0.214	0.262	0.320	0.328	0.362	0.365	0.284	29.47
58)		Fluorene	1.431	1.400	1.408	1.354	1.260	1.315	1.233	1.343	5.70
59)		2,3,4,6-Tetrac...	0.250	0.278	0.302	0.328	0.317	0.340	0.333	0.307	10.67
60)		Diethylphthalate	1.405	1.395	1.427	1.397	1.318	1.368	1.310	1.374	3.26
61)		4-Chlorophenyl...	0.741	0.724	0.718	0.695	0.656	0.680	0.644	0.694	5.19
62)		4-Nitroaniline	0.148	0.198	0.242	0.273	0.262	0.288	0.278	0.241	21.07
63)		Azobenzene	1.797	1.779	1.778	1.714	1.555	1.648	1.555	1.689	6.21
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.031	0.039	0.052	0.060	0.069	0.075	0.054	30.94
66)	c	n-Nitrosodiphe...	0.534	0.541	0.549	0.538	0.523	0.534	0.531	0.536	1.52
67)		4-Bromophenyl-...	0.211	0.210	0.212	0.207	0.210	0.215	0.216	0.212	1.39
68)		Hexachlorobenzene	0.255	0.249	0.250	0.252	0.245	0.252	0.248	0.250	1.32
69)		Atrazine	0.181	0.186	0.196	0.191	0.179	0.182	0.174	0.184	4.00
70)	C	Pentachlorophenol		0.108	0.125	0.137	0.143	0.151	0.156	0.137	13.07
71)		Phenanthrene	0.990	0.963	0.998	0.965	0.932	0.952	0.932	0.962	2.71
72)		Anthracene	0.954	0.955	0.970	0.950	0.915	0.943	0.915	0.943	2.21
73)		Carbazole	0.908	0.906	0.941	0.930	0.873	0.913	0.892	0.909	2.49
74)		Di-n-butylphth...	1.049	1.065	1.149	1.149	1.133	1.144	1.126	1.116	3.75
75)	C	Fluoranthene	1.215	1.153	1.233	1.200	1.137	1.179	1.144	1.180	3.17
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.297	0.451	0.477	0.476	0.408	0.409	0.420	16.09
78)		Pyrene	1.283	1.470	1.295	1.290	1.262	1.270	1.282	1.307	5.55
79)	S	Terphenyl-d14	1.069	1.196	1.034	1.006	0.973	0.994	0.935	1.029	8.24
80)		Butylbenzylpht...	0.298	0.365	0.411	0.470	0.489	0.508	0.519	0.437	18.83
81)		Benzo(a)anthra...	1.271	1.247	1.291	1.268	1.224	1.244	1.242	1.256	1.79
82)		3,3'-Dichlorob...	0.349	0.358	0.413	0.428	0.419	0.429	0.422	0.403	8.47
83)		Chrysene	1.213	1.180	1.205	1.197	1.151	1.182	1.169	1.185	1.81
84)		Bis(2-ethylhex...	0.607	0.635	0.741	0.781	0.804	0.800	0.826	0.742	11.70
85)	c	Di-n-octyl pht...		0.839	1.115	1.247	1.285	1.332	1.376	1.199	16.51

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081324.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.244	1.156	1.317	1.327	1.297	1.384	1.350	1.296	5.84
88)		Benzo(b)fluora...	1.106	1.152	1.158	1.155	1.119	1.189	1.163	1.149	2.42
89)		Benzo(k)fluora...	1.115	1.101	1.124	1.141	1.103	1.150	1.110	1.121	1.69
90)	C	Benzo(a)pyrene	0.953	0.953	1.003	1.012	0.996	1.040	1.019	0.997	3.28
91)		Dibenzo(a,h)an...	1.034	0.965	1.106	1.102	1.080	1.144	1.109	1.077	5.54
92)		Benzo(g,h,i)pe...	1.052	0.955	1.096	1.102	1.074	1.151	1.128	1.080	5.91

(#) = Out of Range



Response = 3.838e-001 * Amt - 9.639e-002
Coef of Det (r^2) = 0.996361 Curve Fit: Linear
Method: P:\8270NSVOCMS Group\srv\HPCHEM1\BNA P\Methods\8270E-BP081324.M
Calibration Table Last Updated: Wed Aug 14 00:00:30 2024

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021481.D
Acq On : 13 Aug 2024 12:32
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 13 23:06:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:03:48 2024
Response via : Initial Calibration

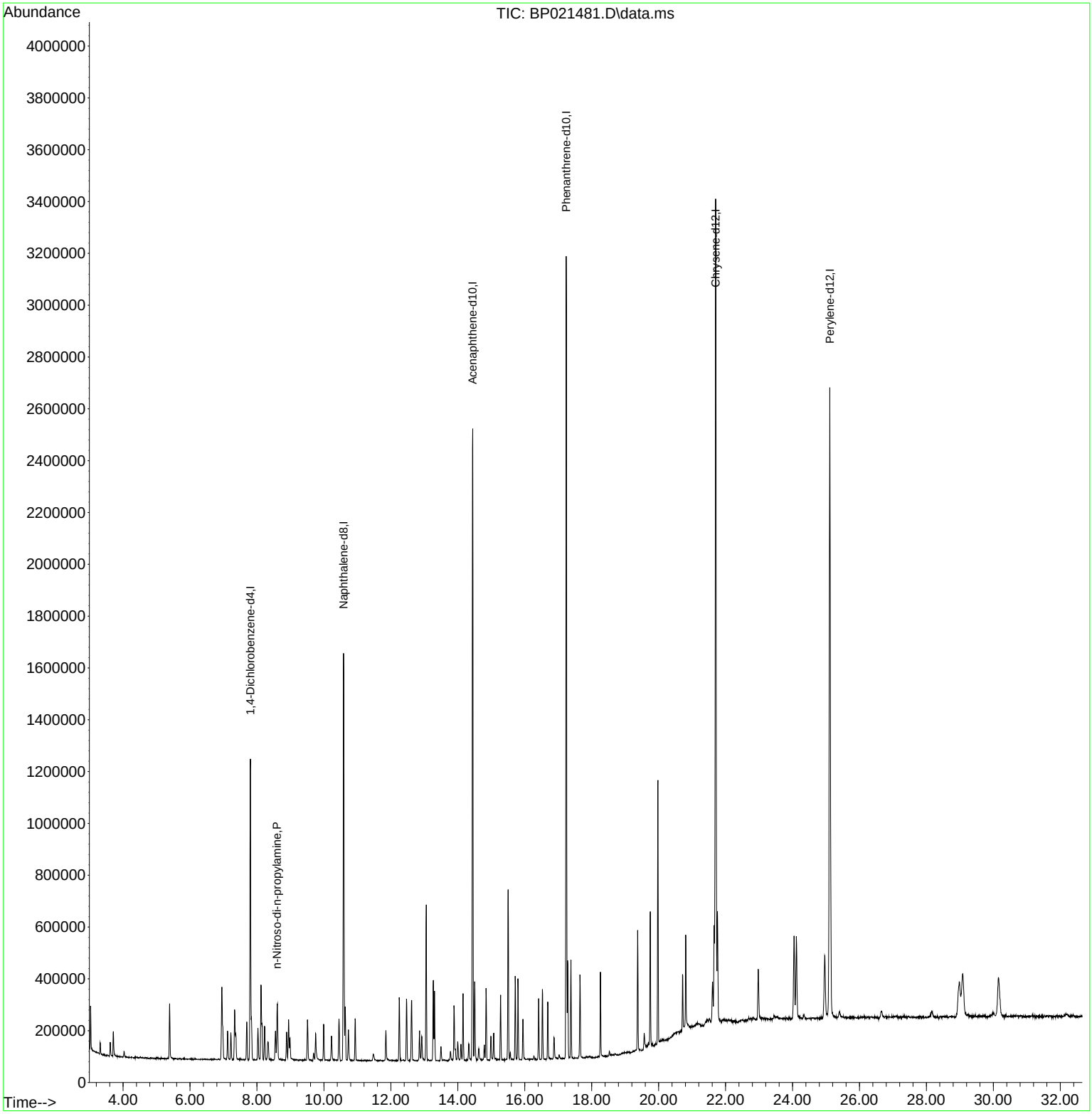
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	291697	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1211879	20.000	ng	-0.01
39) Acenaphthene-d10	14.445	164	840945	20.000	ng	-0.01
64) Phenanthrene-d10	17.239	188	1860621	20.000	ng	-0.01
76) Chrysene-d12	21.704	240	1845246	20.000	ng	0.00
86) Perylene-d12	25.115	264	2154249	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.599	70	48460	2.448	ng	99

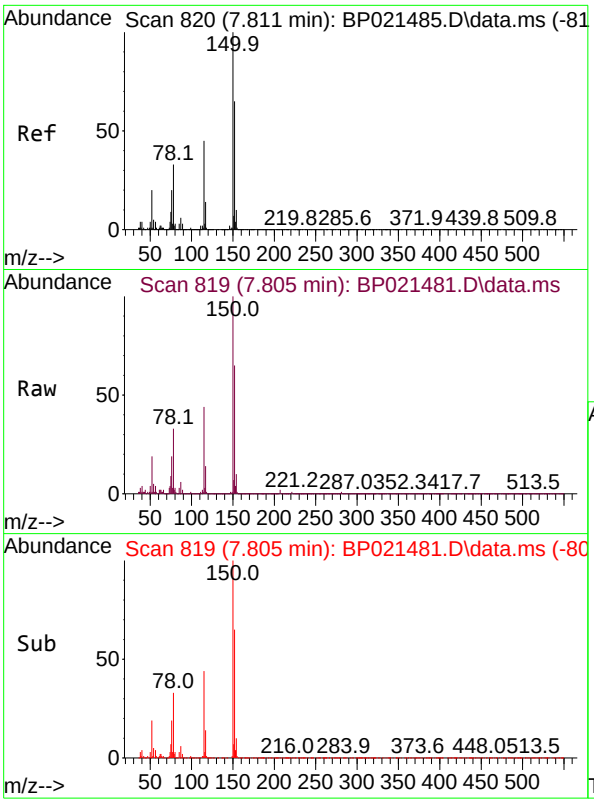
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021481.D
Acq On : 13 Aug 2024 12:32
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Aug 13 23:06:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:03:48 2024
Response via : Initial Calibration



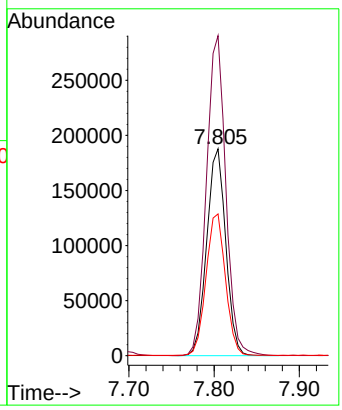


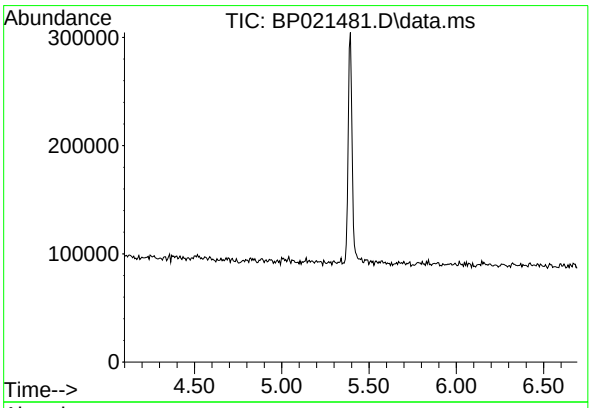
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 291697

Ion	Ratio	Lower	Upper
152	100		
150	154.6	122.4	183.6
115	68.5	54.7	82.1



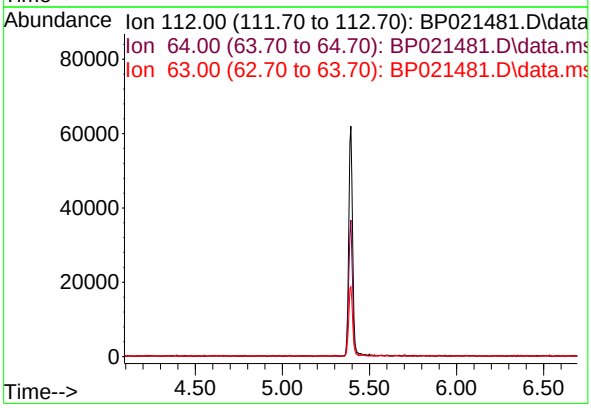


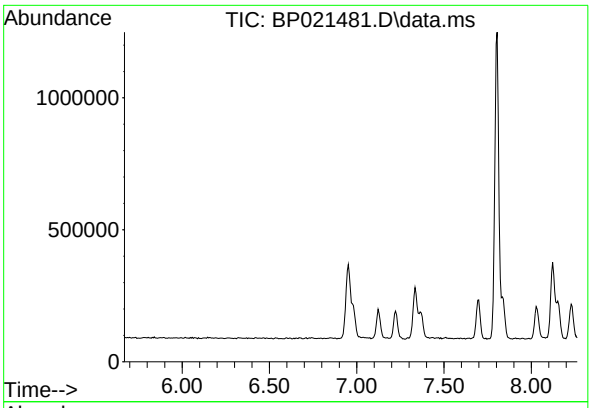
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.39 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	61.3
63	30.7





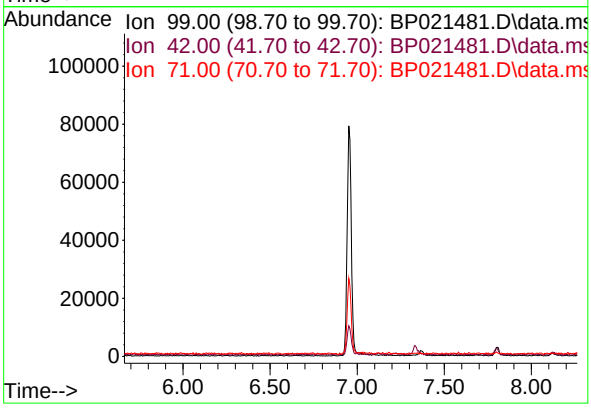
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.96 min

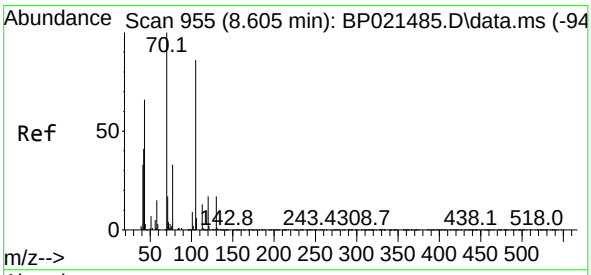
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

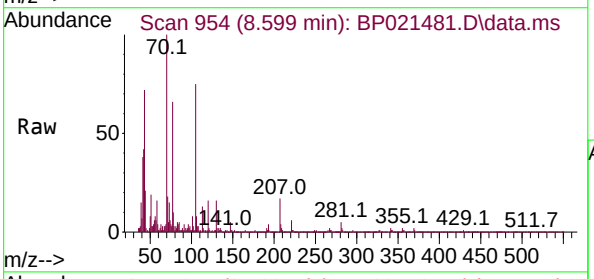
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

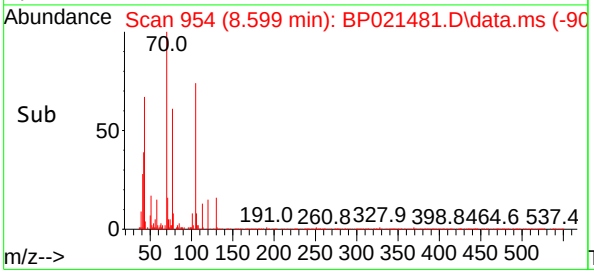
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	12.8
71	32.3





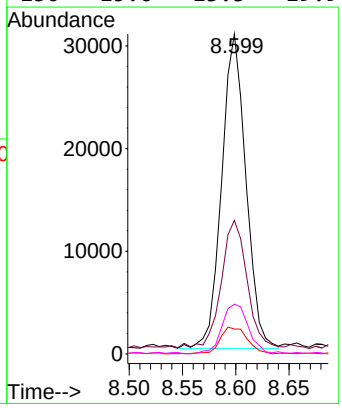


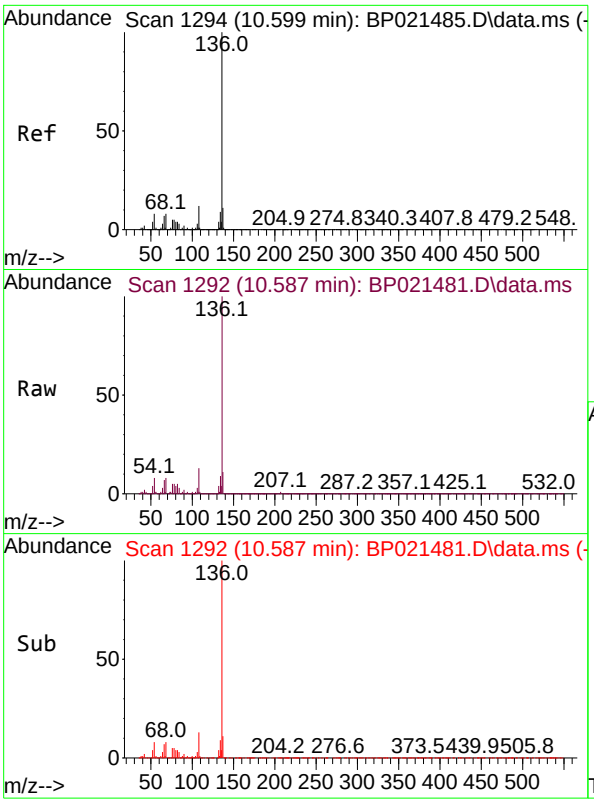


#19
n-Nitroso-di-n-propylamine
Concen: 2.448 ng
RT: 8.599 min Scan# 954
Delta R.T. -0.006 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 70 Resp: 48460

Ion	Ratio	Lower	Upper
70	100		
42	41.7	33.1	49.7
101	7.8	7.4	11.2
130	15.6	13.3	19.9



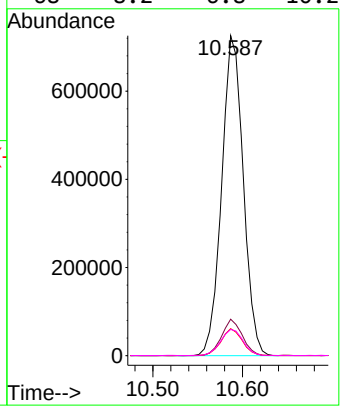


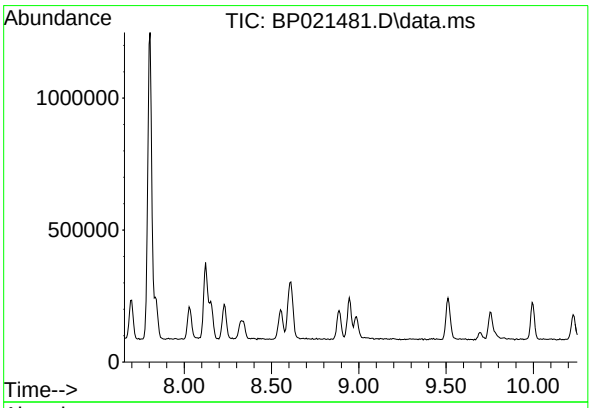
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1211879

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.4	6.3	9.5
68	8.2	6.8	10.2



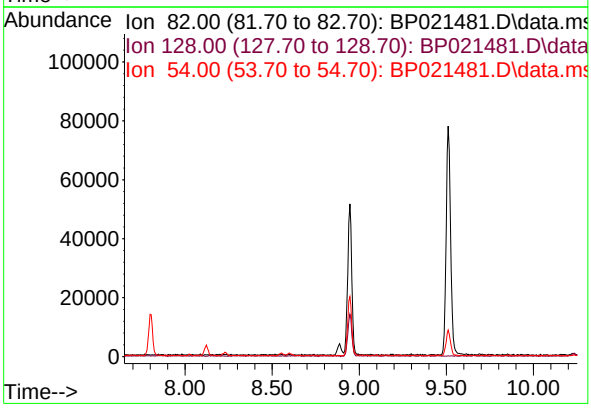


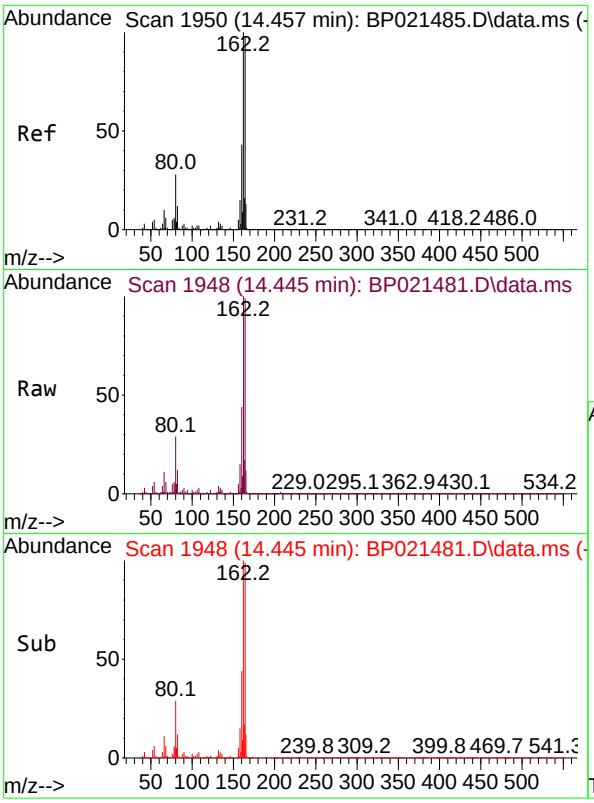
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.95 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	33.1
54	37.9



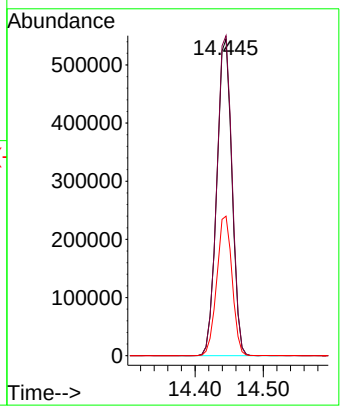


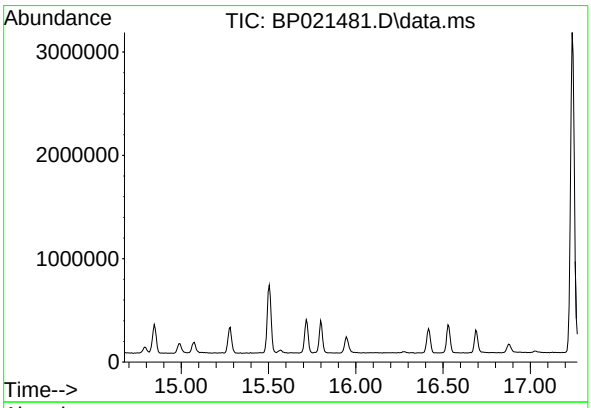
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 840945

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.5	122.3
160	44.1	35.2	52.8



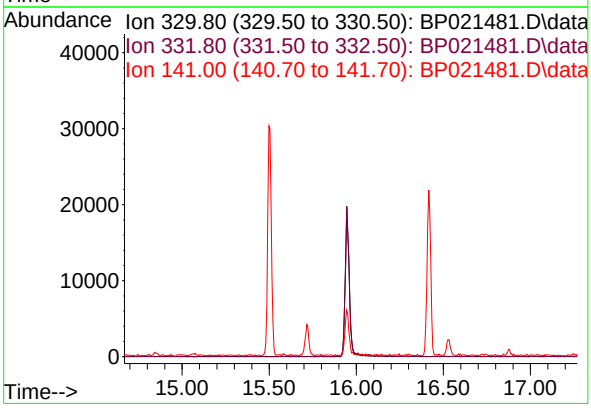


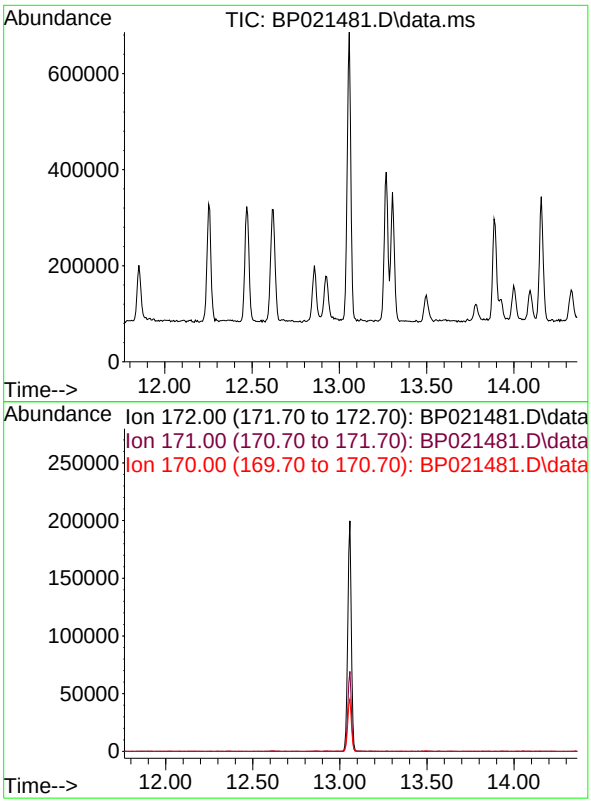
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.97 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.7
141	30.6





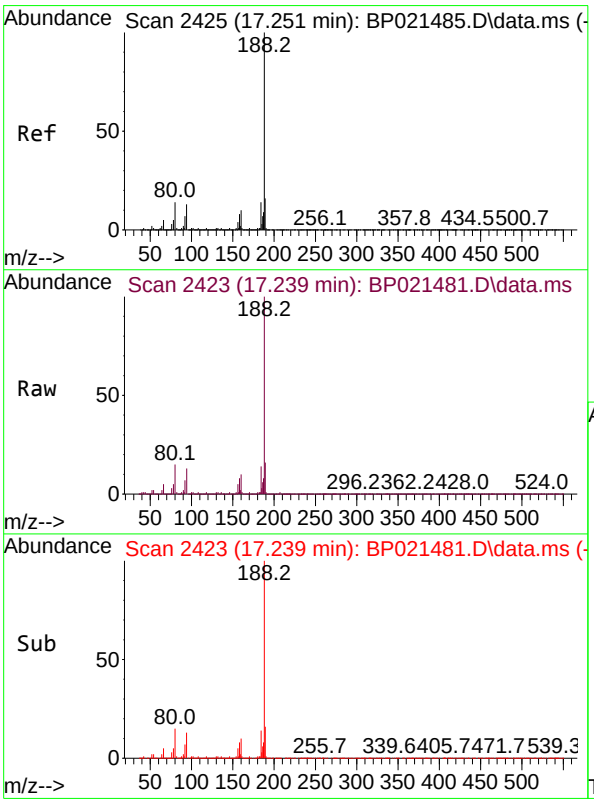
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.06 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

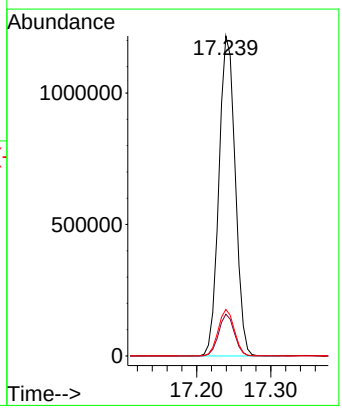
Sig	Exp Ratio
172	100
171	35.3
170	23.0

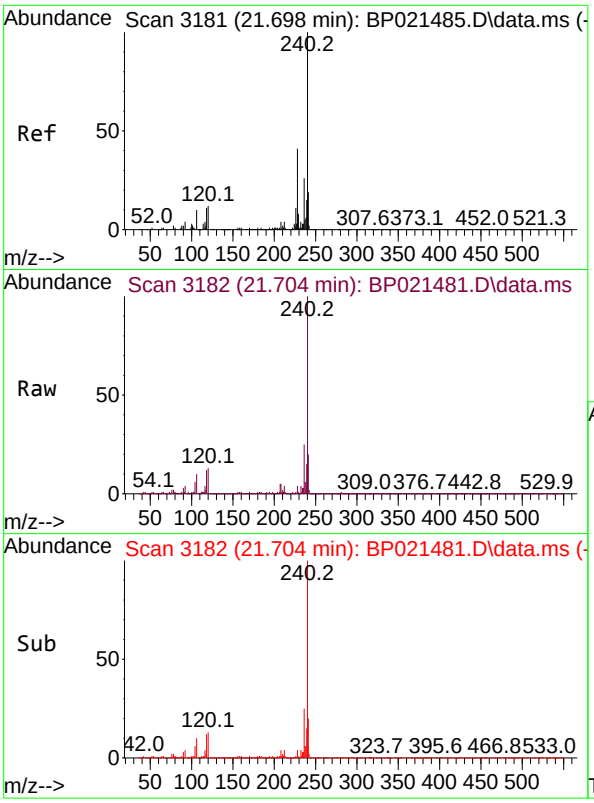


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion:188 Resp: 1860621

Ion	Ratio	Lower	Upper
188	100		
94	13.0	10.2	15.4
80	14.6	11.6	17.4



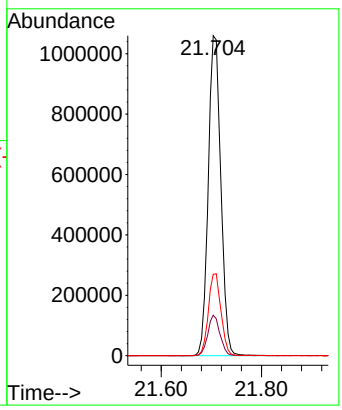


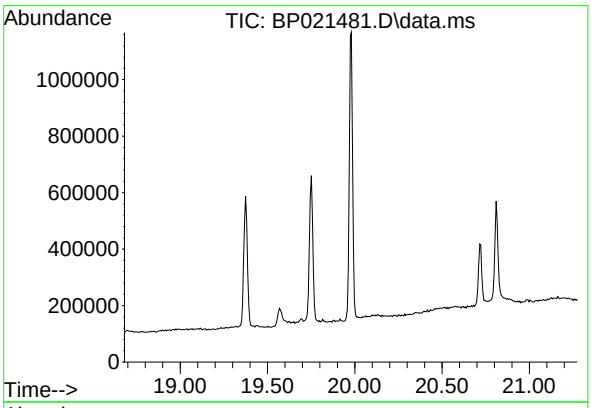
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.704 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1845246

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.9	14.9
236	25.4	20.6	30.8



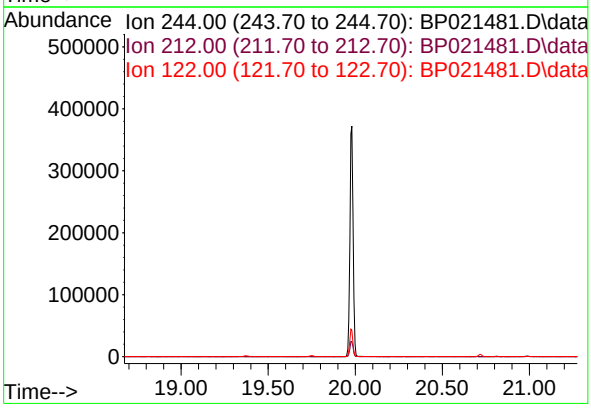


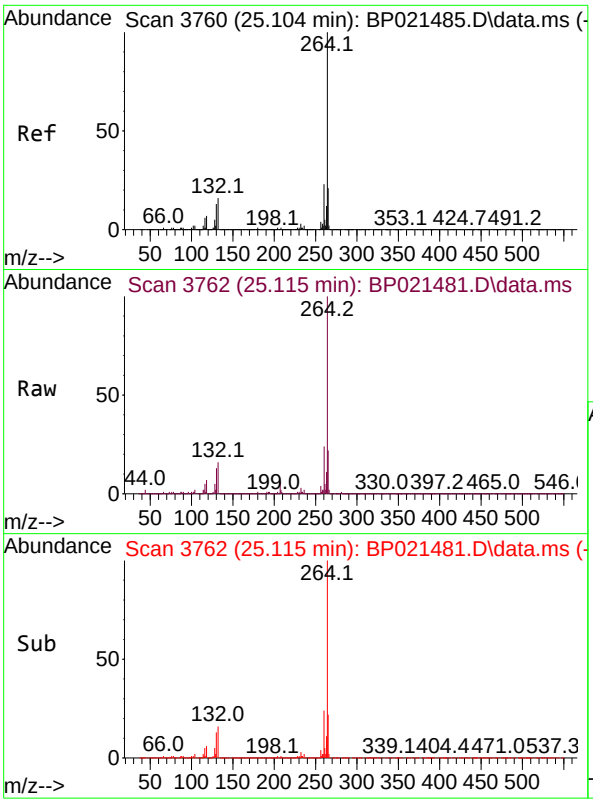
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.97 min

Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.0
122	11.8



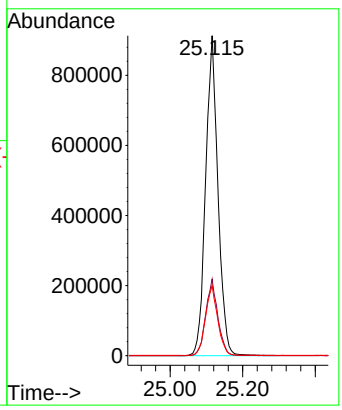


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.115 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 2154249

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.8	17.1	25.7



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021482.D
Acq On : 13 Aug 2024 13:15
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 13 23:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.804	152	312360	20.000	ng		0.00
21) Naphthalene-d8	10.587	136	1334707	20.000	ng		-0.01
39) Acenaphthene-d10	14.451	164	933864	20.000	ng		0.00
64) Phenanthrene-d10	17.257	188	2070828	20.000	ng		0.00
76) Chrysene-d12	21.698	240	2040393	20.000	ng		0.00
86) Perylene-d12	25.115	264	2299535	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	208031	9.889	ng		0.00
7) Phenol-d6	6.957	99	296244	9.654	ng		0.00
23) Nitrobenzene-d5	8.946	82	199944	7.732	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	83806	8.063	ng		0.00
45) 2-Fluorobiphenyl	13.063	172	640316	10.464	ng		0.00
79) Terphenyl-d14	19.980	244	1090116	10.379	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	53510	5.365	ng		98
3) Pyridine	3.711	79	136152	4.890	ng		99
4) n-Nitrosodimethylamine	3.616	42	42551	5.084	ng	#	92
6) Aniline	7.128	93	153398	5.000	ng		97
8) 2-Chlorophenol	7.369	128	93591	4.814	ng		99
9) Benzaldehyde	6.946	77	106515	5.421	ng		99
10) Phenol	6.981	94	153713	4.837	ng		98
11) bis(2-Chloroethyl)ether	7.228	93	137203	5.103	ng		99
12) 1,3-Dichlorobenzene	7.699	146	123281	5.339	ng		99
13) 1,4-Dichlorobenzene	7.840	146	122689	5.262	ng		97
14) 1,2-Dichlorobenzene	8.157	146	118950	5.294	ng		99
15) Benzyl Alcohol	8.028	79	101967	4.631	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.334	45	127954	5.167	ng		98
17) 2-Methylphenol	8.228	107	98168	4.887	ng		96
18) Hexachloroethane	8.887	117	46773	5.002	ng		97
19) n-Nitroso-di-n-propyla...	8.599	70	112153	5.291	ng		98
20) 3+4-Methylphenols	8.551	107	124528	4.597	ng		97
22) Acetophenone	8.610	105	212108	5.173	ng	#	98
24) Nitrobenzene	8.987	77	112817	4.017	ng		97
25) Isophorone	9.516	82	315900	5.171	ng		99
26) 2-Nitrophenol	9.698	139	18035	4.396	ng		97
27) 2,4-Dimethylphenol	9.757	122	72762	4.826	ng		99
28) bis(2-Chloroethoxy)met...	9.993	93	192662	5.167	ng		100
29) 2,4-Dichlorophenol	10.228	162	75312	4.228	ng		95
30) 1,2,4-Trichlorobenzene	10.451	180	118446	5.186	ng		95
31) Naphthalene	10.640	128	361804	5.189	ng		99
33) 4-Chloroaniline	10.740	127	131360	5.015	ng		97
34) Hexachlorobutadiene	10.940	225	72436	5.038	ng		97
35) Caprolactam	11.475	113	33090	4.463	ng		98
36) 4-Chloro-3-methylphenol	11.857	107	110736	4.481	ng		97
37) 2-Methylnaphthalene	12.251	142	249268	5.238	ng		98
38) 1-Methylnaphthalene	12.475	142	247615	5.276	ng		100
40) 1,2,4,5-Tetrachloroben...	12.622	216	133916	4.894	ng		99
41) Hexachlorocyclopentadiene	12.616	237	37190	4.288	ng		96
43) 2,4,6-Trichlorophenol	12.857	196	60845	4.003	ng		98
44) 2,4,5-Trichlorophenol	12.928	196	66306	3.926	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021482.D
Acq On : 13 Aug 2024 13:15
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 13 23:48:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.275	154	341430	5.168	ng		99
47) 2-Chloronaphthalene	13.310	162	261761	5.089	ng		99
48) 2-Nitroaniline	13.498	65	34186	7.264	ng		97
49) Acenaphthylene	14.163	152	387614	5.126	ng		99
50) Dimethylphthalate	13.898	163	323804	5.178	ng		99
51) 2,6-Dinitrotoluene	14.010	165	30050	6.169	ng	#	81
52) Acenaphthene	14.516	154	255510	5.150	ng		99
53) 3-Nitroaniline	14.334	138	29621	6.160	ng	#	79
55) Dibenzofuran	14.851	168	405023	5.307	ng		99
57) 2,4-Dinitrotoluene	14.804	165	32636	6.843	ng		90
58) Fluorene	15.516	166	333975	5.326	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.086	232	58426	4.076	ng	#	98
60) Diethylphthalate	15.281	149	328116	5.113	ng		99
61) 4-Chlorophenyl-phenyle...	15.510	204	173085	5.340	ng		100
62) 4-Nitroaniline	15.510	138	34574	5.481	ng	#	67
63) Azobenzene	15.810	77	419466	5.318	ng		98
66) n-Nitrosodiphenylamine	15.728	169	276698	4.986	ng		99
67) 4-Bromophenyl-phenylether	16.428	248	109250	4.985	ng		97
68) Hexachlorobenzene	16.545	284	132184	5.104	ng		97
69) Atrazine	16.692	200	93767	4.921	ng		99
71) Phenanthrene	17.292	178	512757	5.149	ng		99
72) Anthracene	17.386	178	493987	5.058	ng		99
73) Carbazole	17.669	167	470253	4.996	ng		99
74) Di-n-butylphthalate	18.269	149	542975	4.697	ng		99
75) Fluoranthene	19.380	202	629080	5.148	ng		99
78) Pyrene	19.757	202	654333	4.906	ng		100
80) Butylbenzylphthalate	20.710	149	152079	6.382	ng		95
81) Benzo(a)anthracene	21.680	228	648521	5.063	ng		100
82) 3,3'-Dichlorobenzidine	21.592	252	178137	4.338	ng		98
83) Chrysene	21.745	228	618621	5.115	ng		99
84) Bis(2-ethylhexyl)phtha...	21.651	149	309738	4.091	ng		100
87) Indeno(1,2,3-cd)pyrene	28.962	276	715393m	4.800	ng		
88) Benzo(b)fluoranthene	24.015	252	636027	4.816	ng		99
89) Benzo(k)fluoranthene	24.092	252	640982	4.975	ng		99
90) Benzo(a)pyrene	24.939	252	548144	4.783	ng		100
91) Dibenzo(a,h)anthracene	29.068	278	594702	4.802	ng		98
92) Benzo(g,h,i)perylene	30.162	276	604771	4.872	ng		96

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

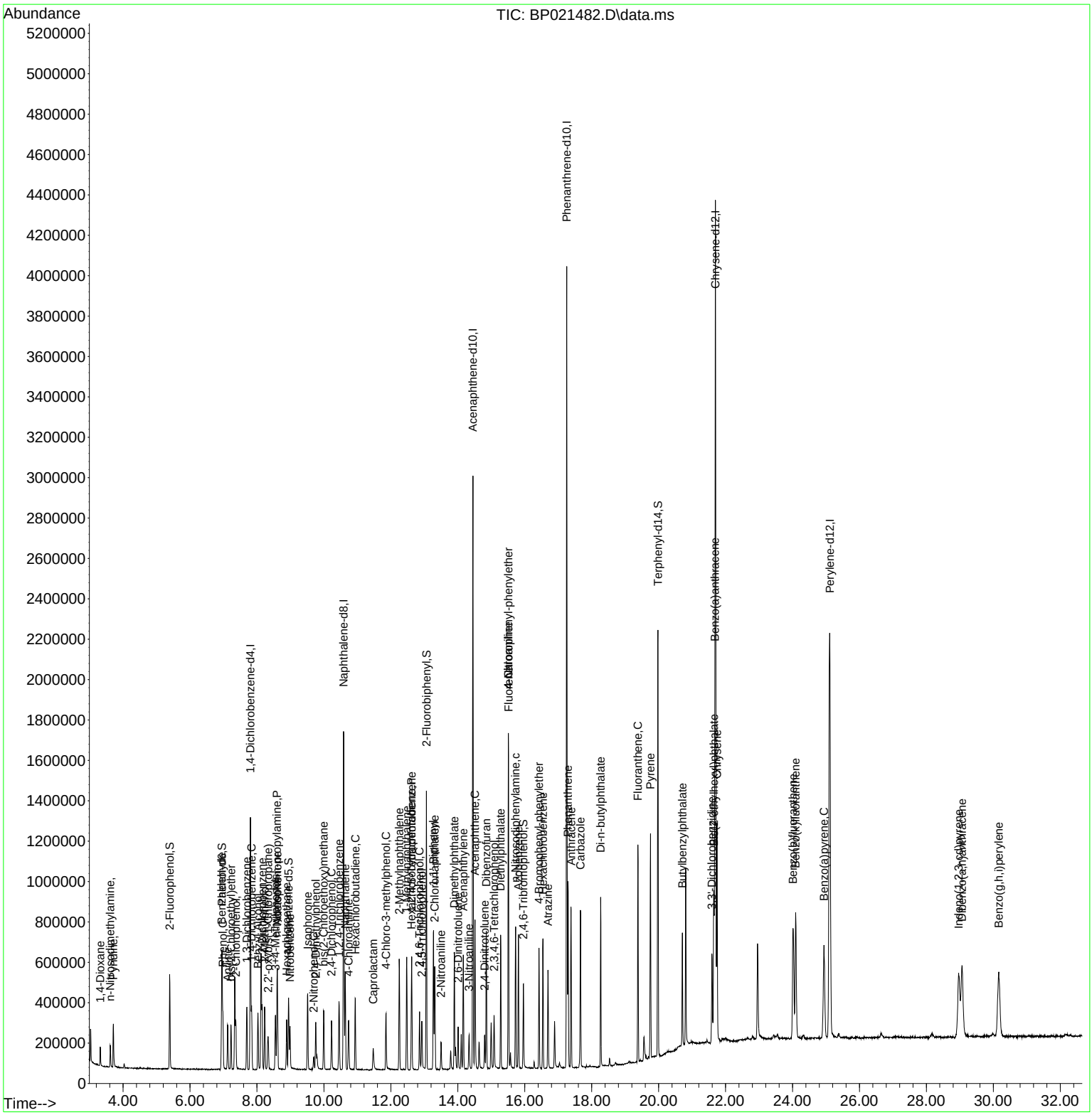
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Data File : BP021482.D
Acq On : 13 Aug 2024 13:15
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

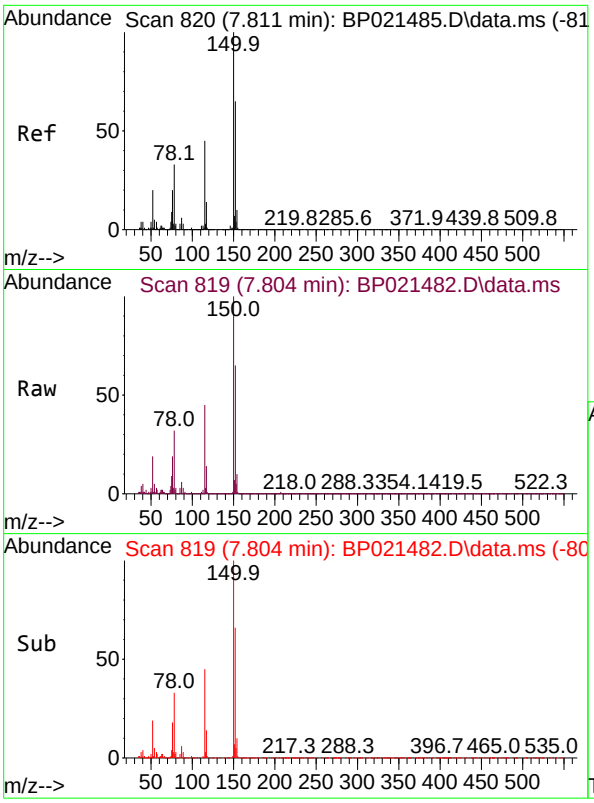
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

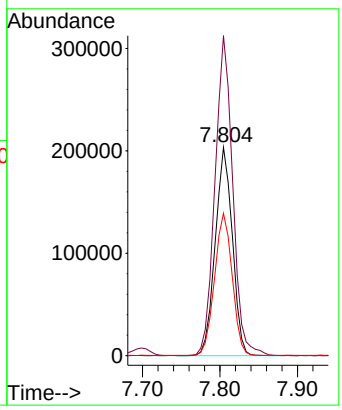




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 8
Delta R.T. -0.007 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:152 Resp: 31236

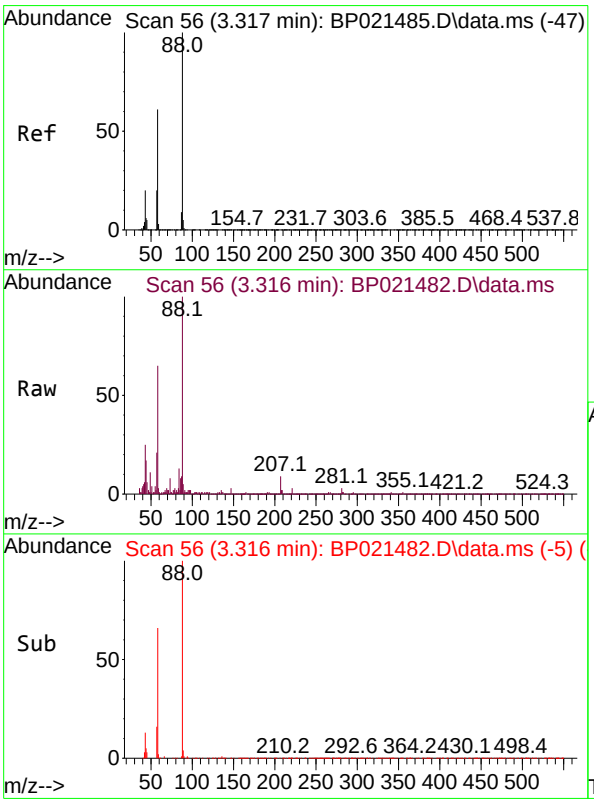
Ion	Ratio	Lower	Upper
152	100		
150	153.6	122.4	183.6
115	68.4	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

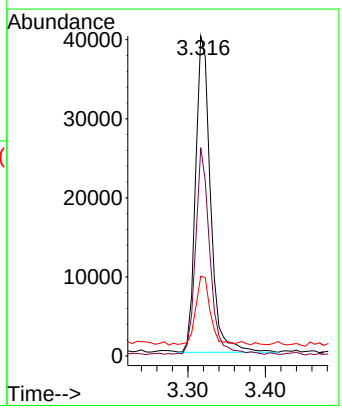
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

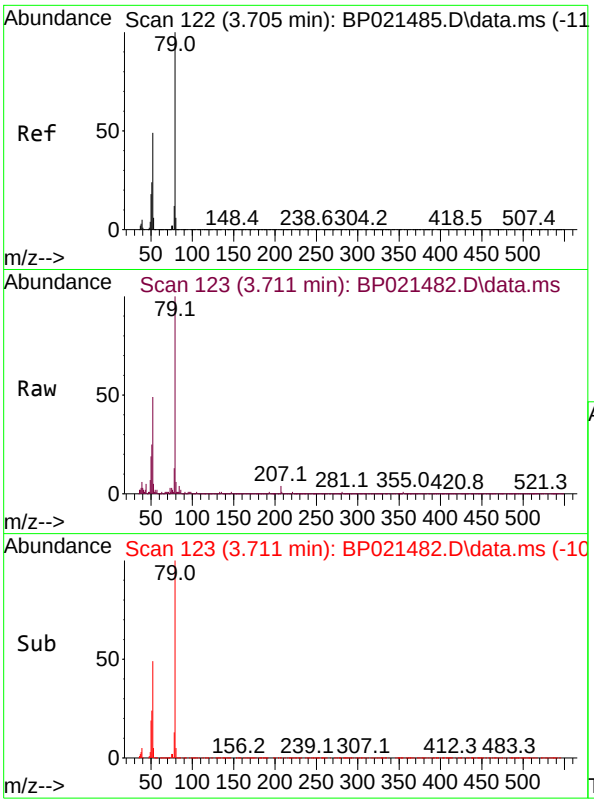


#2
1,4-Dioxane
Concen: 5.365 ng
RT: 3.316 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 88 Resp: 53510

Ion	Ratio	Lower	Upper
88	100		
58	62.2	48.7	73.1
43	20.5	15.4	23.2

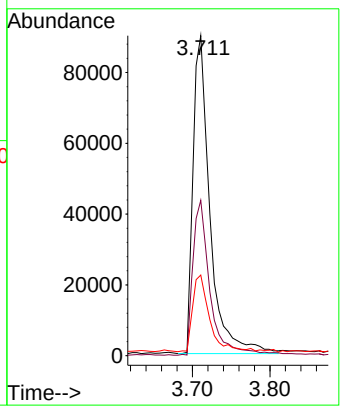




#3
Pyridine
Concen: 4.890 ng
RT: 3.711 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 79 Resp: 13615

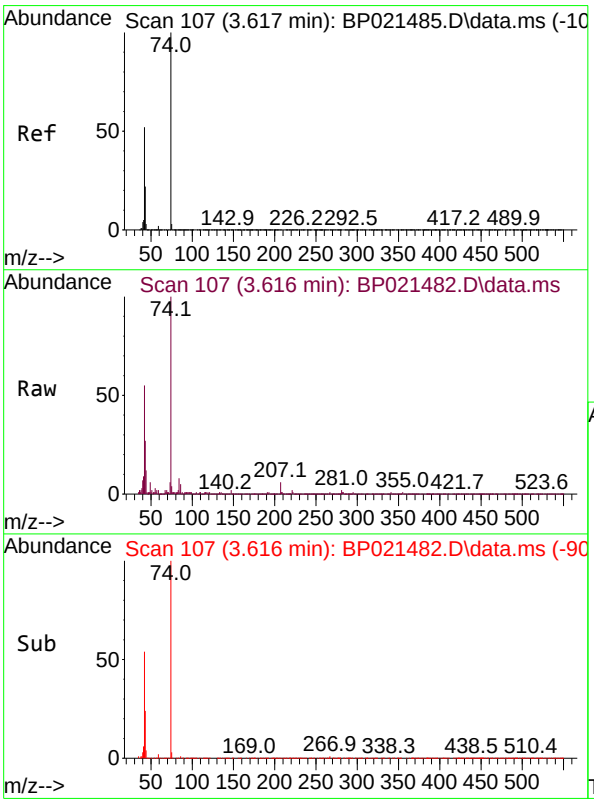
Ion	Ratio	Lower	Upper
79	100		
52	48.5	39.0	58.6
51	25.2	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

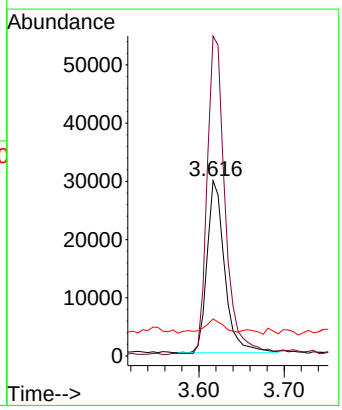
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

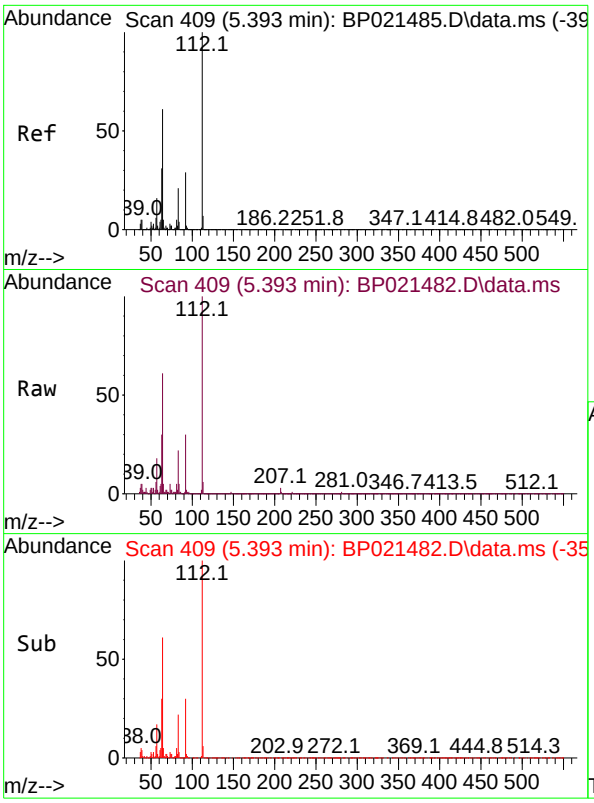


#4
n-Nitrosodimethylamine
Concen: 5.084 ng
RT: 3.616 min Scan# 107
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 42 Resp: 42551

Ion	Ratio	Lower	Upper
42	100		
74	182.7	154.3	231.5
44	21.2	6.2	9.4#

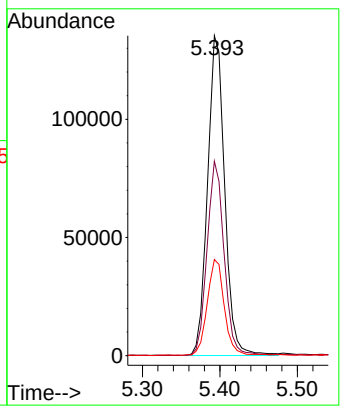




#5
2-Fluorophenol
Concen: 9.889 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:112 Resp: 20803

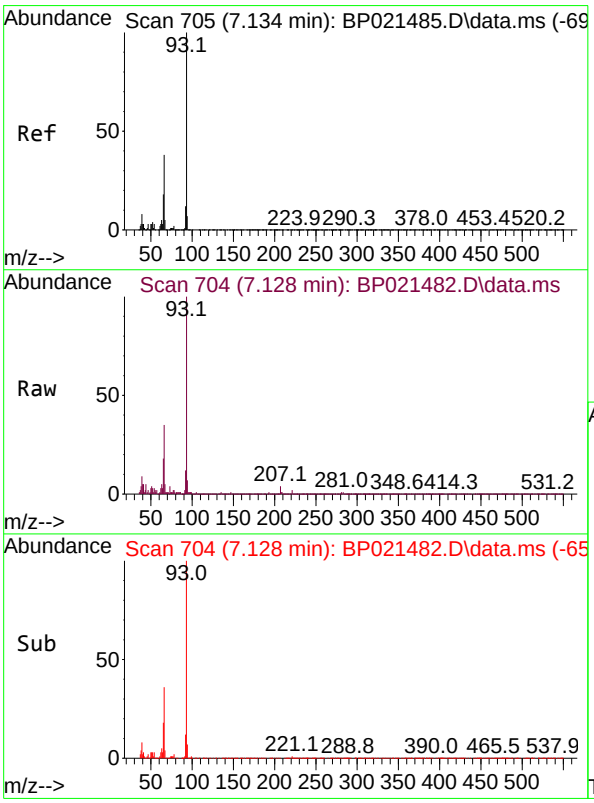
Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.0	73.6
63	30.0	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

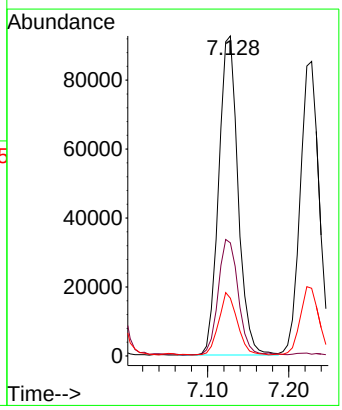
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

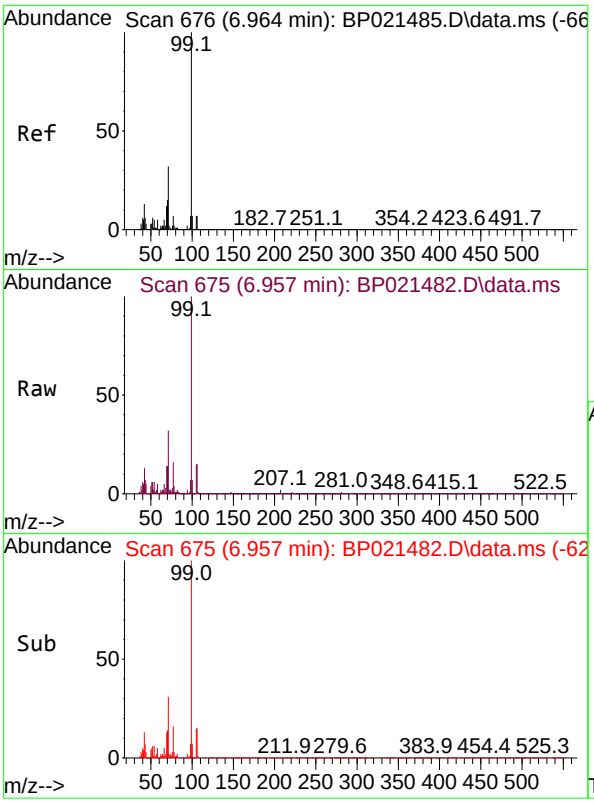


#6
Aniline
Concen: 5.000 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 93 Resp: 153398

Ion	Ratio	Lower	Upper
93	100		
66	35.4	30.2	45.2
65	18.0	14.7	22.1

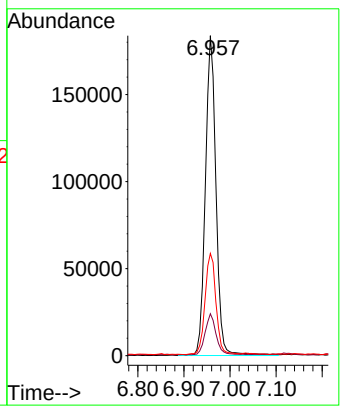




#7
Phenol-d6
Concen: 9.654 ng
RT: 6.957 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 99 Resp: 29624

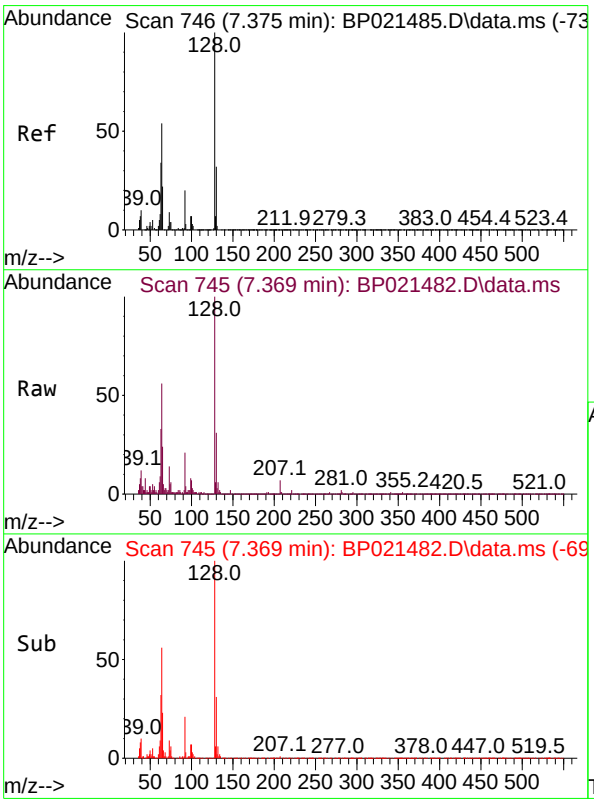
Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.2	15.4
71	32.0	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

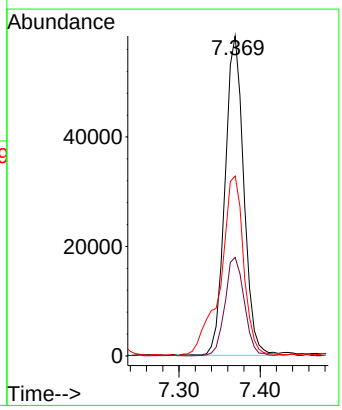
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

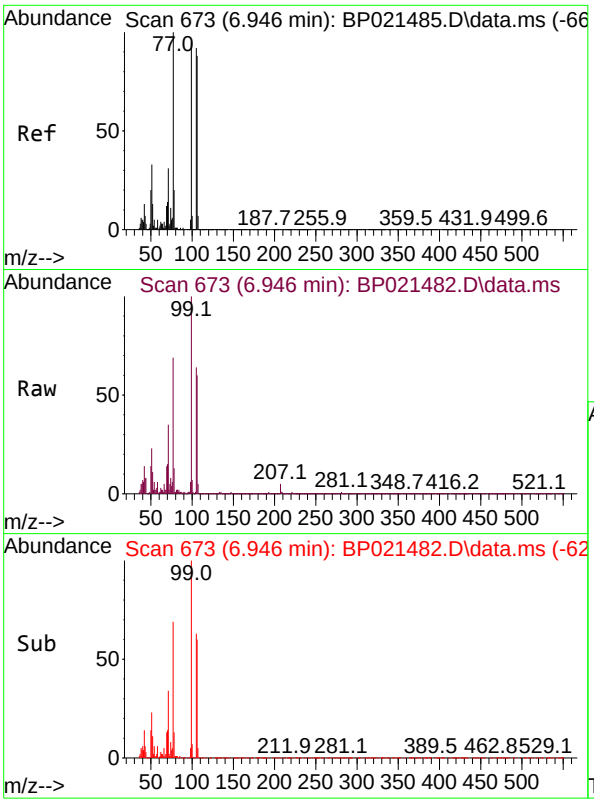


#8
2-Chlorophenol
Concen: 4.814 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:128 Resp: 93591

Ion	Ratio	Lower	Upper
128	100		
130	30.8	11.6	51.6
64	56.2	35.3	75.3

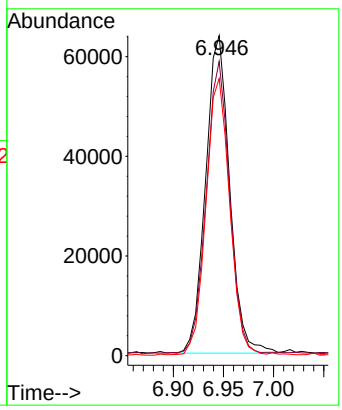




#9
Benzaldehyde
Concen: 5.421 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 77 Resp: 10651

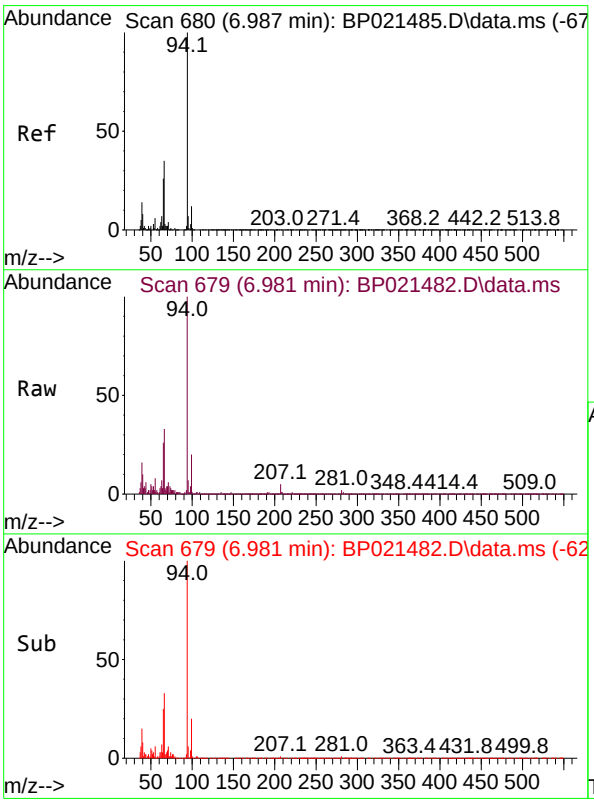
Ion	Ratio	Lower	Upper
77	100		
105	91.9	72.1	112.1
106	86.6	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

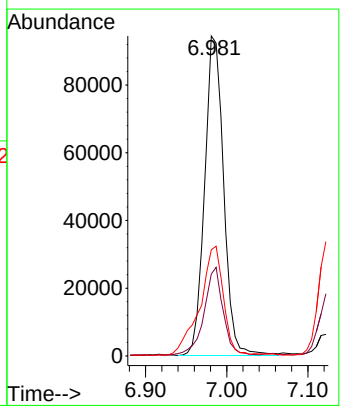
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

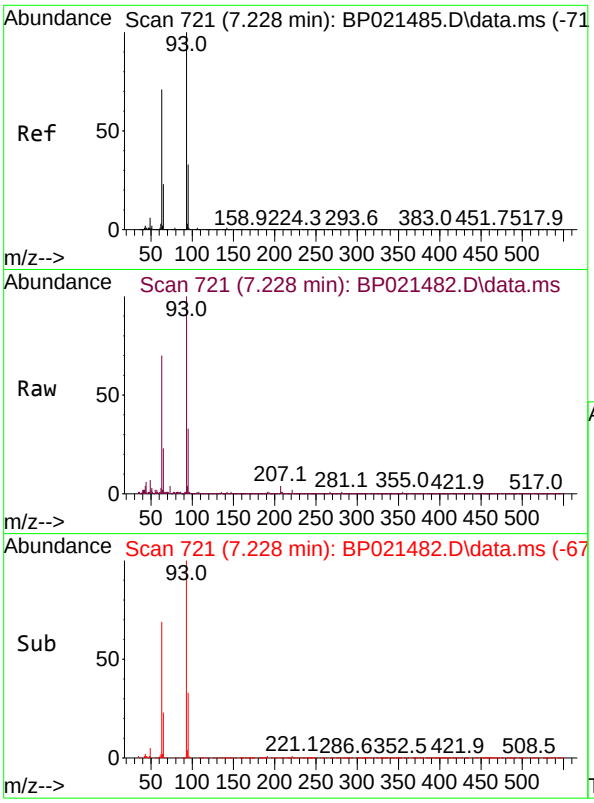


#10
Phenol
Concen: 4.837 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 94 Resp: 153713

Ion	Ratio	Lower	Upper
94	100		
65	25.6	6.5	46.5
66	33.2	14.7	54.7

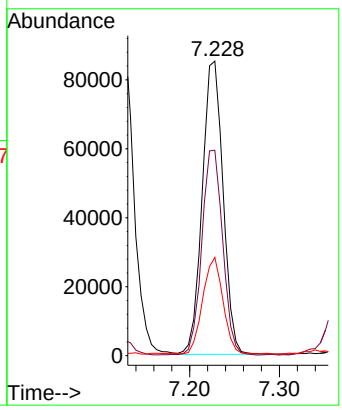




#11
bis(2-Chloroethyl)ether
Concen: 5.103 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 93 Resp: 13720

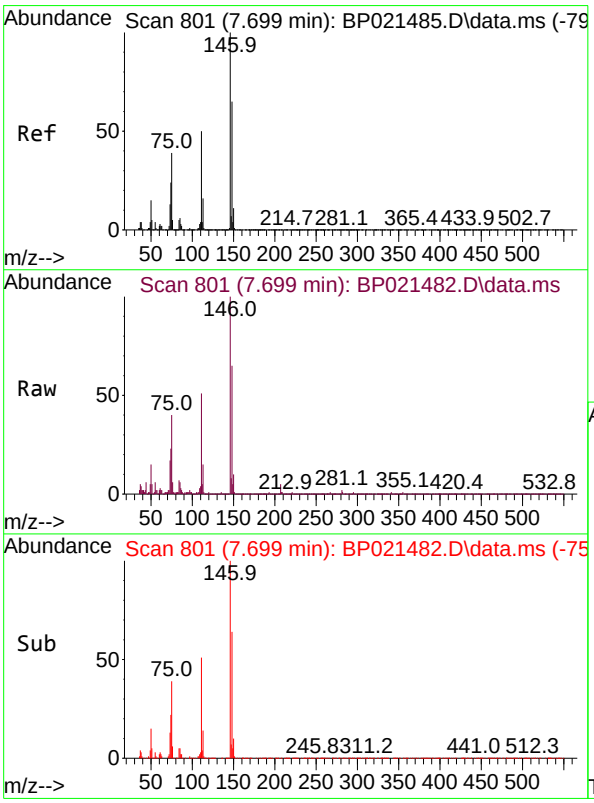
Ion	Ratio	Lower	Upper
93	100		
63	69.8	51.0	91.0
95	33.4	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

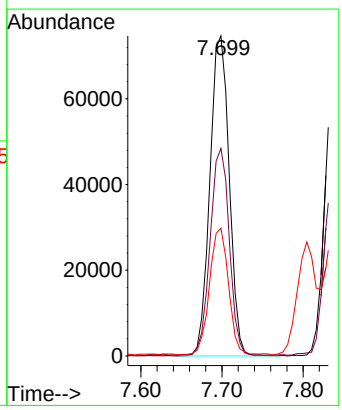
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

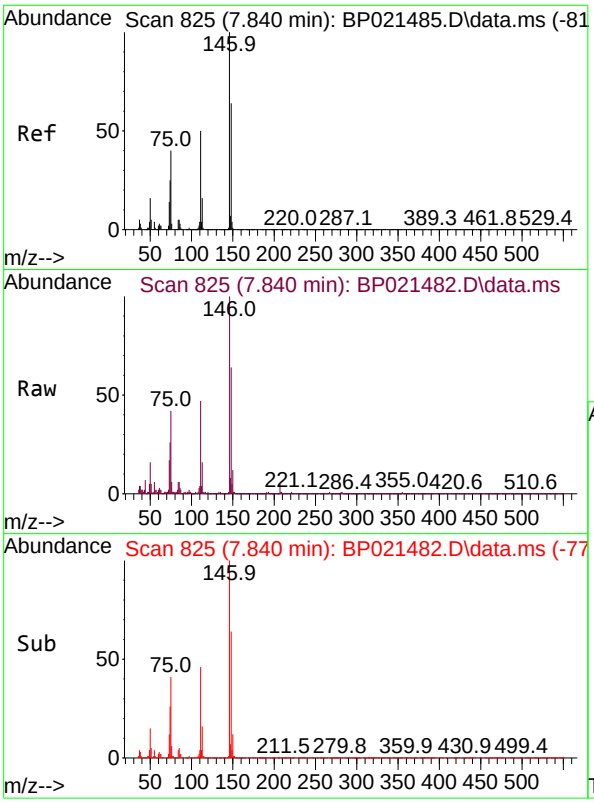


#12
1,3-Dichlorobenzene
Concen: 5.339 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:146 Resp: 123281

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.6
75	39.9	31.3	46.9

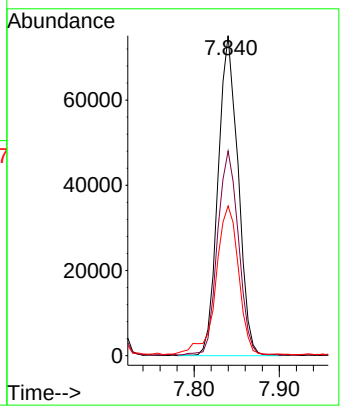




#13
1,4-Dichlorobenzene
Concen: 5.262 ng
RT: 7.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:146 Resp: 12268

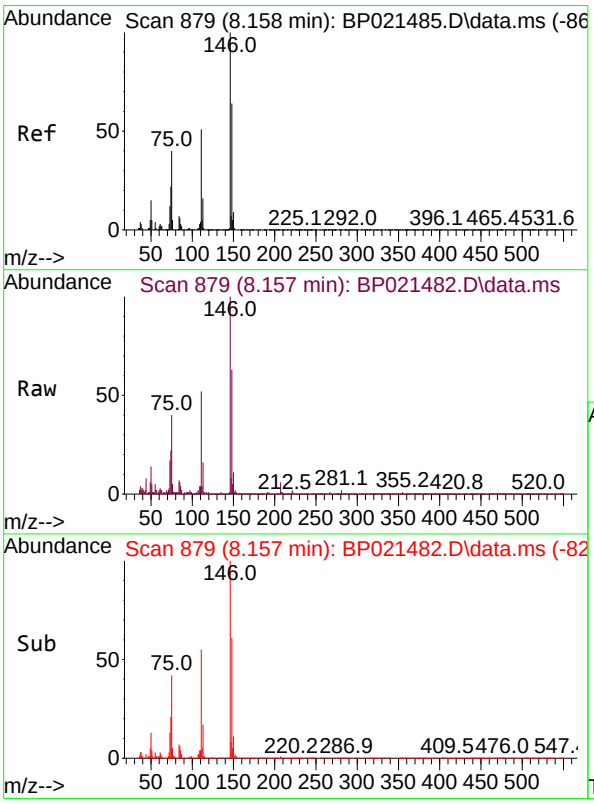
Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.5	77.3
111	46.8	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

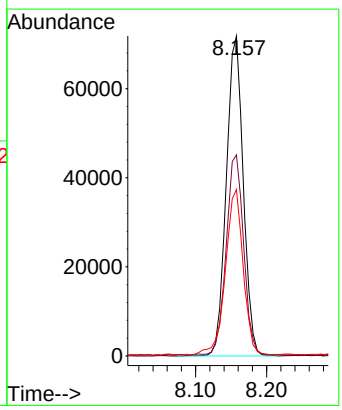
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

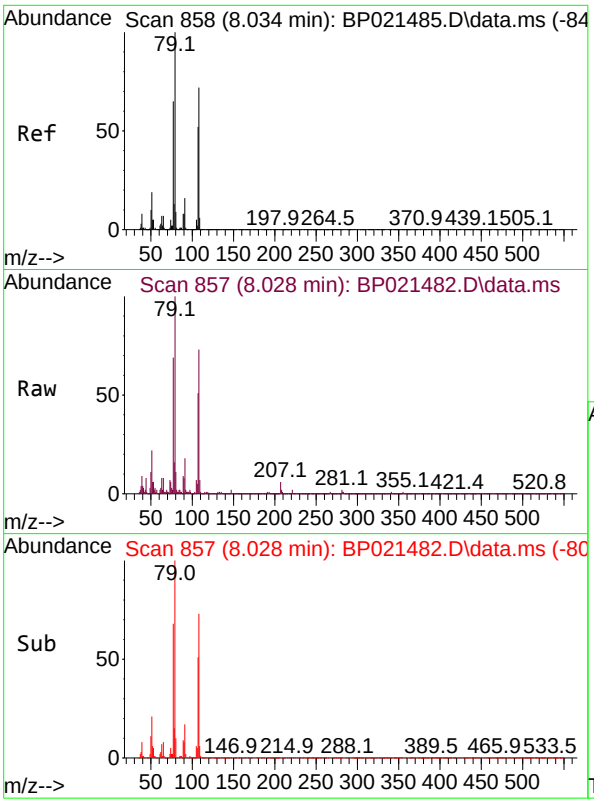


#14
1,2-Dichlorobenzene
Concen: 5.294 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:146 Resp: 118950

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.5	77.3
111	52.0	41.1	61.7

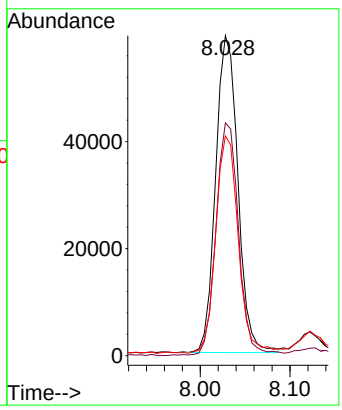




#15
Benzyl Alcohol
Concen: 4.631 ng
RT: 8.028 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 79 Resp: 10196

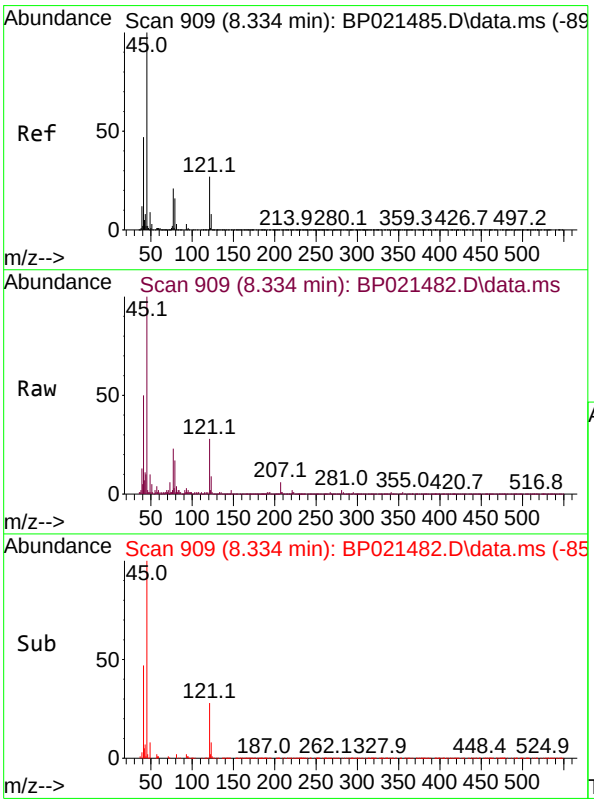
Ion	Ratio	Lower	Upper
79	100		
108	72.8	57.9	86.9
77	68.6	51.8	77.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

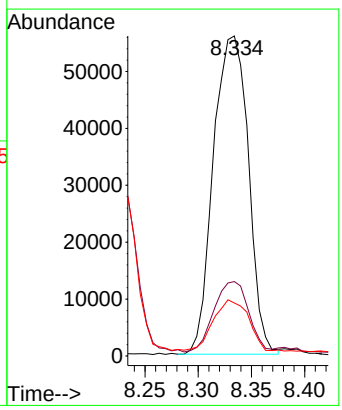
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

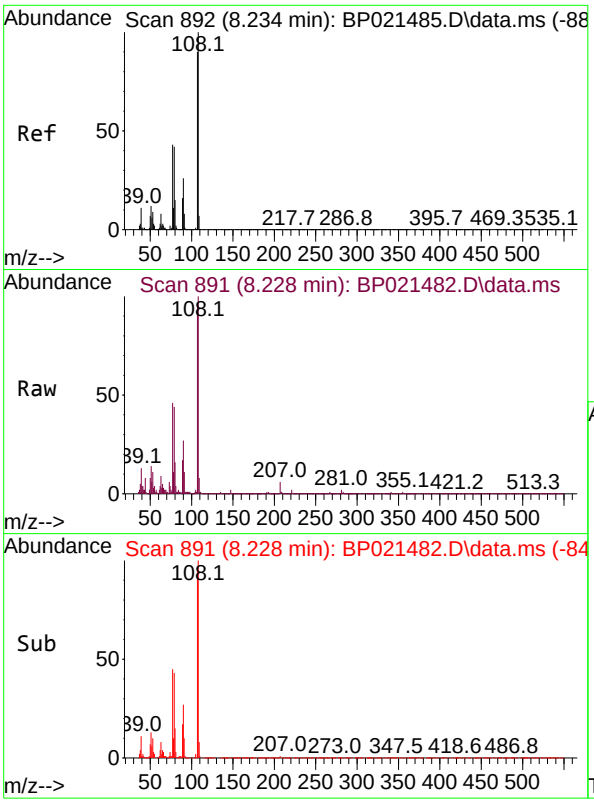


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.167 ng
RT: 8.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 45 Resp: 127954

Ion	Ratio	Lower	Upper
45	100		
77	23.2	1.9	41.9
79	16.6	0.0	36.6

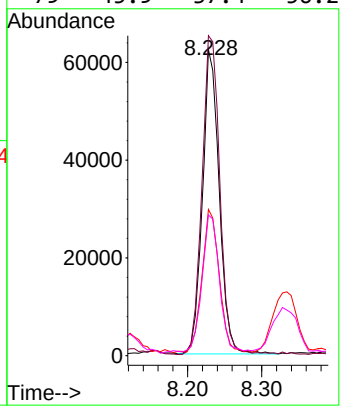




#17
2-Methylphenol
Concen: 4.887 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:107 Resp: 9816

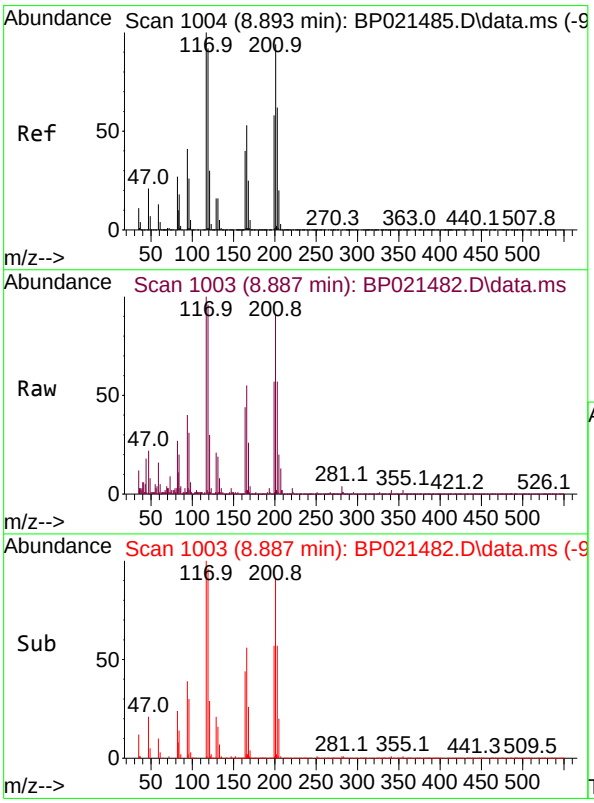
Ion	Ratio	Lower	Upper
107	100		
108	104.6	88.8	133.2
77	47.8	38.7	58.1
79	45.9	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

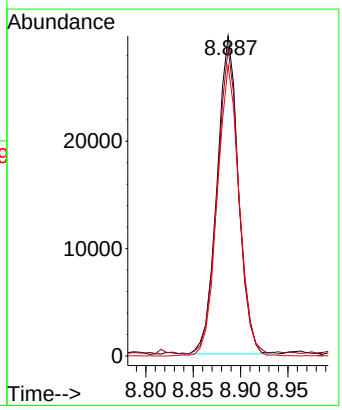
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

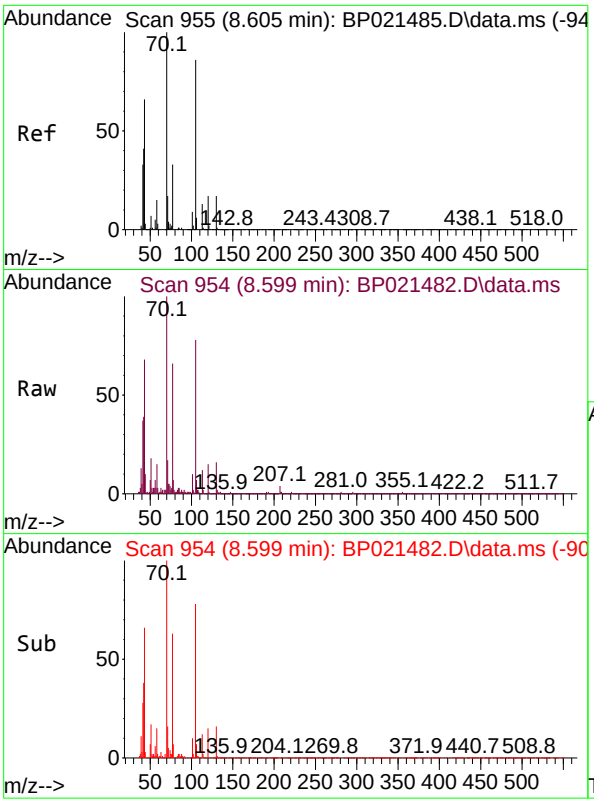


#18
Hexachloroethane
Concen: 5.002 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:117 Resp: 46773

Ion	Ratio	Lower	Upper
117	100		
119	96.2	73.9	110.9
201	90.9	74.9	112.3

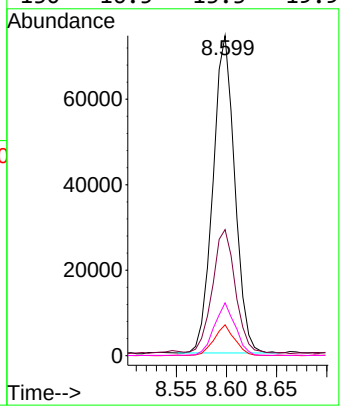




#19
n-Nitroso-di-n-propylamine
Concen: 5.291 ng
RT: 8.599 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 70 Resp: 11215

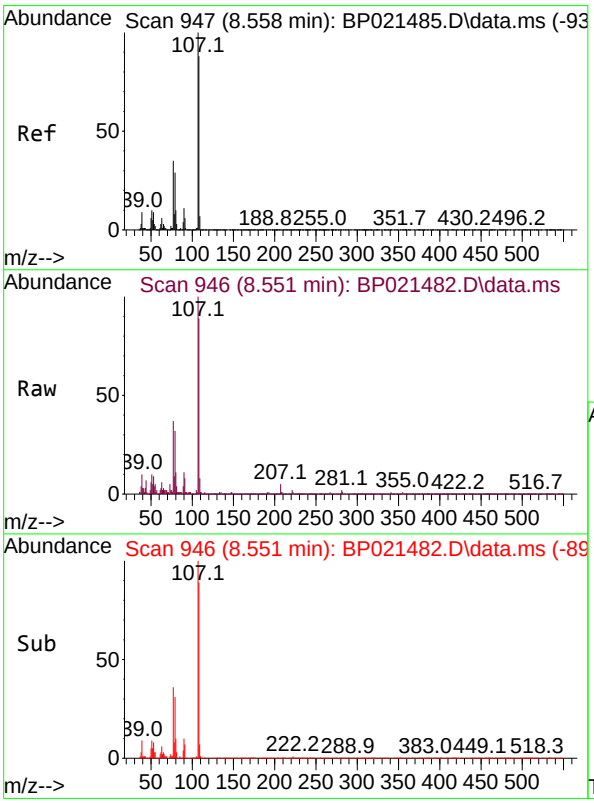
Ion	Ratio	Lower	Upper
70	100		
42	39.4	33.1	49.7
101	9.6	7.4	11.2
130	16.5	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

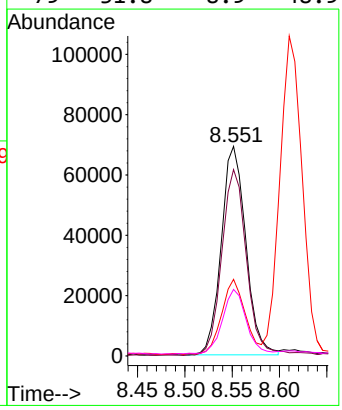
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

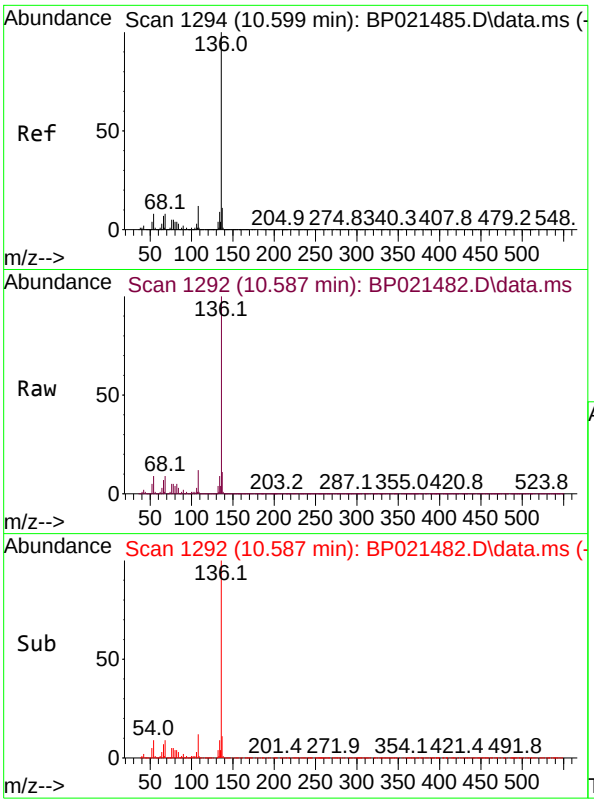


#20
3+4-Methylphenols
Concen: 4.597 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:107 Resp: 124528

Ion	Ratio	Lower	Upper
107	100		
108	89.0	67.6	107.6
77	36.6	15.0	55.0
79	31.8	8.9	48.9

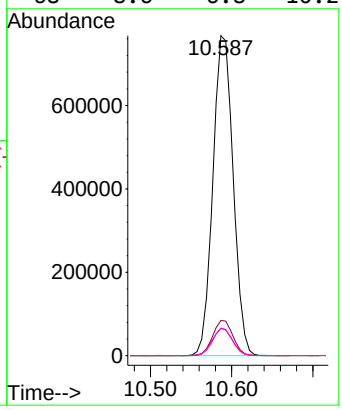




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:136 Resp: 133470

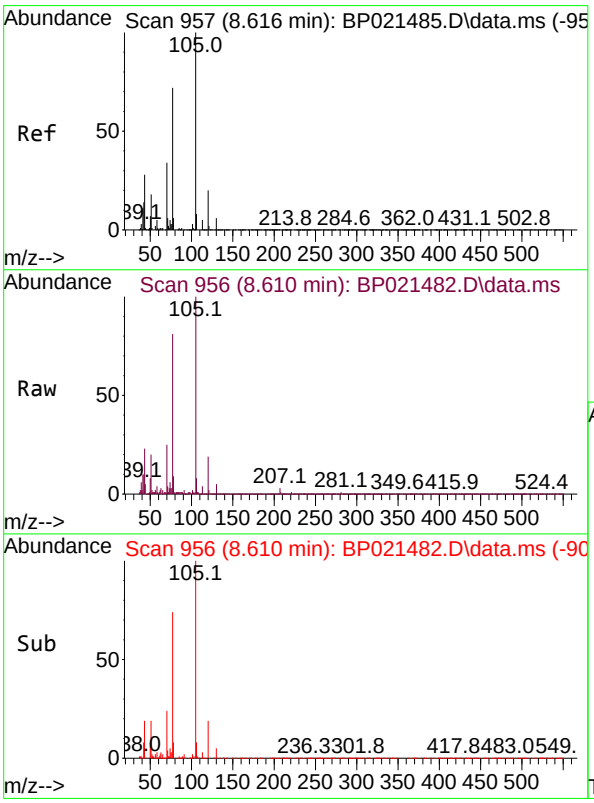
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.6	6.3	9.5
68	8.6	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
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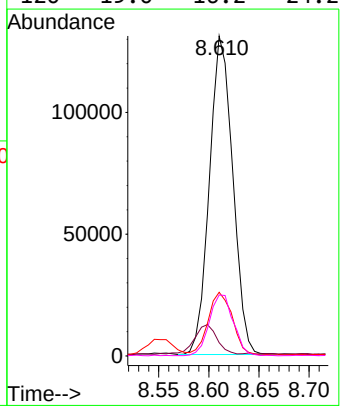
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

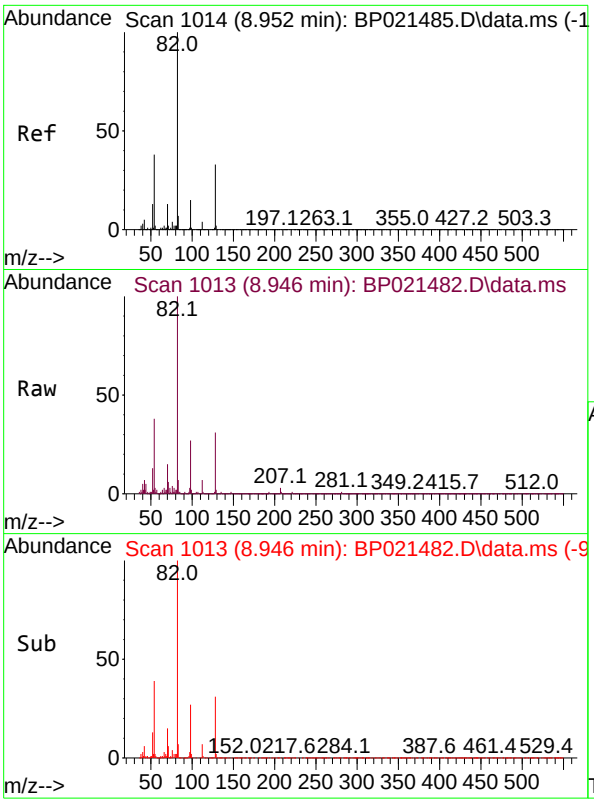


#22
Acetophenone
Concen: 5.173 ng
RT: 8.610 min Scan# 956
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:105 Resp: 212108

Ion	Ratio	Lower	Upper
105	100		
71	4.2	4.6	7.0#
51	19.9	16.3	24.5
120	19.0	16.2	24.2

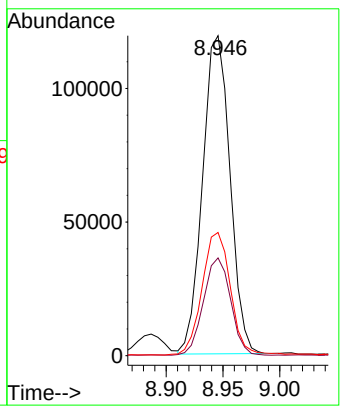




#23
Nitrobenzene-d5
Concen: 7.732 ng
RT: 8.946 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 82 Resp: 19994

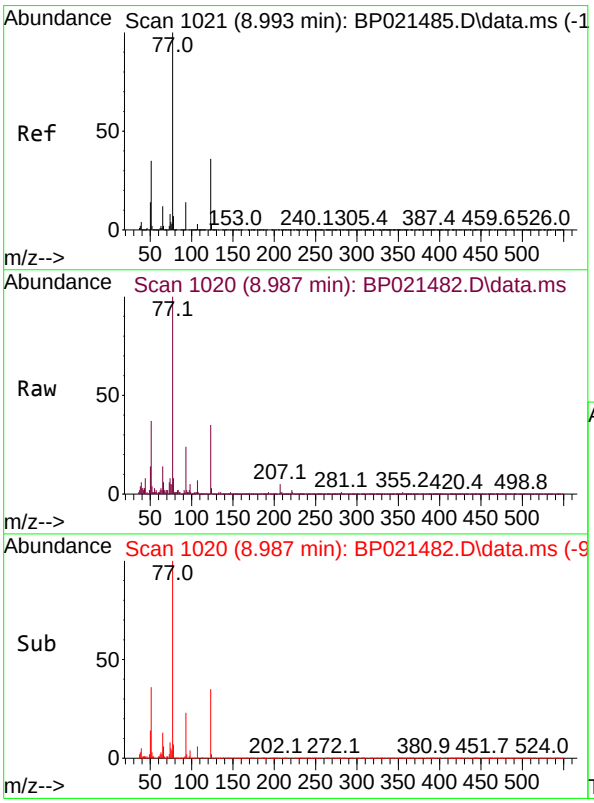
Ion	Ratio	Lower	Upper
82	100		
128	30.5	26.5	39.7
54	38.5	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

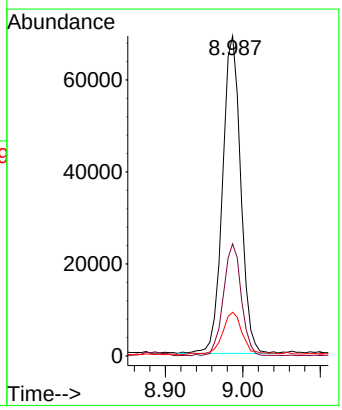
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

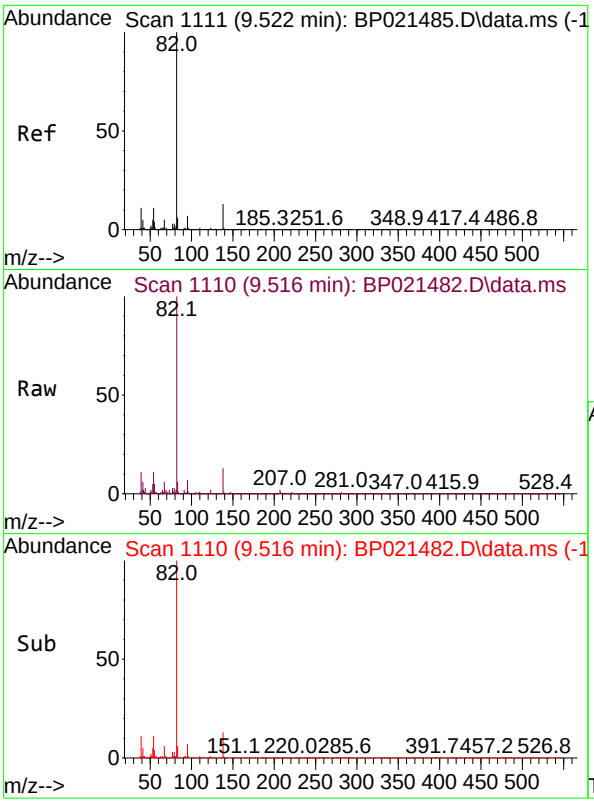


#24
Nitrobenzene
Concen: 4.017 ng
RT: 8.987 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 77 Resp: 112817

Ion	Ratio	Lower	Upper
77	100		
123	35.0	29.5	44.3
65	13.6	9.9	14.9

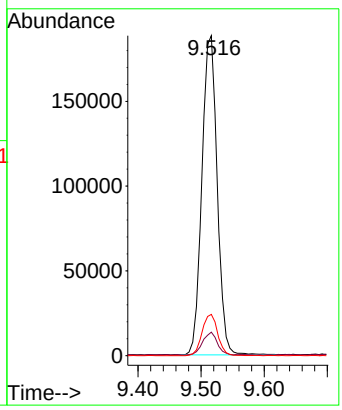




#25
Isophorone
Concen: 5.171 ng
RT: 9.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 82 Resp: 31590

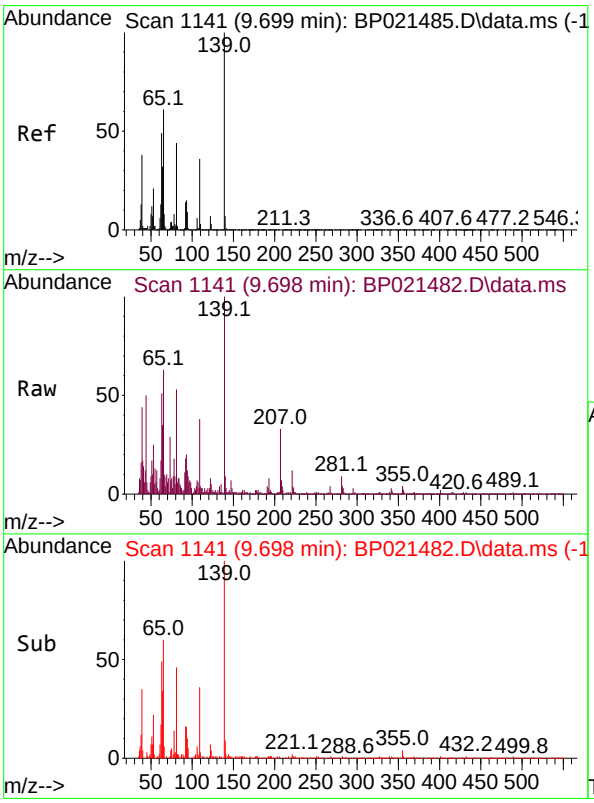
Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.4	8.2
138	12.9	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

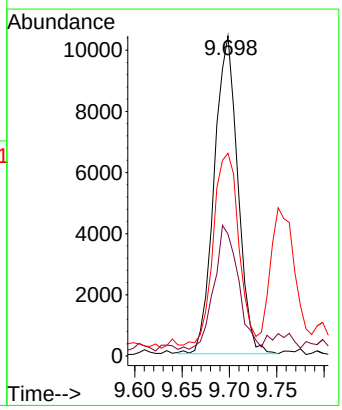
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

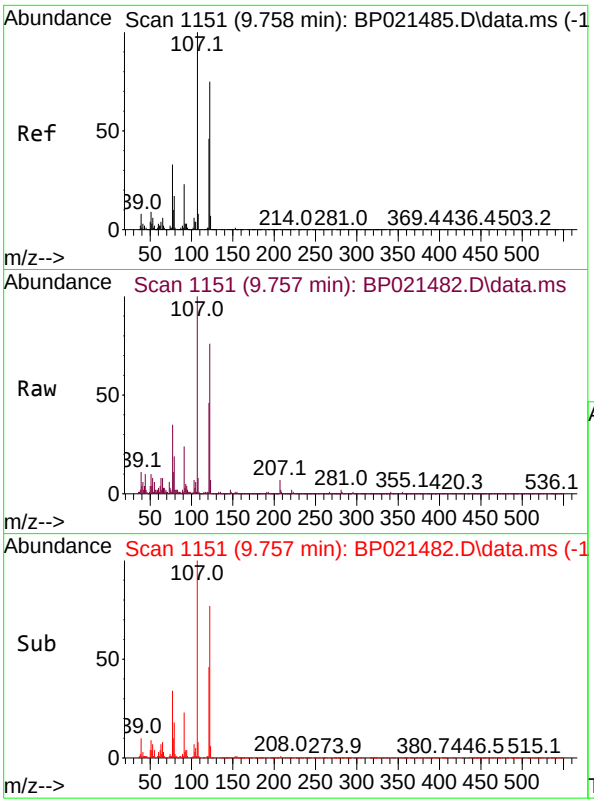


#26
2-Nitrophenol
Concen: 4.396 ng
RT: 9.698 min Scan# 1141
Delta R.T. -0.001 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:139 Resp: 18035

Ion	Ratio	Lower	Upper
139	100		
109	38.1	28.9	43.3
65	63.3	49.0	73.6





#27
2,4-Dimethylphenol
Concen: 4.826 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

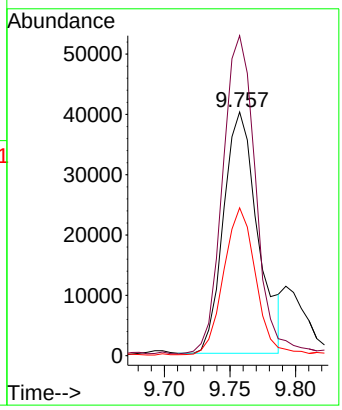
Tgt Ion:122 Resp: 7276

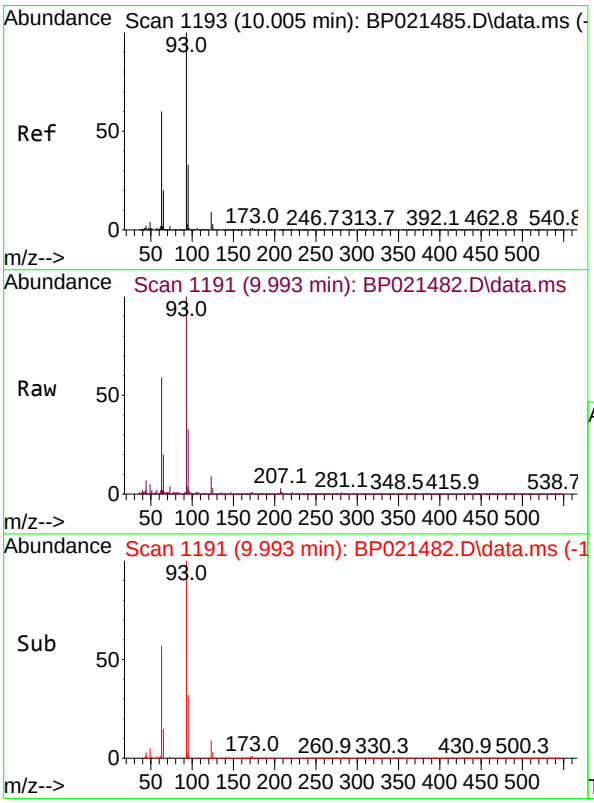
Ion	Ratio	Lower	Upper
122	100		
107	131.3	106.2	159.4
121	60.7	48.8	73.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

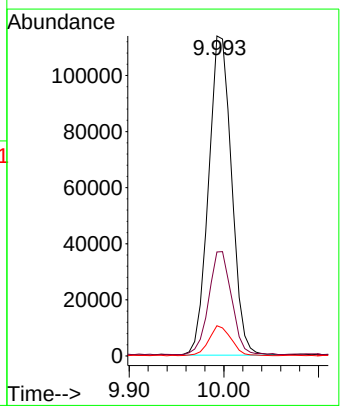


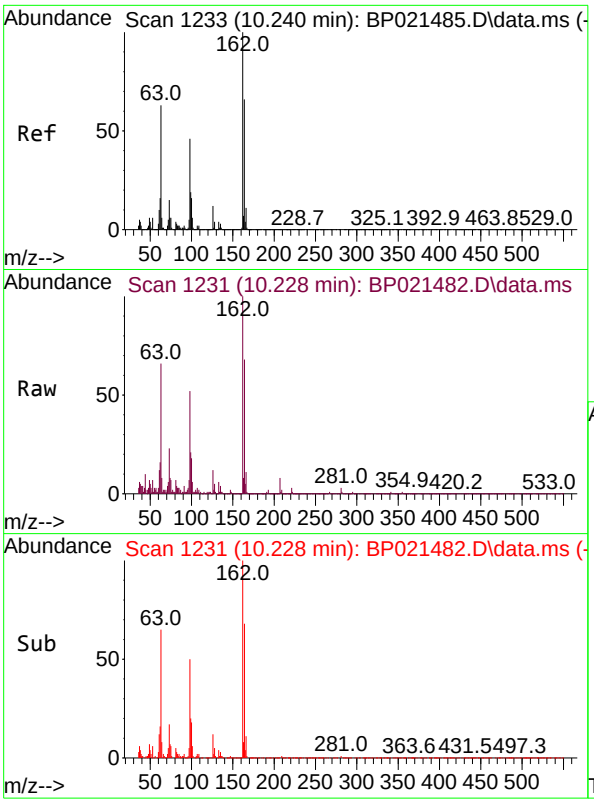


#28
bis(2-Chloroethoxy)methane
Concen: 5.167 ng
RT: 9.993 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 93 Resp: 192662

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.2	39.4
123	9.5	7.6	11.4

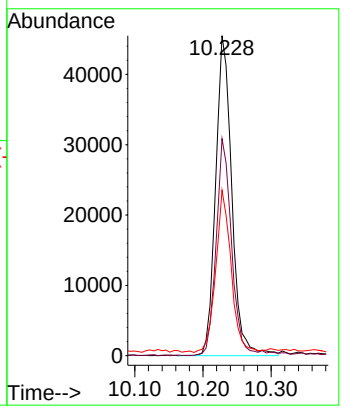




#29
2,4-Dichlorophenol
Concen: 4.228 ng
RT: 10.228 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:162 Resp: 7531

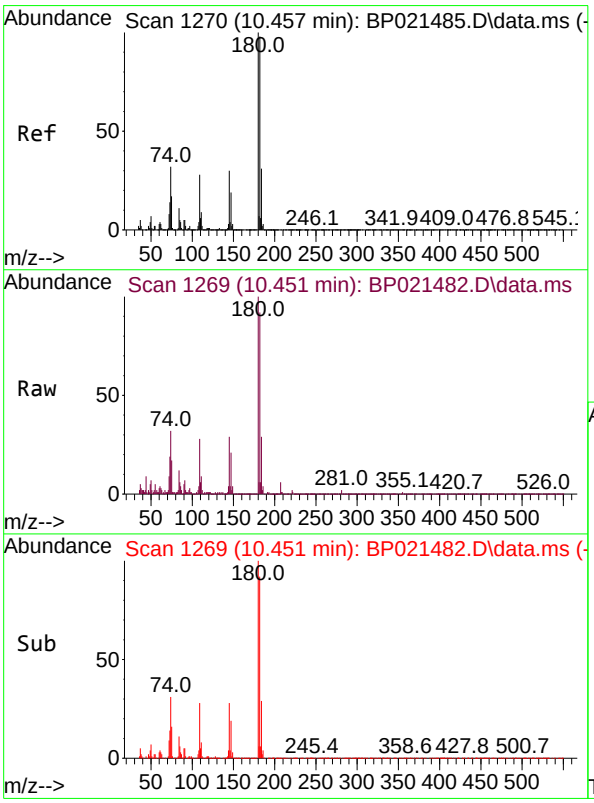
Ion	Ratio	Lower	Upper
162	100		
164	67.8	45.9	85.9
98	51.7	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

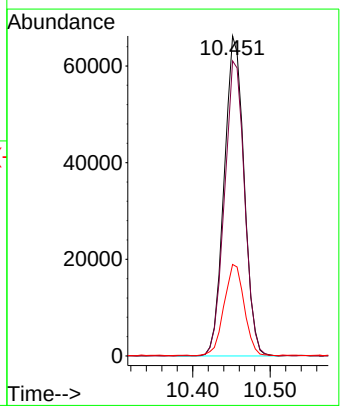
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

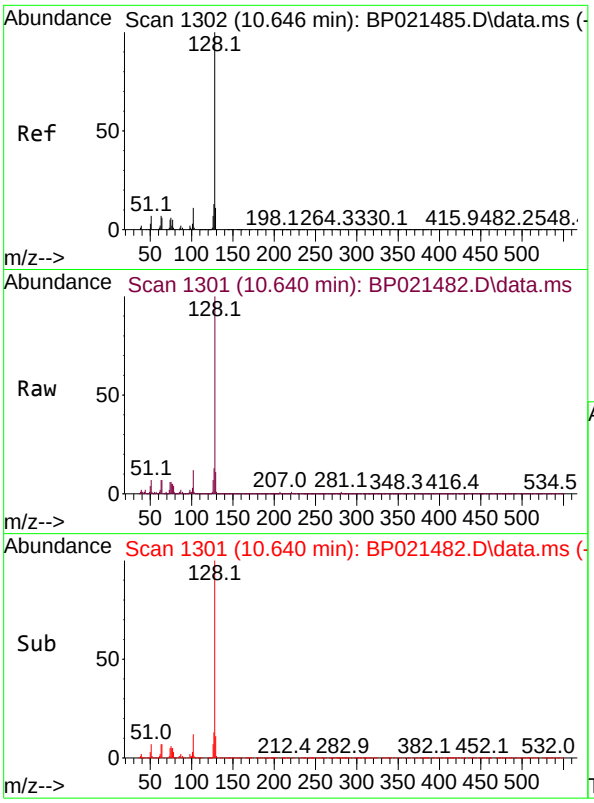


#30
1,2,4-Trichlorobenzene
Concen: 5.186 ng
RT: 10.451 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:180 Resp: 118446

Ion	Ratio	Lower	Upper
180	100		
182	92.2	78.3	117.5
145	28.6	24.0	36.0

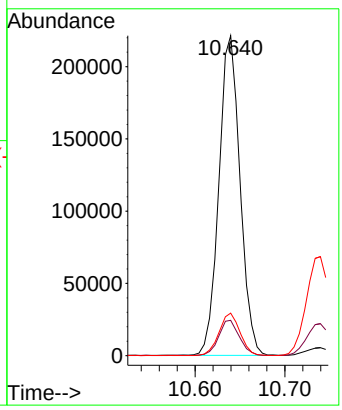




#31
Naphthalene
Concen: 5.189 ng
RT: 10.640 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:128 Resp: 36180

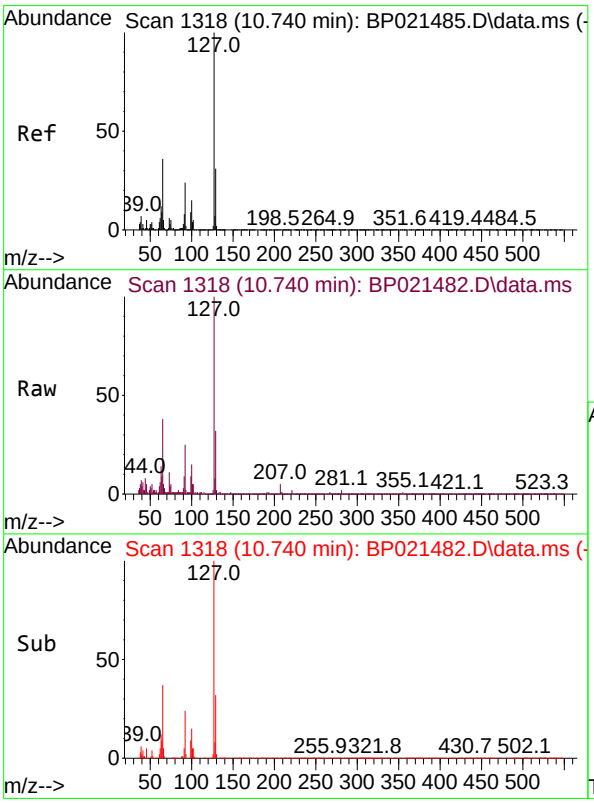
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

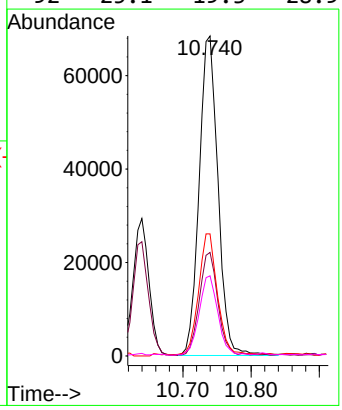
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

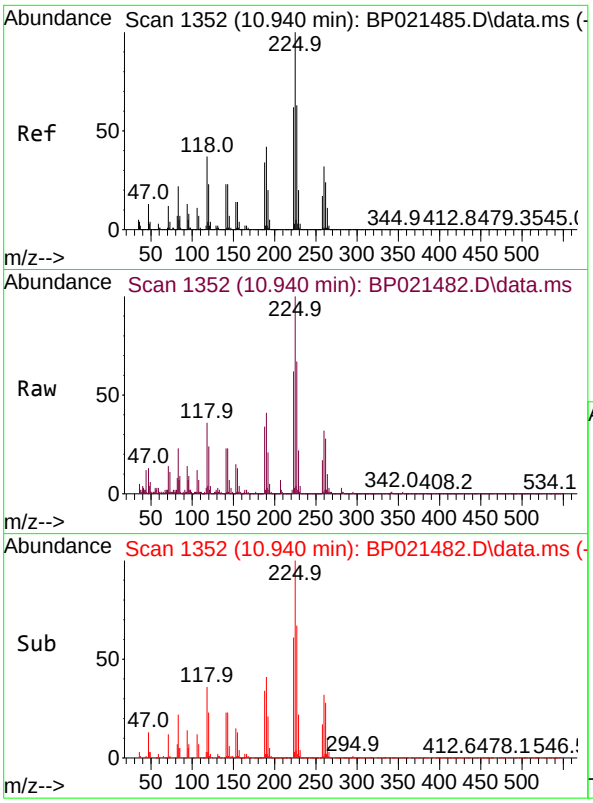


#33
4-Chloroaniline
Concen: 5.015 ng
RT: 10.740 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:127 Resp: 131360

Ion	Ratio	Lower	Upper
127	100		
129	32.3	24.5	36.7
65	38.1	28.9	43.3
92	25.1	19.3	28.9

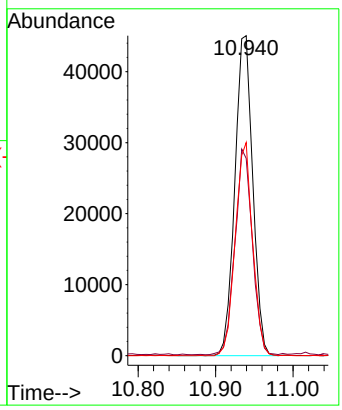




#34
Hexachlorobutadiene
Concen: 5.038 ng
RT: 10.940 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:225 Resp: 7243

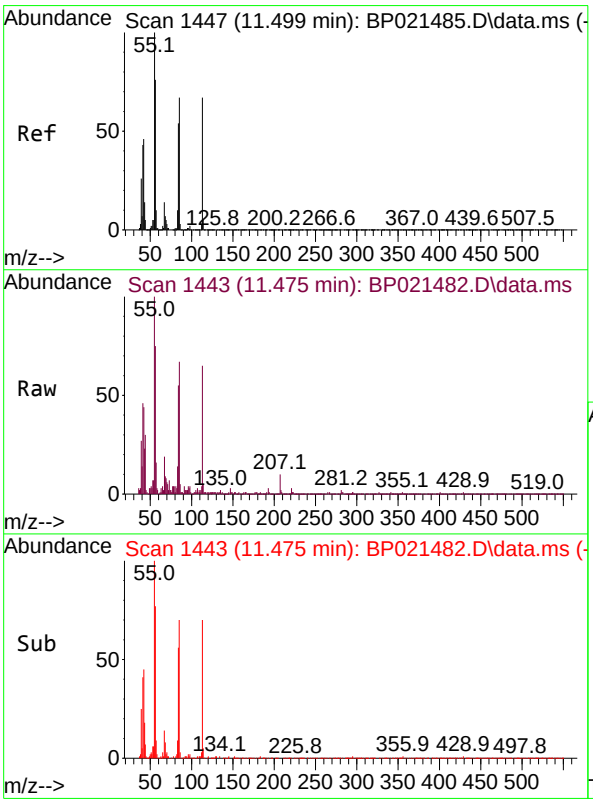
Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.6	74.4
227	66.6	50.1	75.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

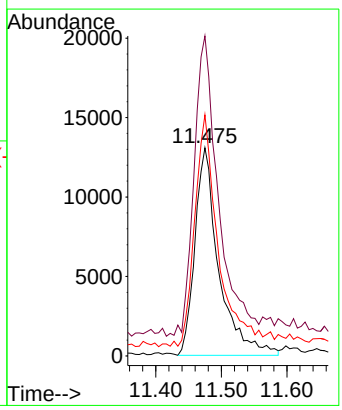
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

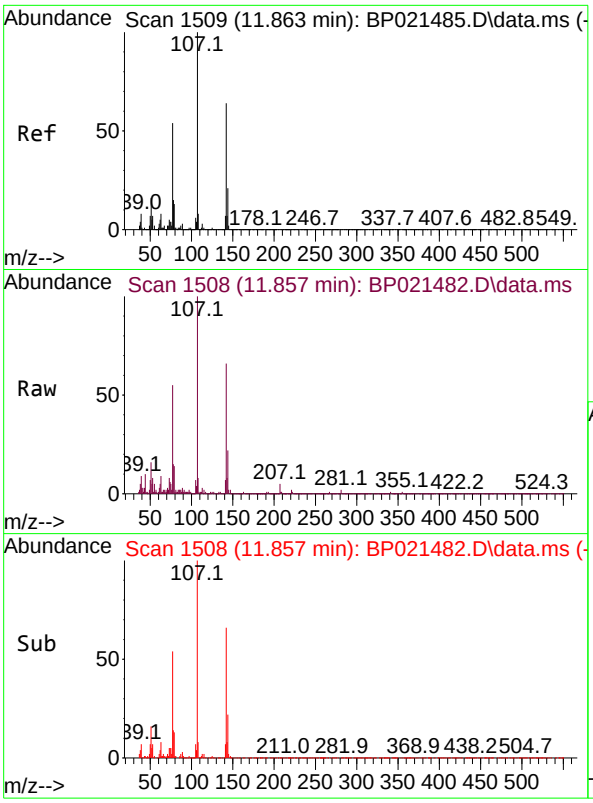


#35
Caprolactam
Concen: 4.463 ng
RT: 11.475 min Scan# 1443
Delta R.T. -0.024 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:113 Resp: 33090

Ion	Ratio	Lower	Upper
113	100		
55	153.8	130.6	170.6
56	115.8	94.6	134.6

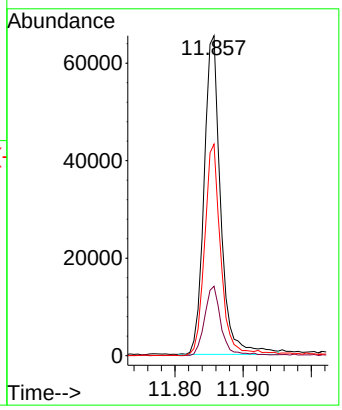




#36
4-Chloro-3-methylphenol
Concen: 4.481 ng
RT: 11.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:107 Resp: 11073

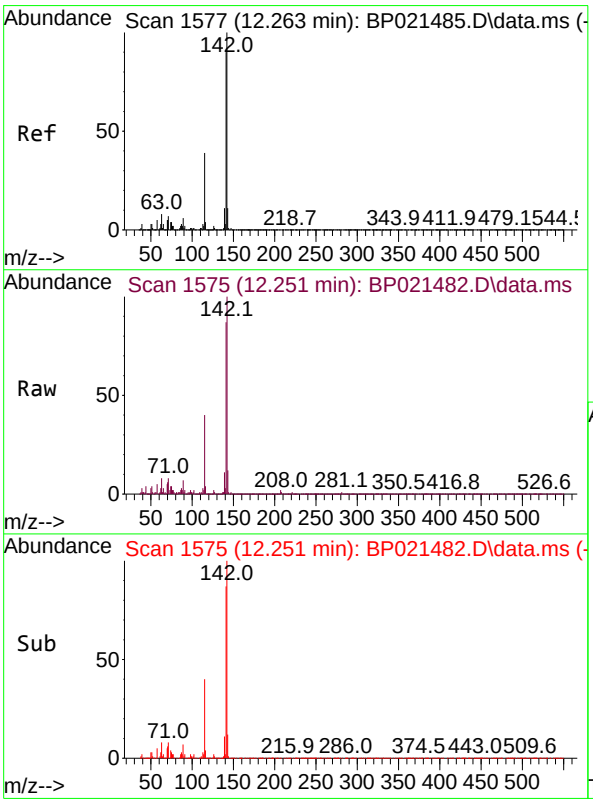
Ion	Ratio	Lower	Upper
107	100		
144	21.7	16.6	24.8
142	66.1	51.0	76.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

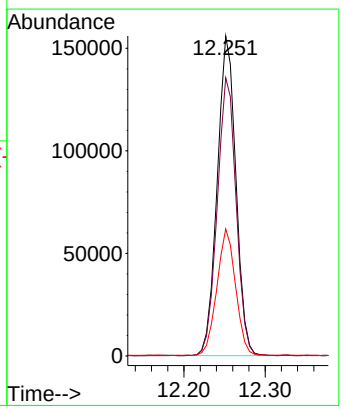
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

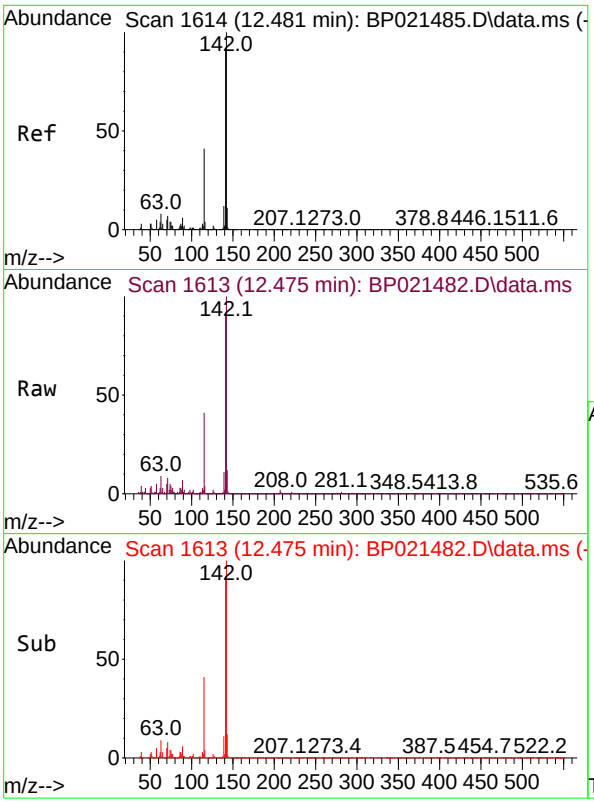


#37
2-Methylnaphthalene
Concen: 5.238 ng
RT: 12.251 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:142 Resp: 249268

Ion	Ratio	Lower	Upper
142	100		
141	87.0	71.7	107.5
115	39.7	31.4	47.2

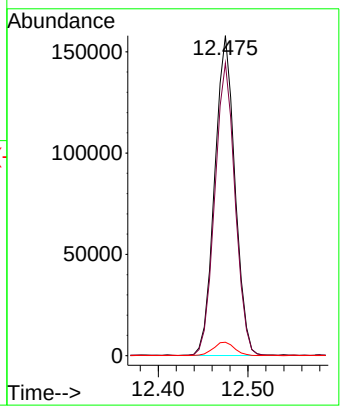




#38
1-Methylnaphthalene
Concen: 5.276 ng
RT: 12.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:142 Resp: 24761

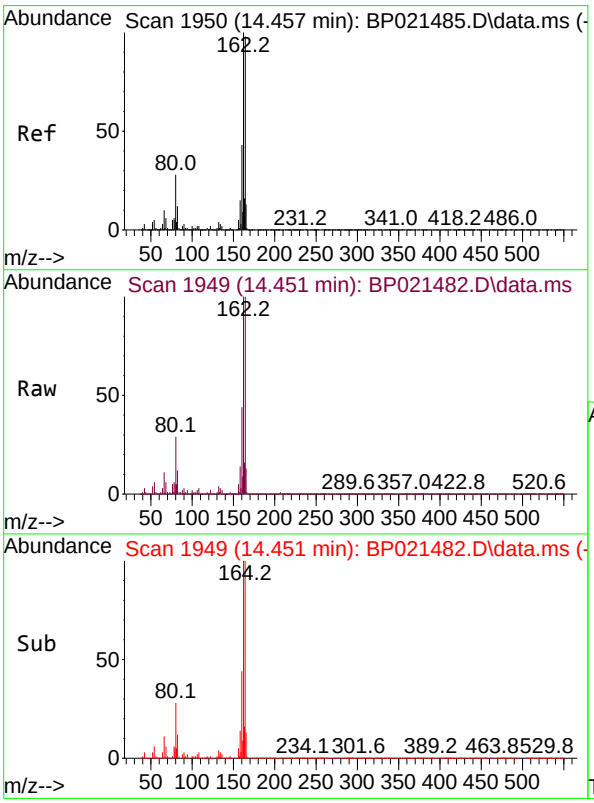
Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.5	110.3
116	4.2	3.4	5.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

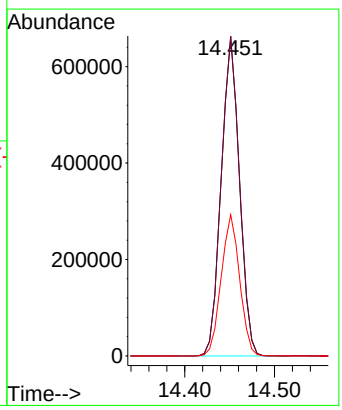
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

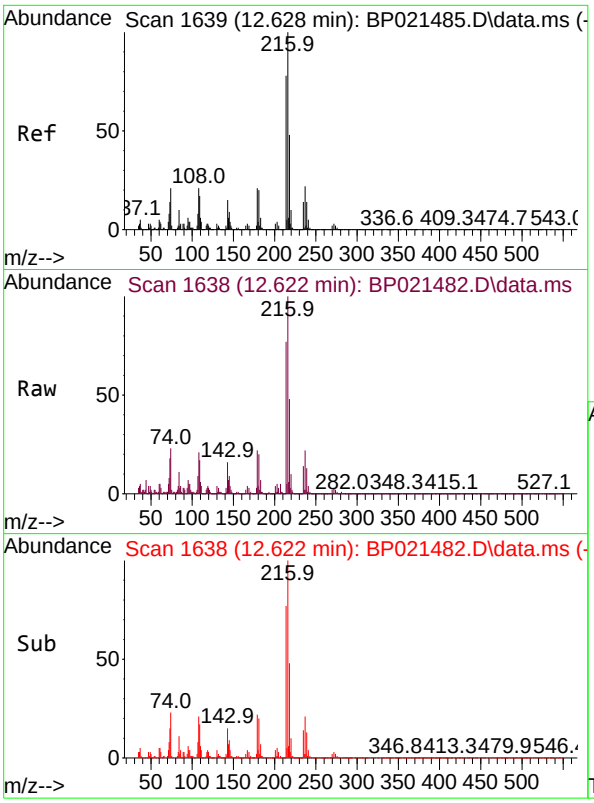


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:164 Resp: 933864

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.5	122.3
160	44.3	35.2	52.8

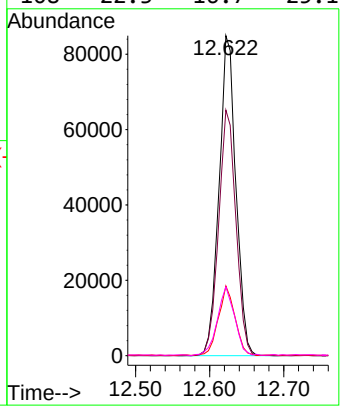




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.894 ng
RT: 12.622 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:216 Resp: 13391(

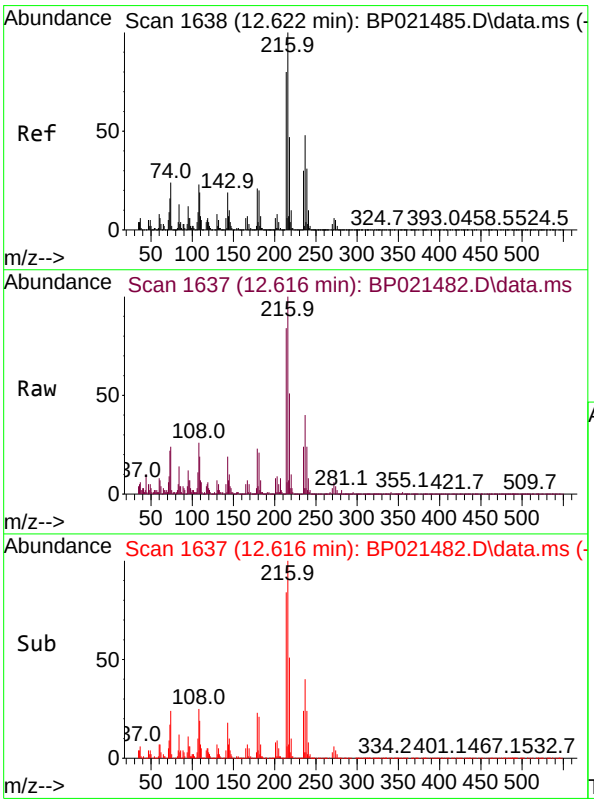
Ion	Ratio	Lower	Upper
216	100		
214	78.9	62.5	93.7
179	21.4	16.4	24.6
108	22.3	16.7	25.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

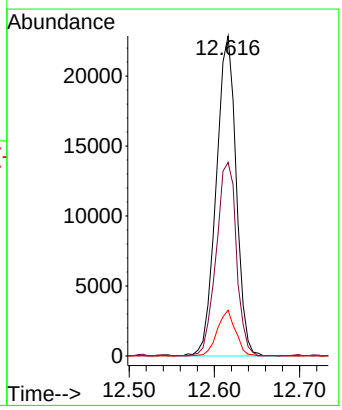
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

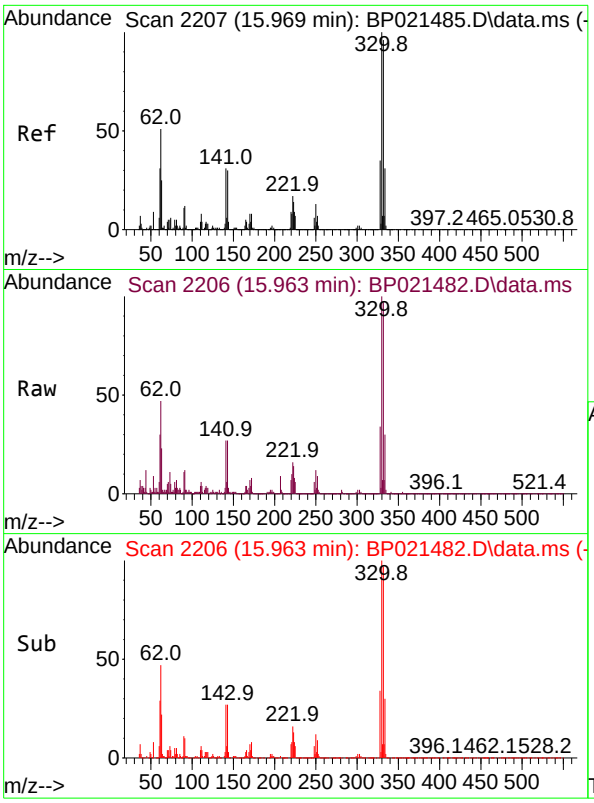


#41
Hexachlorocyclopentadiene
Concen: 4.288 ng
RT: 12.616 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:237 Resp: 37190

Ion	Ratio	Lower	Upper
237	100		
235	60.5	43.9	83.9
272	14.3	0.0	33.3

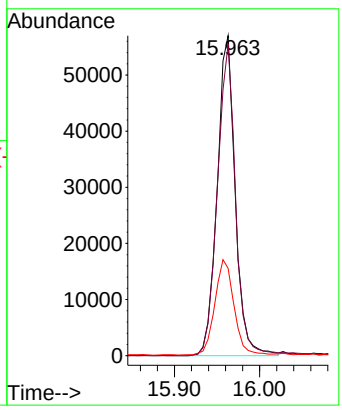




#42
2,4,6-Tribromophenol
Concen: 8.063 ng
RT: 15.963 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:330 Resp: 8380

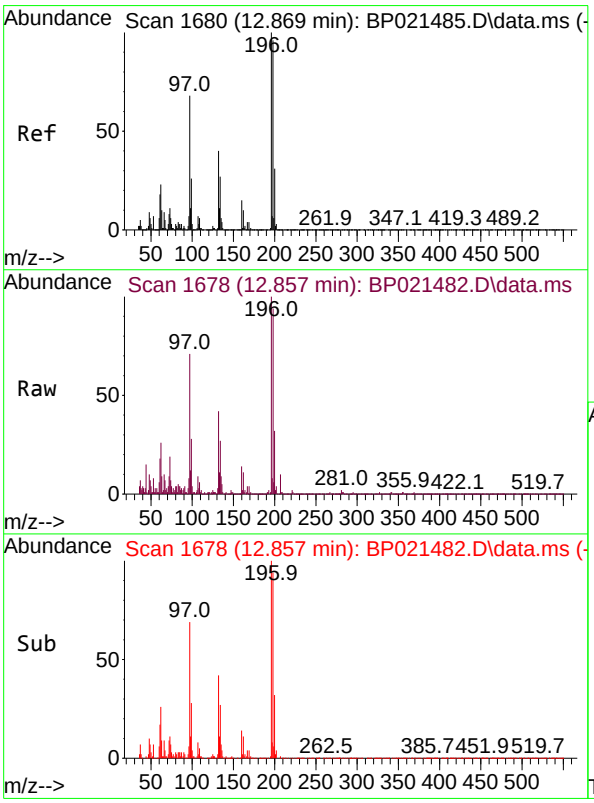
Ion	Ratio	Lower	Upper
330	100		
332	99.0	77.4	116.0
141	31.6	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

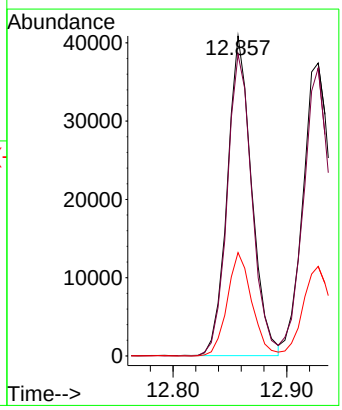
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

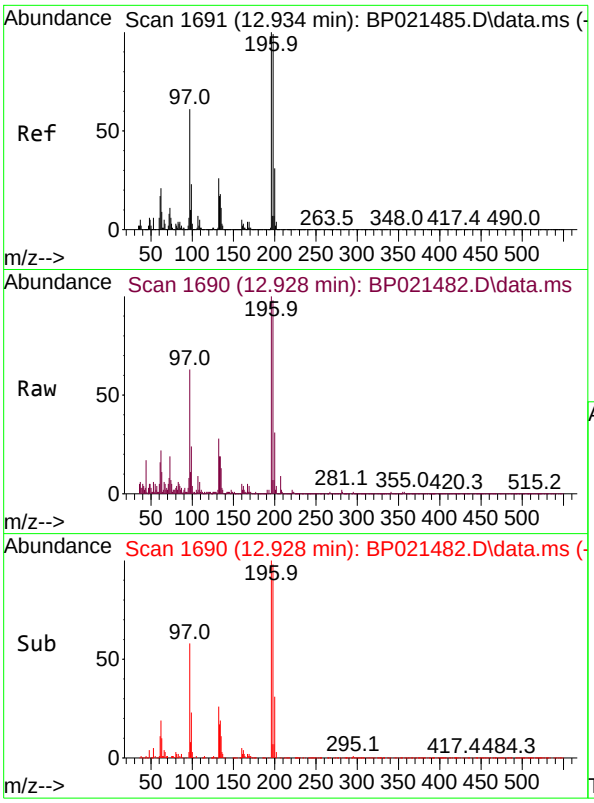


#43
2,4,6-Trichlorophenol
Concen: 4.003 ng
RT: 12.857 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:196 Resp: 60845

Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.6	114.8
200	32.3	24.5	36.7

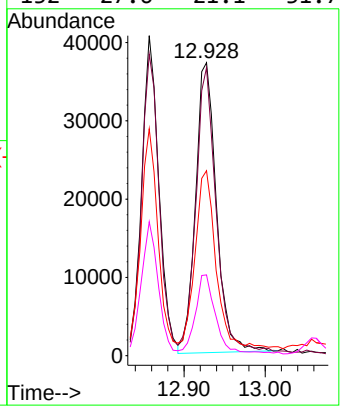




#44
2,4,5-Trichlorophenol
Concen: 3.926 ng
RT: 12.928 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:196 Resp: 6630

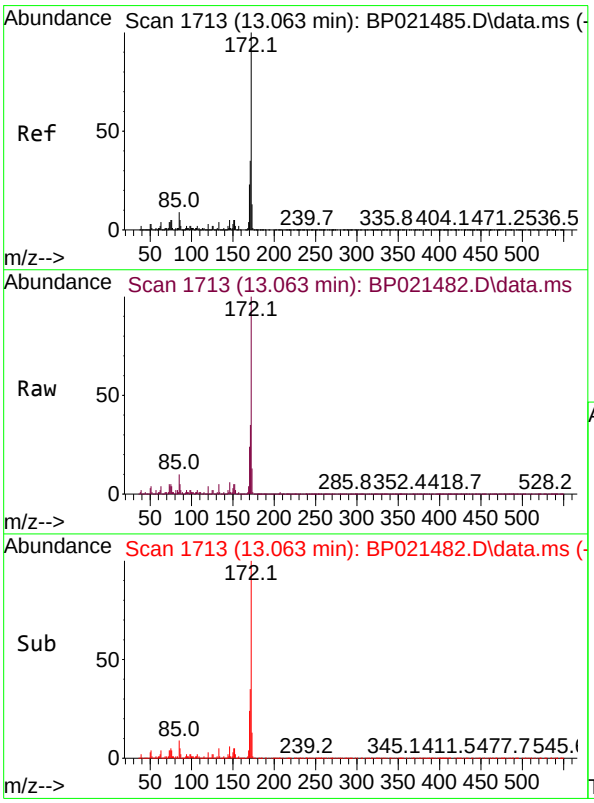
Ion	Ratio	Lower	Upper
196	100		
198	98.3	78.9	118.3
97	63.1	49.4	74.0
132	27.6	21.1	31.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

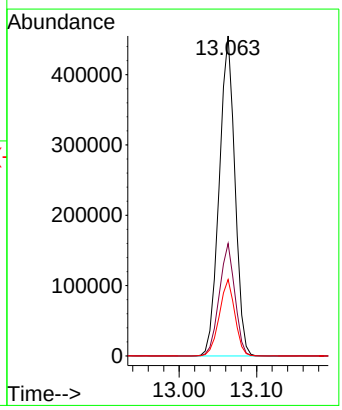
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

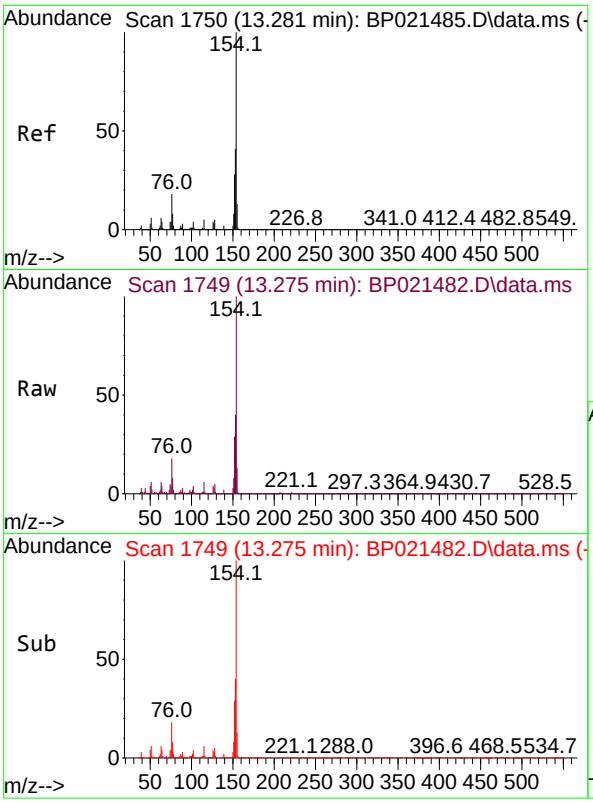


#45
2-Fluorobiphenyl
Concen: 10.464 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:172 Resp: 640316

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	23.9	18.4	27.6





#46
1,1'-Biphenyl
Concen: 5.168 ng
RT: 13.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

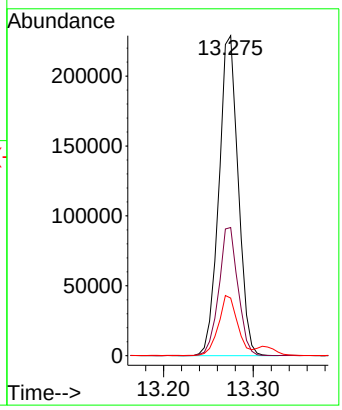
Tgt Ion:154 Resp: 34143

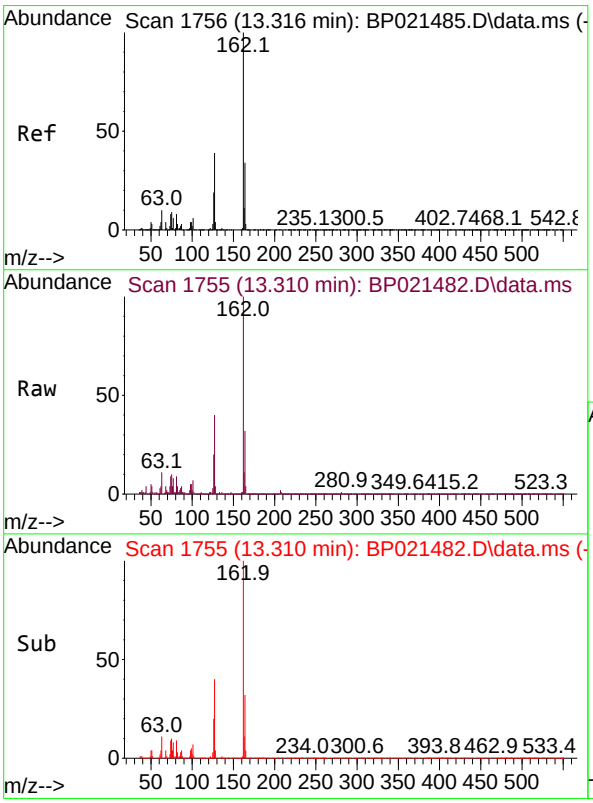
Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.7	60.7
76	18.0	0.0	37.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

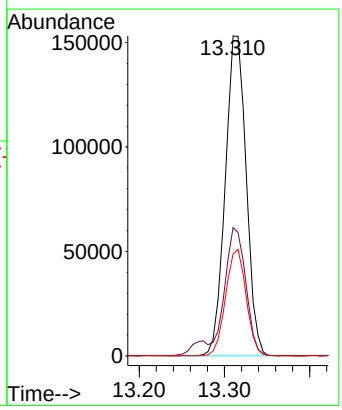


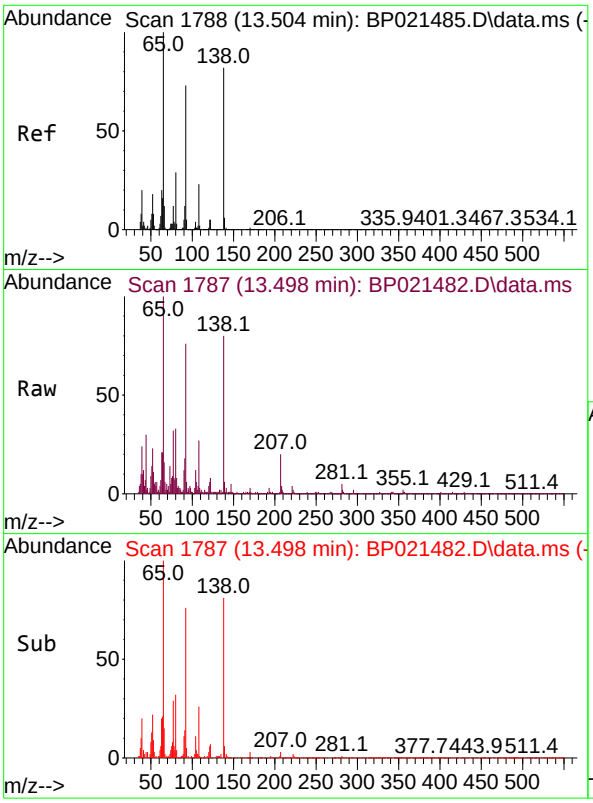


#47
2-Chloronaphthalene
Concen: 5.089 ng
RT: 13.310 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:162 Resp: 261761

Ion	Ratio	Lower	Upper
162	100		
127	40.1	31.9	47.9
164	31.9	26.8	40.2





#48
2-Nitroaniline
Concen: 7.264 ng
RT: 13.498 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

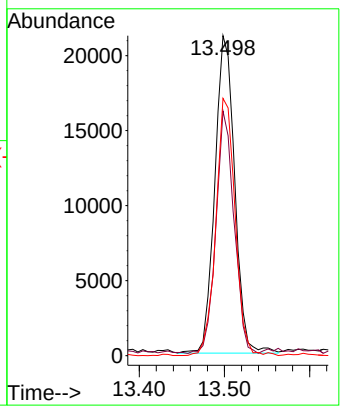
Tgt Ion: 65 Resp: 3418

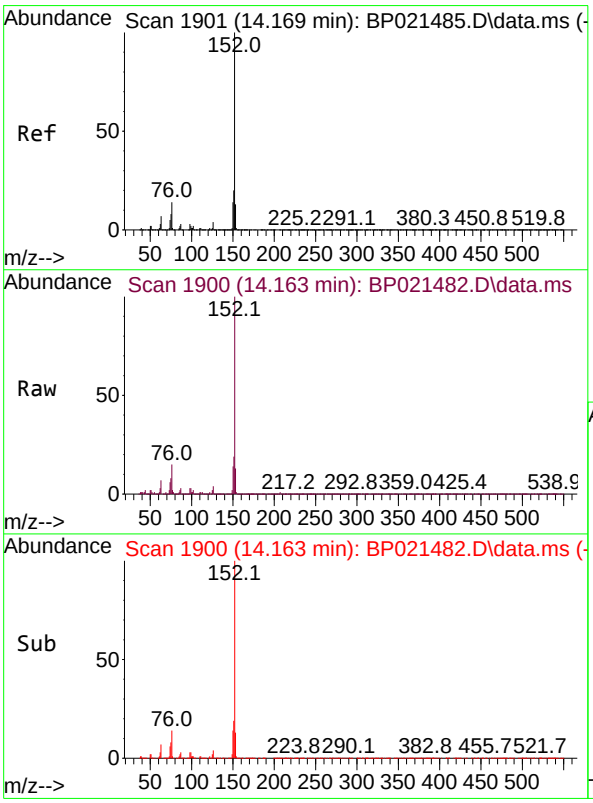
Ion	Ratio	Lower	Upper
65	100		
92	76.5	58.1	87.1
138	80.4	65.5	98.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

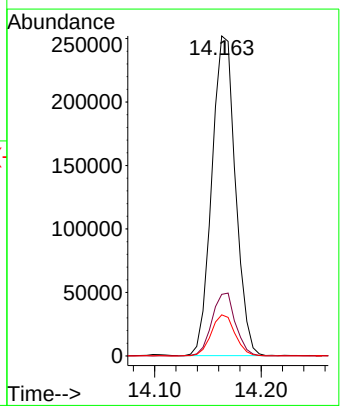


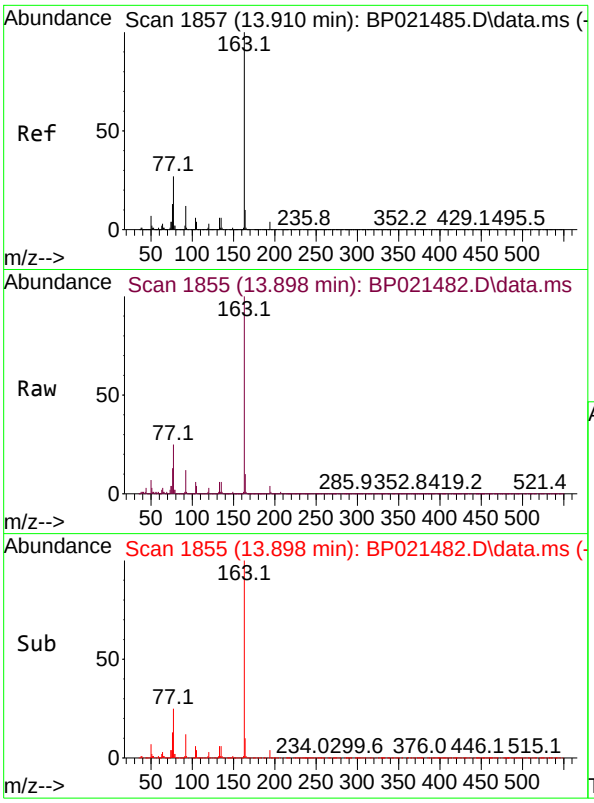


#49
Acenaphthylene
Concen: 5.126 ng
RT: 14.163 min Scan# 1900
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:152 Resp: 387614

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.9	23.9
153	12.9	10.6	16.0

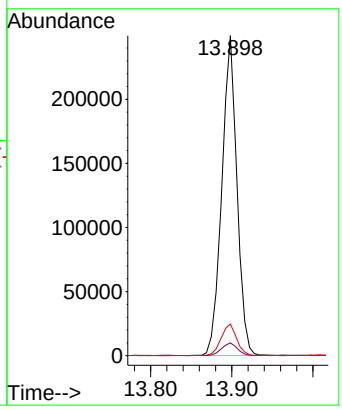




#50
Dimethylphthalate
Concen: 5.178 ng
RT: 13.898 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:163 Resp: 32380

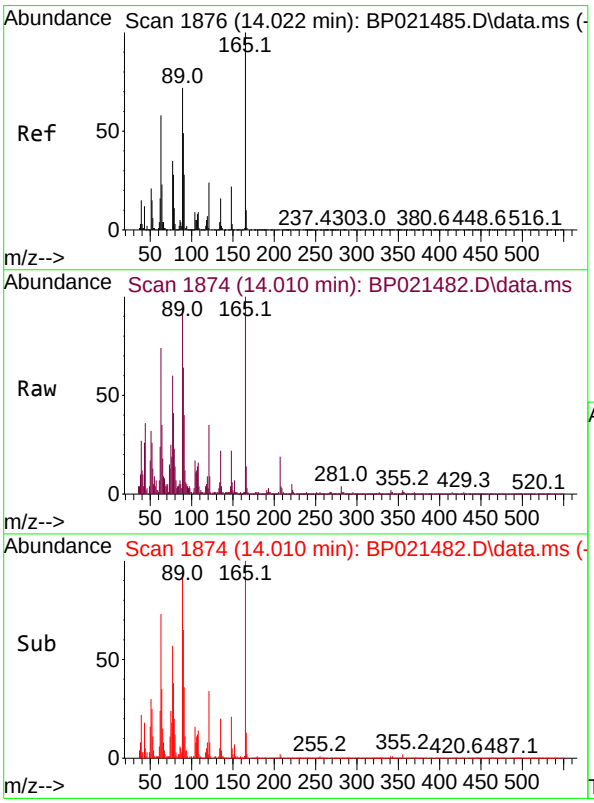
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.9	8.3	12.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

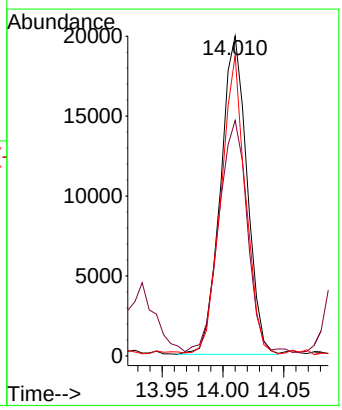
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

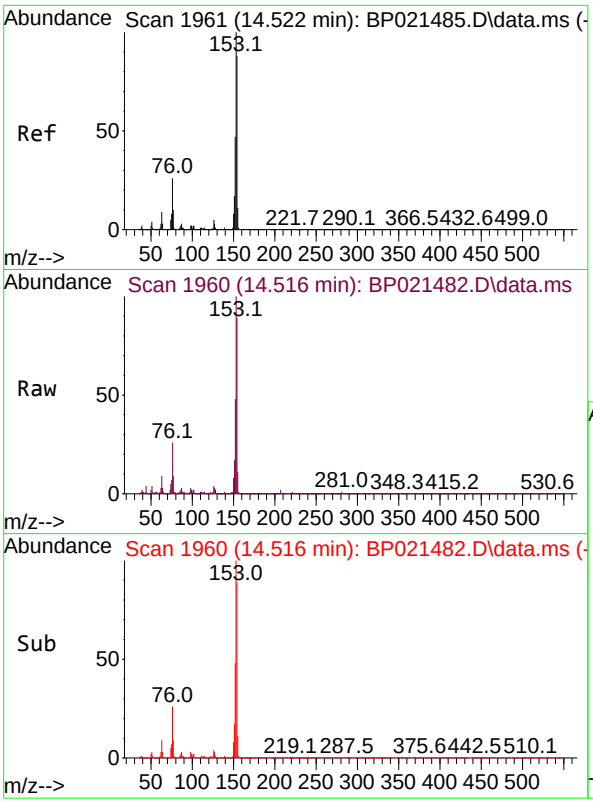


#51
2,6-Dinitrotoluene
Concen: 6.169 ng
RT: 14.010 min Scan# 1874
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:165 Resp: 30050

Ion	Ratio	Lower	Upper
165	100		
63	73.6	51.5	77.3
89	93.9	57.8	86.8#

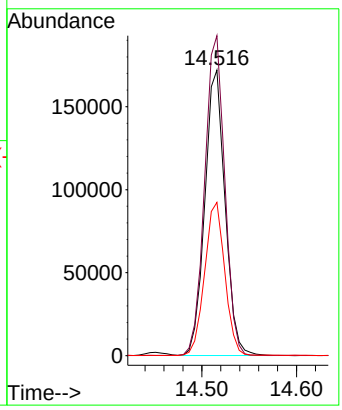




#52
Acenaphthene
Concen: 5.150 ng
RT: 14.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:154 Resp: 25551

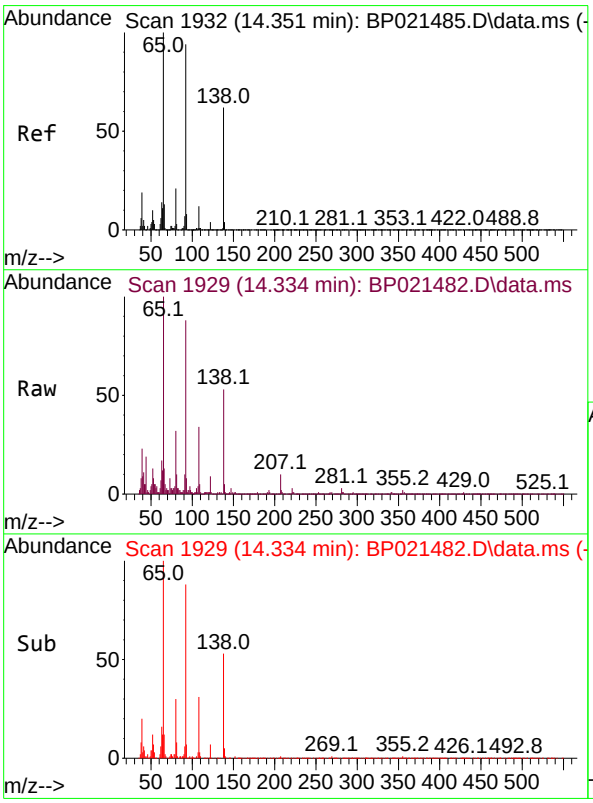
Ion	Ratio	Lower	Upper
154	100		
153	112.0	91.1	136.7
152	53.7	43.0	64.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

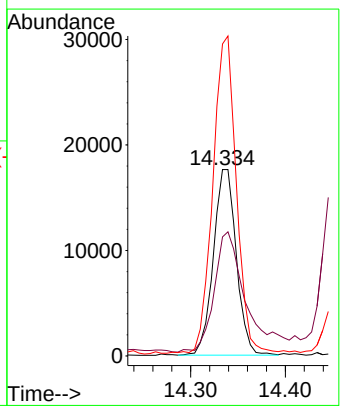
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

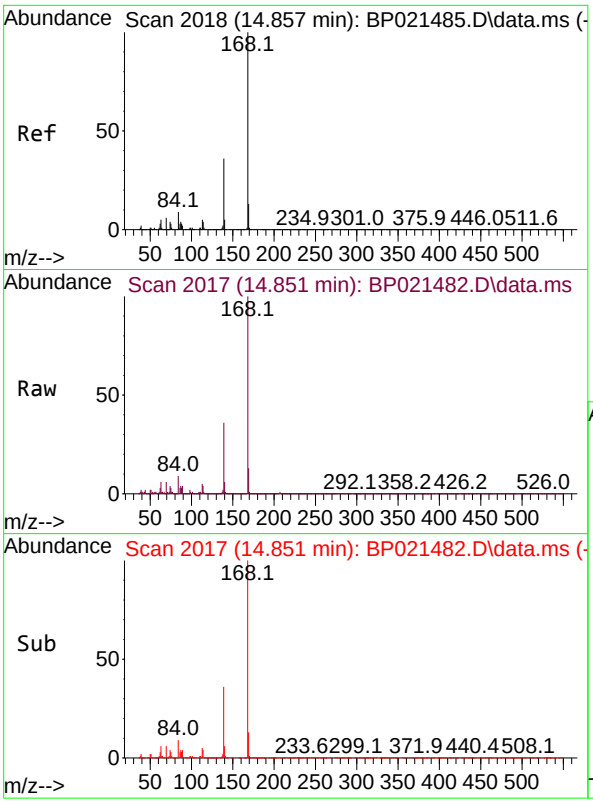


#53
3-Nitroaniline
Concen: 6.160 ng
RT: 14.334 min Scan# 1929
Delta R.T. -0.017 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:138 Resp: 29621

Ion	Ratio	Lower	Upper
138	100		
108	63.9	16.2	24.4#
92	167.4	122.2	183.4

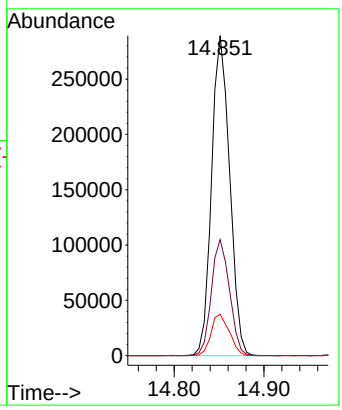




#55
Dibenzofuran
Concen: 5.307 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:168 Resp: 40502

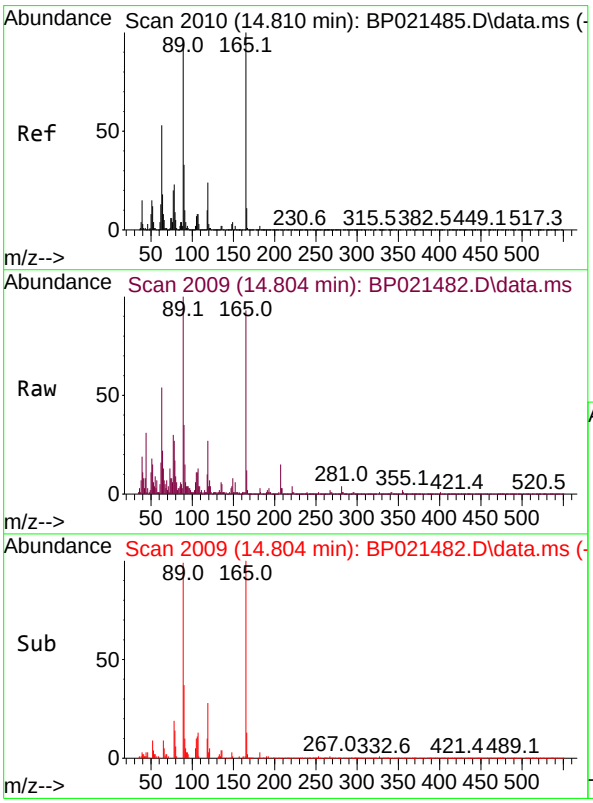
Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.6	43.0
169	12.9	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

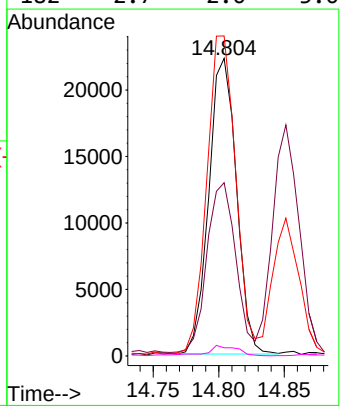
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

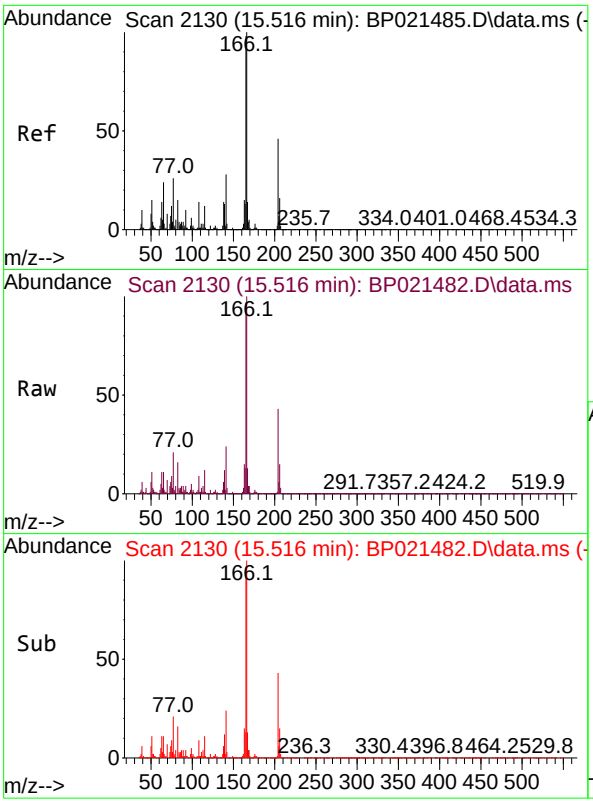


#57
2,4-Dinitrotoluene
Concen: 6.843 ng
RT: 14.804 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:165 Resp: 32636

Ion	Ratio	Lower	Upper
165	100		
63	58.2	42.5	63.7
89	107.5	77.1	115.7
182	2.7	2.0	3.0

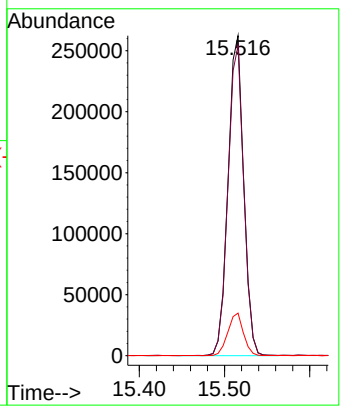




#58
Fluorene
Concen: 5.326 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:166 Resp: 33397

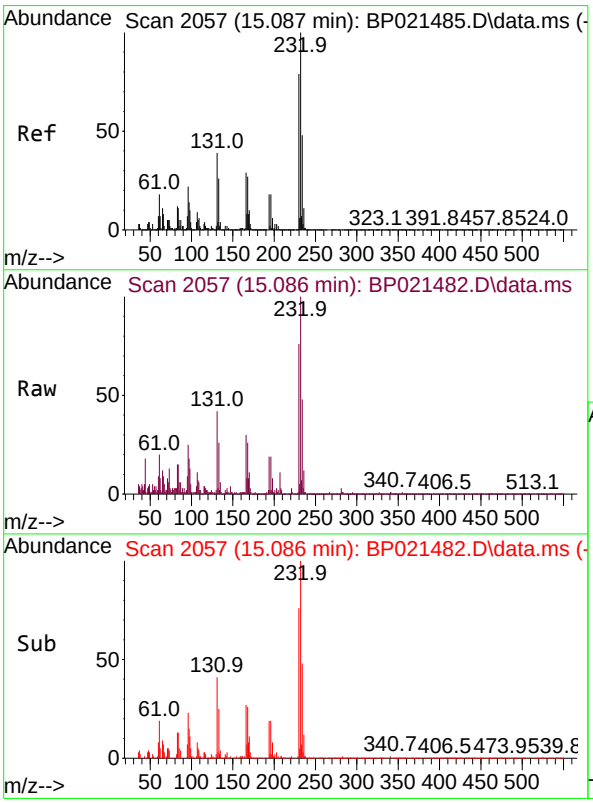
Ion	Ratio	Lower	Upper
166	100		
165	96.9	78.1	117.1
167	13.3	11.0	16.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

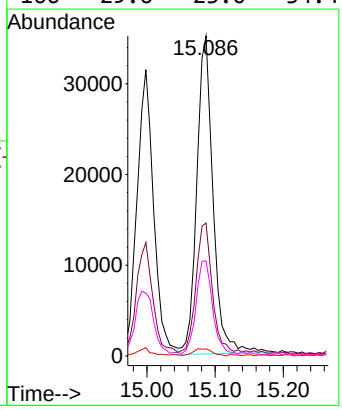
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

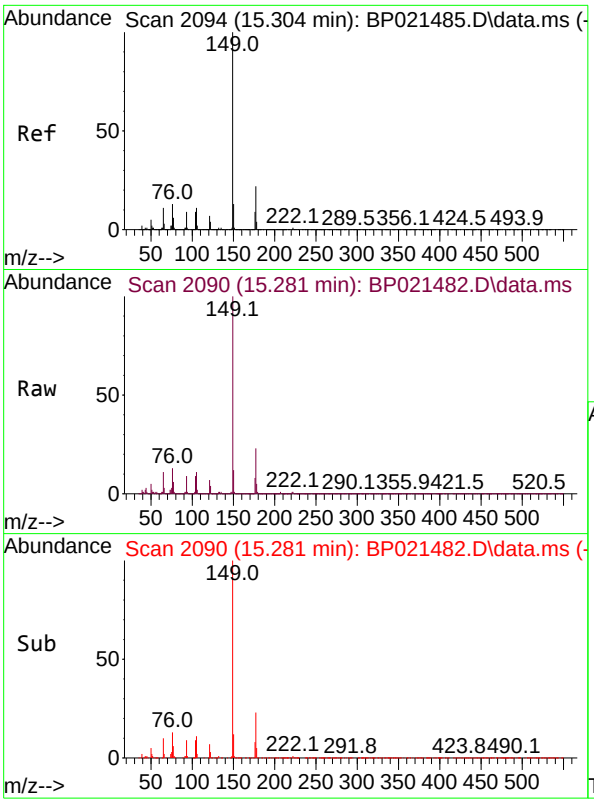


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.076 ng
RT: 15.086 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:232 Resp: 58426

Ion	Ratio	Lower	Upper
232	100		
131	40.4	33.1	49.7
130	2.7	1.7	2.5#
166	29.6	23.0	34.4

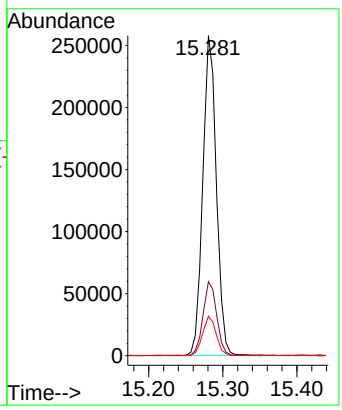




#60
Diethylphthalate
Concen: 5.113 ng
RT: 15.281 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 32811

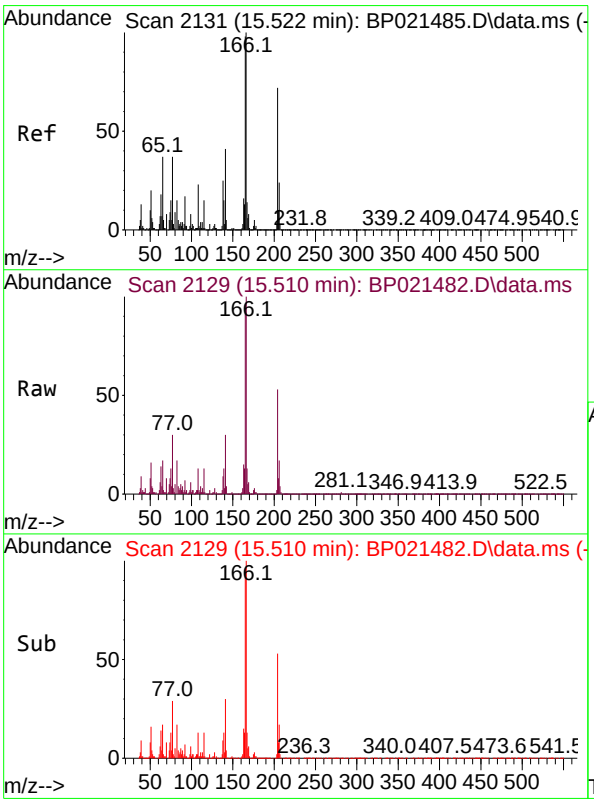
Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.8	26.8
150	12.3	10.1	15.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

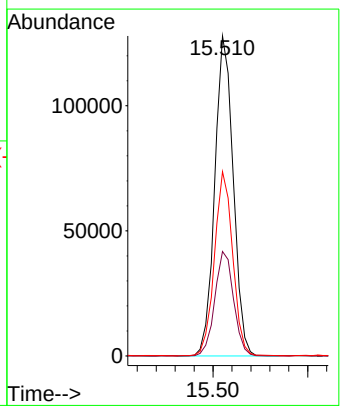
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

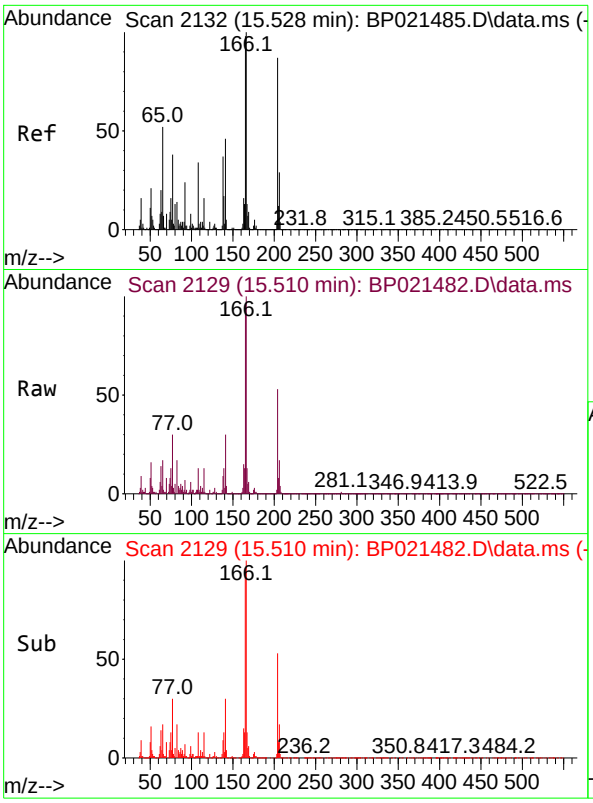


#61
4-Chlorophenyl-phenylether
Concen: 5.340 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:204 Resp: 173085

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.4	39.6
141	57.6	46.1	69.1

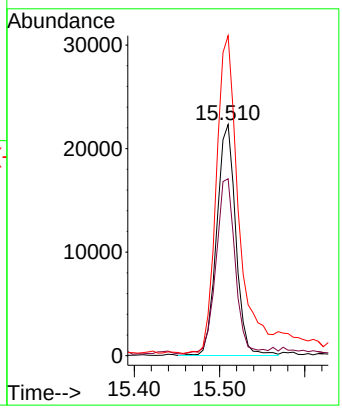




#62
4-Nitroaniline
Concen: 5.481 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:138 Resp: 3457

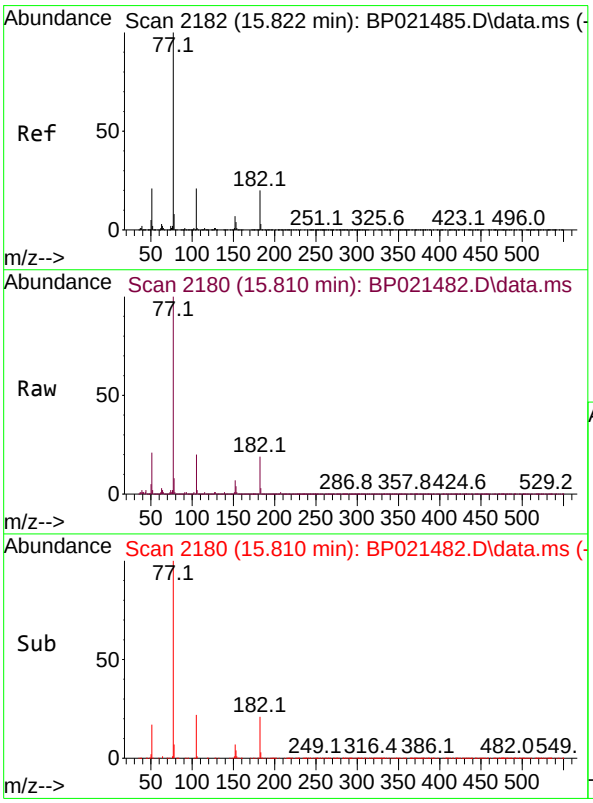
Ion	Ratio	Lower	Upper
138	100		
92	76.5	46.4	86.4
108	138.4	73.2	113.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

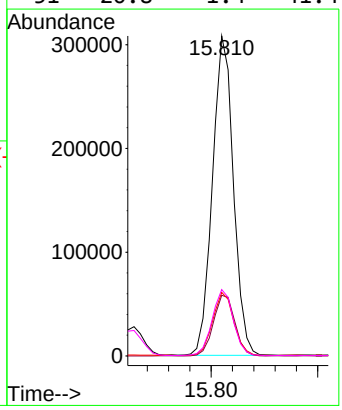
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

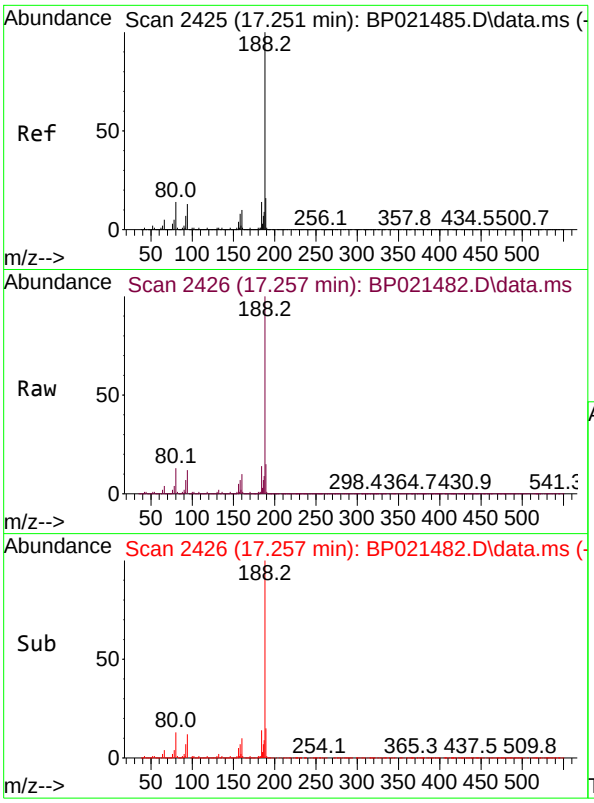


#63
Azobenzene
Concen: 5.318 ng
RT: 15.810 min Scan# 2180
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion: 77 Resp: 419466

Ion	Ratio	Lower	Upper
77	100		
182	19.0	0.0	39.9
105	19.8	0.9	40.9
51	20.8	1.4	41.4

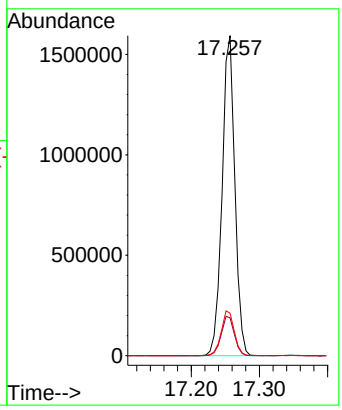




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:188 Resp: 207082

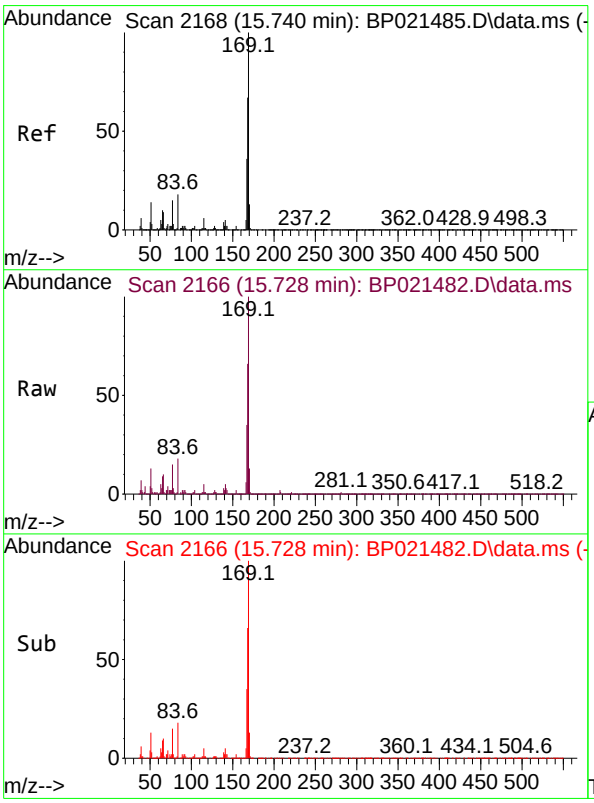
Ion	Ratio	Lower	Upper
188	100		
94	11.9	10.2	15.4
80	13.3	11.6	17.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

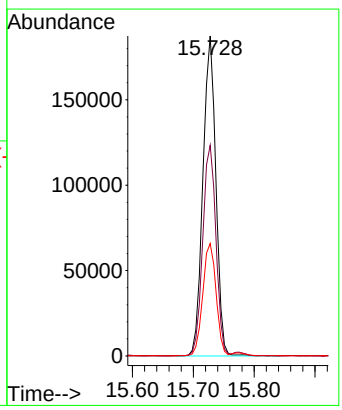
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

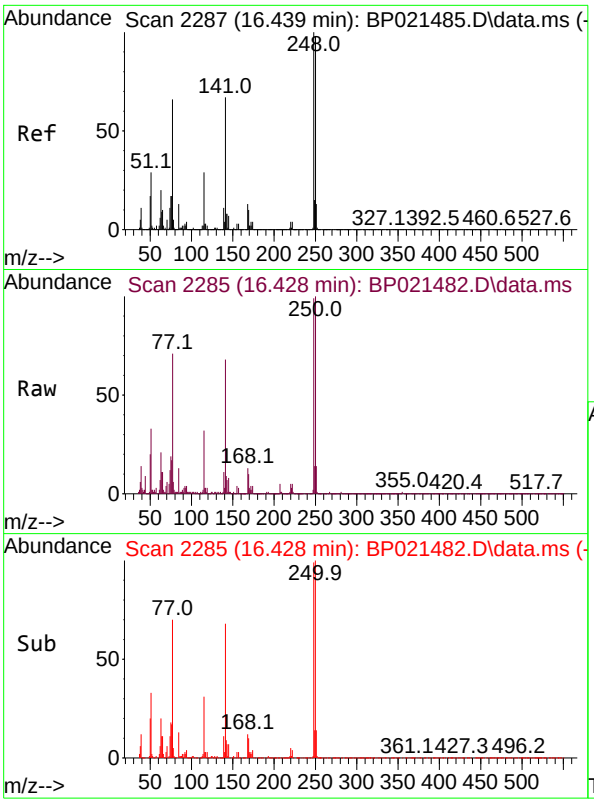


#66
n-Nitrosodiphenylamine
Concen: 4.986 ng
RT: 15.728 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:169 Resp: 276698

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.4	80.2
167	35.2	28.7	43.1

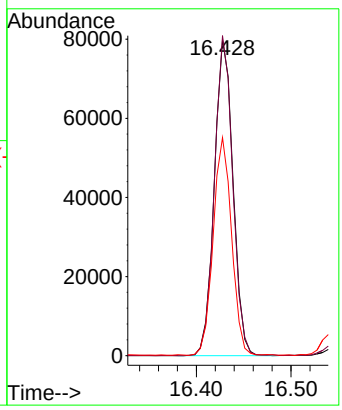




#67
4-Bromophenyl-phenylether
Concen: 4.985 ng
RT: 16.428 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:248 Resp: 10925

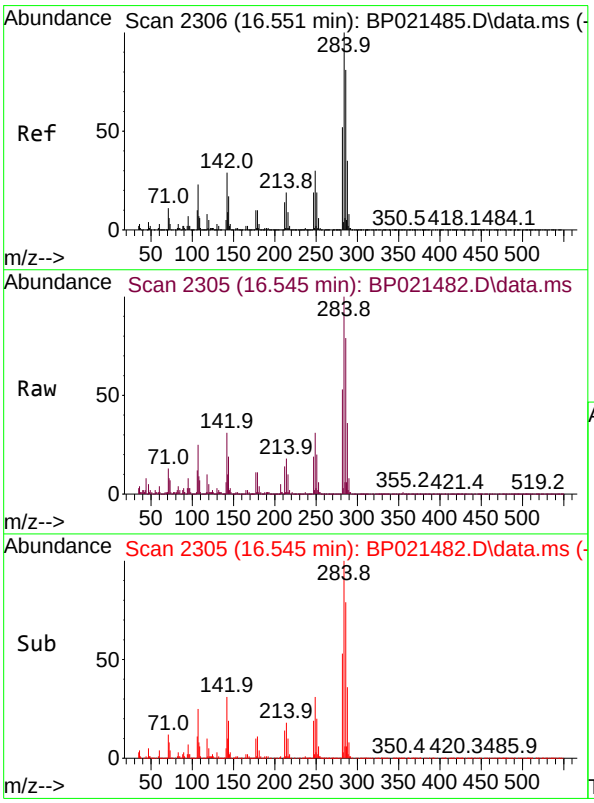
Ion	Ratio	Lower	Upper
248	100		
250	101.3	78.6	117.8
141	69.0	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

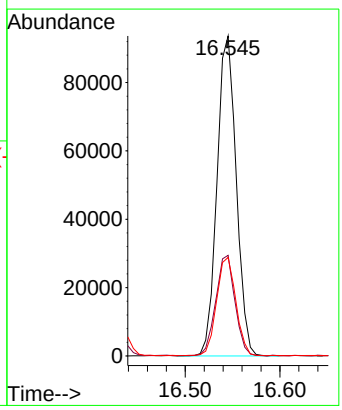
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

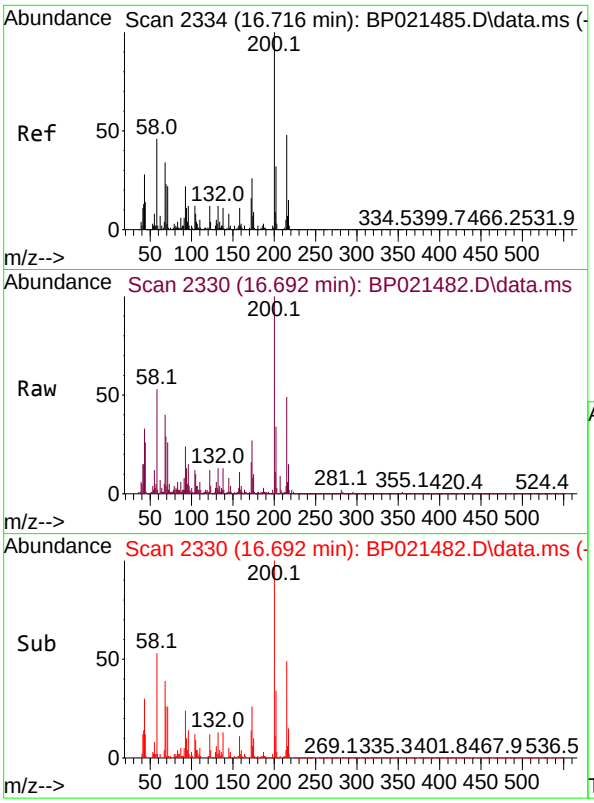


#68
Hexachlorobenzene
Concen: 5.104 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:284 Resp: 132184

Ion	Ratio	Lower	Upper
284	100		
142	31.5	23.4	35.2
249	30.8	24.1	36.1

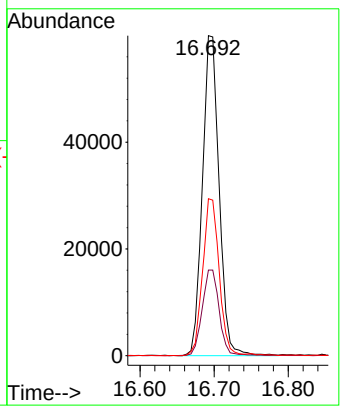




#69
Atrazine
Concen: 4.921 ng
RT: 16.692 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:200 Resp: 9376

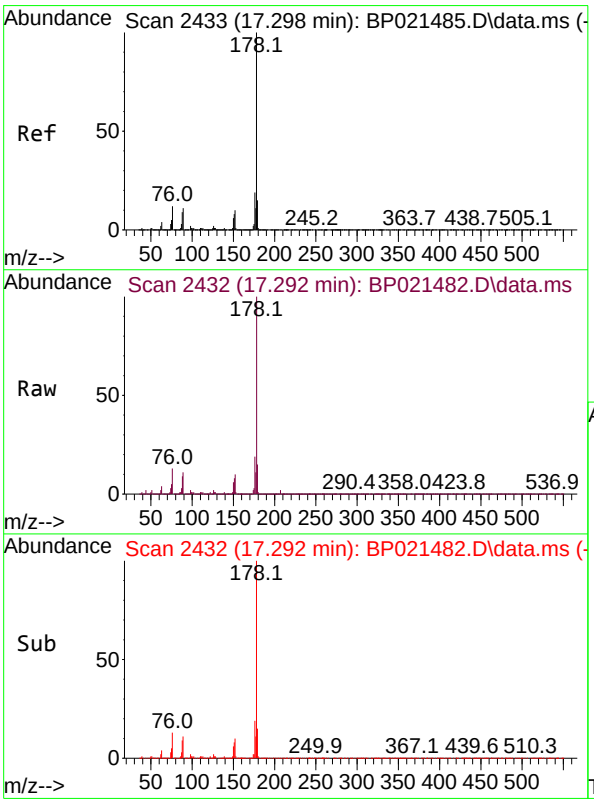
Ion	Ratio	Lower	Upper
200	100		
173	26.8	6.2	46.2
215	49.0	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

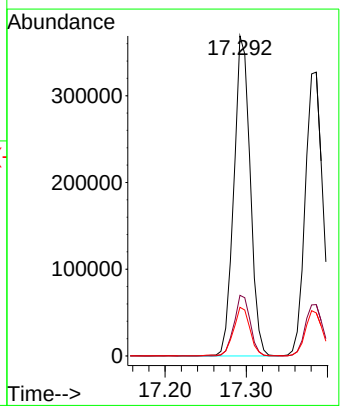
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

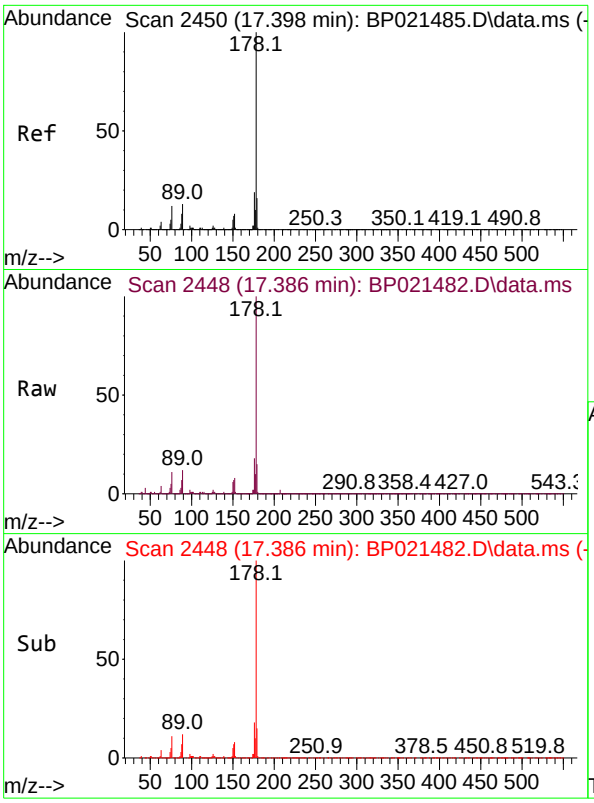


#71
Phenanthrene
Concen: 5.149 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:178 Resp: 512757

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.2	12.4	18.6

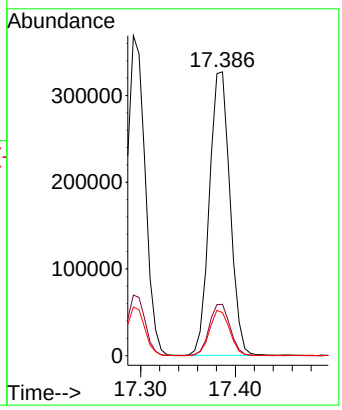




#72
Anthracene
Concen: 5.058 ng
RT: 17.386 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:178 Resp: 49398

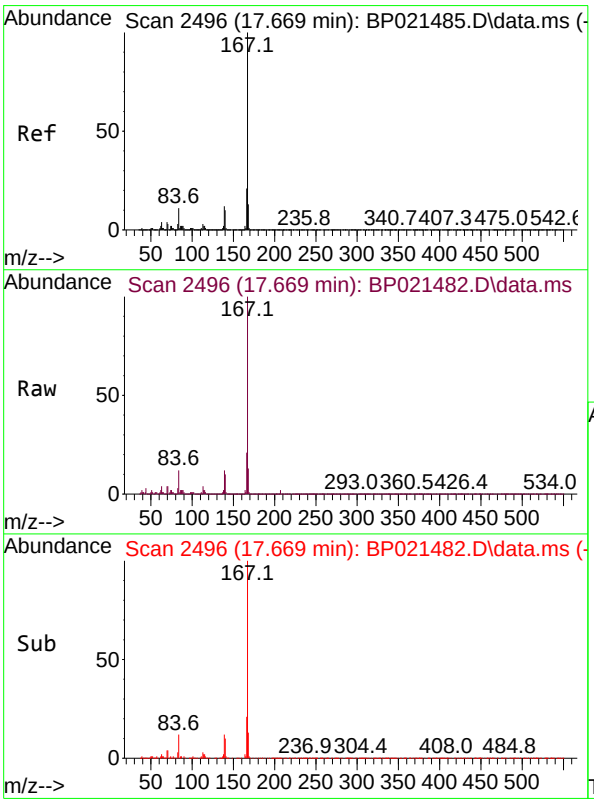
Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.9	22.3
179	15.2	12.5	18.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

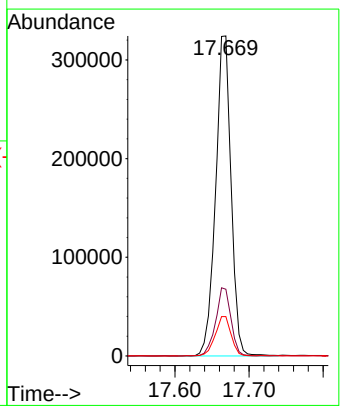
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

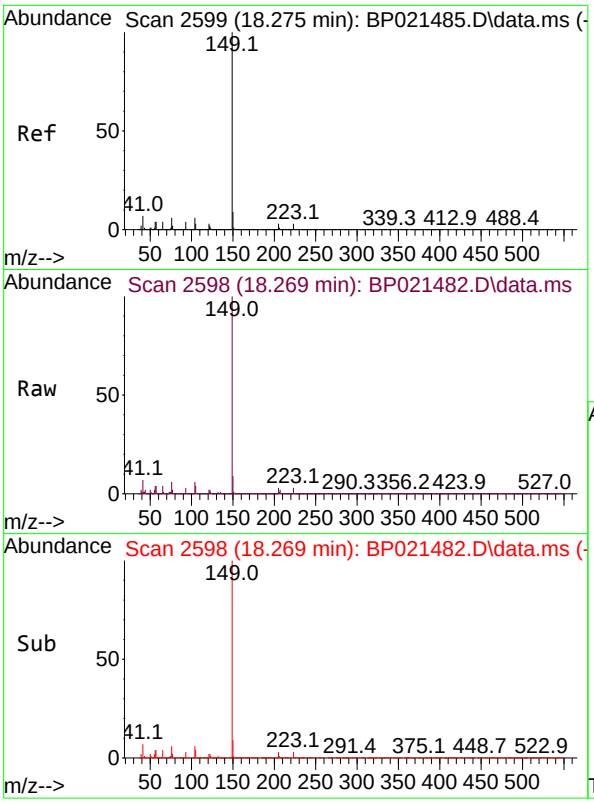


#73
Carbazole
Concen: 4.996 ng
RT: 17.669 min Scan# 2496
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:167 Resp: 470253

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.4
139	12.3	9.9	14.9

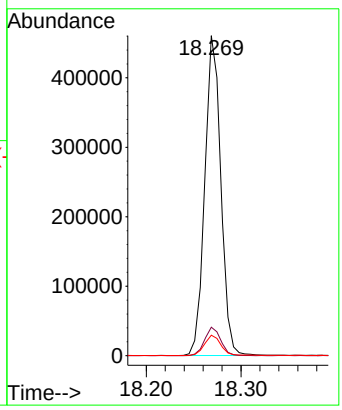




#74
Di-n-butylphthalate
Concen: 4.697 ng
RT: 18.269 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 54297

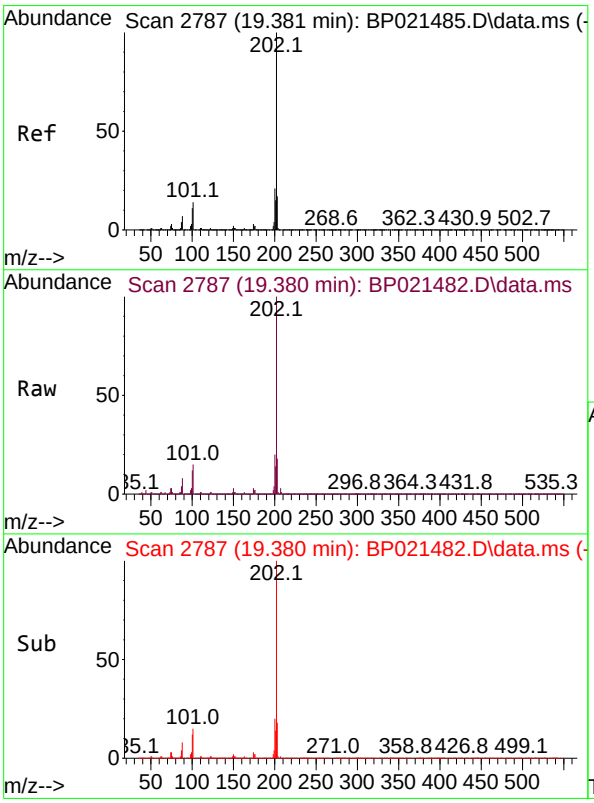
Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	6.4	4.9	7.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

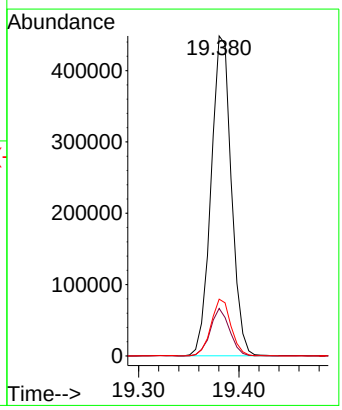
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

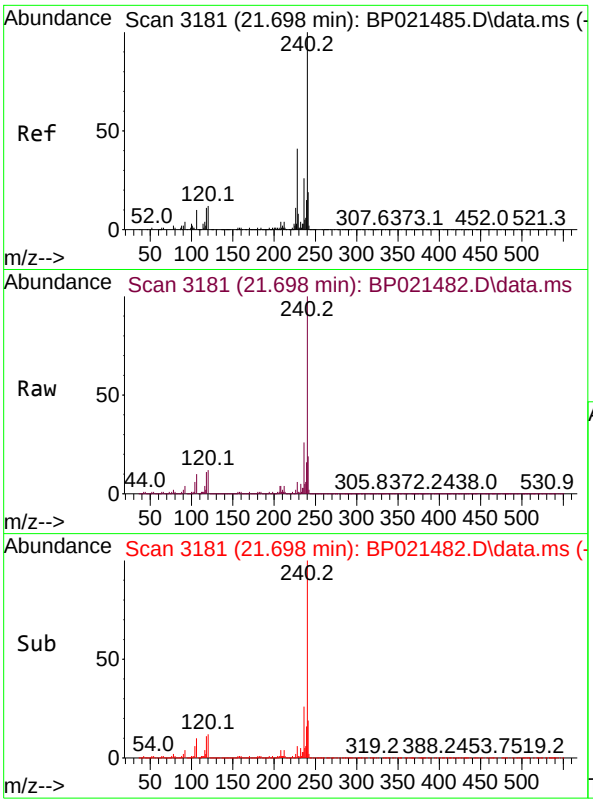


#75
Fluoranthene
Concen: 5.148 ng
RT: 19.380 min Scan# 2787
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:202 Resp: 629080

Ion	Ratio	Lower	Upper
202	100		
101	14.8	0.0	34.0
203	17.8	0.0	37.5

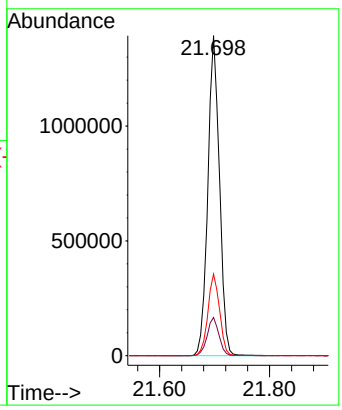




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.698 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:240 Resp: 204039

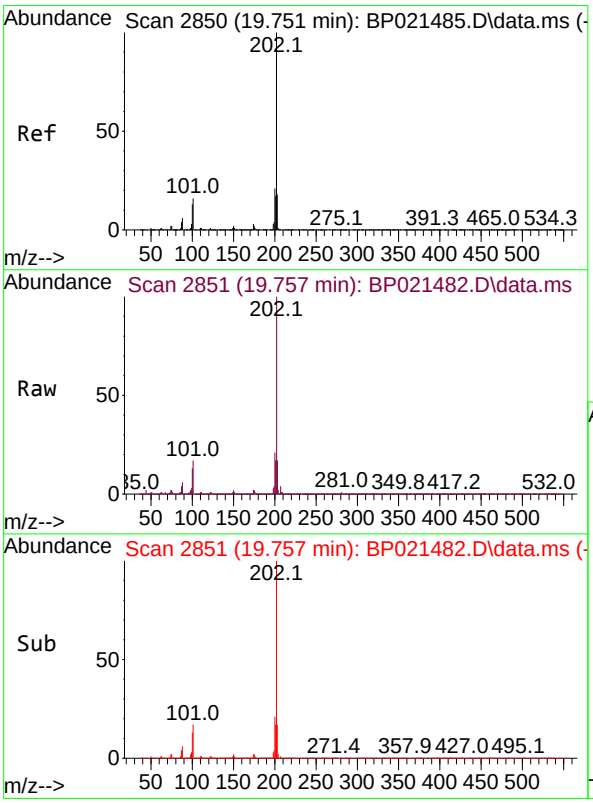
Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.9	14.9
236	25.5	20.6	30.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

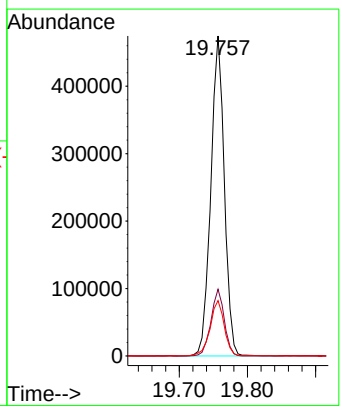
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

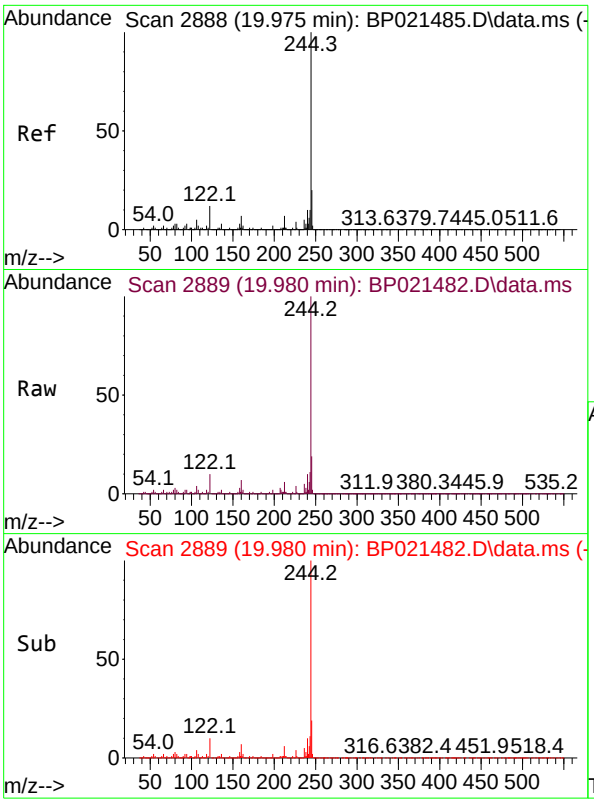


#78
Pyrene
Concen: 4.906 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:202 Resp: 654333

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.3	14.1	21.1





#79
Terphenyl-d14
Concen: 10.379 ng
RT: 19.980 min Scan# 2
Delta R.T. 0.005 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

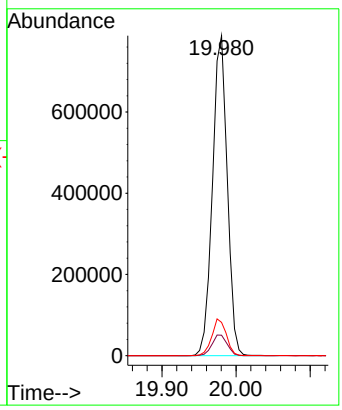
Tgt Ion:244 Resp: 109011

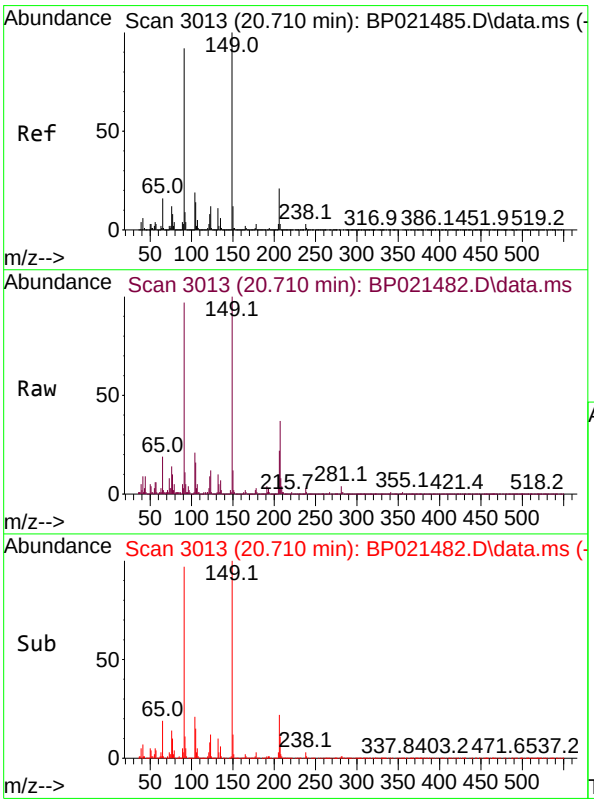
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.6	8.4
122	10.4	9.4	14.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

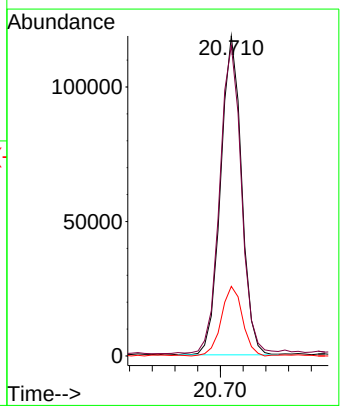


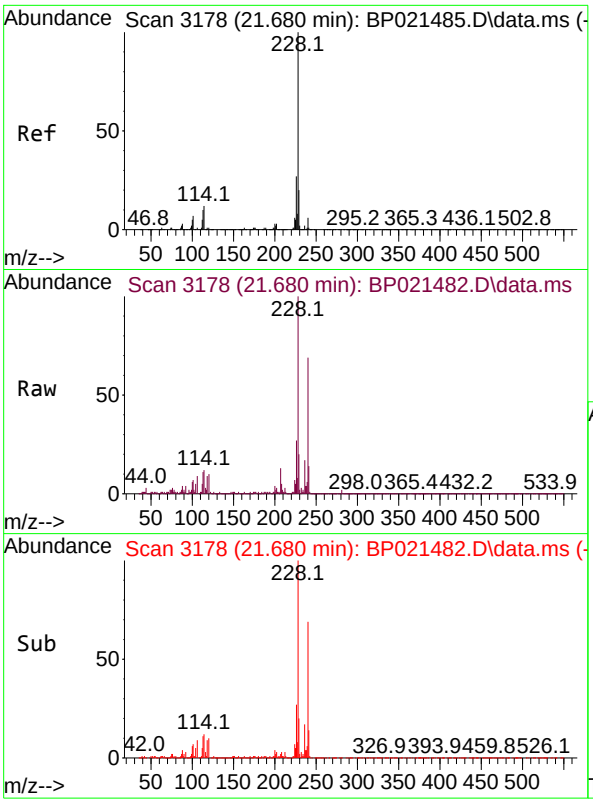


#80
Butylbenzylphthalate
Concen: 6.382 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 152079

Ion	Ratio	Lower	Upper
149	100		
91	97.1	73.3	109.9
206	21.7	17.1	25.7

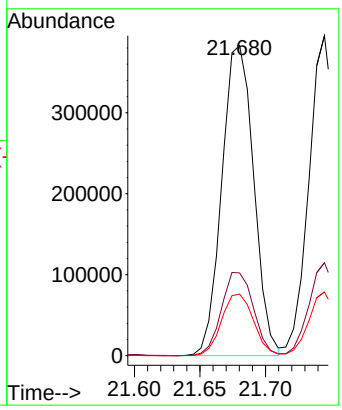




#81
Benzo(a)anthracene
Concen: 5.063 ng
RT: 21.680 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:228 Resp: 64852

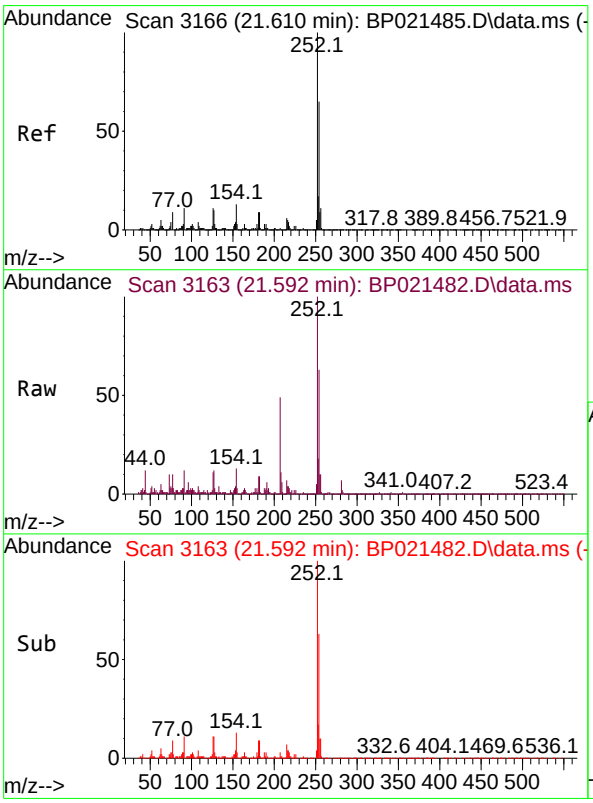
Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.2
229	19.9	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

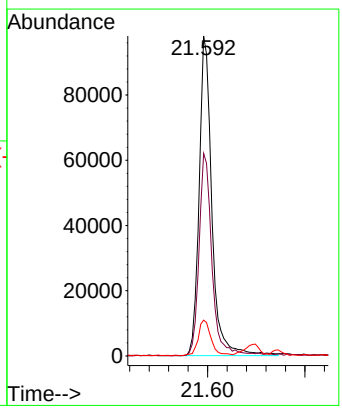
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

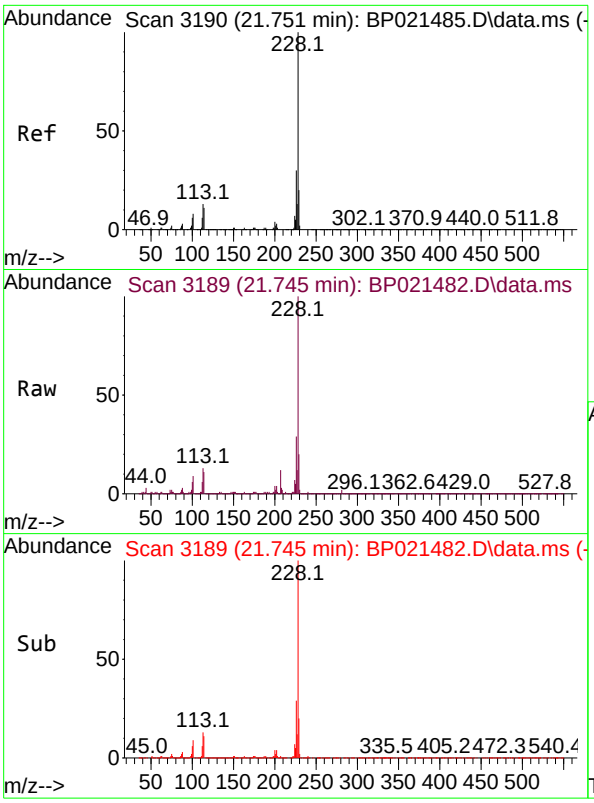


#82
3,3'-Dichlorobenzidine
Concen: 4.338 ng
RT: 21.592 min Scan# 3163
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 178137

Ion	Ratio	Lower	Upper
252	100		
254	63.3	51.7	77.5
126	11.2	8.7	13.1

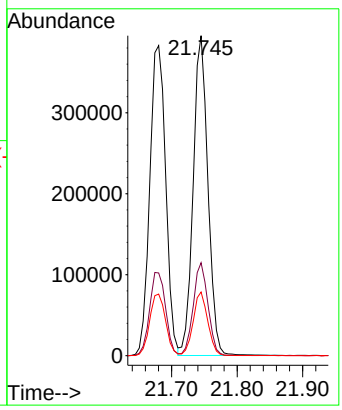




#83
Chrysene
Concen: 5.115 ng
RT: 21.745 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:228 Resp: 61862

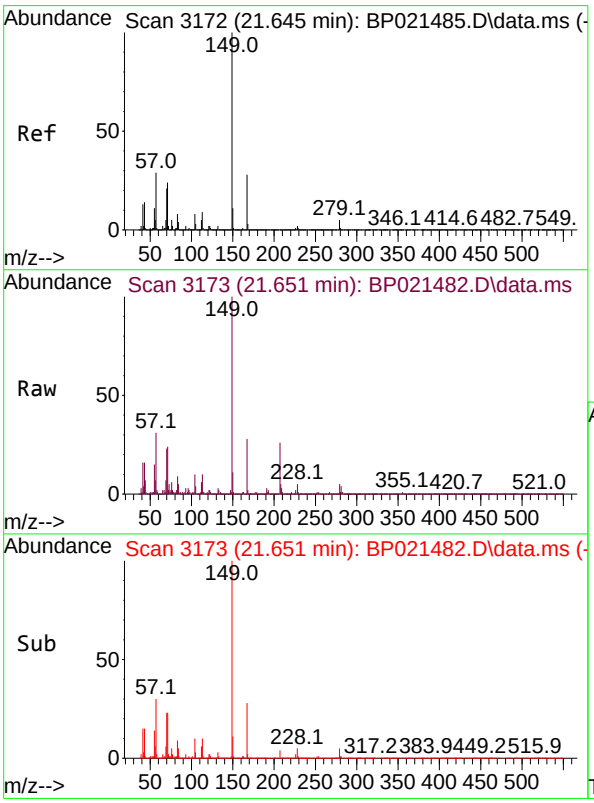
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.9	35.9
229	19.9	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

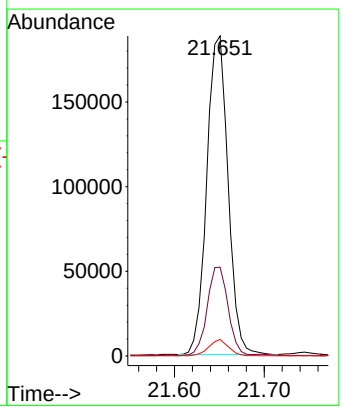
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

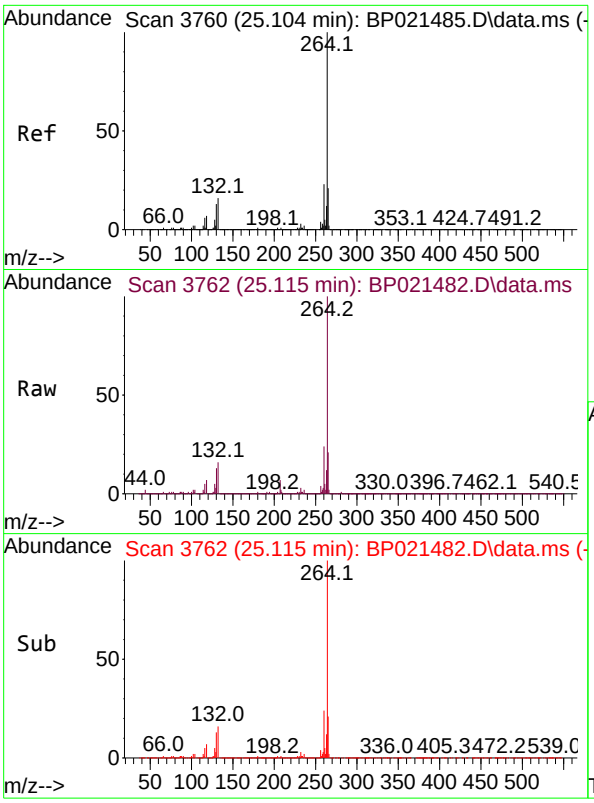


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.091 ng
RT: 21.651 min Scan# 3173
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:149 Resp: 309738

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.3	33.5
279	5.2	3.8	5.6

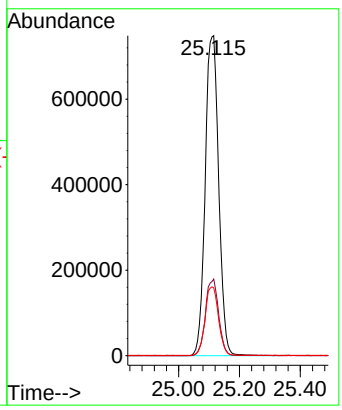




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.115 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:264 Resp: 229953

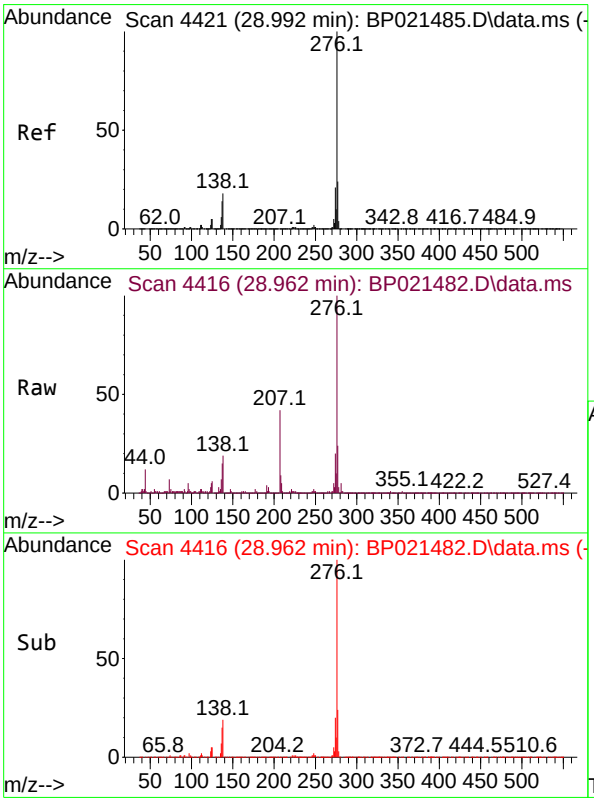
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.2	17.1	25.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

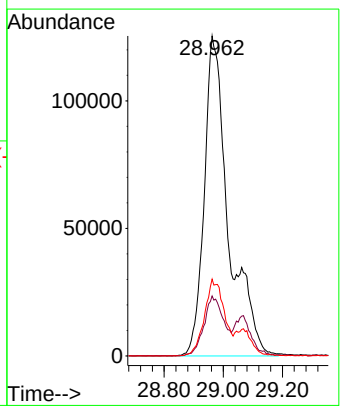
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

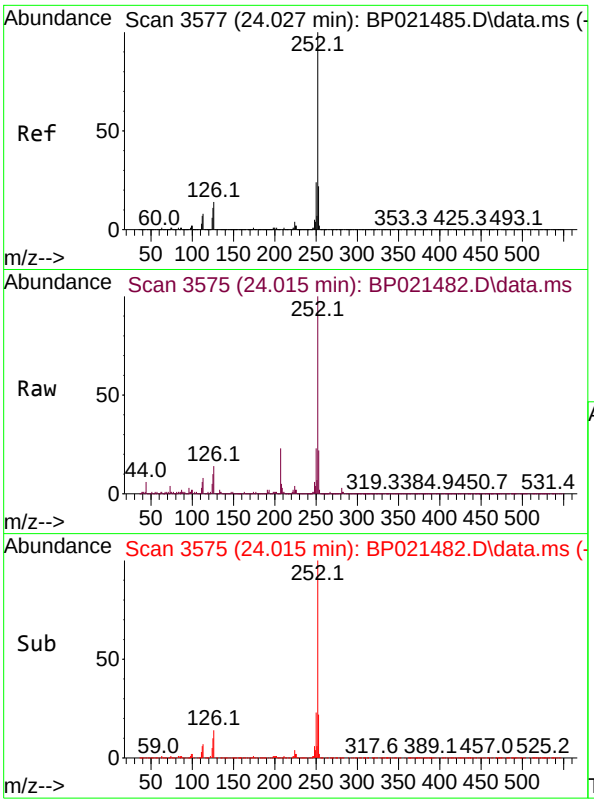


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.800 ng m
RT: 28.962 min Scan# 4416
Delta R.T. -0.030 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:276 Resp: 715393

Ion	Ratio	Lower	Upper
276	100		
138	15.3	12.8	19.2
277	19.6	16.5	24.7

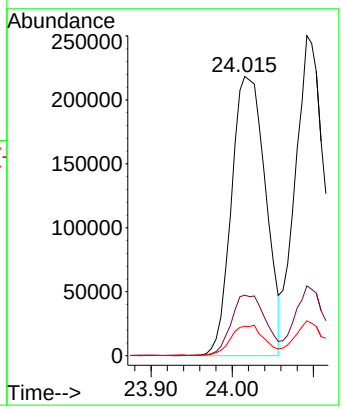




#88
Benzo(b)fluoranthene
Concen: 4.816 ng
RT: 24.015 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 63602

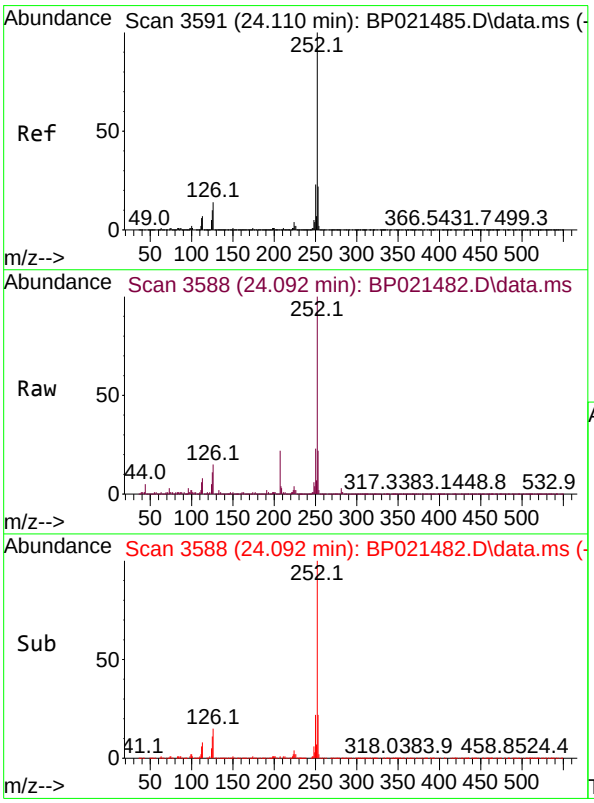
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	10.5	8.6	13.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

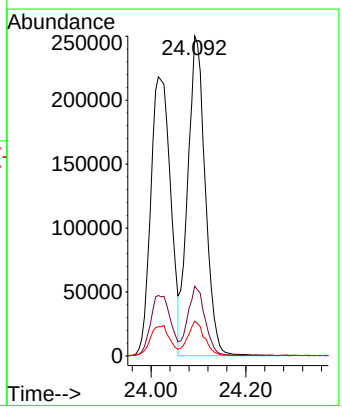
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

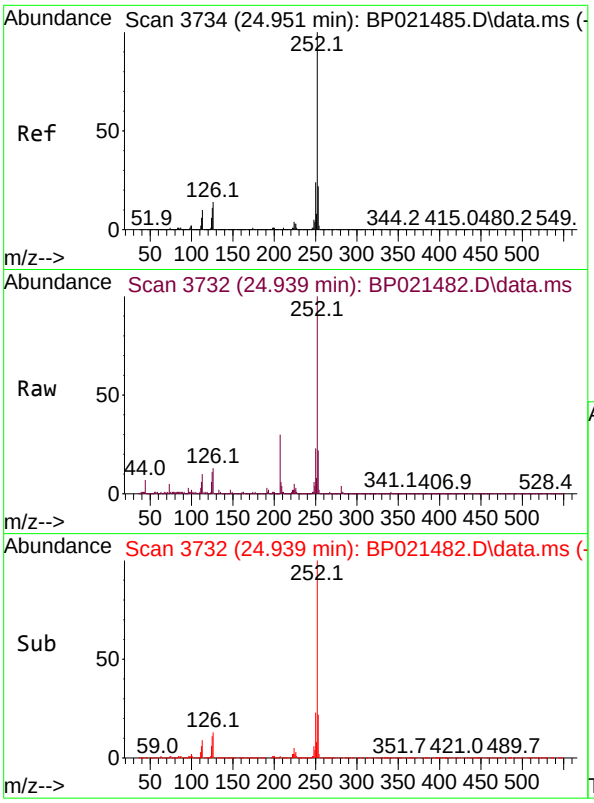


#89
Benzo(k)fluoranthene
Concen: 4.975 ng
RT: 24.092 min Scan# 3588
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 640982

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.9	7.8	11.8

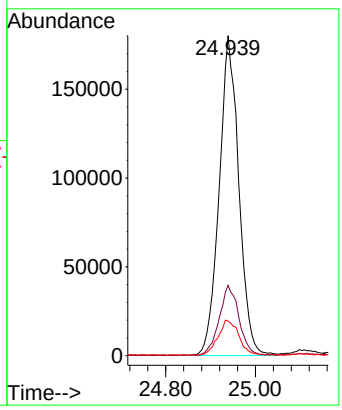




#90
Benzo(a)pyrene
Concen: 4.783 ng
RT: 24.939 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:252 Resp: 54814

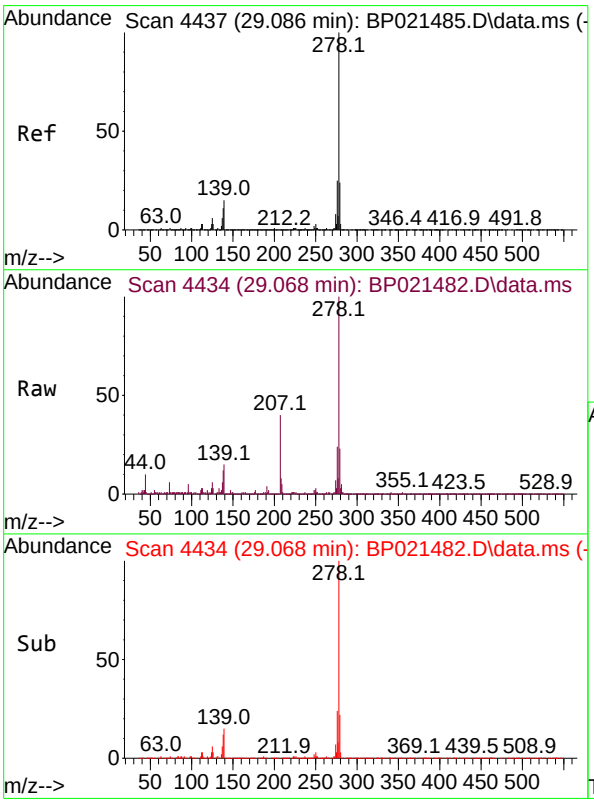
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.8	8.7	13.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

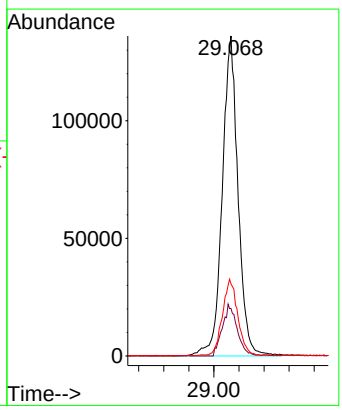
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

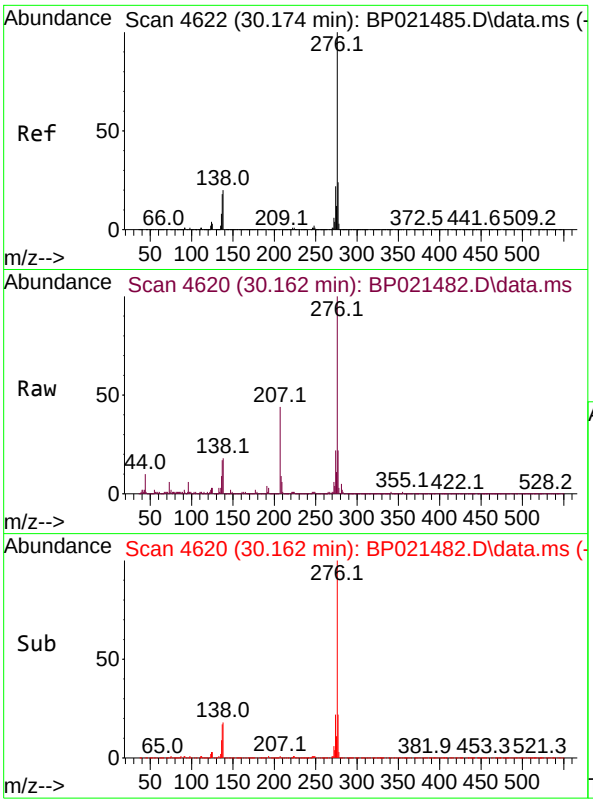


#91
Dibenzo(a,h)anthracene
Concen: 4.802 ng
RT: 29.068 min Scan# 4434
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:278 Resp: 594702

Ion	Ratio	Lower	Upper
278	100		
139	14.9	12.2	18.4
279	22.6	19.1	28.7

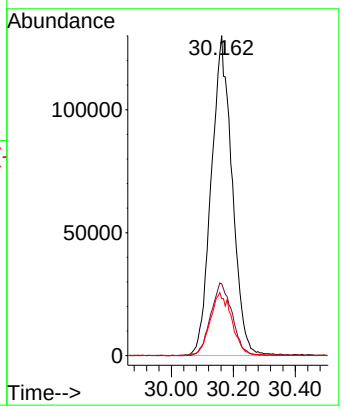




#92
Benzo(g,h,i)perylene
Concen: 4.872 ng
RT: 30.162 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Tgt Ion:276 Resp: 60477

Ion	Ratio	Lower	Upper
276	100		
277	22.4	19.0	28.6
138	17.8	16.0	24.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021483.D
Acq On : 13 Aug 2024 13:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 13 23:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	385438	20.000	ng		0.00
21) Naphthalene-d8	10.599	136	1772285	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	1303990	20.000	ng		0.00
64) Phenanthrene-d10	17.251	188	2799153	20.000	ng		0.00
76) Chrysene-d12	21.710	240	2268651	20.000	ng		0.01
86) Perylene-d12	25.110	264	2172035	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	495524	19.090	ng		0.00
7) Phenol-d6	6.958	99	755554	19.953	ng		0.00
23) Nitrobenzene-d5	8.952	82	600158	17.479	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	266074	18.334	ng		0.00
45) 2-Fluorobiphenyl	13.057	172	1713239	20.051	ng		0.00
79) Terphenyl-d14	19.963	244	2713318	23.235	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	118289	9.611	ng		97
3) Pyridine	3.705	79	331408	9.645	ng		98
4) n-Nitrosodimethylamine	3.617	42	101144	9.794	ng	#	99
6) Aniline	7.128	93	392151	10.359	ng		99
8) 2-Chlorophenol	7.369	128	235350	9.811	ng		97
9) Benzaldehyde	6.946	77	278892	11.503	ng		99
10) Phenol	6.987	94	389958	9.945	ng		99
11) bis(2-Chloroethyl)ether	7.228	93	346942	10.456	ng		99
12) 1,3-Dichlorobenzene	7.699	146	285122	10.006	ng		98
13) 1,4-Dichlorobenzene	7.840	146	291753	10.140	ng		99
14) 1,2-Dichlorobenzene	8.158	146	284225	10.251	ng		99
15) Benzyl Alcohol	8.034	79	280251	10.315	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.334	45	330688m	10.822	ng		
17) 2-Methylphenol	8.228	107	252971	10.205	ng		98
18) Hexachloroethane	8.893	117	113709	9.855	ng		99
19) n-Nitroso-di-n-propyla...	8.599	70	299730	11.459	ng		99
20) 3+4-Methylphenols	8.558	107	350826	10.496	ng		98
22) Acetophenone	8.616	105	550125	10.104	ng	#	98
24) Nitrobenzene	8.993	77	341460	9.156	ng		96
25) Isophorone	9.516	82	859297	10.593	ng		99
26) 2-Nitrophenol	9.705	139	55468	10.066	ng		94
27) 2,4-Dimethylphenol	9.757	122	199430	9.962	ng		98
28) bis(2-Chloroethoxy)met...	10.005	93	508512	10.270	ng		99
29) 2,4-Dichlorophenol	10.240	162	220504	9.322	ng		98
30) 1,2,4-Trichlorobenzene	10.457	180	293816	9.689	ng		96
31) Naphthalene	10.646	128	922302	9.962	ng		99
32) Benzoic acid	9.828	122	72405	10.529	ng		89
33) 4-Chloroaniline	10.740	127	357126	10.269	ng		98
34) Hexachlorobutadiene	10.946	225	188389	9.867	ng		99
35) Caprolactam	11.481	113	101824	10.344	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	332115	10.122	ng		98
37) 2-Methylnaphthalene	12.257	142	657592	10.407	ng		99
38) 1-Methylnaphthalene	12.475	142	651444	10.453	ng		99
40) 1,2,4,5-Tetrachloroben...	12.628	216	354329	9.274	ng		100
41) Hexachlorocyclopentadiene	12.622	237	99734	8.236	ng		96
43) 2,4,6-Trichlorophenol	12.863	196	185031	8.718	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021483.D
Acq On : 13 Aug 2024 13:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:50:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	206114	8.741	ng		99
46) 1,1'-Biphenyl	13.275	154	912835	9.894	ng		99
47) 2-Chloronaphthalene	13.310	162	700953	9.759	ng		99
48) 2-Nitroaniline	13.504	65	117865	10.374	ng		97
49) Acenaphthylene	14.169	152	1049611	9.941	ng		100
50) Dimethylphthalate	13.893	163	889818	10.190	ng		100
51) 2,6-Dinitrotoluene	14.004	165	122236	10.348	ng		90
52) Acenaphthene	14.516	154	690129	9.961	ng		100
53) 3-Nitroaniline	14.328	138	120754	10.365	ng	#	95
54) 2,4-Dinitrophenol	14.540	184	29452	10.721	ng	#	52
55) Dibenzofuran	14.851	168	1067432	10.016	ng		100
56) 4-Nitrophenol	14.628	139	91997	11.027	ng		92
57) 2,4-Dinitrotoluene	14.804	165	139246	10.586	ng		94
58) Fluorene	15.522	166	912792	10.425	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.075	232	181235	9.055	ng		99
60) Diethylphthalate	15.292	149	909304	10.148	ng		98
61) 4-Chlorophenyl-phenyle...	15.516	204	471863	10.426	ng		98
62) 4-Nitroaniline	15.516	138	129100	9.743	ng		87
63) Azobenzene	15.810	77	1159642	10.529	ng		99
65) 4,6-Dinitro-2-methylph...	15.581	198	44079	11.022	ng		91
66) n-Nitrosodiphenylamine	15.722	169	757847	10.103	ng		100
67) 4-Bromophenyl-phenylether	16.422	248	293464	9.906	ng		98
68) Hexachlorobenzene	16.545	284	347933	9.938	ng		96
69) Atrazine	16.698	200	260277	10.106	ng		99
70) Pentachlorophenol	16.892	266	150520	7.877	ng		99
71) Phenanthrene	17.298	178	1348415	10.017	ng		99
72) Anthracene	17.392	178	1336422	10.123	ng		99
73) Carbazole	17.657	167	1267960	9.966	ng		99
74) Di-n-butylphthalate	18.275	149	1490471	9.539	ng		99
75) Fluoranthene	19.375	202	1613504	9.769	ng		100
77) Benzidine	19.569	184	336598	9.509	ng		99
78) Pyrene	19.751	202	1667213	11.243	ng		99
80) Butylbenzylphthalate	20.704	149	414136	10.409	ng		96
81) Benzo(a)anthracene	21.680	228	1415007	9.936	ng		100
82) 3,3'-Dichlorobenzidine	21.598	252	405660	8.884	ng		99
83) Chrysene	21.751	228	1338613	9.955	ng		99
84) Bis(2-ethylhexyl)phtha...	21.639	149	720802	8.563	ng		100
85) Di-n-octyl phthalate	22.951	149	951183	10.621	ng		99
87) Indeno(1,2,3-cd)pyrene	28.974	276	1255326	8.917	ng		98
88) Benzo(b)fluoranthene	24.021	252	1250809	10.027	ng		99
89) Benzo(k)fluoranthene	24.092	252	1195420	9.824	ng		99
90) Benzo(a)pyrene	24.927	252	1035462	9.565	ng		99
91) Dibenzo(a,h)anthracene	29.051	278	1047693	8.956	ng		99
92) Benzo(g,h,i)perylene	30.168	276	1037272	8.847	ng		99

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

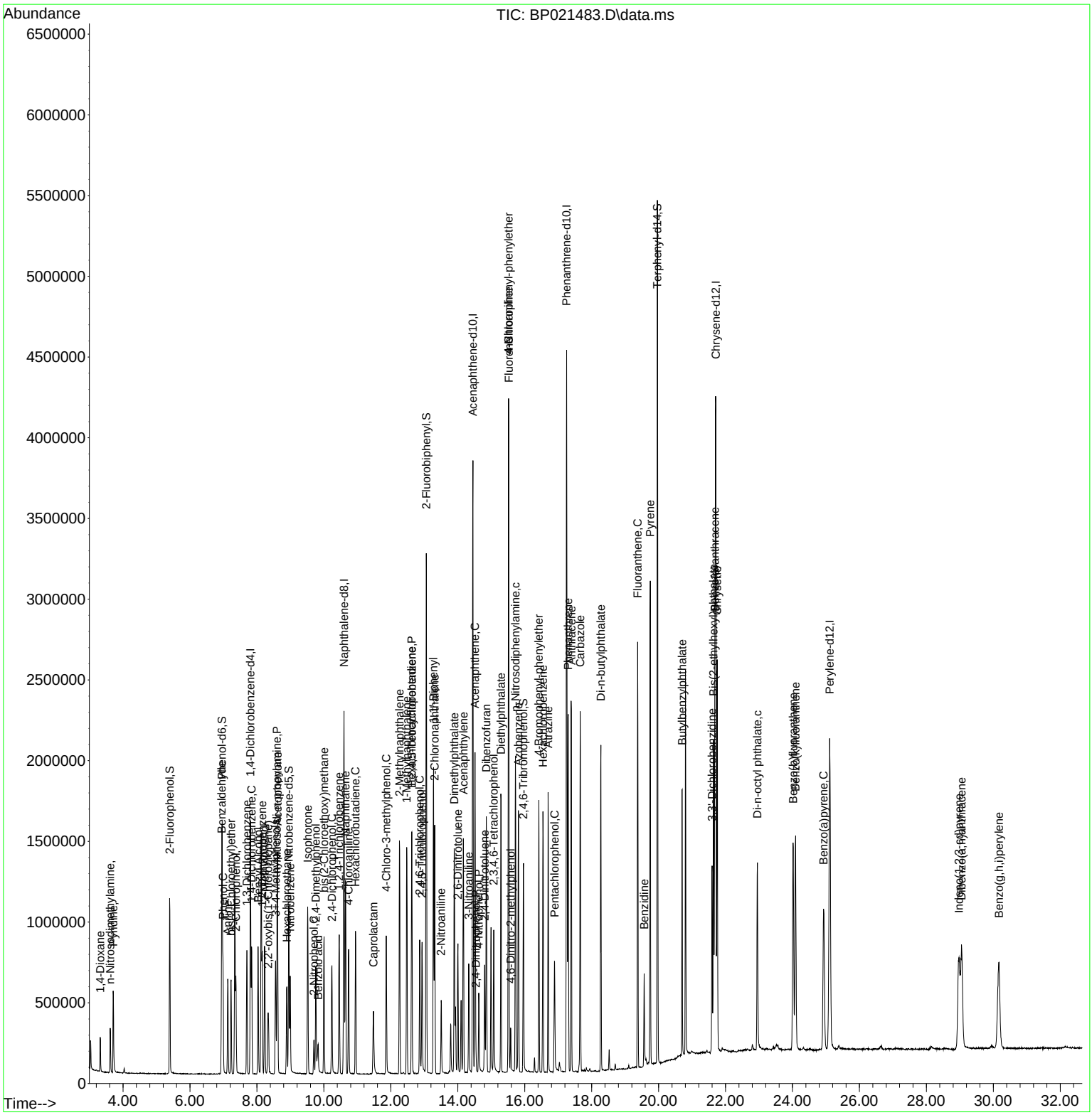
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Data File : BP021483.D
Acq On : 13 Aug 2024 13:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

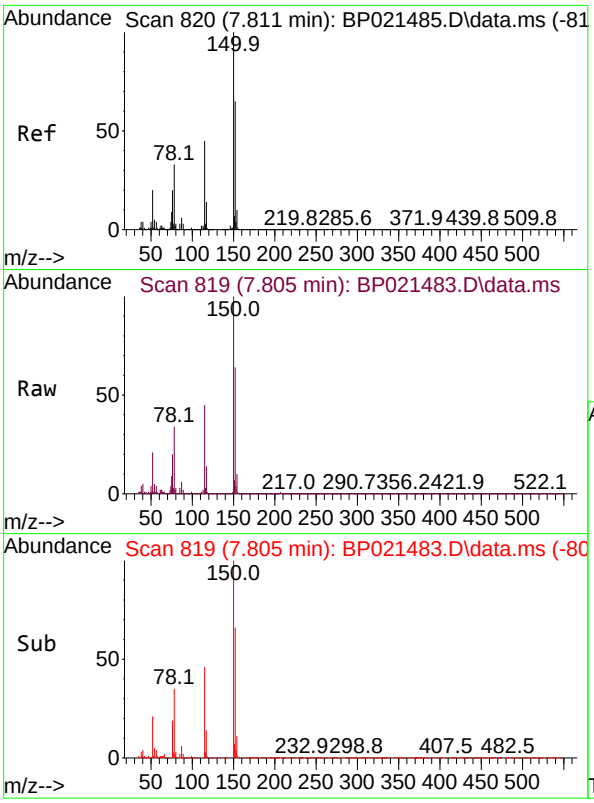
Quant Time: Aug 13 23:50:33 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

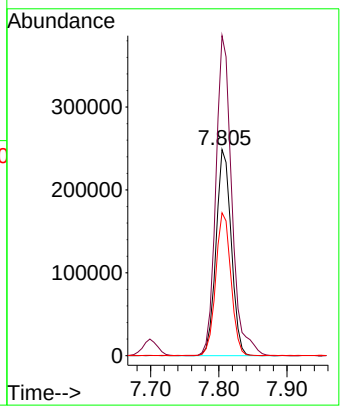




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:152 Resp: 38543

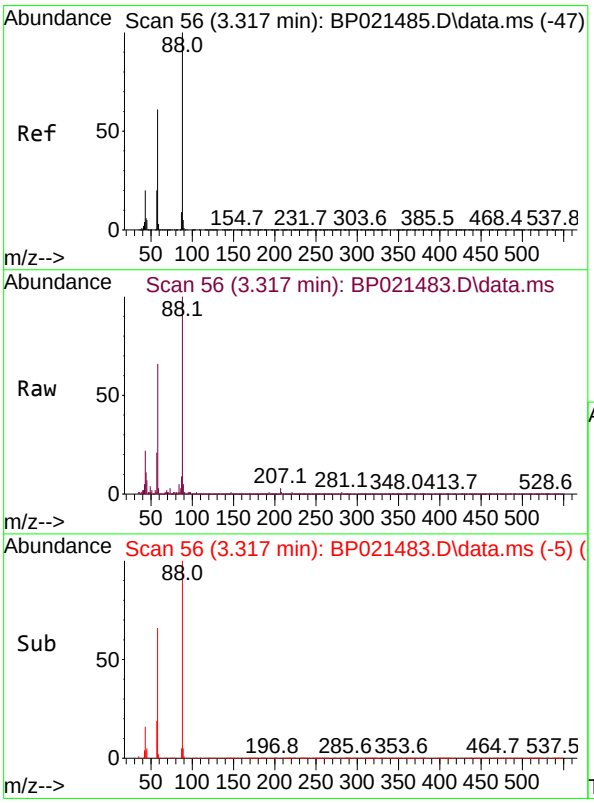
Ion	Ratio	Lower	Upper
152	100		
150	155.2	122.4	183.6
115	69.3	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

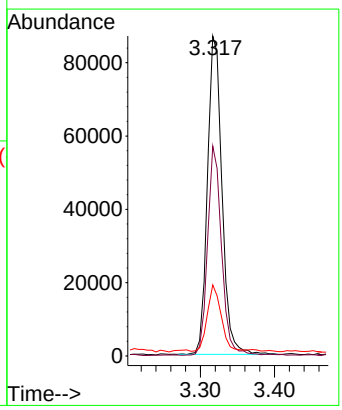
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

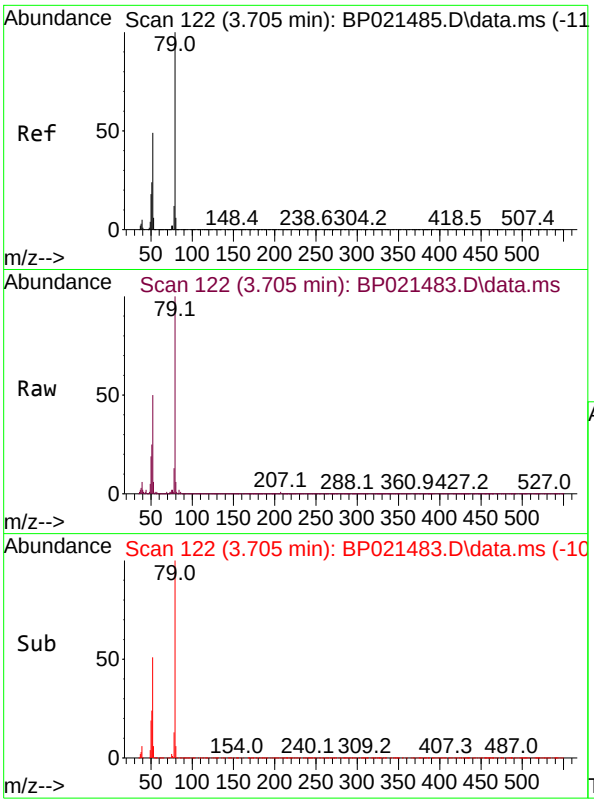


#2
1,4-Dioxane
Concen: 9.611 ng
RT: 3.317 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 88 Resp: 118289

Ion	Ratio	Lower	Upper
88	100		
58	63.3	48.7	73.1
43	19.9	15.4	23.2

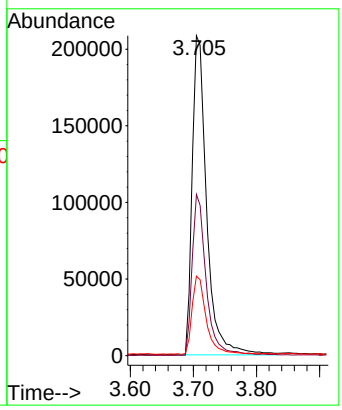




#3
Pyridine
Concen: 9.645 ng
RT: 3.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 79 Resp: 33140

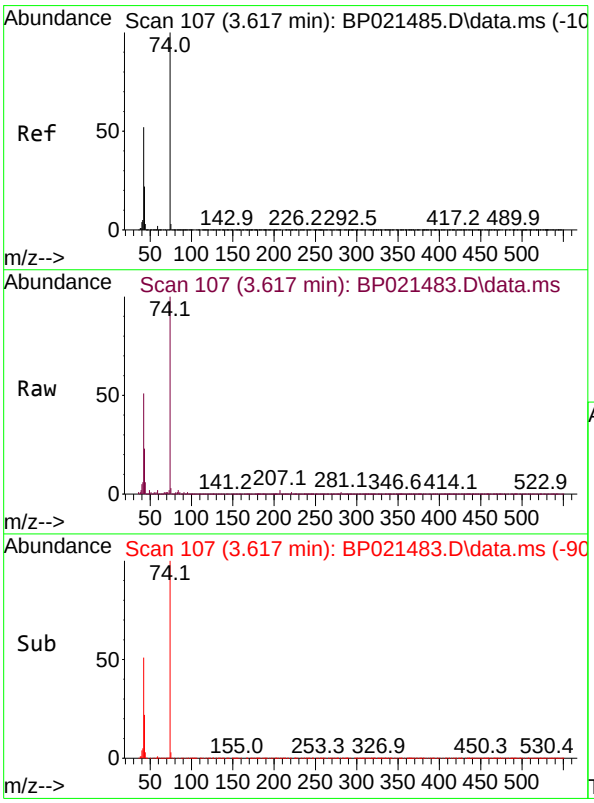
Ion	Ratio	Lower	Upper
79	100		
52	50.4	39.0	58.6
51	24.9	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

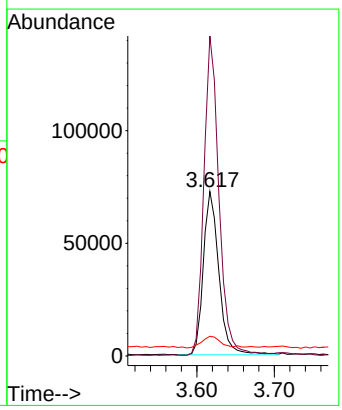
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

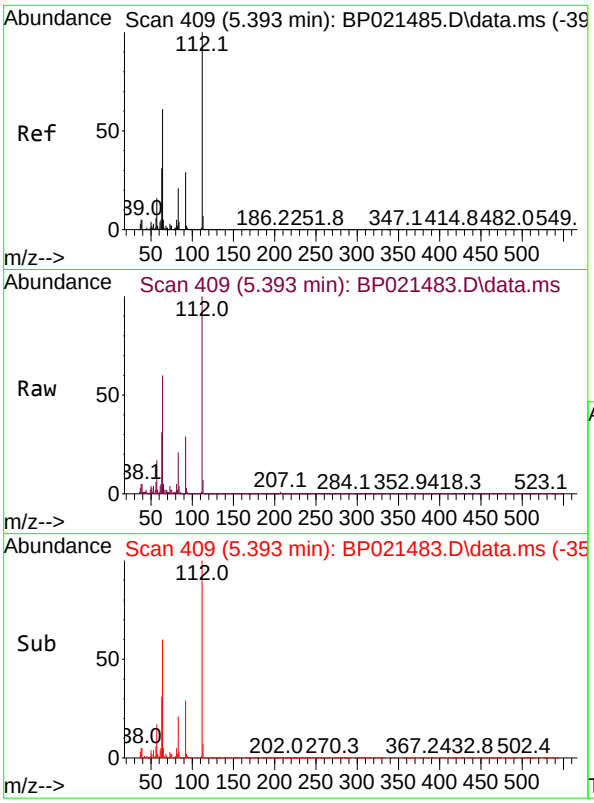


#4
n-Nitrosodimethylamine
Concen: 9.794 ng
RT: 3.617 min Scan# 107
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 42 Resp: 101144

Ion	Ratio	Lower	Upper
42	100		
74	194.5	154.3	231.5
44	12.0	6.2	9.4#

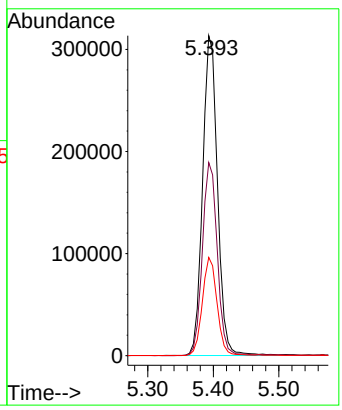




#5
2-Fluorophenol
Concen: 19.090 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:112 Resp: 49552

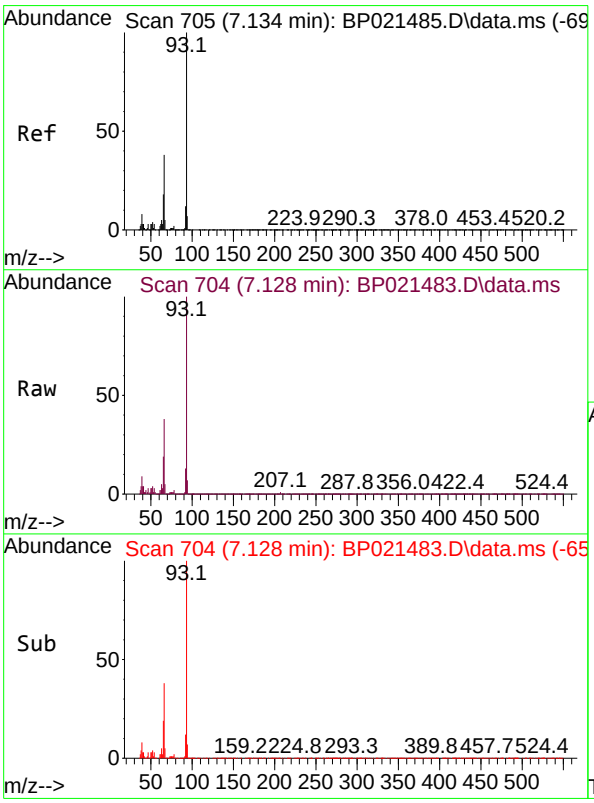
Ion	Ratio	Lower	Upper
112	100		
64	60.4	49.0	73.6
63	30.7	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

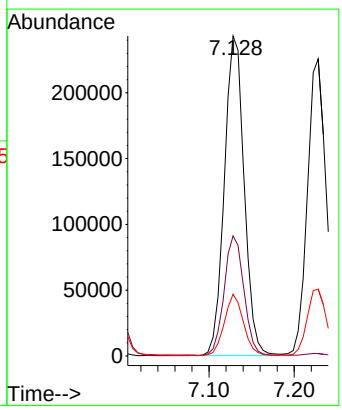
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

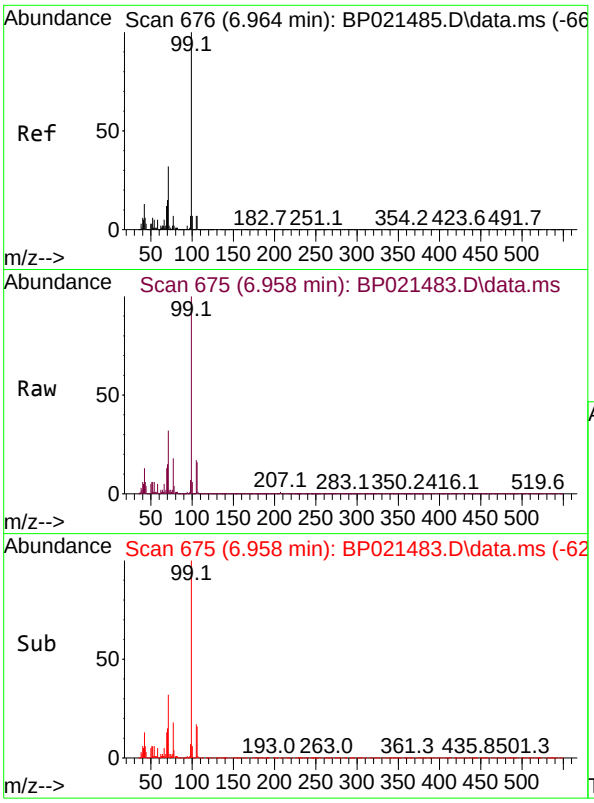


#6
Aniline
Concen: 10.359 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 93 Resp: 392151

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.2	45.2
65	19.3	14.7	22.1

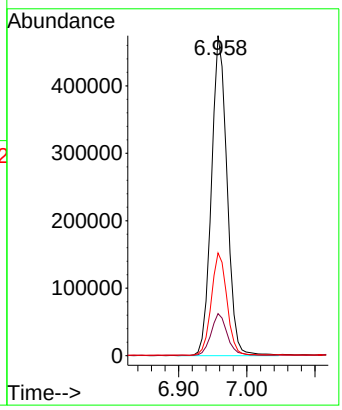




#7
Phenol-d6
Concen: 19.953 ng
RT: 6.958 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 99 Resp: 75555

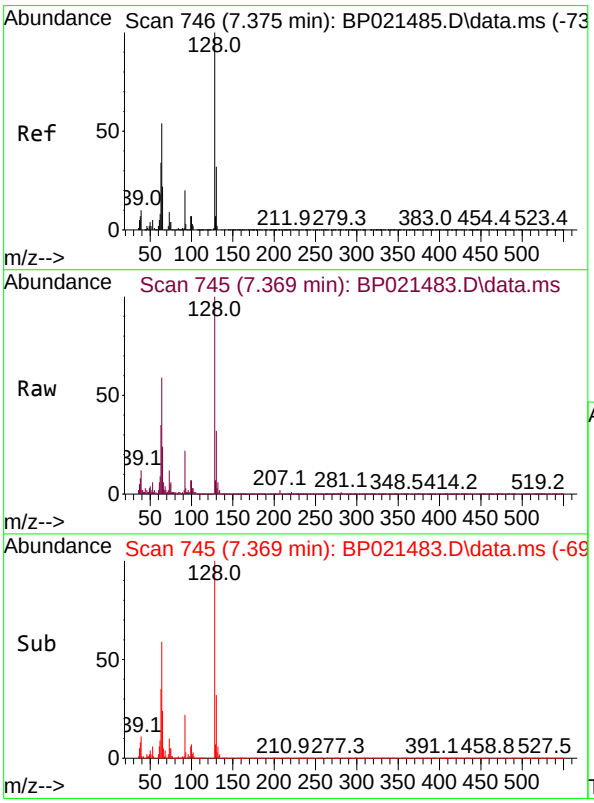
Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.2	15.4
71	32.1	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

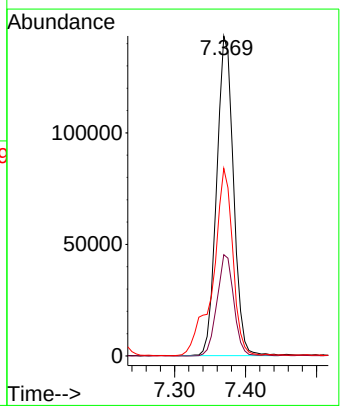
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

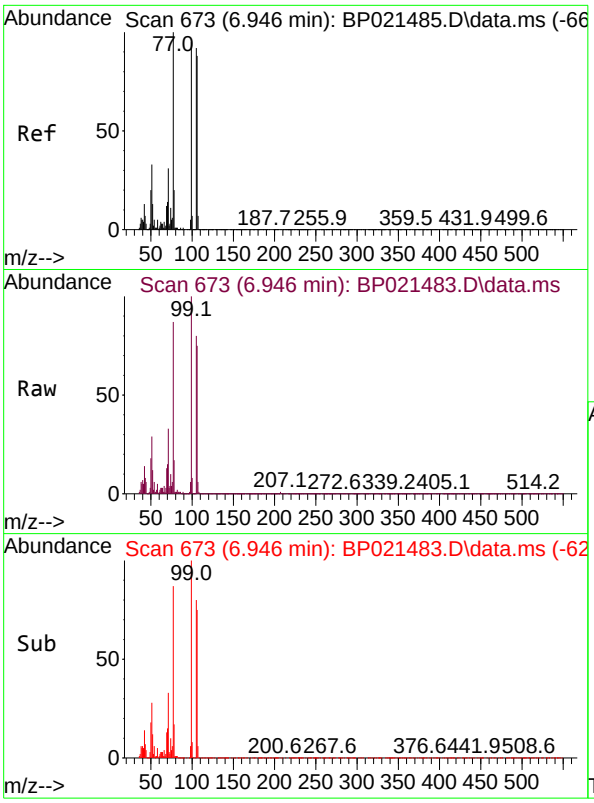


#8
2-Chlorophenol
Concen: 9.811 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:128 Resp: 235350

Ion	Ratio	Lower	Upper
128	100		
130	31.6	11.6	51.6
64	58.6	35.3	75.3

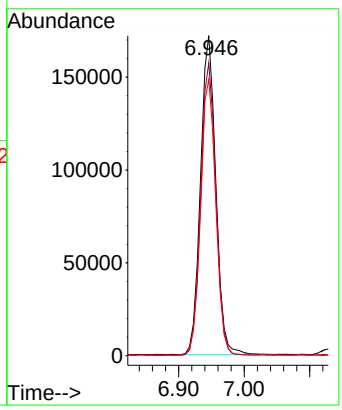




#9
Benzaldehyde
Concen: 11.503 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 77 Resp: 27889

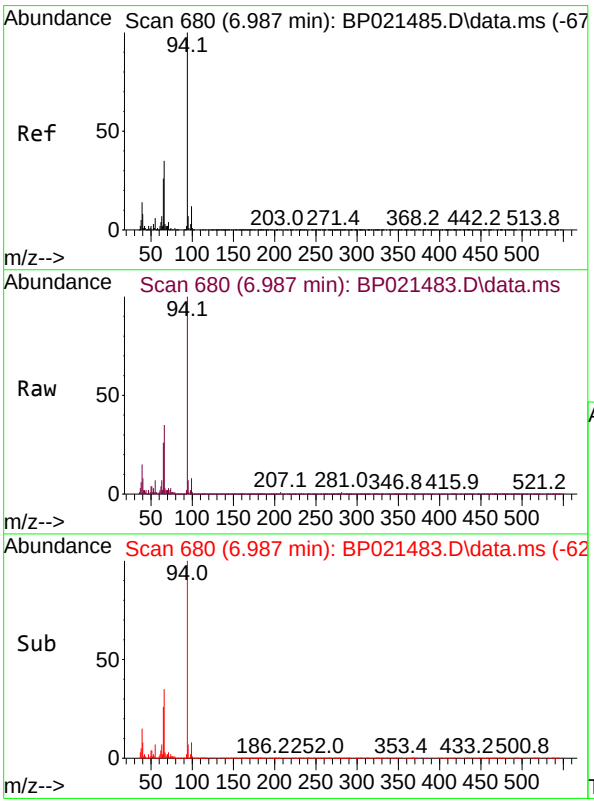
Ion	Ratio	Lower	Upper
77	100		
105	91.5	72.1	112.1
106	86.4	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

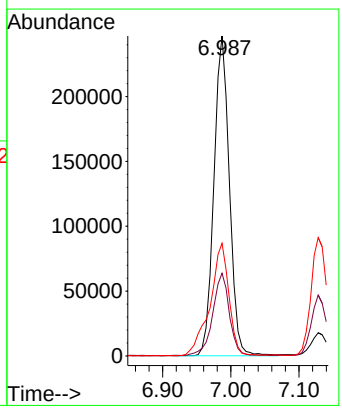
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

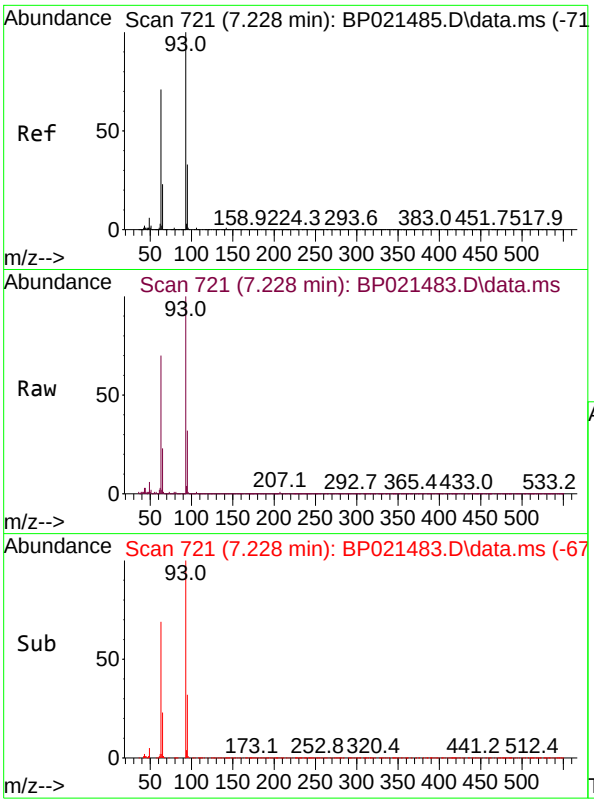


#10
Phenol
Concen: 9.945 ng
RT: 6.987 min Scan# 680
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 94 Resp: 389958

Ion	Ratio	Lower	Upper
94	100		
65	25.9	6.5	46.5
66	35.2	14.7	54.7

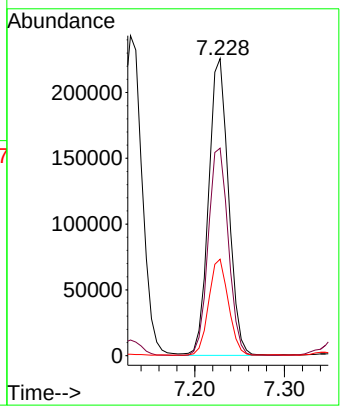




#11
bis(2-Chloroethyl)ether
Concen: 10.456 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 93 Resp: 34694

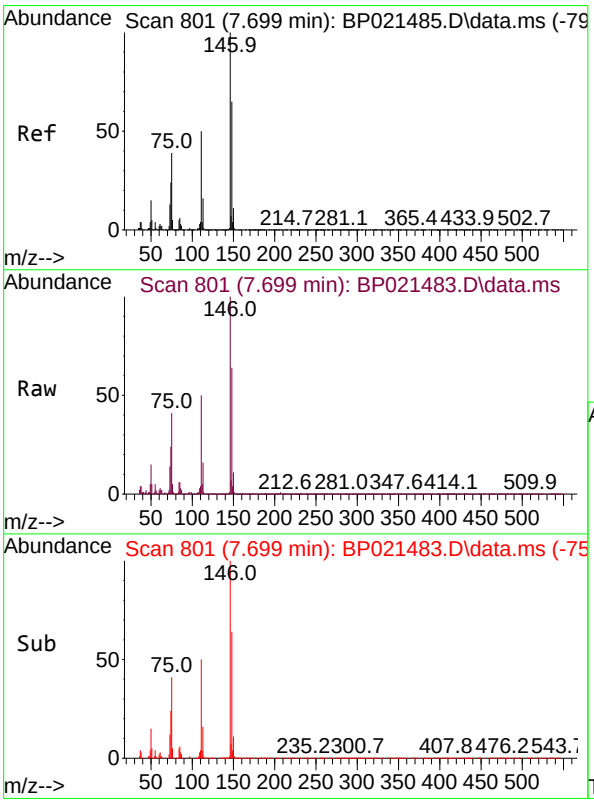
Ion	Ratio	Lower	Upper
93	100		
63	69.9	51.0	91.0
95	32.5	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

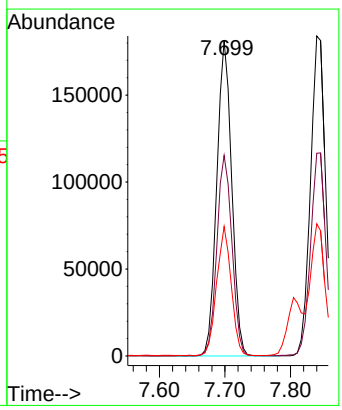
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

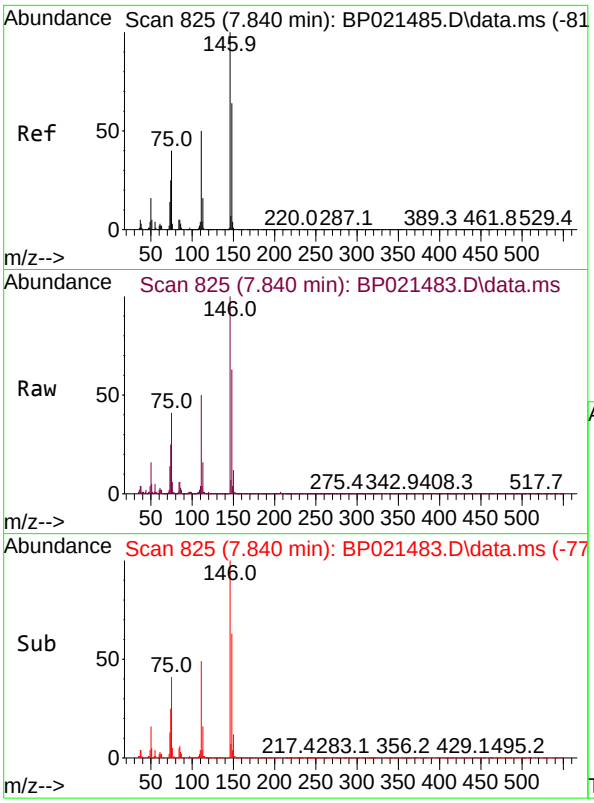


#12
1,3-Dichlorobenzene
Concen: 10.006 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:146 Resp: 285122

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.8	77.6
75	41.0	31.3	46.9

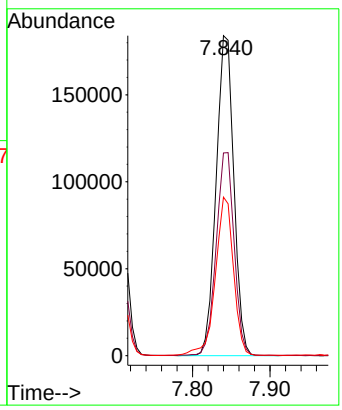




#13
1,4-Dichlorobenzene
Concen: 10.140 ng
RT: 7.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:146 Resp: 29175

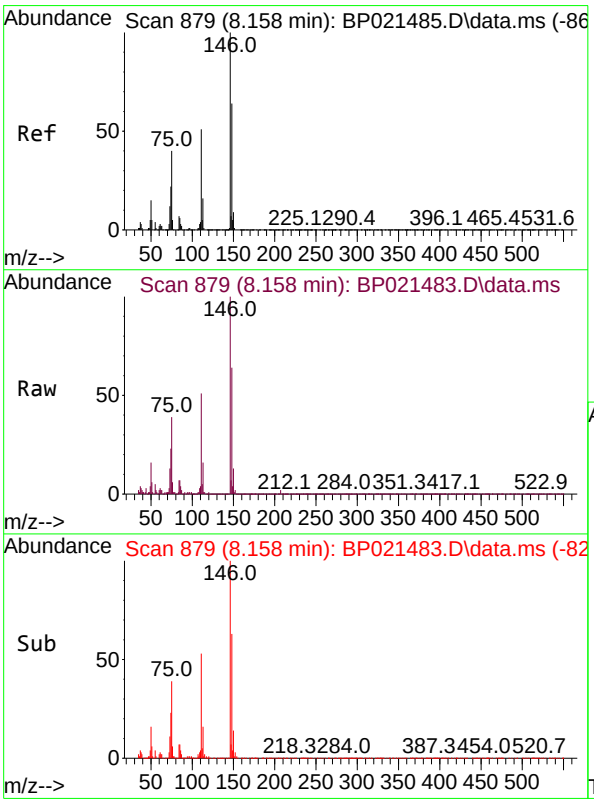
Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.5	77.3
111	49.6	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

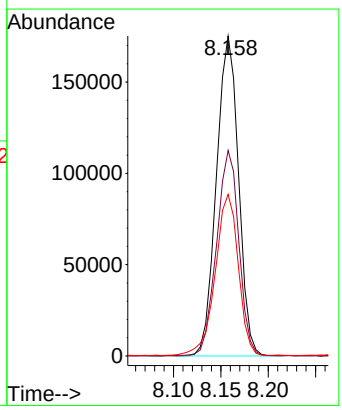
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

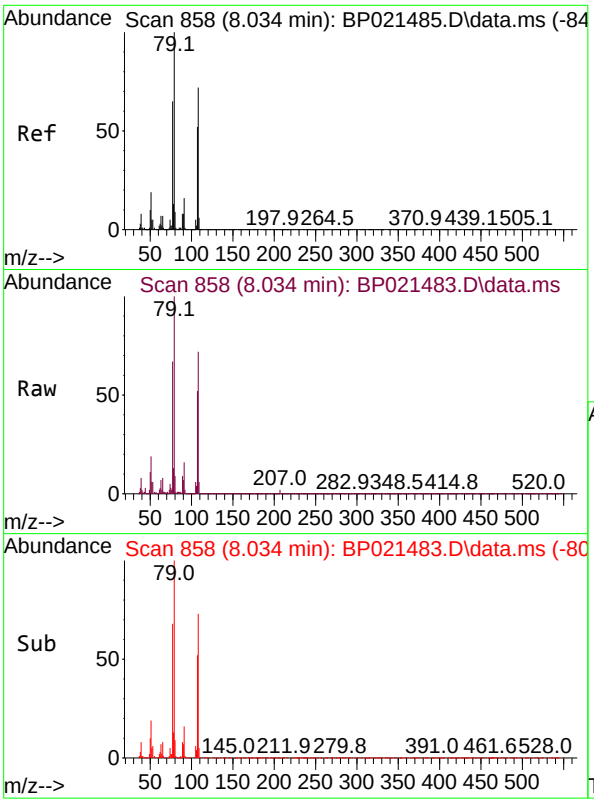


#14
1,2-Dichlorobenzene
Concen: 10.251 ng
RT: 8.158 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:146 Resp: 284225

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.5	77.3
111	50.5	41.1	61.7





#15
Benzyl Alcohol
Concen: 10.315 ng
RT: 8.034 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

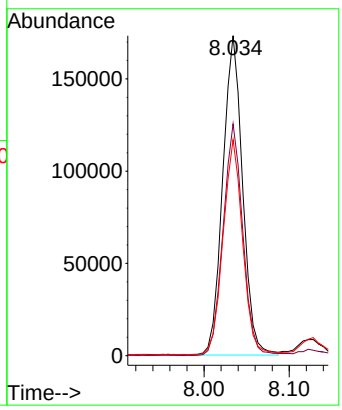
Tgt Ion: 79 Resp: 28025

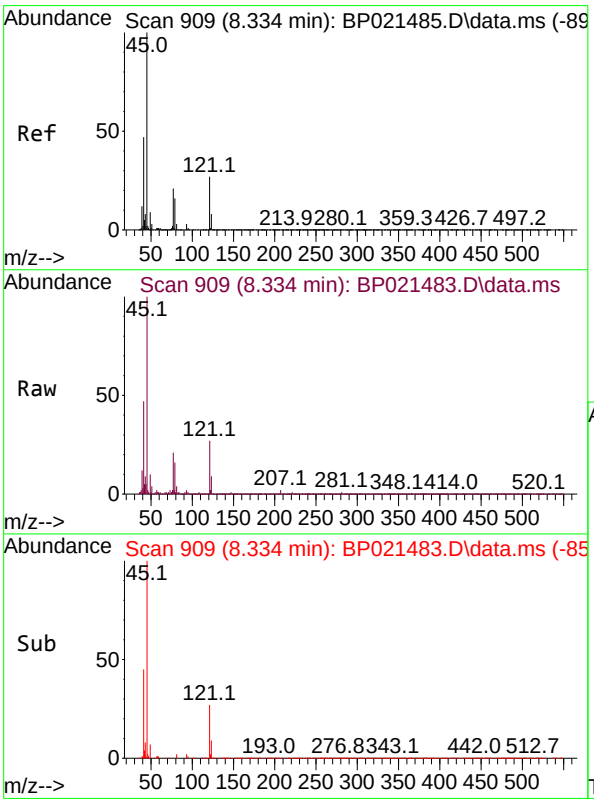
Ion	Ratio	Lower	Upper
79	100		
108	72.4	57.9	86.9
77	67.5	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

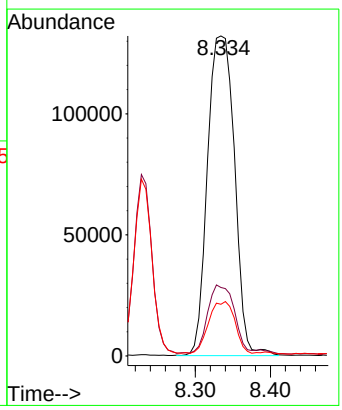


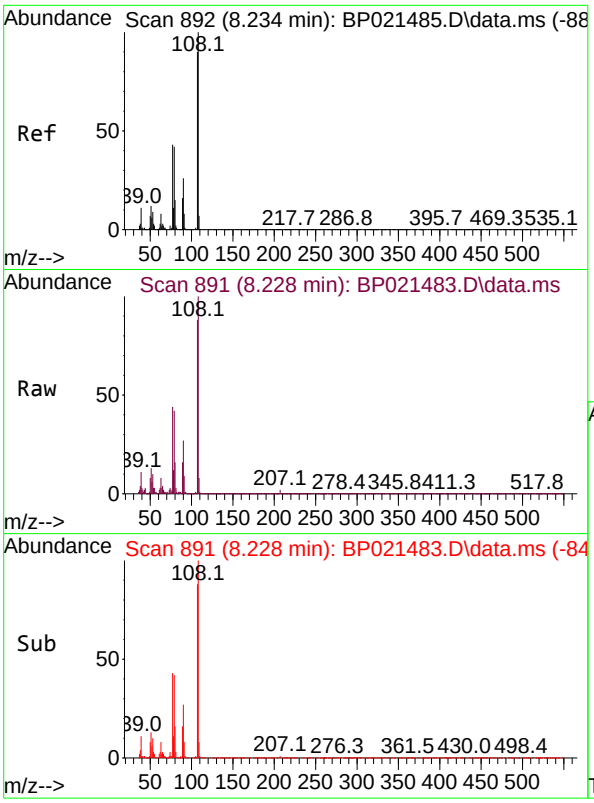


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.822 ng m
RT: 8.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 45 Resp: 330688

Ion	Ratio	Lower	Upper
45	100		
77	21.4	1.9	41.9
79	16.1	0.0	36.6

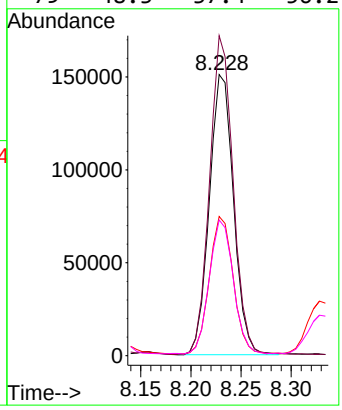




#17
2-Methylphenol
Concen: 10.205 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:107 Resp: 25297

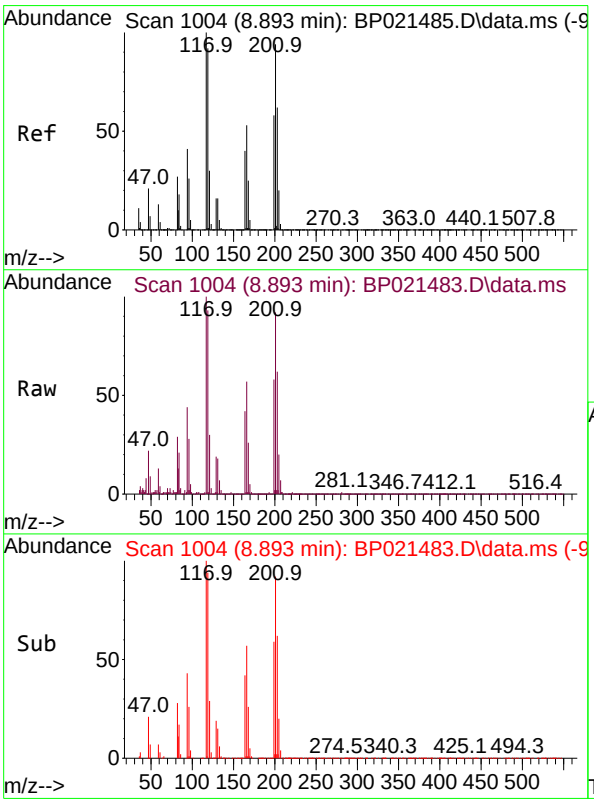
Ion	Ratio	Lower	Upper
107	100		
108	113.8	88.8	133.2
77	49.5	38.7	58.1
79	48.3	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

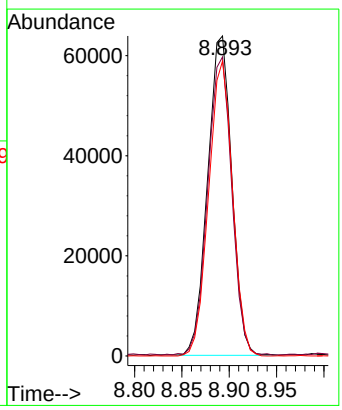
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

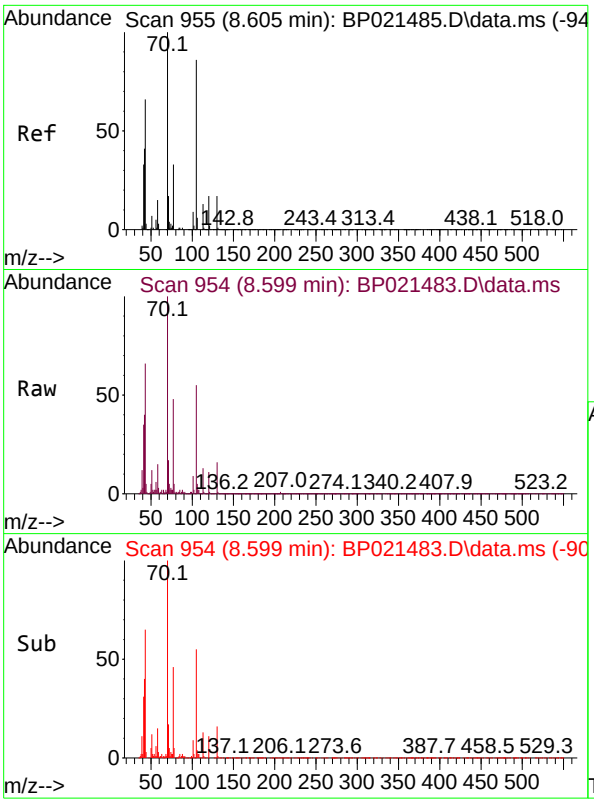


#18
Hexachloroethane
Concen: 9.855 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:117 Resp: 113709

Ion	Ratio	Lower	Upper
117	100		
119	93.5	73.9	110.9
201	92.1	74.9	112.3

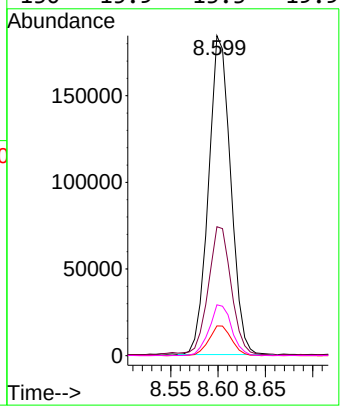




#19
n-Nitroso-di-n-propylamine
Concen: 11.459 ng
RT: 8.599 min Scan# 9
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 70 Resp: 29973

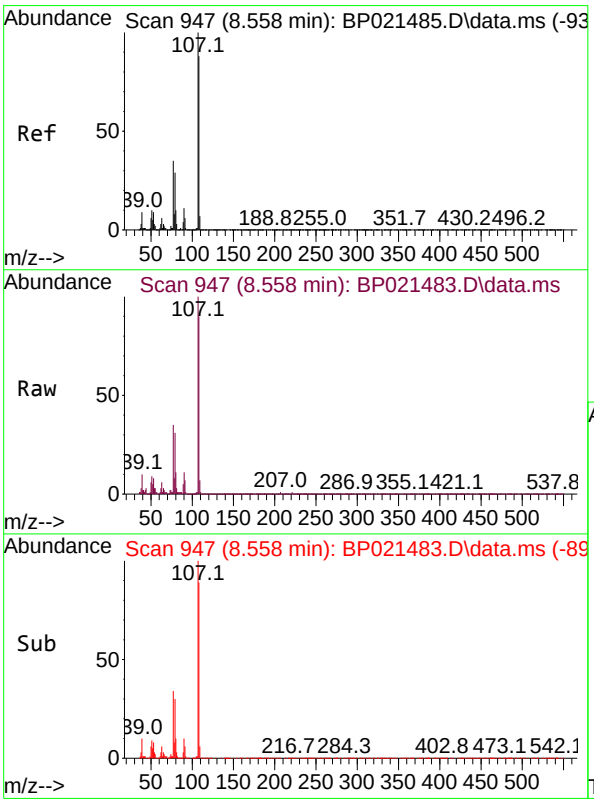
Ion	Ratio	Lower	Upper
70	100		
42	40.3	33.1	49.7
101	9.3	7.4	11.2
130	15.9	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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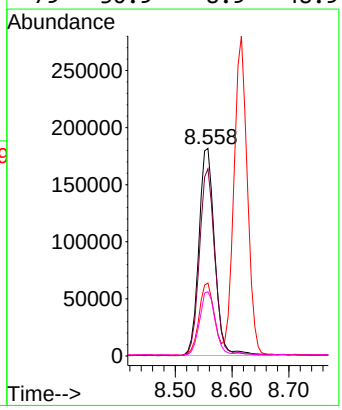
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

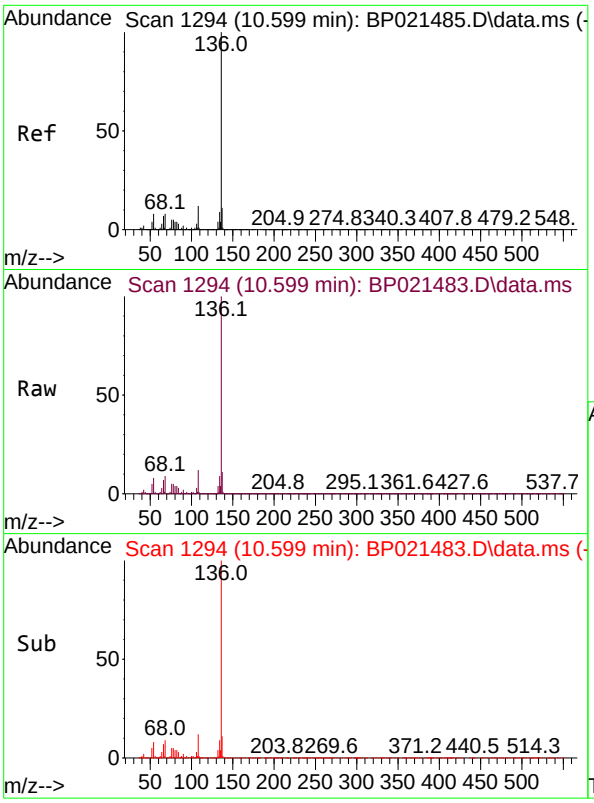


#20
3+4-Methylphenols
Concen: 10.496 ng
RT: 8.558 min Scan# 947
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:107 Resp: 350826

Ion	Ratio	Lower	Upper
107	100		
108	90.2	67.6	107.6
77	35.1	15.0	55.0
79	30.9	8.9	48.9

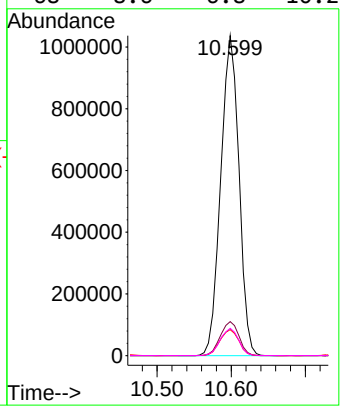




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:136 Resp: 177228

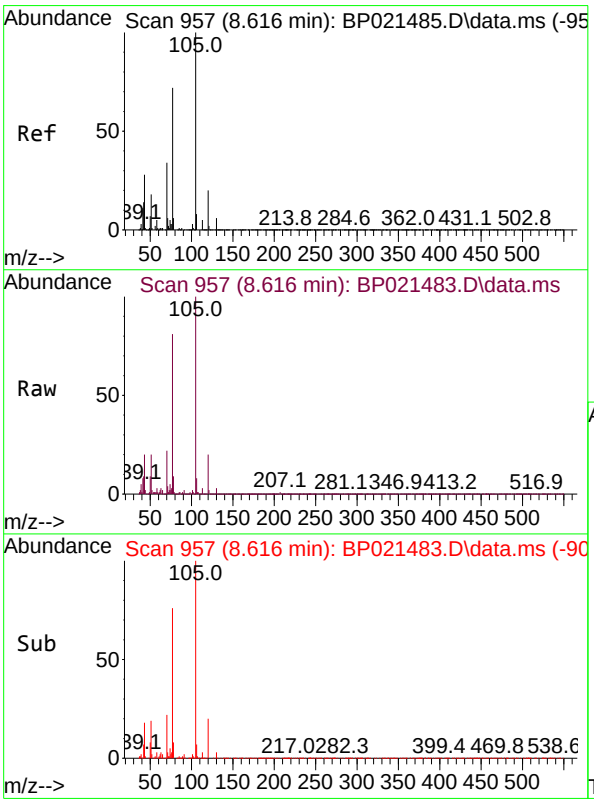
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.2	6.3	9.5
68	8.6	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

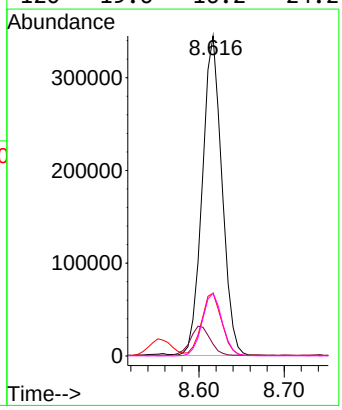
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

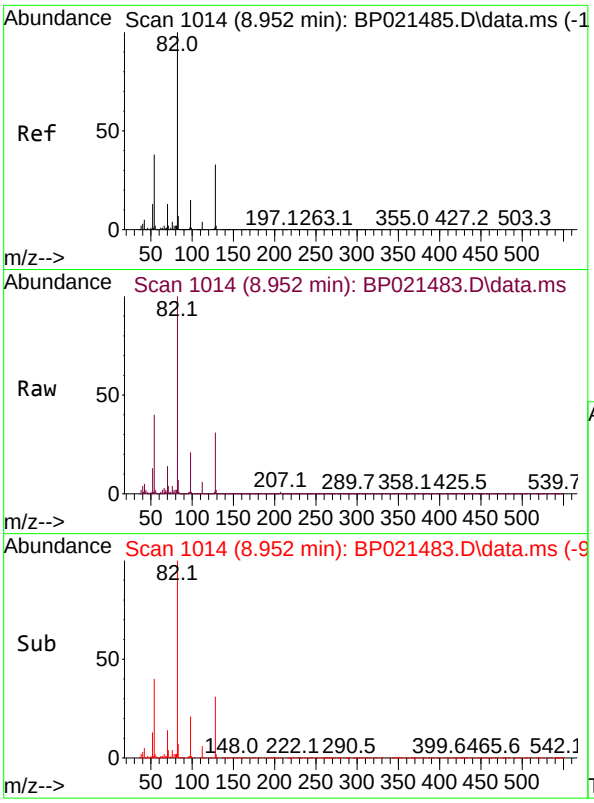


#22
Acetophenone
Concen: 10.104 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:105 Resp: 550125

Ion	Ratio	Lower	Upper
105	100		
71	3.7	4.6	7.0#
51	19.6	16.3	24.5
120	19.6	16.2	24.2

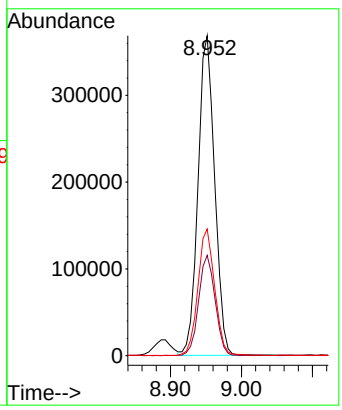




#23
Nitrobenzene-d5
Concen: 17.479 ng
RT: 8.952 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 82 Resp: 60015

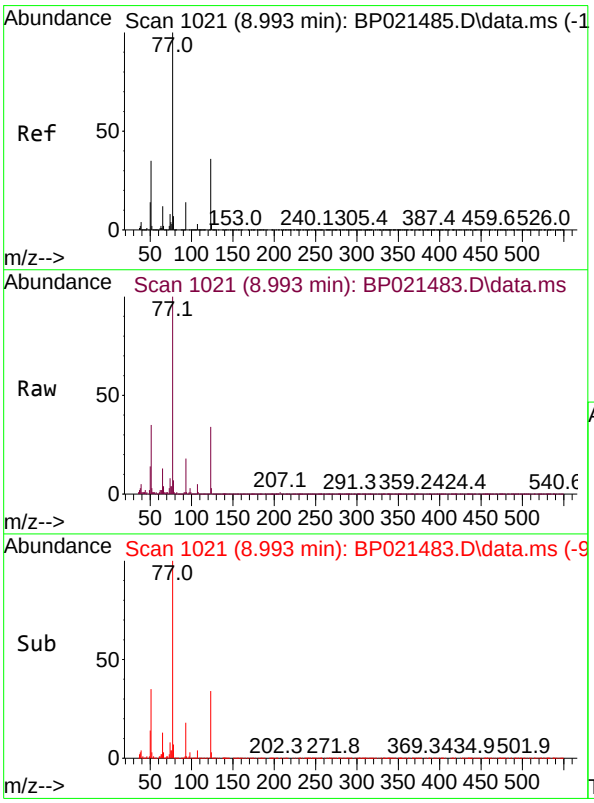
Ion	Ratio	Lower	Upper
82	100		
128	31.4	26.5	39.7
54	39.6	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

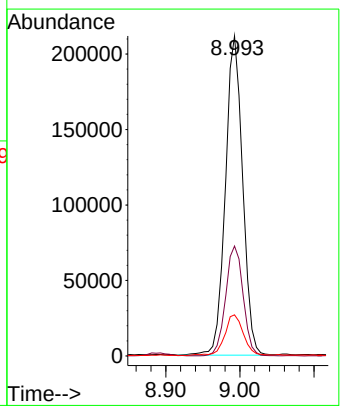
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

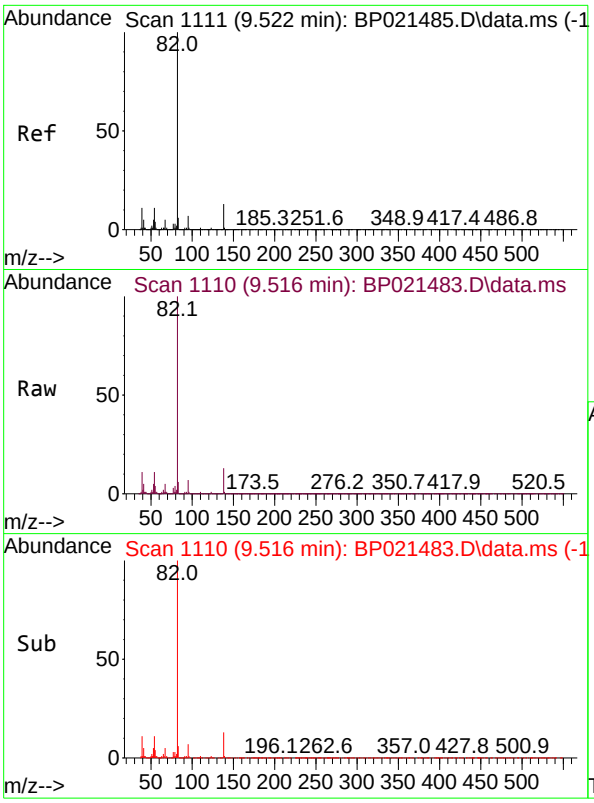


#24
Nitrobenzene
Concen: 9.156 ng
RT: 8.993 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 77 Resp: 341460

Ion	Ratio	Lower	Upper
77	100		
123	34.3	29.5	44.3
65	12.9	9.9	14.9

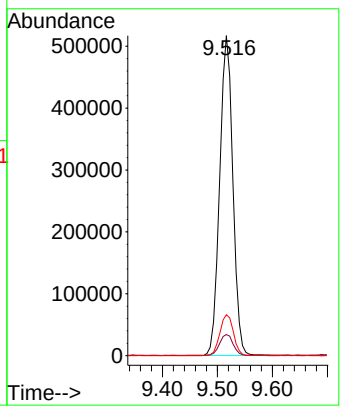




#25
Isophorone
Concen: 10.593 ng
RT: 9.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 82 Resp: 85929

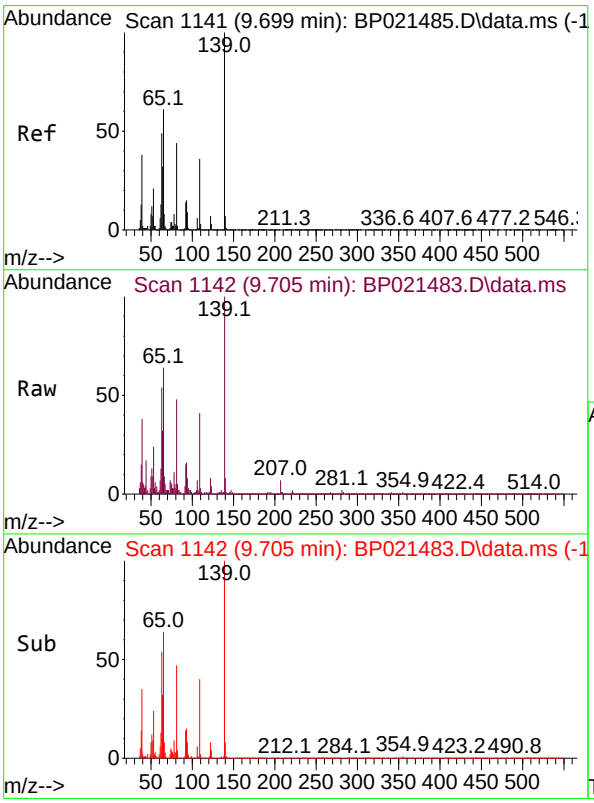
Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	12.8	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

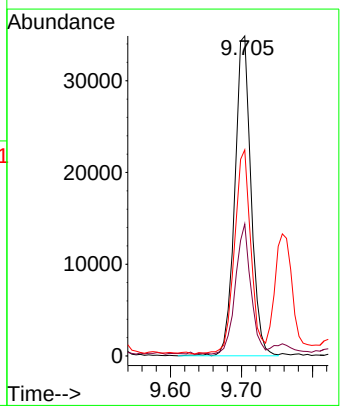
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

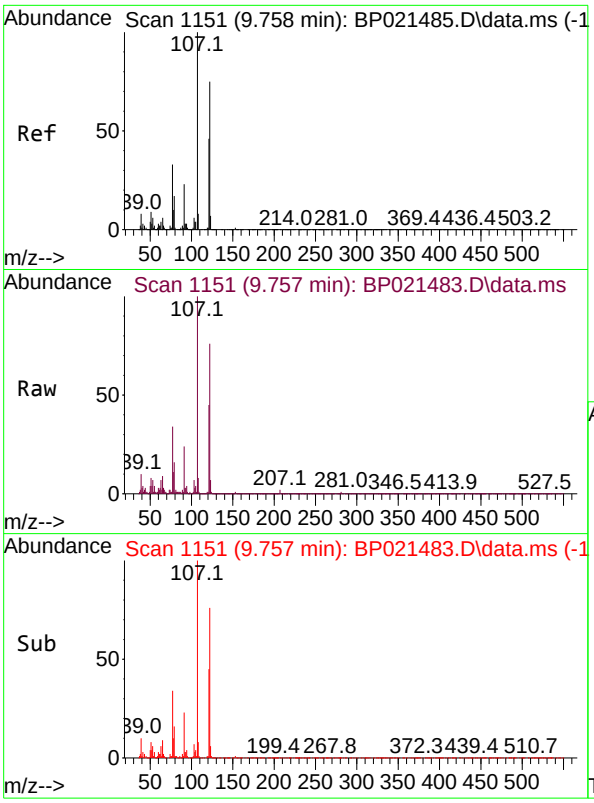


#26
2-Nitrophenol
Concen: 10.066 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:139 Resp: 55468

Ion	Ratio	Lower	Upper
139	100		
109	41.2	28.9	43.3
65	64.4	49.0	73.6





#27
2,4-Dimethylphenol
Concen: 9.962 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

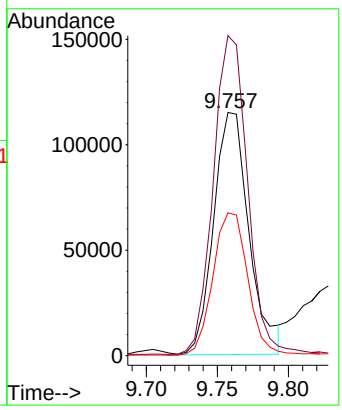
Tgt Ion:122 Resp: 19943

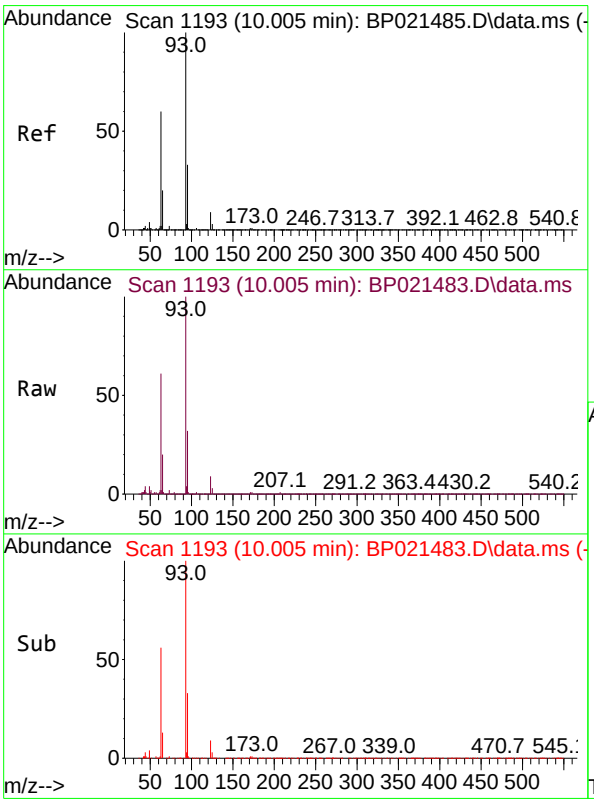
Ion	Ratio	Lower	Upper
122	100		
107	131.6	106.2	159.4
121	58.8	48.8	73.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

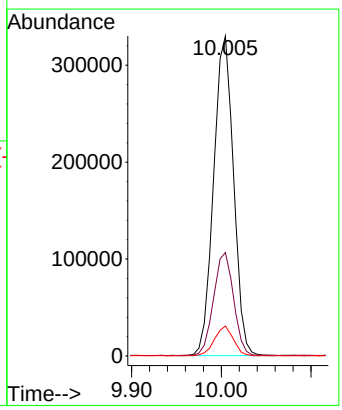


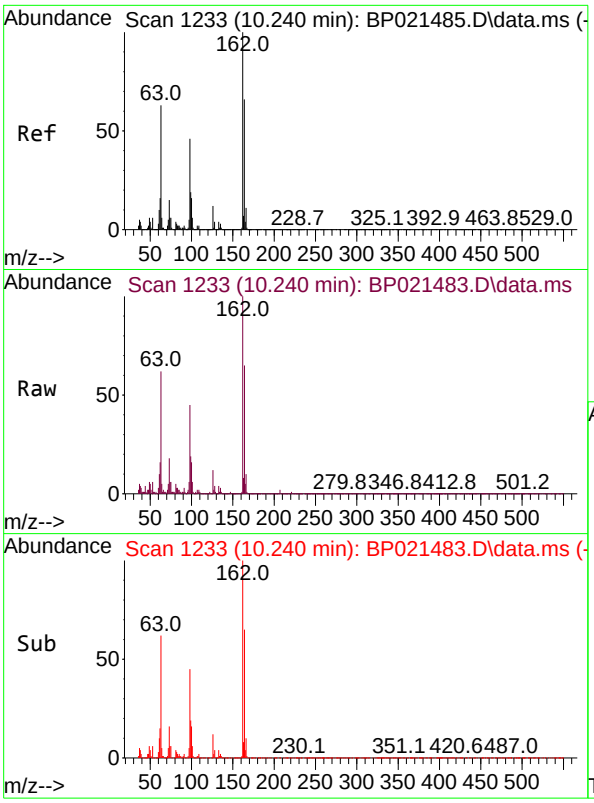


#28
bis(2-Chloroethoxy)methane
Concen: 10.270 ng
RT: 10.005 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 93 Resp: 508512

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.4
123	9.4	7.6	11.4

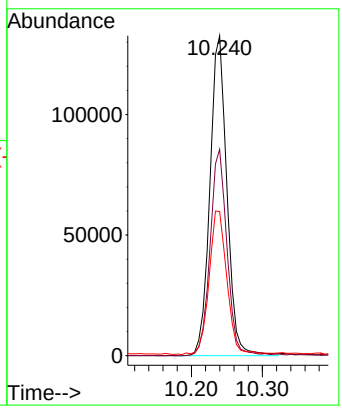




#29
2,4-Dichlorophenol
Concen: 9.322 ng
RT: 10.240 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:162 Resp: 22050

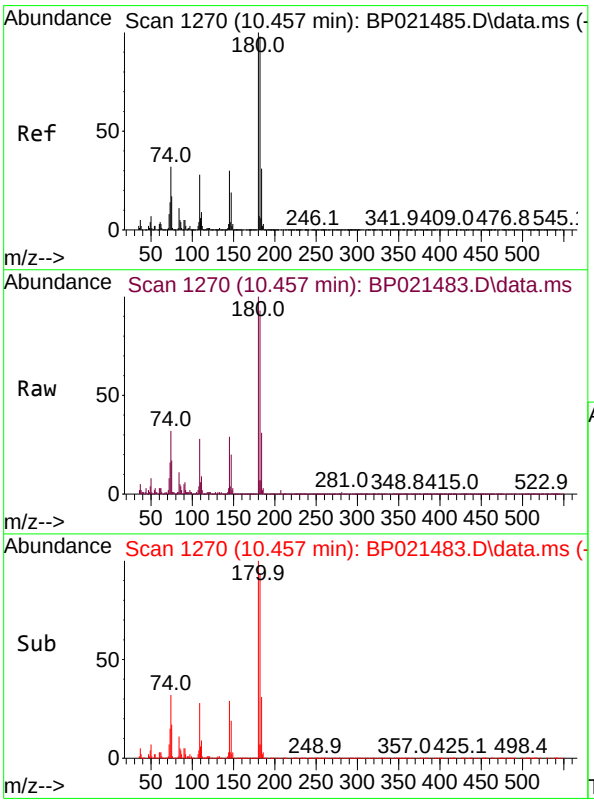
Ion	Ratio	Lower	Upper
162	100		
164	64.5	45.9	85.9
98	45.0	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

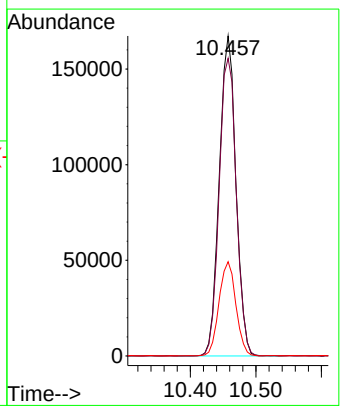
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

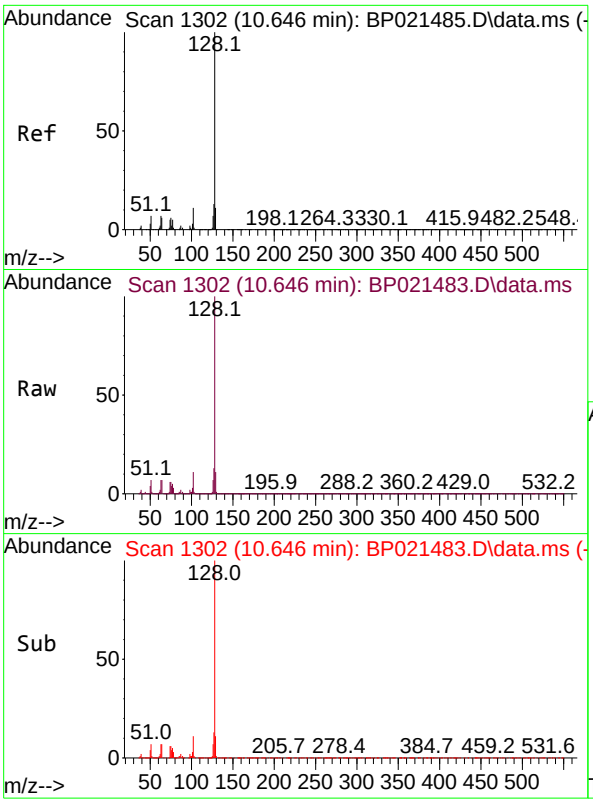


#30
1,2,4-Trichlorobenzene
Concen: 9.689 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:180 Resp: 293816

Ion	Ratio	Lower	Upper
180	100		
182	93.0	78.3	117.5
145	29.5	24.0	36.0

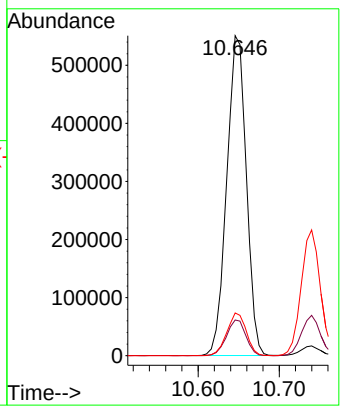




#31
Naphthalene
Concen: 9.962 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:128 Resp: 92230

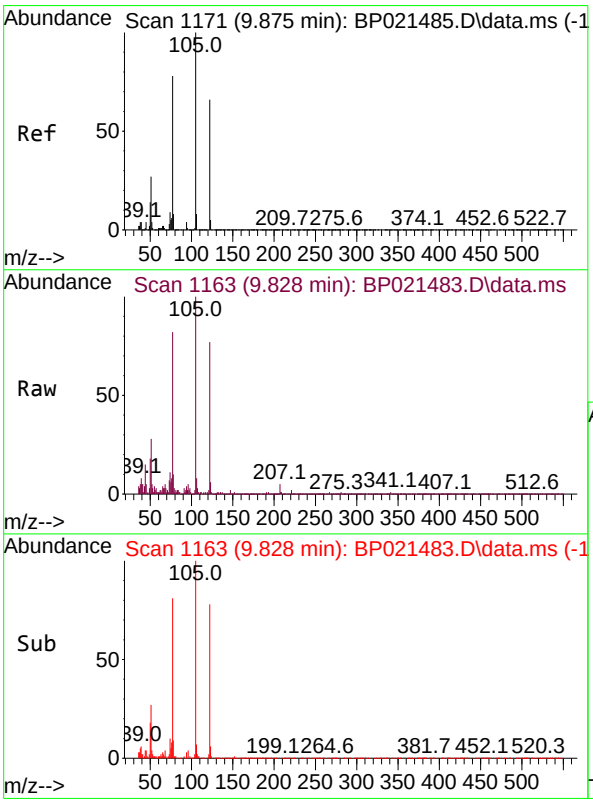
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.4	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

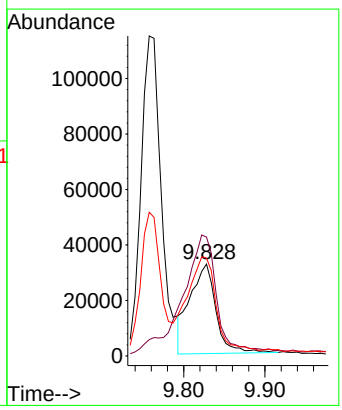
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

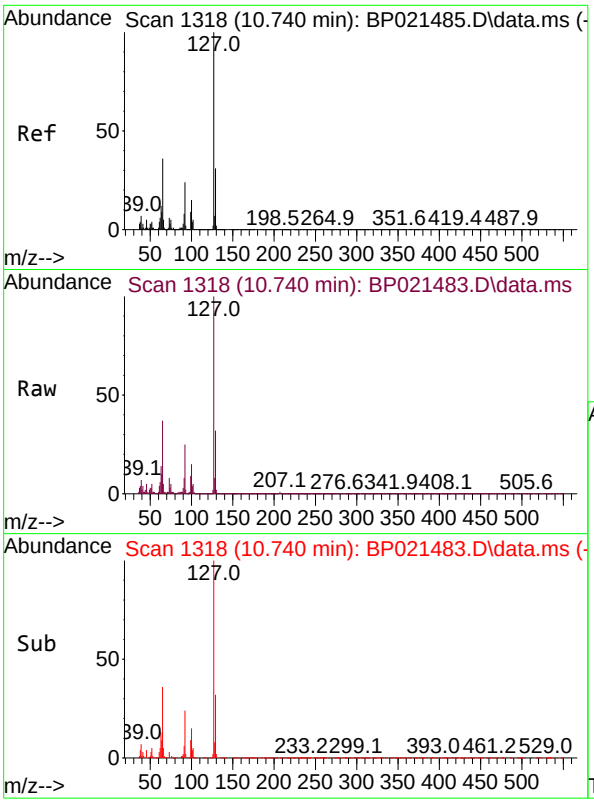


#32
Benzoic acid
Concen: 10.529 ng
RT: 9.828 min Scan# 1163
Delta R.T. -0.047 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:122 Resp: 72405

Ion	Ratio	Lower	Upper
122	100		
105	129.6	124.6	164.6
77	106.7	96.2	136.2

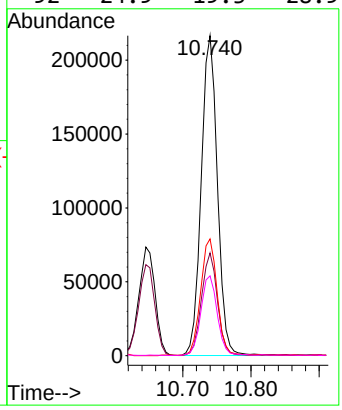




#33
4-Chloroaniline
Concen: 10.269 ng
RT: 10.740 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:127 Resp: 35712

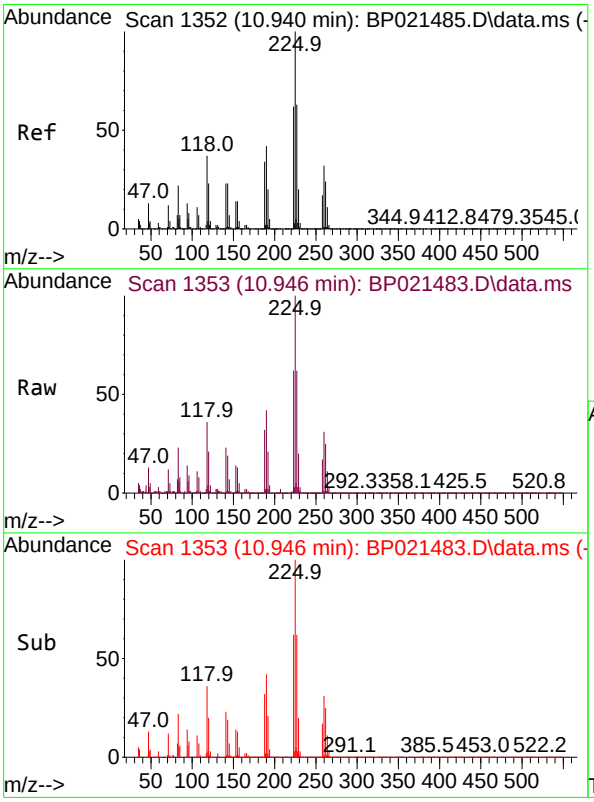
Ion	Ratio	Lower	Upper
127	100		
129	32.1	24.5	36.7
65	36.5	28.9	43.3
92	24.9	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

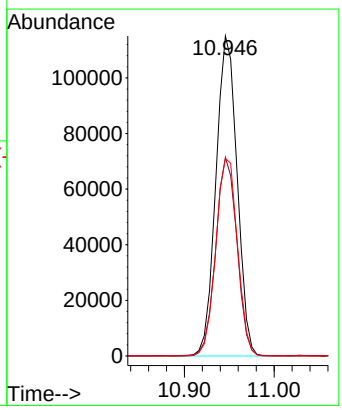
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

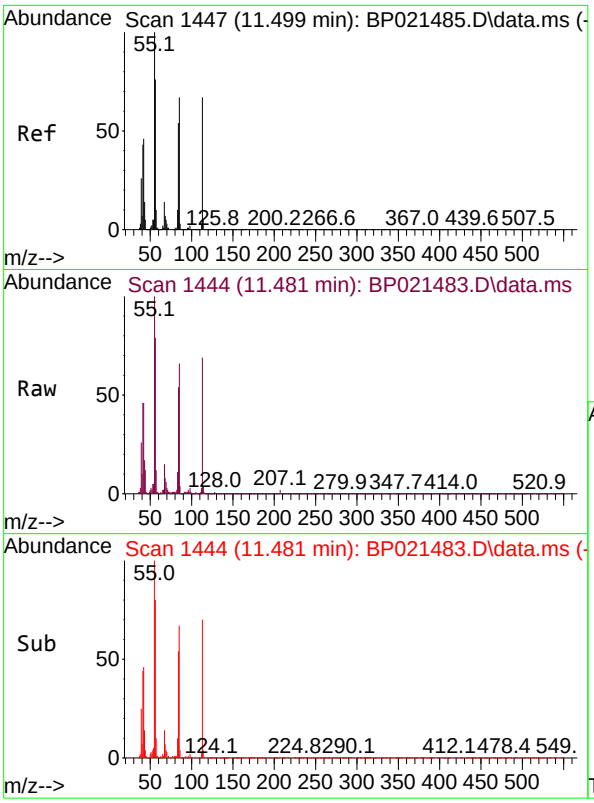


#34
Hexachlorobutadiene
Concen: 9.867 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:225 Resp: 188389

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.6	74.4
227	61.7	50.1	75.1

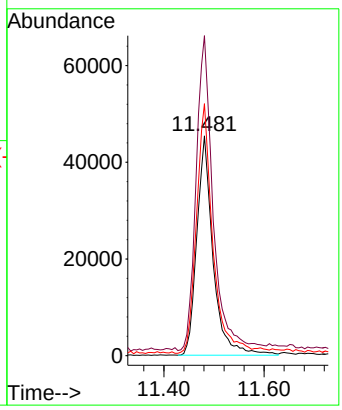




#35
Caprolactam
Concen: 10.344 ng
RT: 11.481 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:113 Resp: 10182

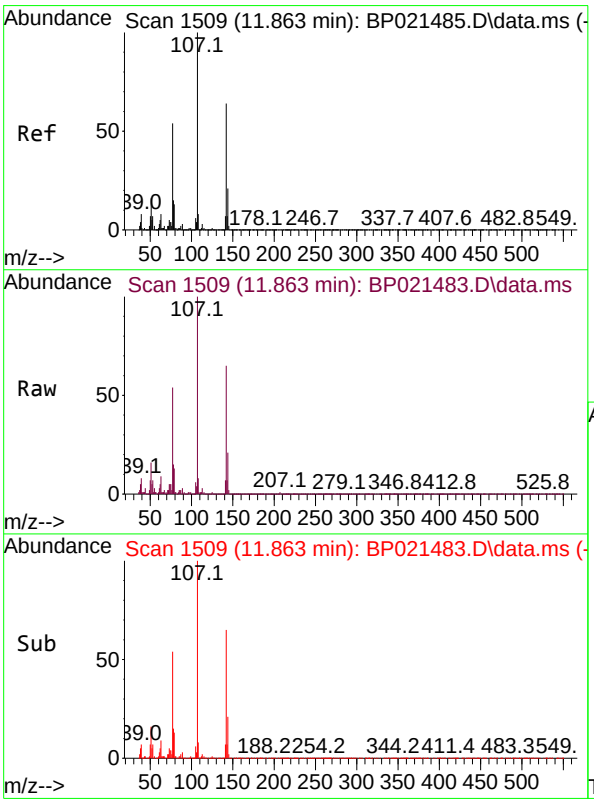
Ion	Ratio	Lower	Upper
113	100		
55	145.6	130.6	170.6
56	114.6	94.6	134.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

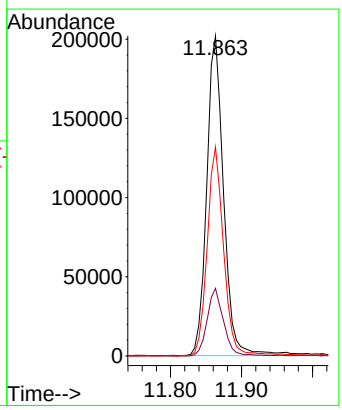
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

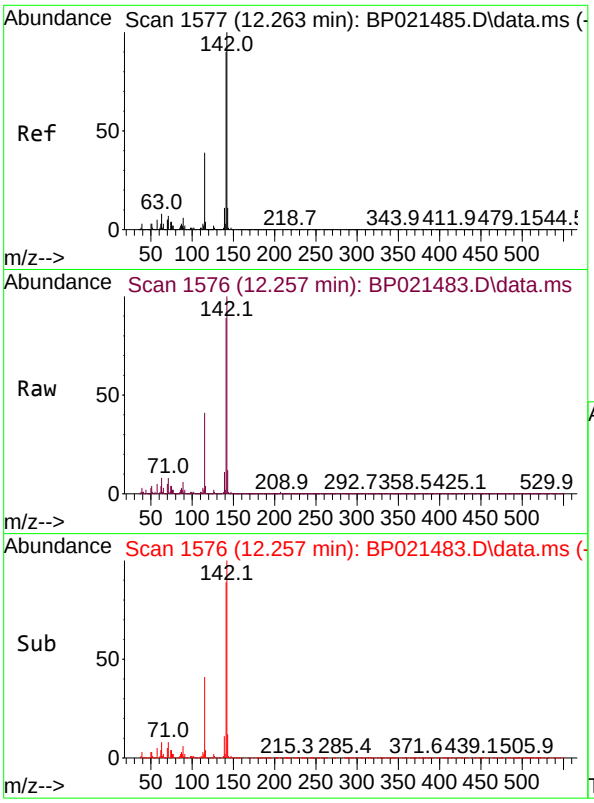


#36
4-Chloro-3-methylphenol
Concen: 10.122 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:107 Resp: 332115

Ion	Ratio	Lower	Upper
107	100		
144	21.2	16.6	24.8
142	65.3	51.0	76.4

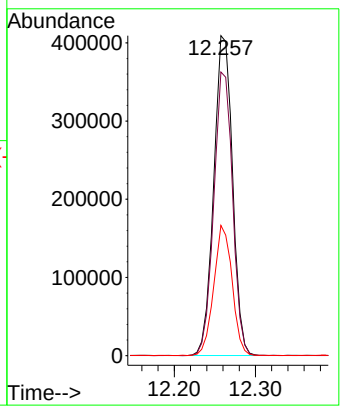




#37
2-Methylnaphthalene
Concen: 10.407 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:142 Resp: 65759

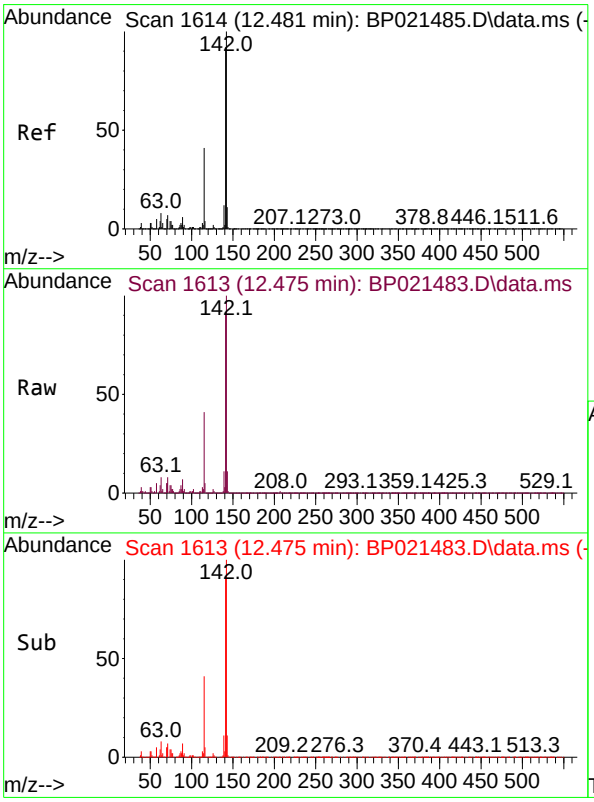
Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.7	107.5
115	40.7	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

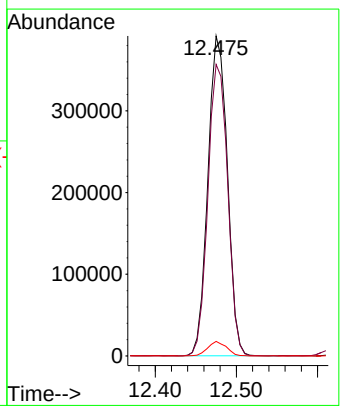
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

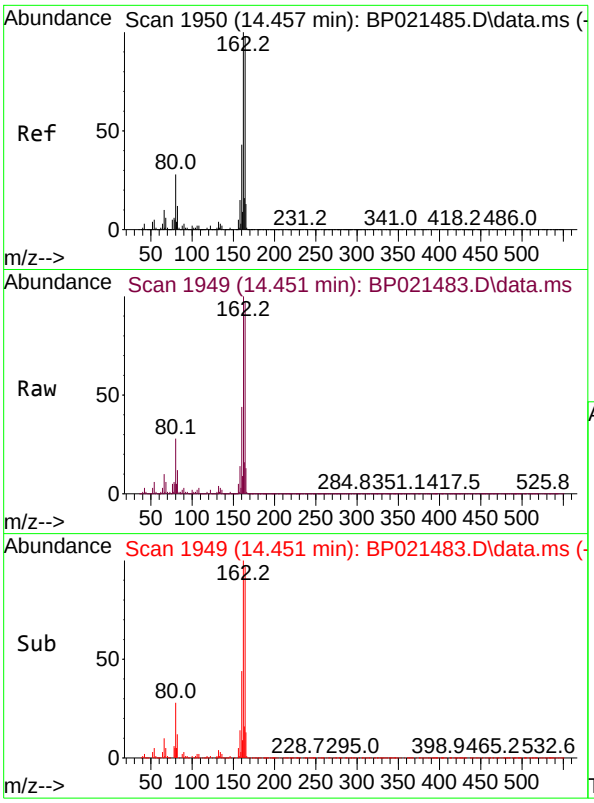


#38
1-Methylnaphthalene
Concen: 10.453 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:142 Resp: 651444

Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.5	110.3
116	4.5	3.4	5.2

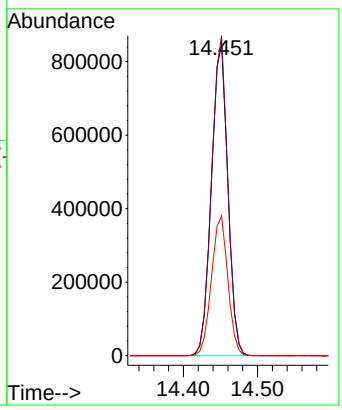




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:164 Resp: 130399

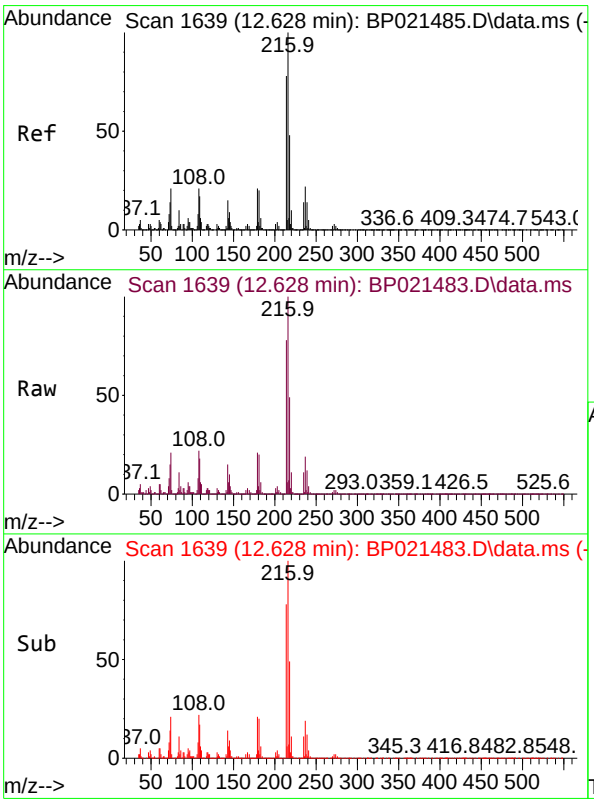
Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.5	122.3
160	44.8	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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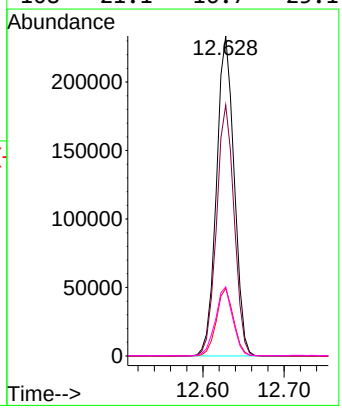
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

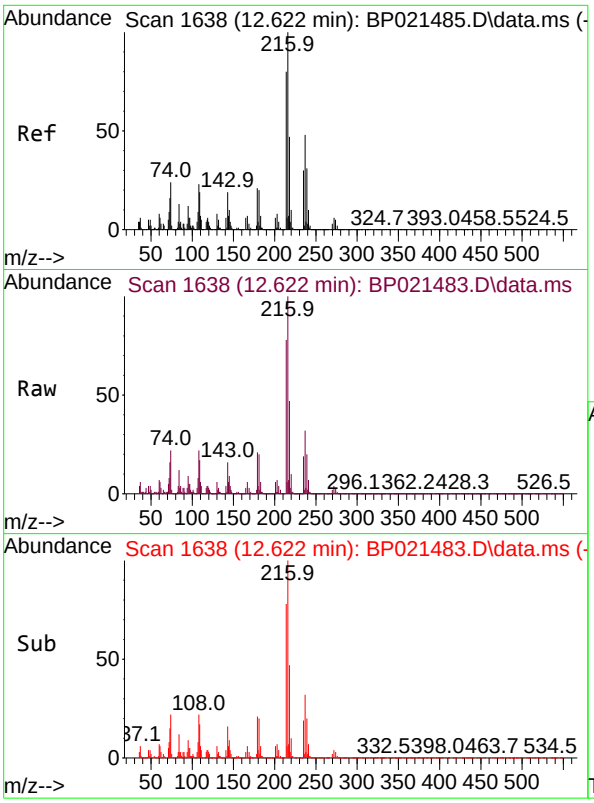


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.274 ng
RT: 12.628 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:216 Resp: 354329

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.5	93.7
179	20.4	16.4	24.6
108	21.1	16.7	25.1

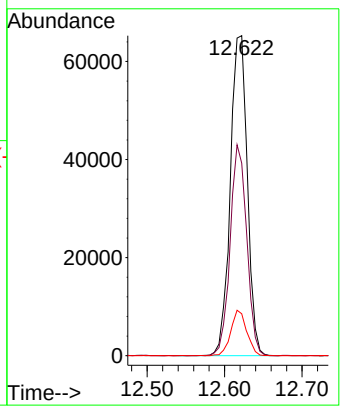




#41
Hexachlorocyclopentadiene
Concen: 8.236 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:237 Resp: 9973

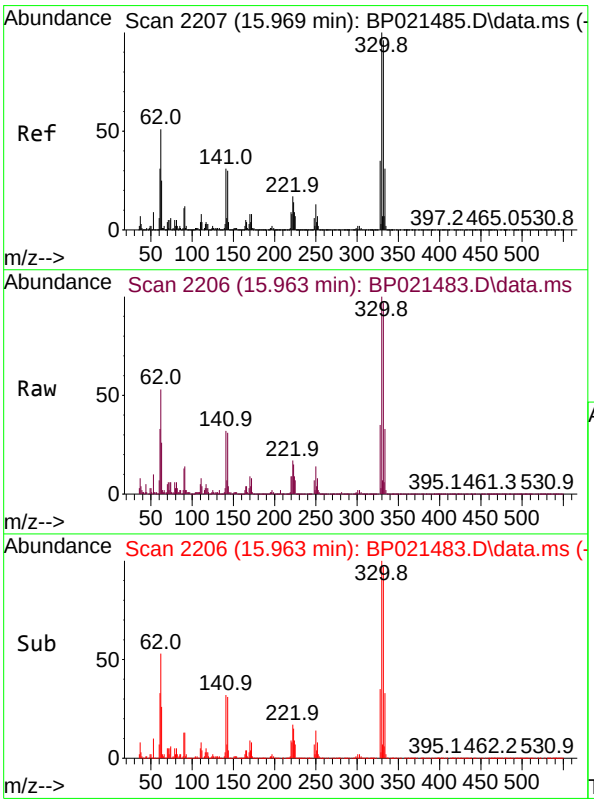
Ion	Ratio	Lower	Upper
237	100		
235	60.1	43.9	83.9
272	13.1	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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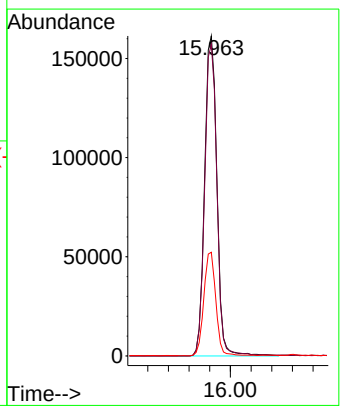
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

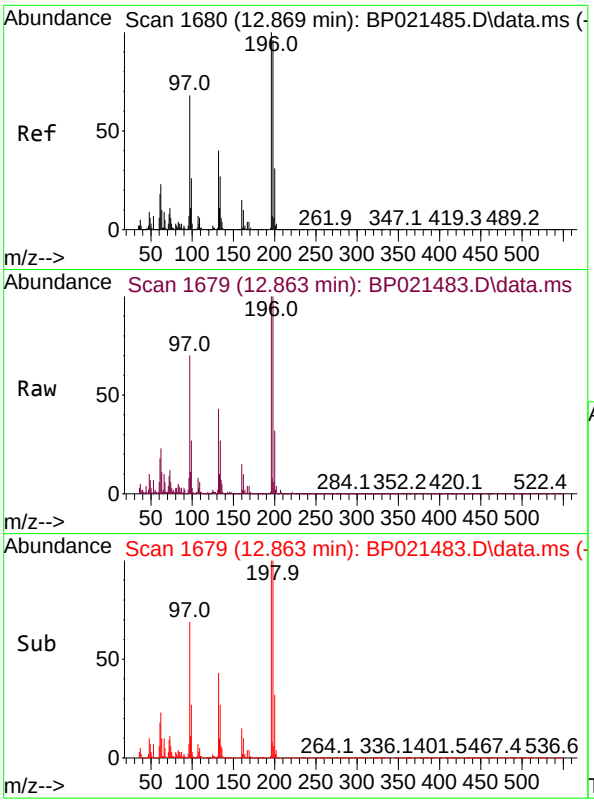


#42
2,4,6-Tribromophenol
Concen: 18.334 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:330 Resp: 266074

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.0
141	31.7	24.5	36.7





#43
2,4,6-Trichlorophenol
Concen: 8.718 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

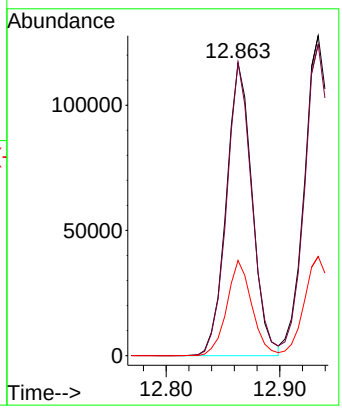
Tgt Ion:196 Resp: 18503

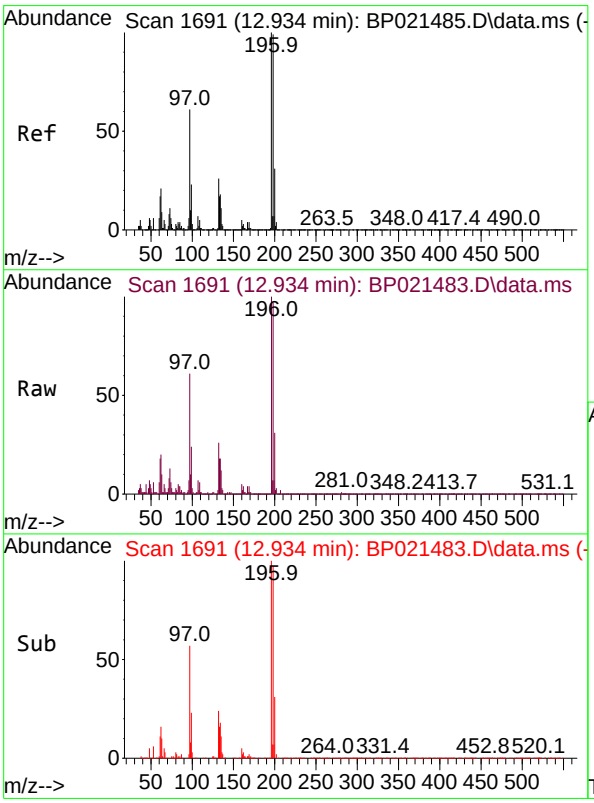
Ion	Ratio	Lower	Upper
196	100		
198	100.1	76.6	114.8
200	32.5	24.5	36.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

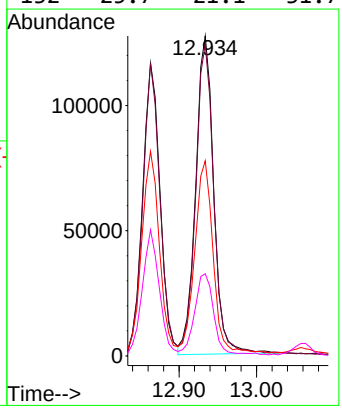


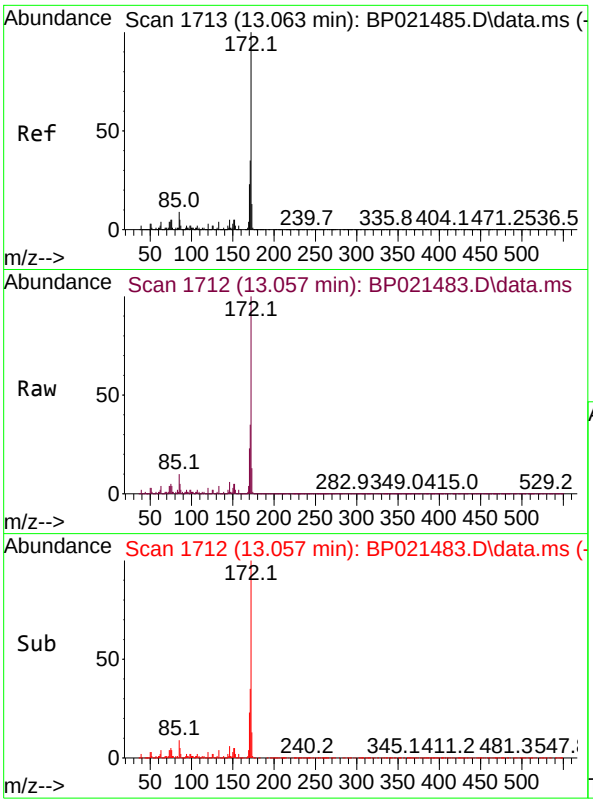


#44
2,4,5-Trichlorophenol
Concen: 8.741 ng
RT: 12.934 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:196 Resp: 206114

Ion	Ratio	Lower	Upper
196	100		
198	97.3	78.9	118.3
97	61.0	49.4	74.0
132	25.7	21.1	31.7

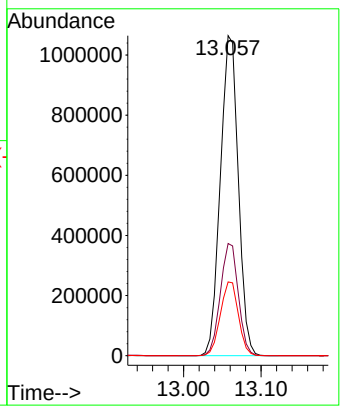




#45
2-Fluorobiphenyl
Concen: 20.051 ng
RT: 13.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:172 Resp: 171323

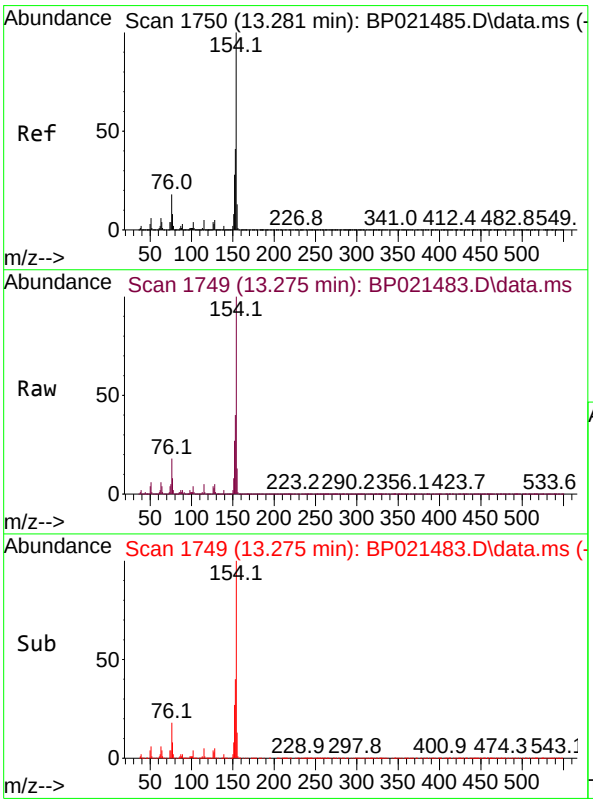
Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	23.1	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

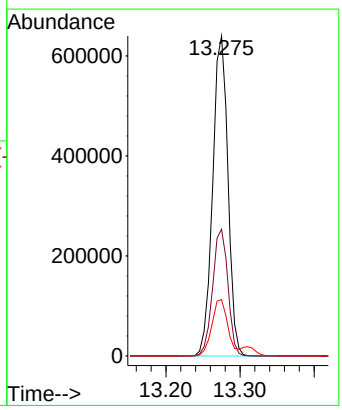
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

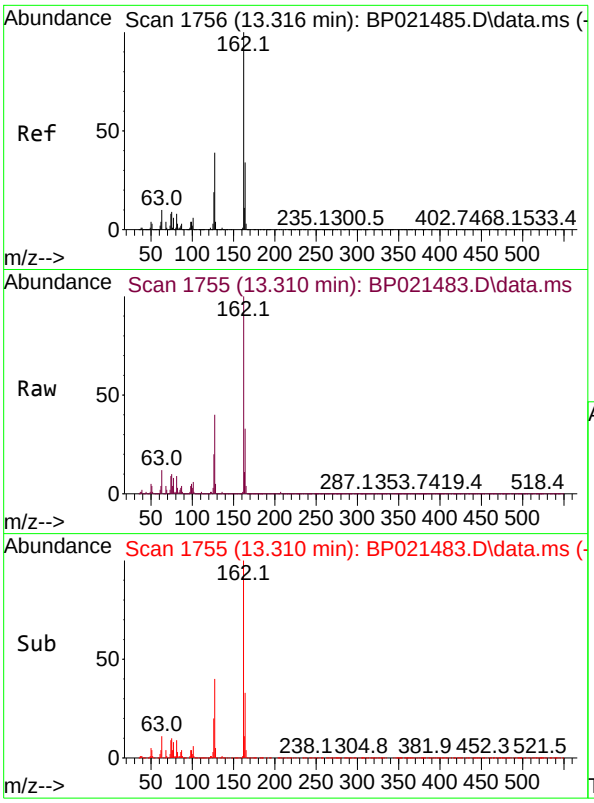


#46
1,1'-Biphenyl
Concen: 9.894 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:154 Resp: 912835

Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.7	60.7
76	17.6	0.0	37.7

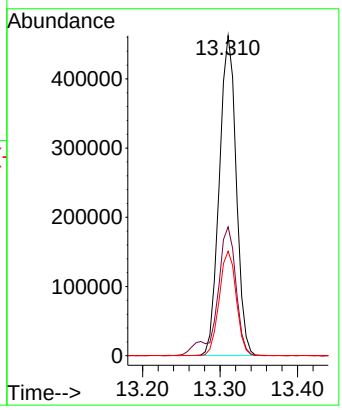




#47
2-Chloronaphthalene
Concen: 9.759 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:162 Resp: 70095

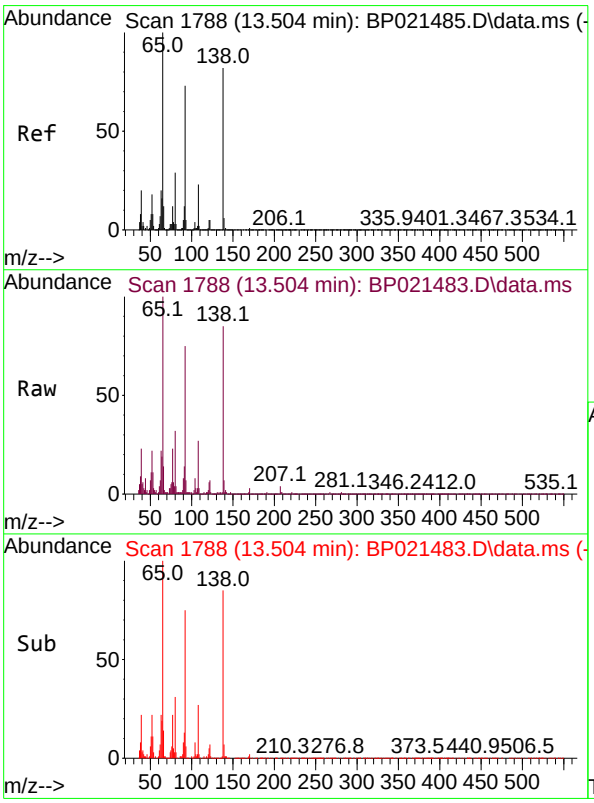
Ion	Ratio	Lower	Upper
162	100		
127	40.2	31.9	47.9
164	32.6	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

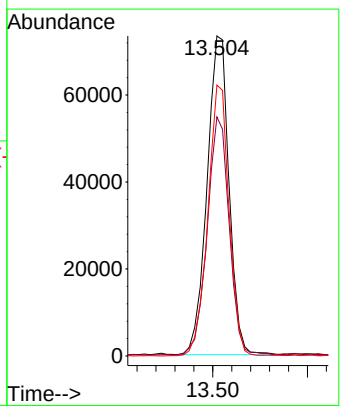
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

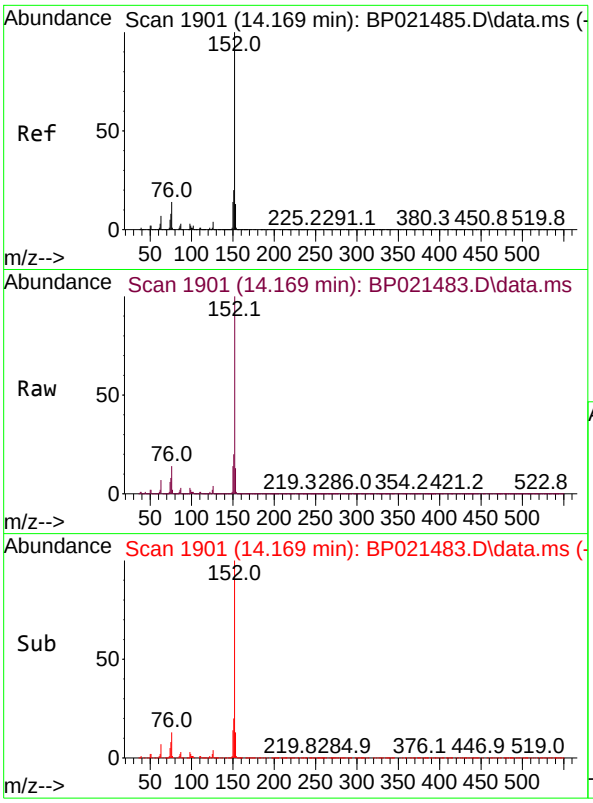


#48
2-Nitroaniline
Concen: 10.374 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 65 Resp: 117865

Ion	Ratio	Lower	Upper
65	100		
92	74.7	58.1	87.1
138	84.7	65.5	98.3

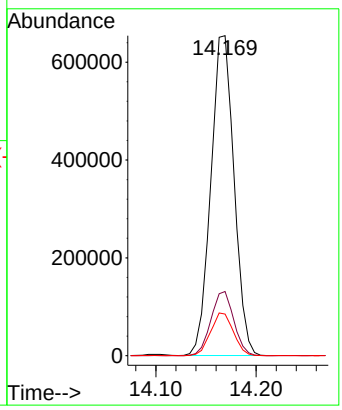




#49
Acenaphthylene
Concen: 9.941 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:152 Resp: 104961

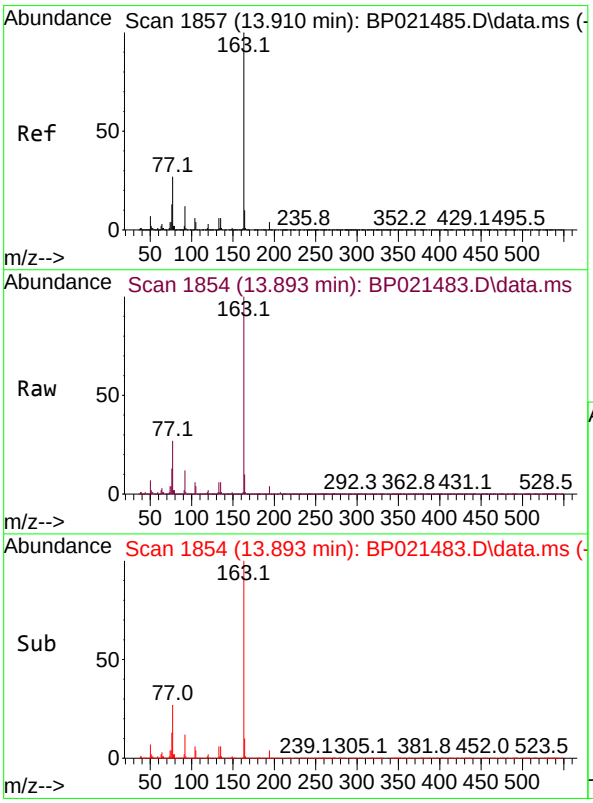
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.0	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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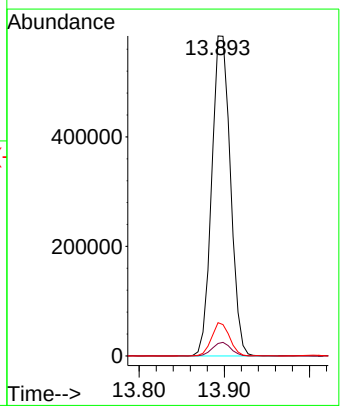
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

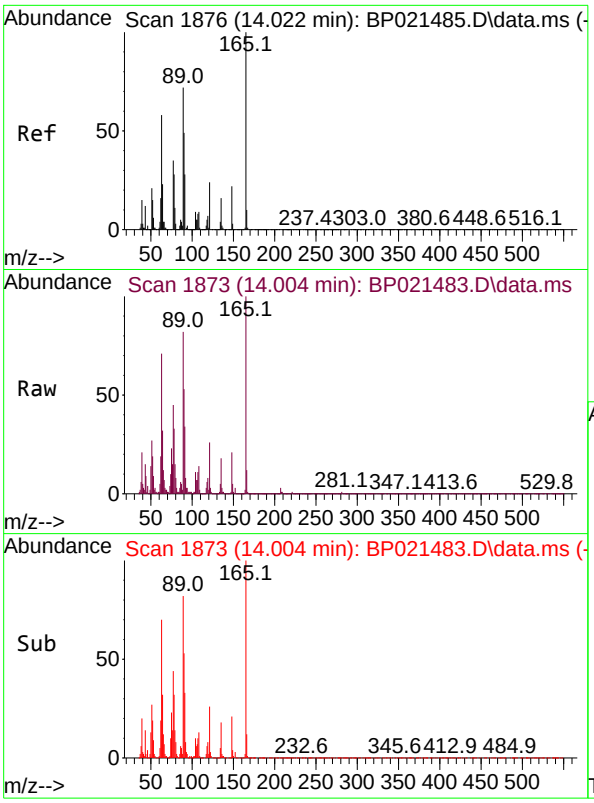


#50
Dimethylphthalate
Concen: 10.190 ng
RT: 13.893 min Scan# 1854
Delta R.T. -0.017 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:163 Resp: 889818

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.4	8.3	12.5

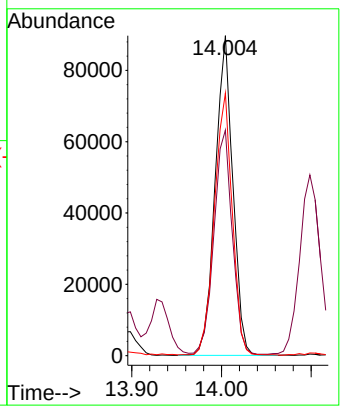




#51
2,6-Dinitrotoluene
Concen: 10.348 ng
RT: 14.004 min Scan# 1
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:165 Resp: 12223

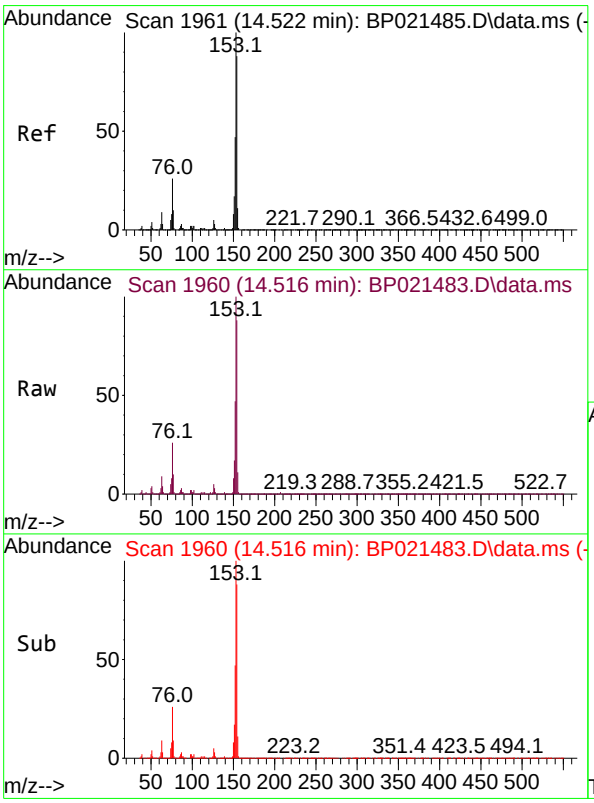
Ion	Ratio	Lower	Upper
165	100		
63	70.5	51.5	77.3
89	82.1	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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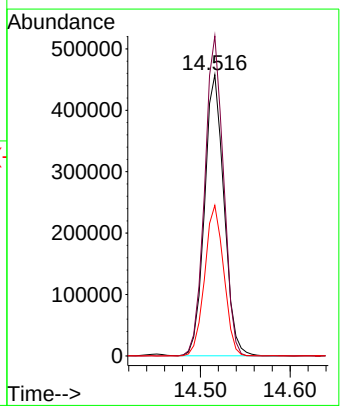
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

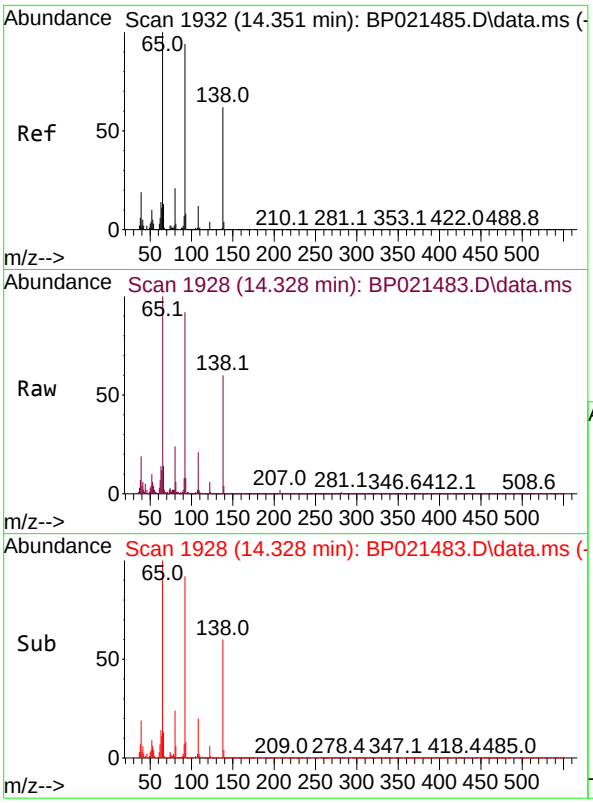


#52
Acenaphthene
Concen: 9.961 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:154 Resp: 690129

Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.1	136.7
152	53.5	43.0	64.4





#53
3-Nitroaniline
Concen: 10.365 ng
RT: 14.328 min Scan# 1
Delta R.T. -0.023 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

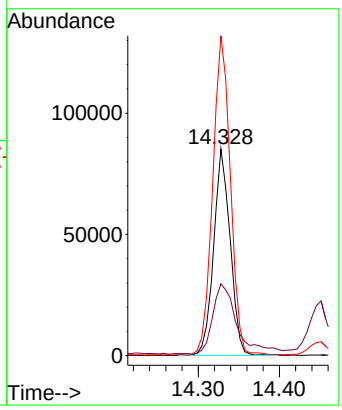
Tgt Ion:138 Resp: 12075

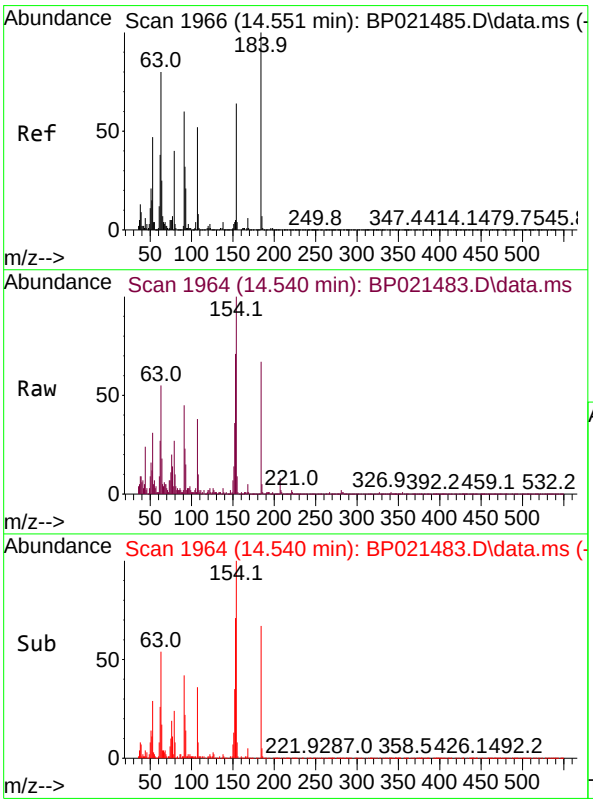
Ion	Ratio	Lower	Upper
138	100		
108	34.8	16.2	24.4#
92	154.7	122.2	183.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

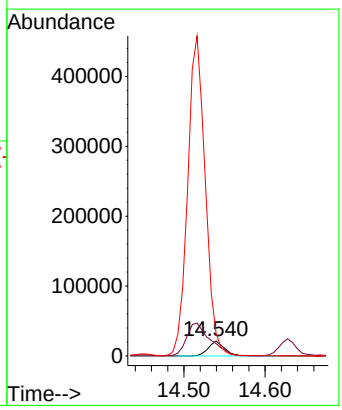


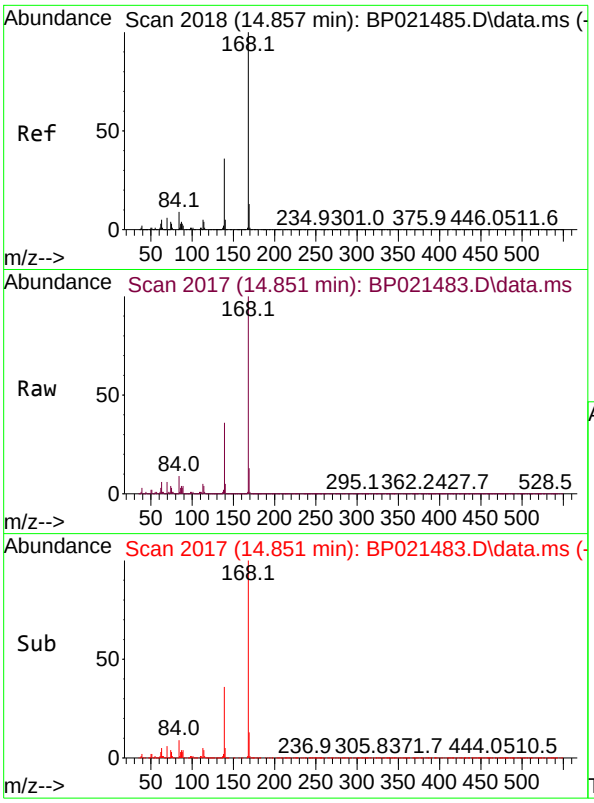


#54
2,4-Dinitrophenol
Concen: 10.721 ng
RT: 14.540 min Scan# 1964
Delta R.T. -0.011 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:184 Resp: 29452

Ion	Ratio	Lower	Upper
184	100		
63	81.7	64.9	97.3
154	149.0	52.1	78.1#

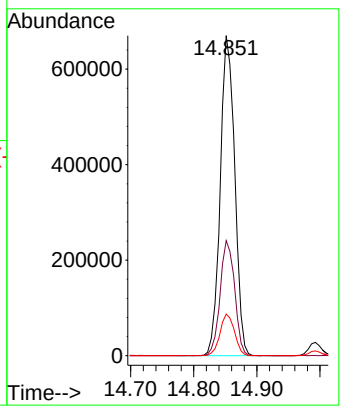




#55
Dibenzofuran
Concen: 10.016 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:168 Resp: 106743

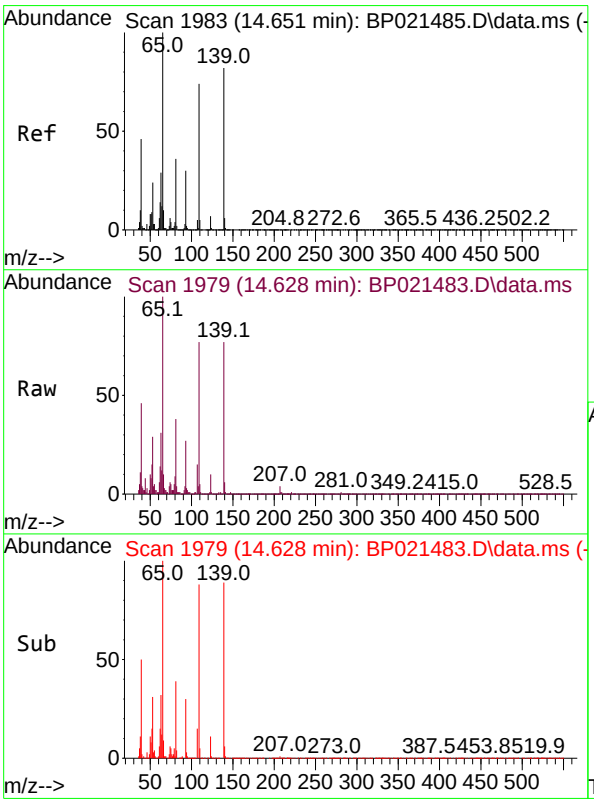
Ion	Ratio	Lower	Upper
168	100		
139	36.0	28.6	43.0
169	13.0	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

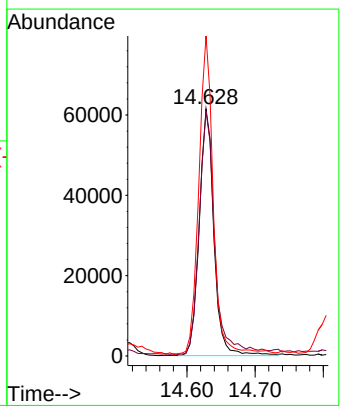
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

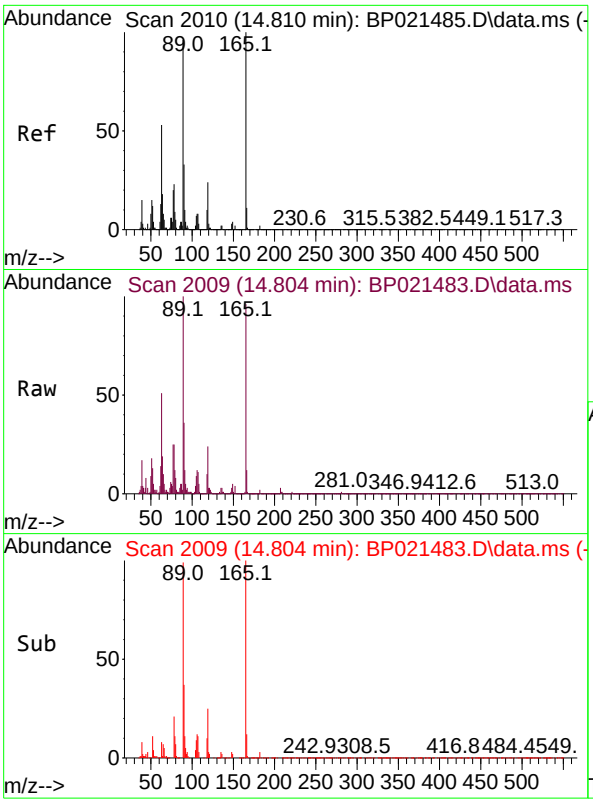


#56
4-Nitrophenol
Concen: 11.027 ng
RT: 14.628 min Scan# 1979
Delta R.T. -0.023 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:139 Resp: 91997

Ion	Ratio	Lower	Upper
139	100		
109	99.2	70.2	110.2
65	129.6	101.8	141.8

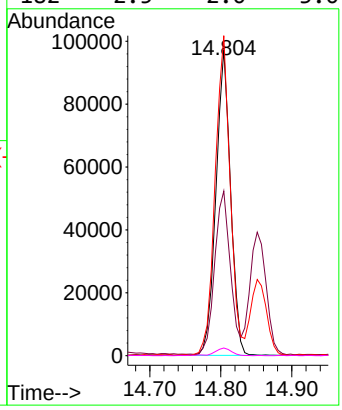




#57
2,4-Dinitrotoluene
Concen: 10.586 ng
RT: 14.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:165 Resp: 13924

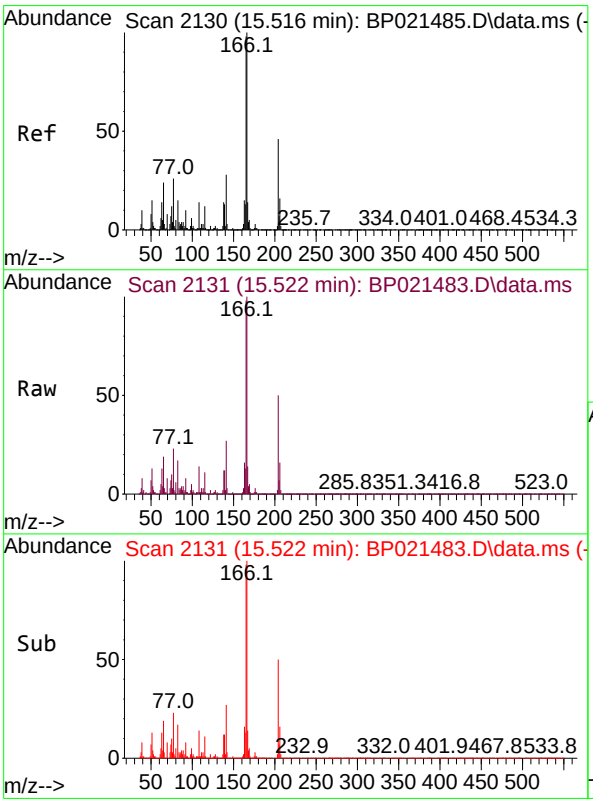
Ion	Ratio	Lower	Upper
165	100		
63	53.8	42.5	63.7
89	104.6	77.1	115.7
182	2.5	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

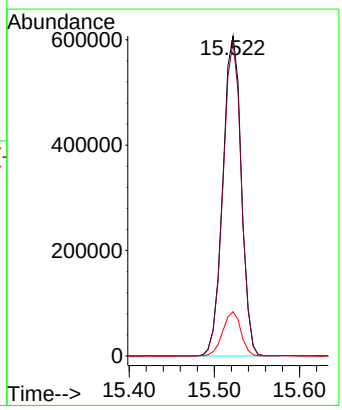
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

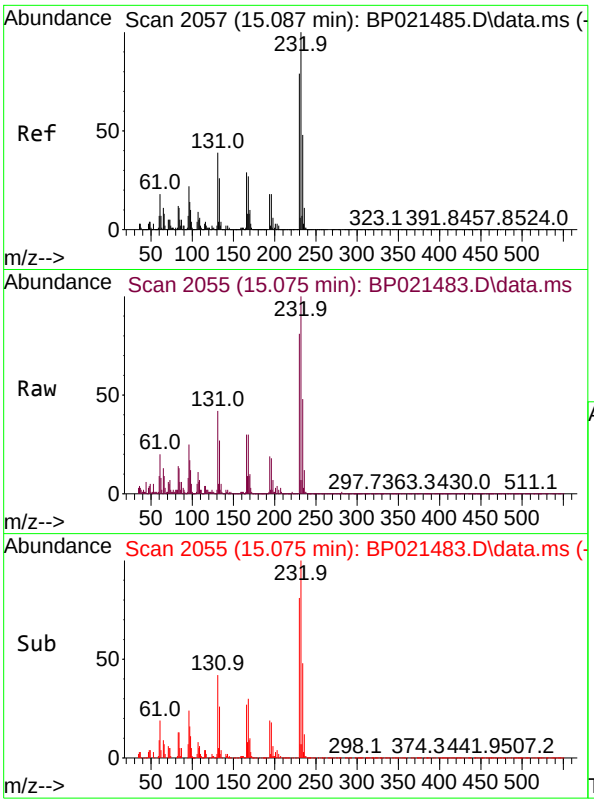


#58
Fluorene
Concen: 10.425 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:166 Resp: 912792

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.1	117.1
167	13.9	11.0	16.4

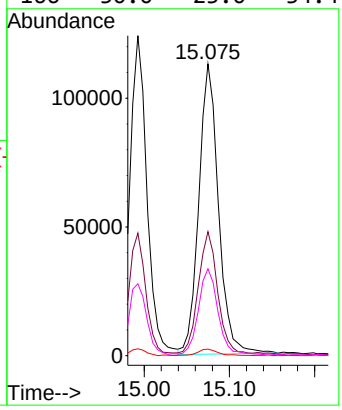




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.055 ng
RT: 15.075 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:232 Resp: 18123

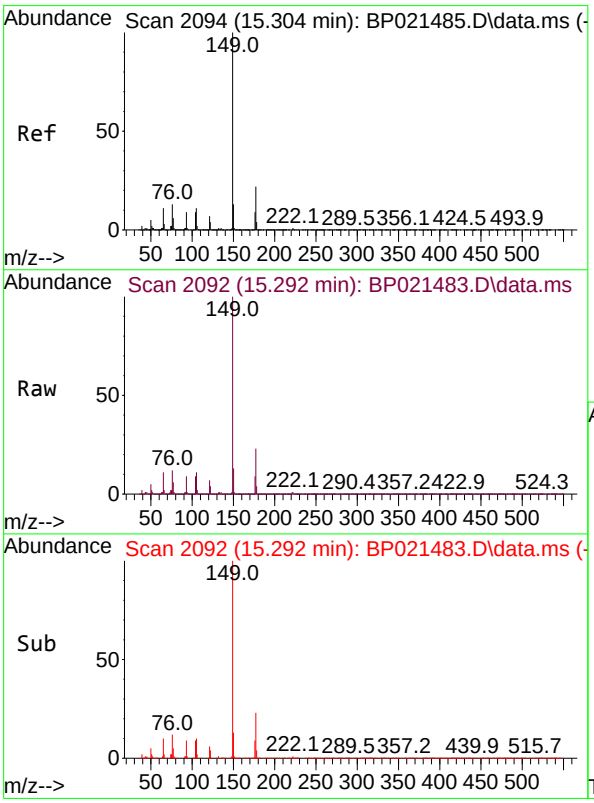
Ion	Ratio	Lower	Upper
232	100		
131	40.9	33.1	49.7
130	2.3	1.7	2.5
166	30.0	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

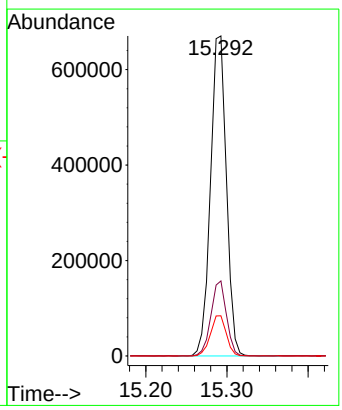
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

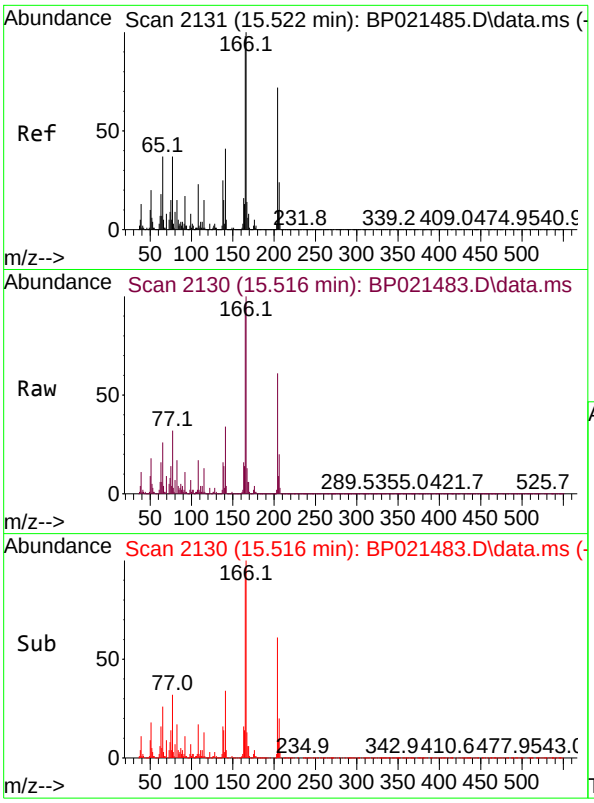


#60
Diethylphthalate
Concen: 10.148 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 909304

Ion	Ratio	Lower	Upper
149	100		
177	23.4	17.8	26.8
150	12.6	10.1	15.1

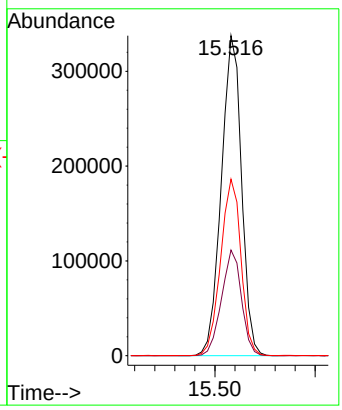




#61
4-Chlorophenyl-phenylether
Concen: 10.426 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:204 Resp: 47186

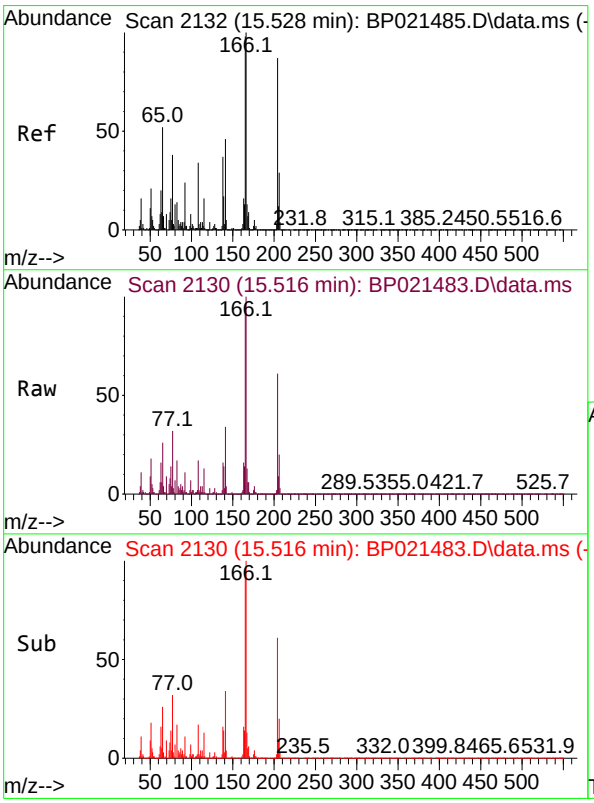
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	55.2	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

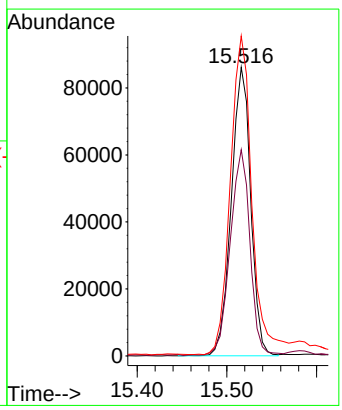
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

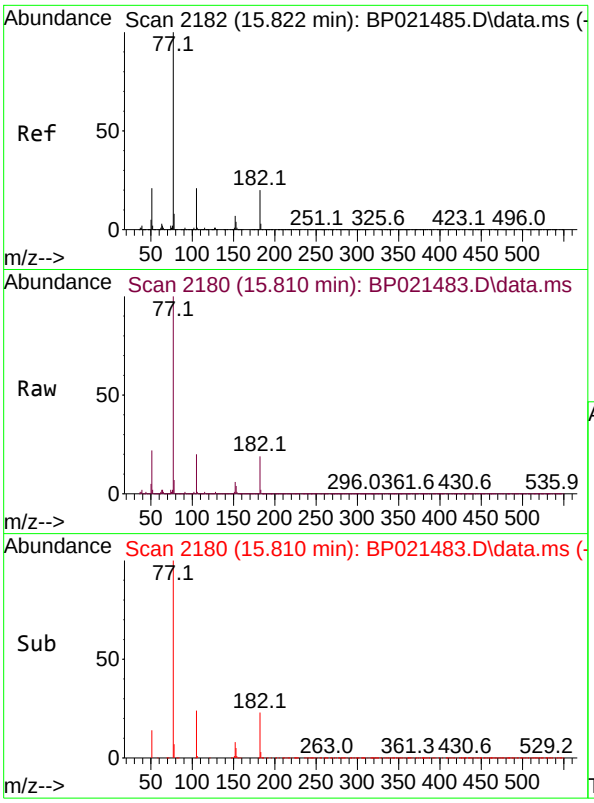


#62
4-Nitroaniline
Concen: 9.743 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:138 Resp: 129100

Ion	Ratio	Lower	Upper
138	100		
92	71.5	46.4	86.4
108	110.9	73.2	113.2

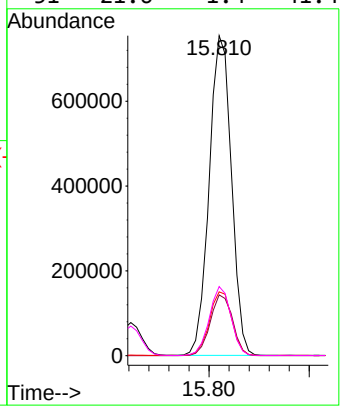




#63
Azobenzene
Concen: 10.529 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion: 77 Resp: 115964

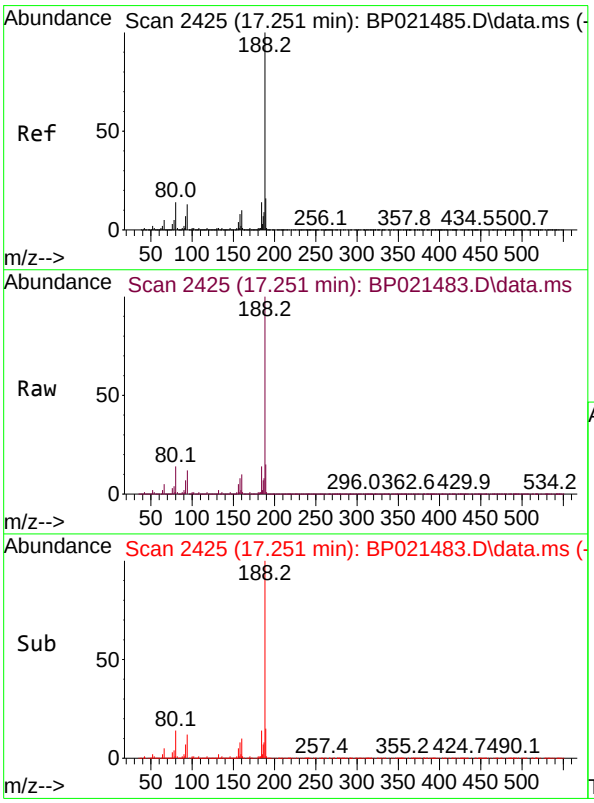
Ion	Ratio	Lower	Upper
77	100		
182	19.0	0.0	39.9
105	20.0	0.9	40.9
51	21.6	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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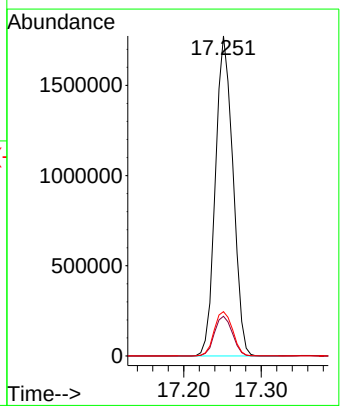
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

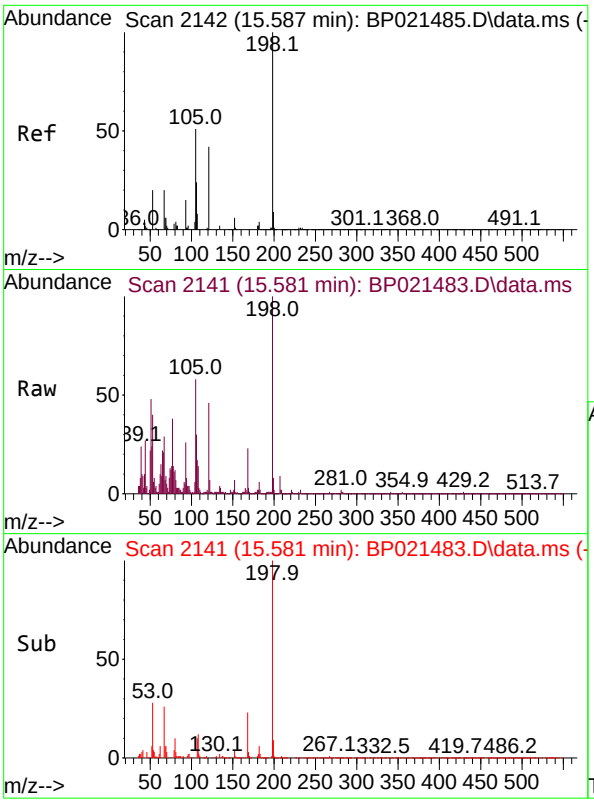


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:188 Resp: 2799153

Ion	Ratio	Lower	Upper
188	100		
94	12.4	10.2	15.4
80	13.9	11.6	17.4

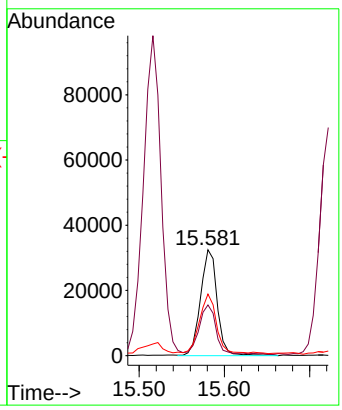




#65
4,6-Dinitro-2-methylphenol
Concen: 11.022 ng
RT: 15.581 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:198 Resp: 4407

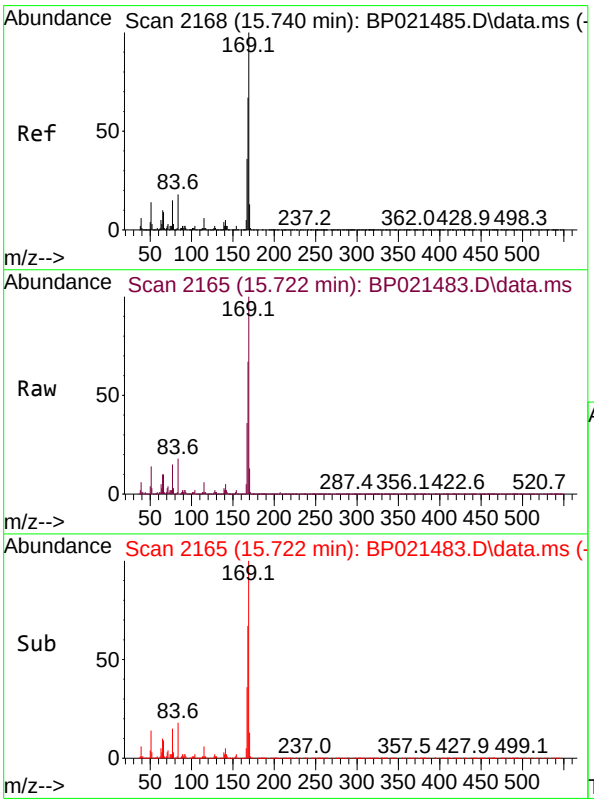
Ion	Ratio	Lower	Upper
198	100		
51	47.9	21.5	61.5
105	58.2	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

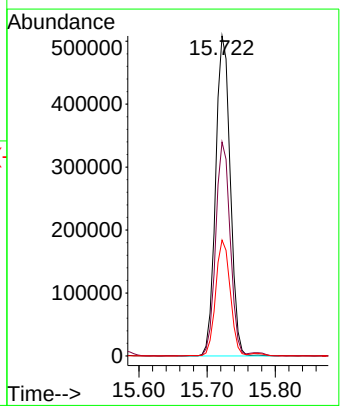
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

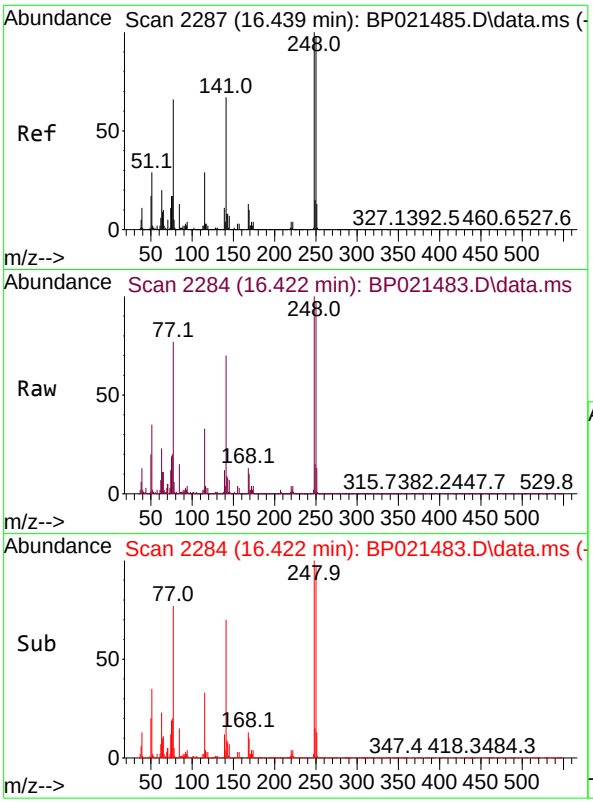


#66
n-Nitrosodiphenylamine
Concen: 10.103 ng
RT: 15.722 min Scan# 2165
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:169 Resp: 757847

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.2	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 9.906 ng
RT: 16.422 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

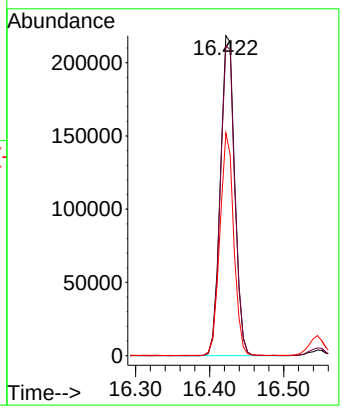
Tgt Ion:248 Resp: 29346

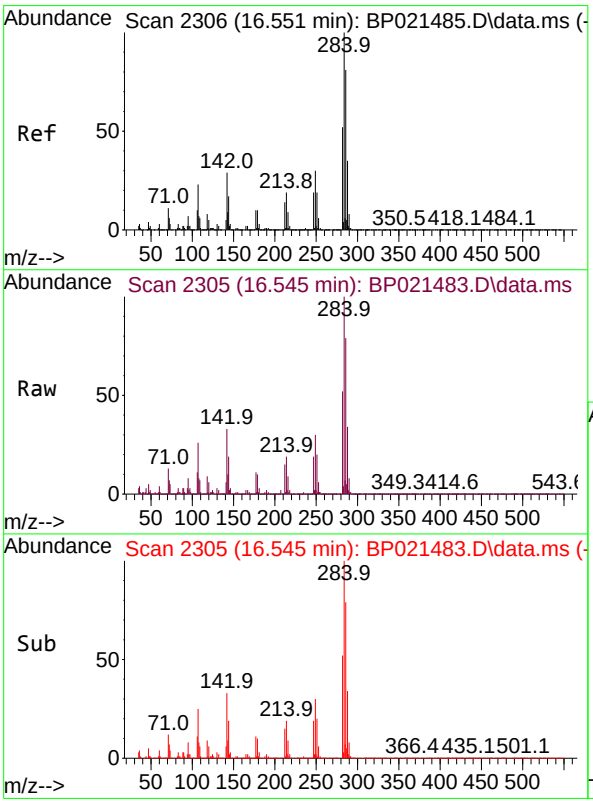
Ion	Ratio	Lower	Upper
248	100		
250	96.8	78.6	117.8
141	69.6	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

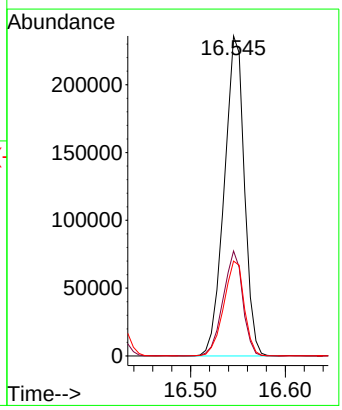


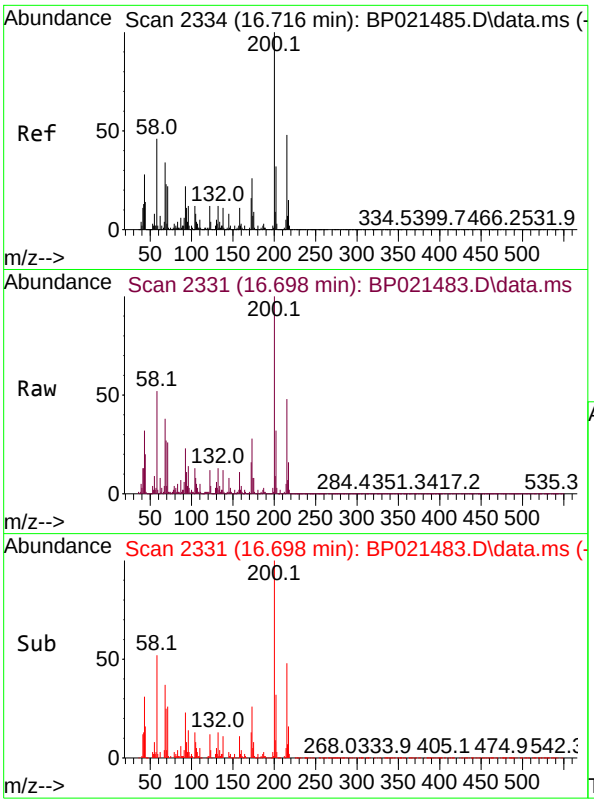


#68
Hexachlorobenzene
Concen: 9.938 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:284 Resp: 347933

Ion	Ratio	Lower	Upper
284	100		
142	32.8	23.4	35.2
249	29.7	24.1	36.1

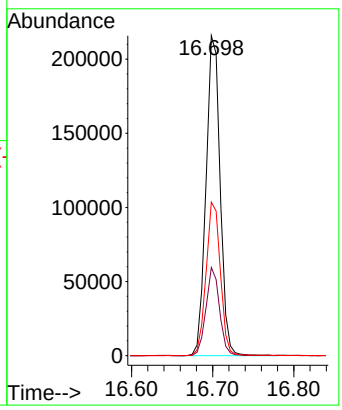




#69
Atrazine
Concen: 10.106 ng
RT: 16.698 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:200 Resp: 26027

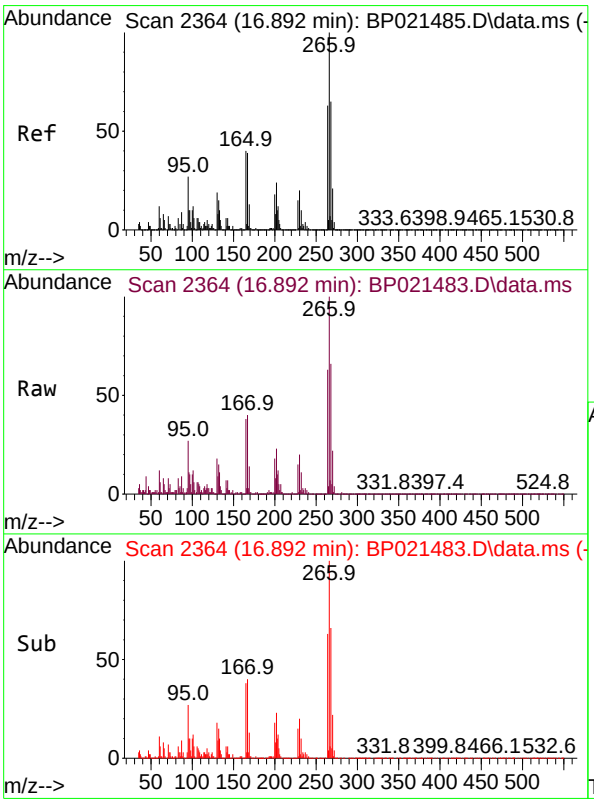
Ion	Ratio	Lower	Upper
200	100		
173	27.5	6.2	46.2
215	48.0	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

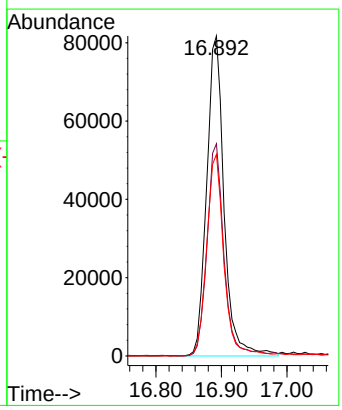
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

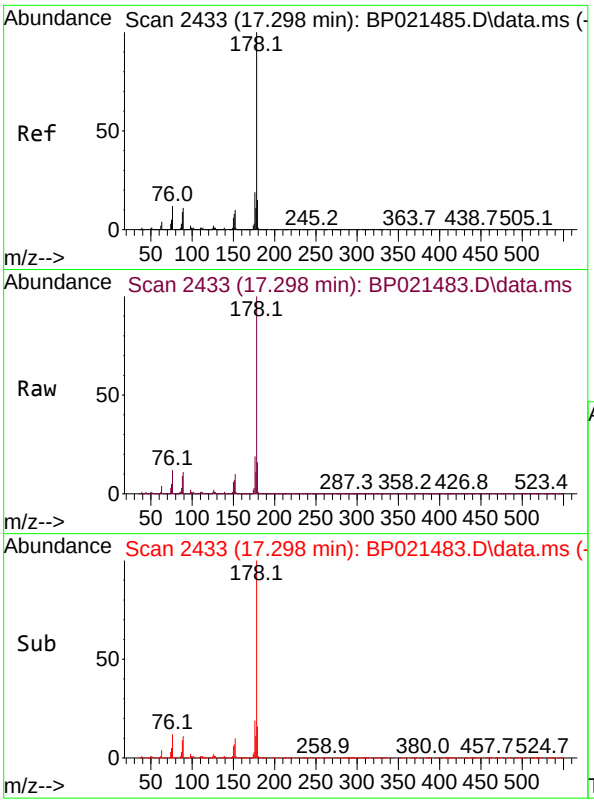


#70
Pentachlorophenol
Concen: 7.877 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:266 Resp: 150520

Ion	Ratio	Lower	Upper
266	100		
268	66.3	51.8	77.6
264	63.0	50.5	75.7

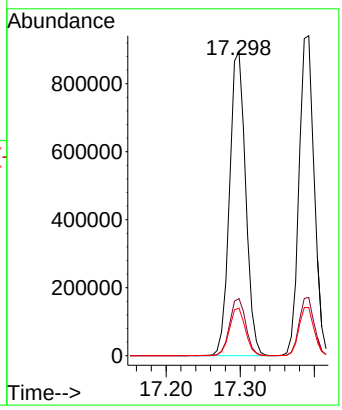




#71
Phenanthrene
Concen: 10.017 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:178 Resp: 134841

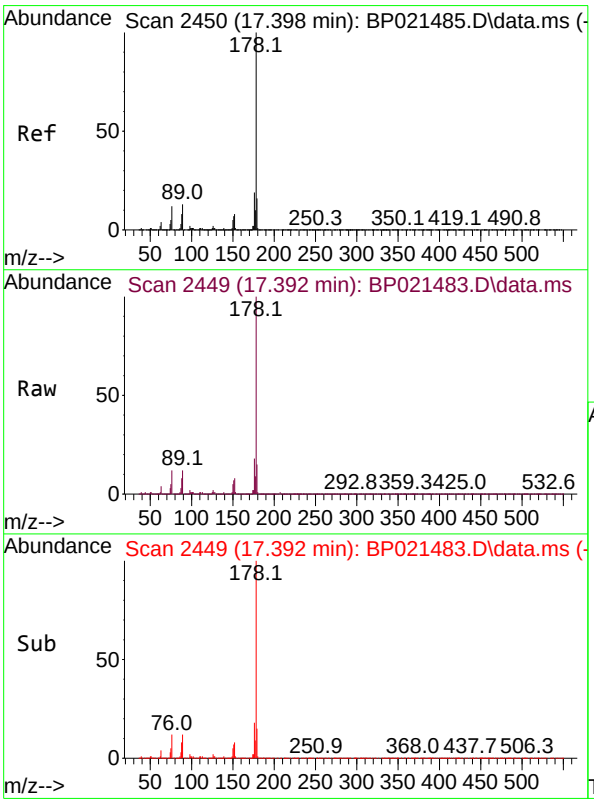
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.6	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations
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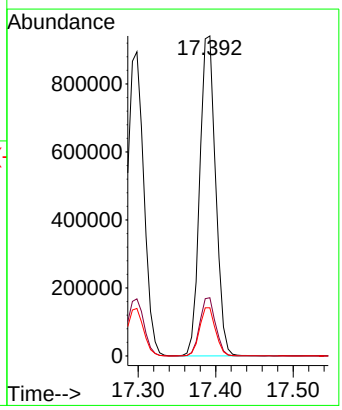
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

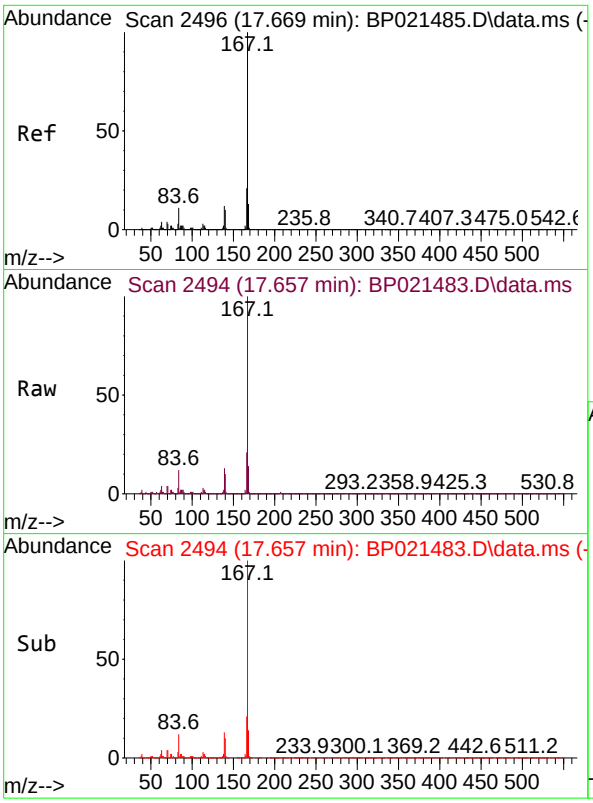


#72
Anthracene
Concen: 10.123 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:178 Resp: 1336422

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.9	22.3
179	15.0	12.5	18.7

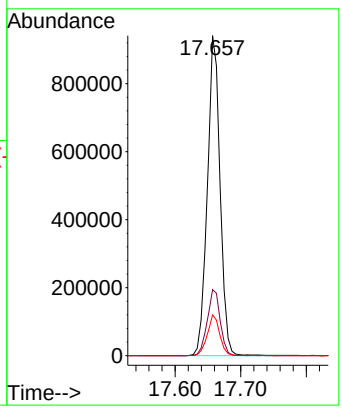




#73
Carbazole
Concen: 9.966 ng
RT: 17.657 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:167 Resp: 126796

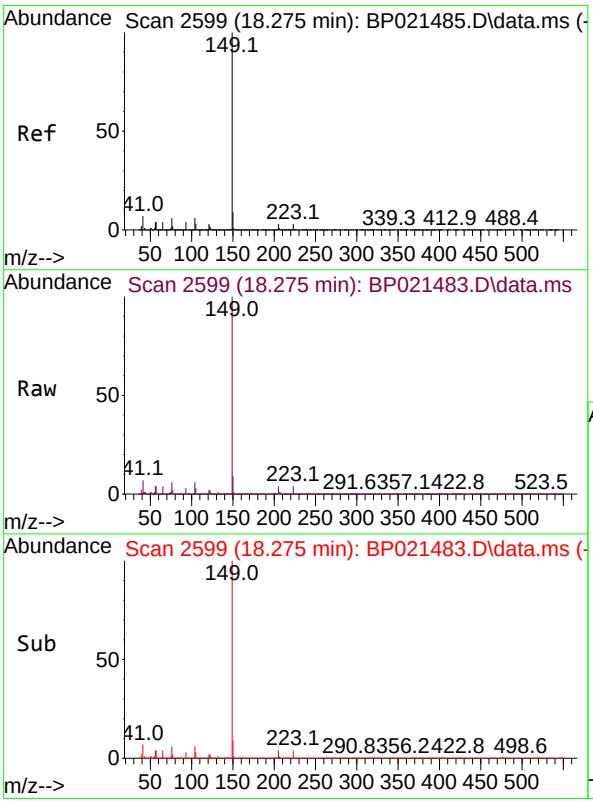
Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.0	25.4
139	12.7	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

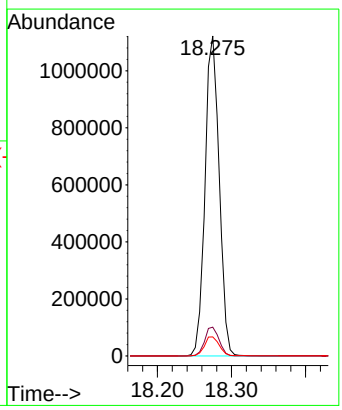
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

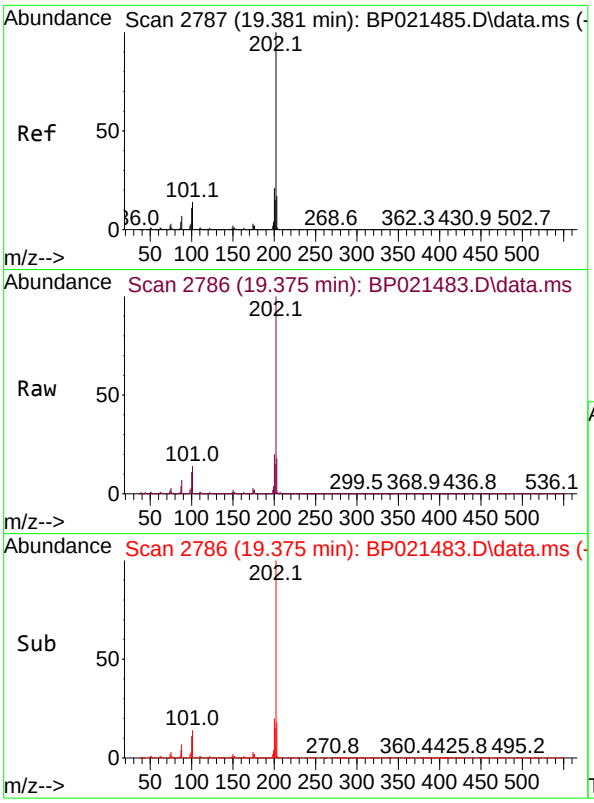


#74
Di-n-butylphthalate
Concen: 9.539 ng
RT: 18.275 min Scan# 2599
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 1490471

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	6.0	4.9	7.3

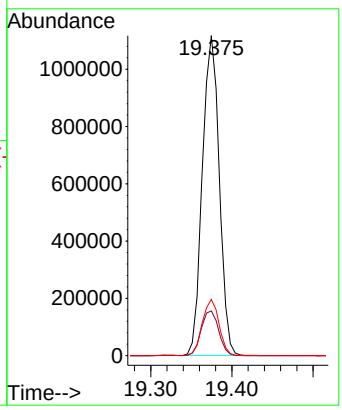




#75
Fluoranthene
Concen: 9.769 ng
RT: 19.375 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:202 Resp: 161350

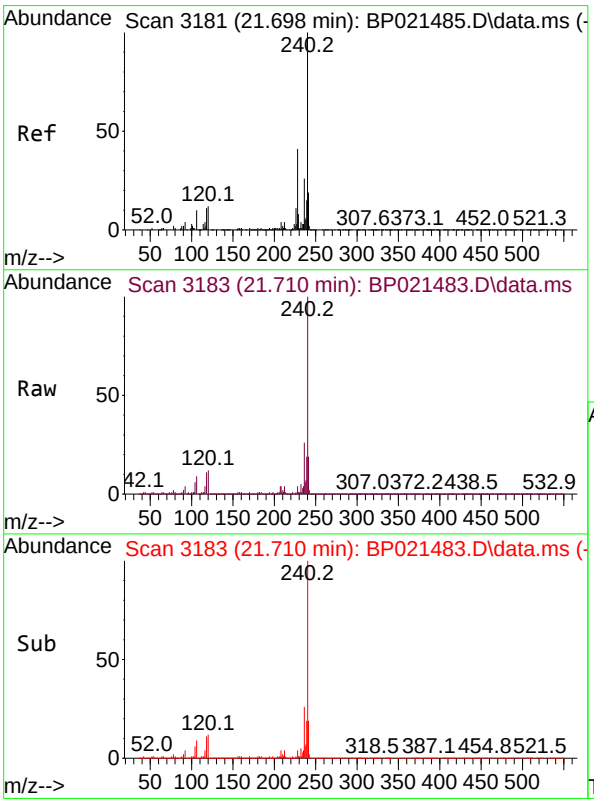
Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.0
203	17.6	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

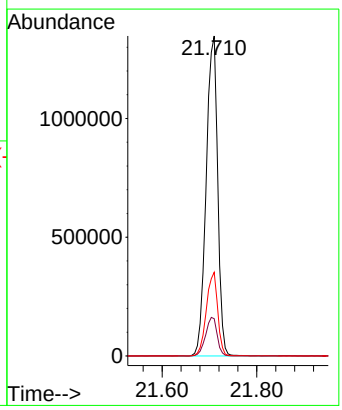
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

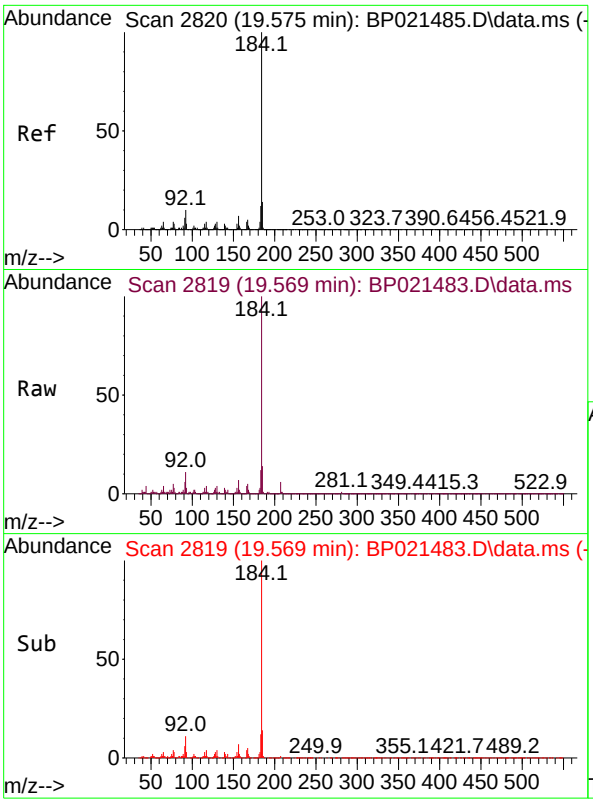


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:240 Resp: 2268651

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.9	14.9
236	26.2	20.6	30.8

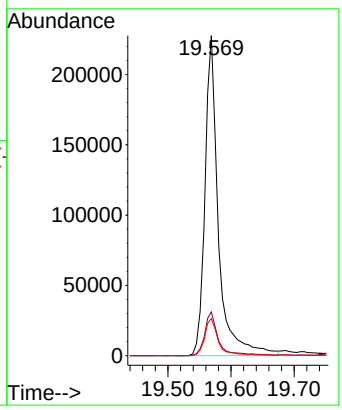




#77
Benzidine
Concen: 9.509 ng
RT: 19.569 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:184 Resp: 33659

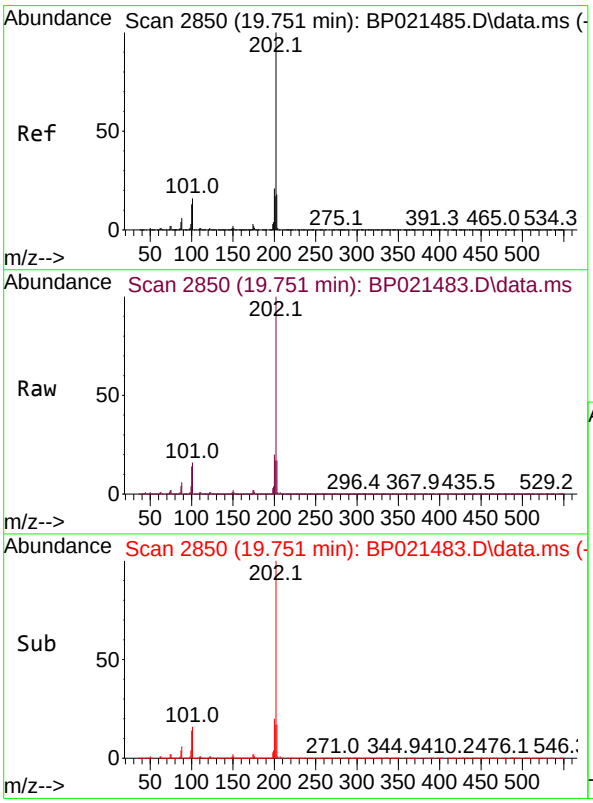
Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.4	17.0
183	11.6	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

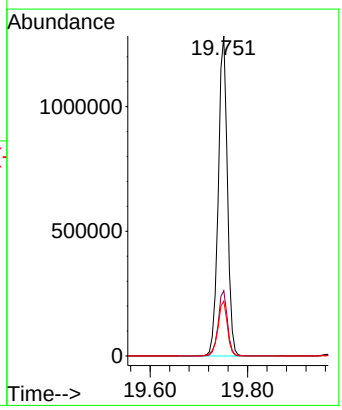
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

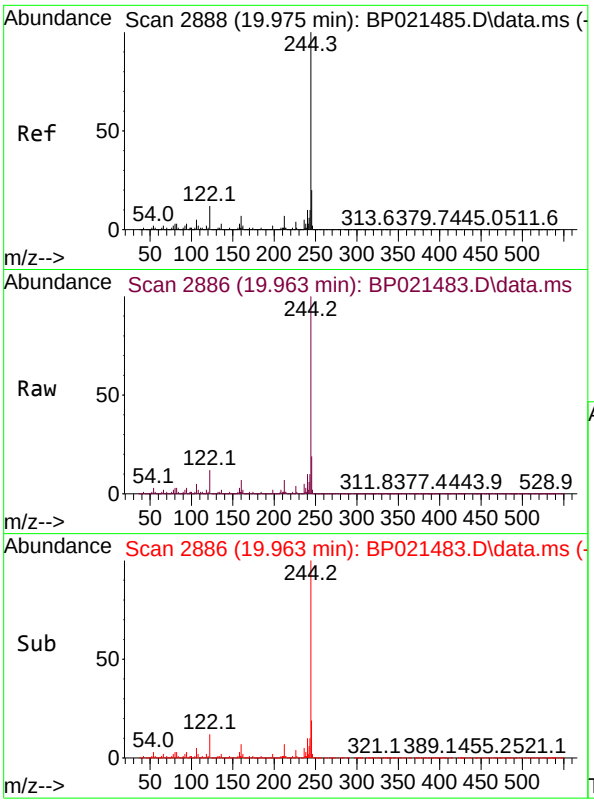


#78
Pyrene
Concen: 11.243 ng
RT: 19.751 min Scan# 2850
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:202 Resp: 1667213

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.7	25.1
203	17.1	14.1	21.1

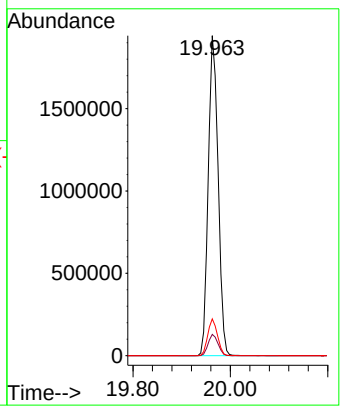




#79
Terphenyl-d14
Concen: 23.235 ng
RT: 19.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:244 Resp: 271331

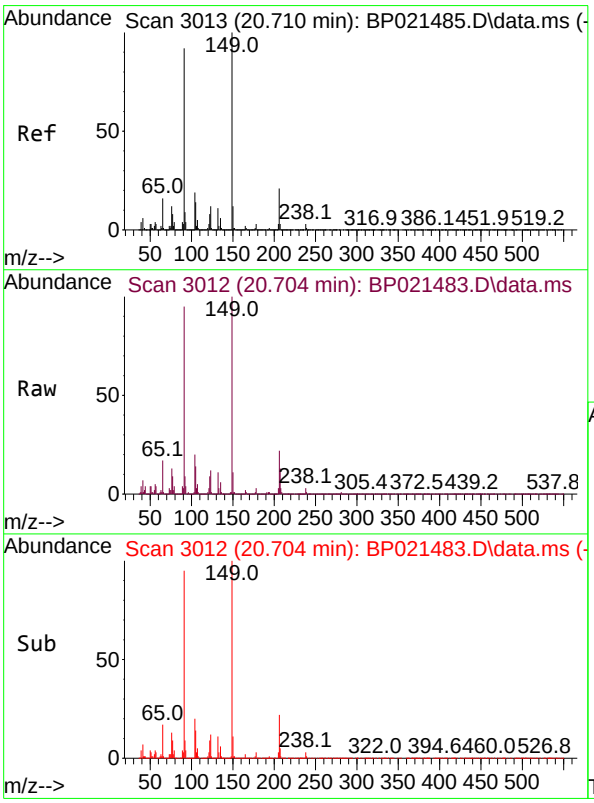
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.5	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

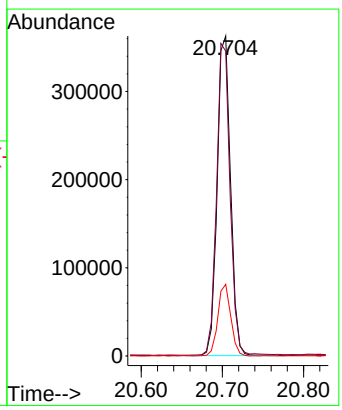
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

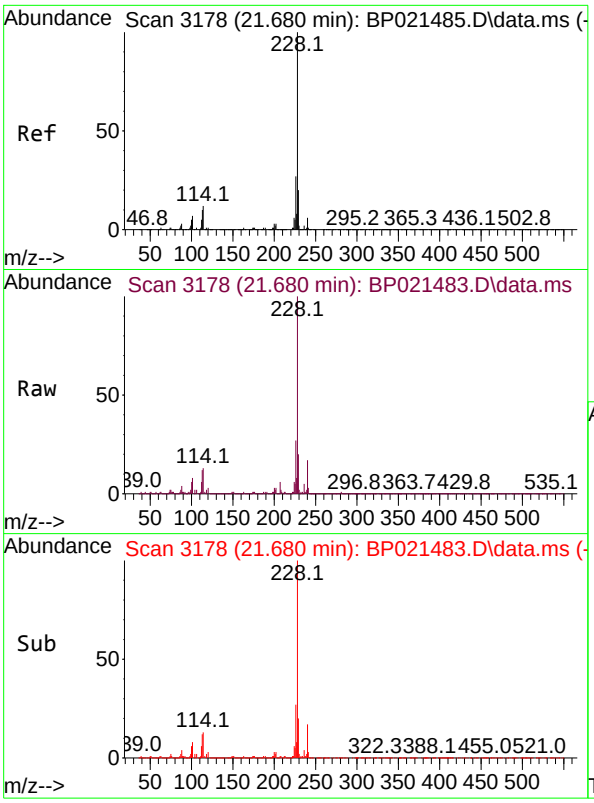


#80
Butylbenzylphthalate
Concen: 10.409 ng
RT: 20.704 min Scan# 3012
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 414136

Ion	Ratio	Lower	Upper
149	100		
91	95.2	73.3	109.9
206	22.4	17.1	25.7

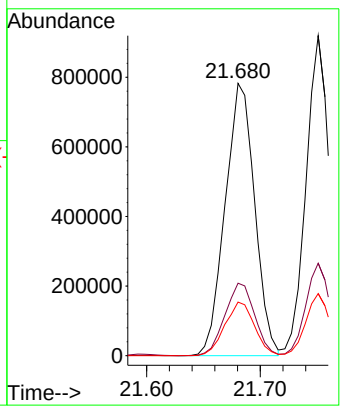




#81
Benzo(a)anthracene
Concen: 9.936 ng
RT: 21.680 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:228 Resp: 141500

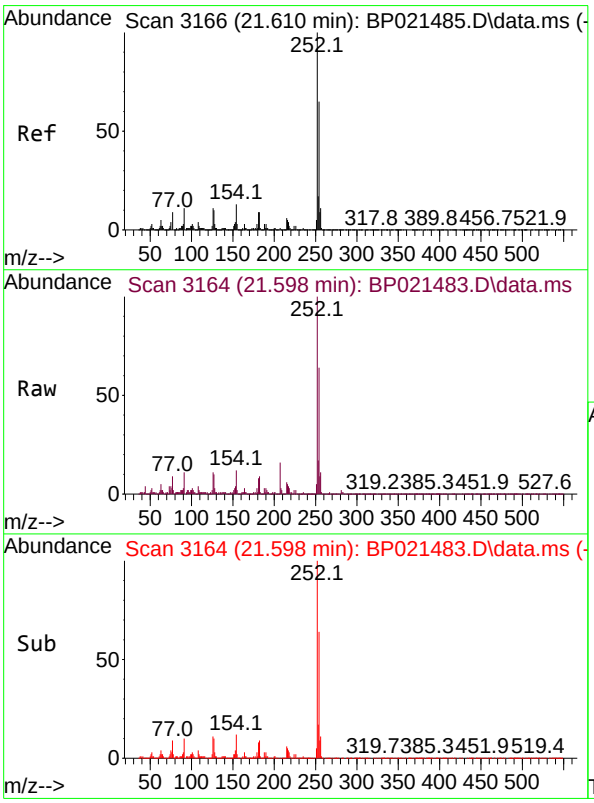
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.4	32.2
229	19.7	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

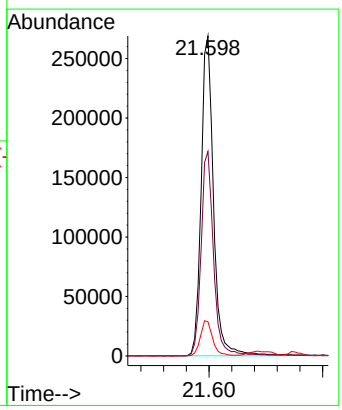
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

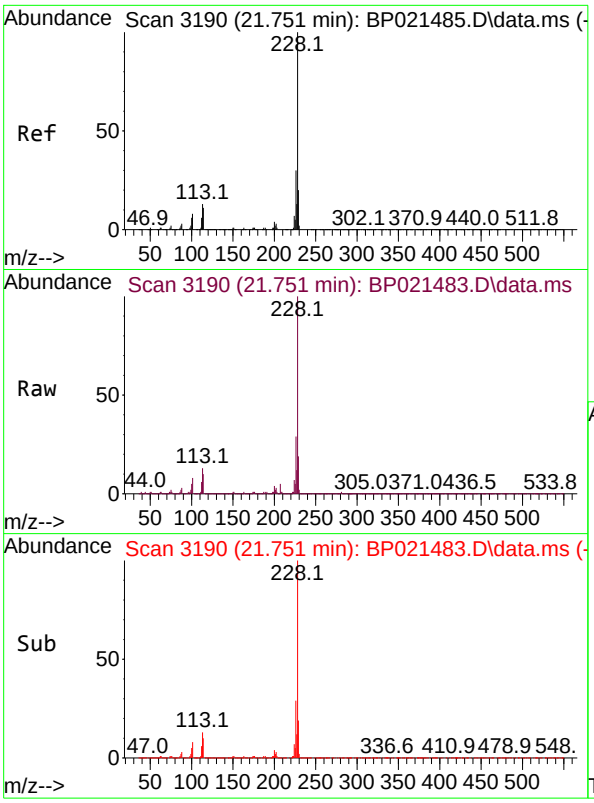


#82
3,3'-Dichlorobenzidine
Concen: 8.884 ng
RT: 21.598 min Scan# 3164
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:252 Resp: 405660

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.7	77.5
126	10.7	8.7	13.1

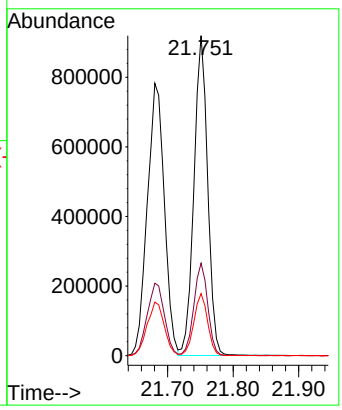




#83
Chrysene
Concen: 9.955 ng
RT: 21.751 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:228 Resp: 133861

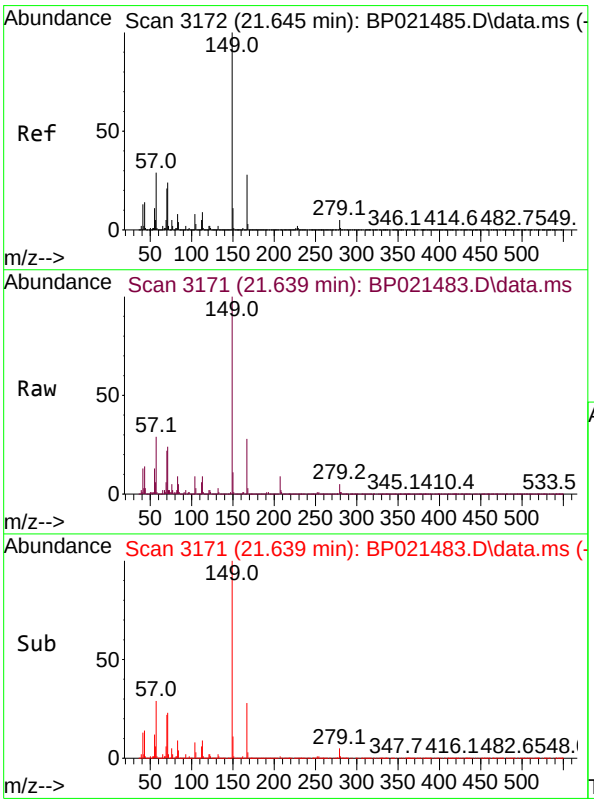
Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.9	35.9
229	19.4	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

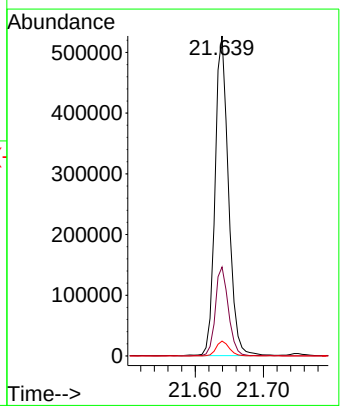
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

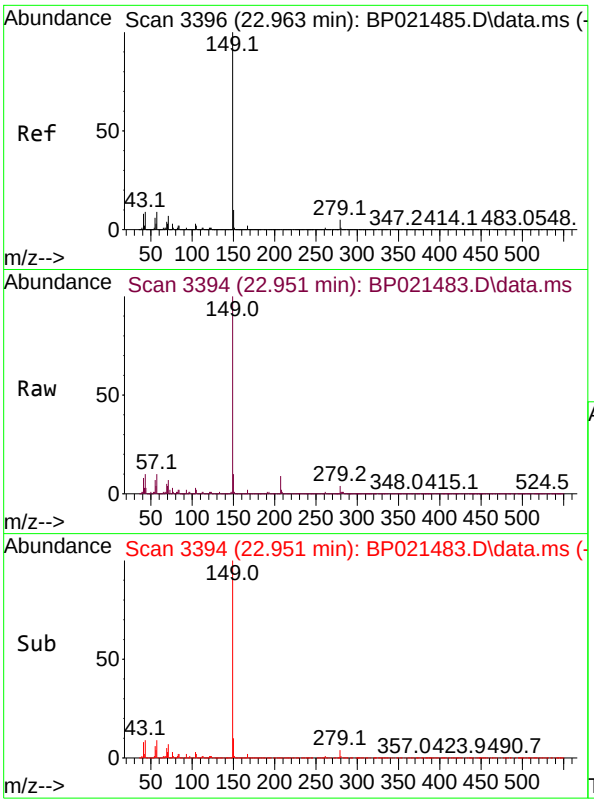


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.563 ng
RT: 21.639 min Scan# 3171
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 720802

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.3	33.5
279	4.7	3.8	5.6

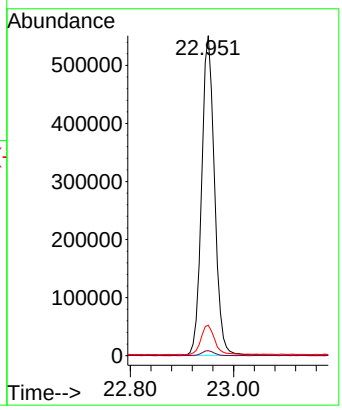




#85
Di-n-octyl phthalate
Concen: 10.621 ng
RT: 22.951 min Scan# 3
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:149 Resp: 95118

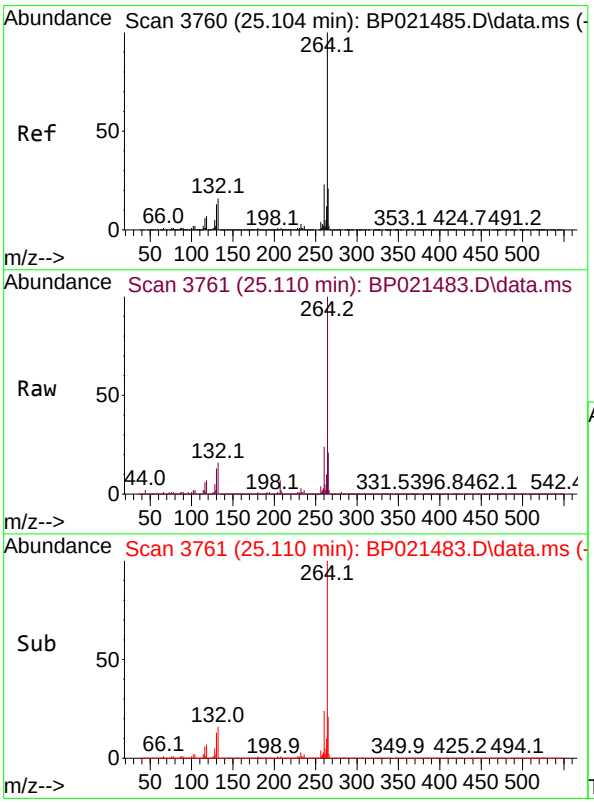
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.7	7.3	10.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

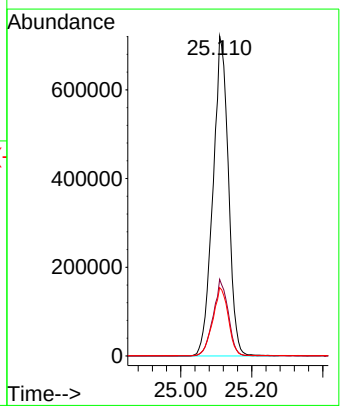
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

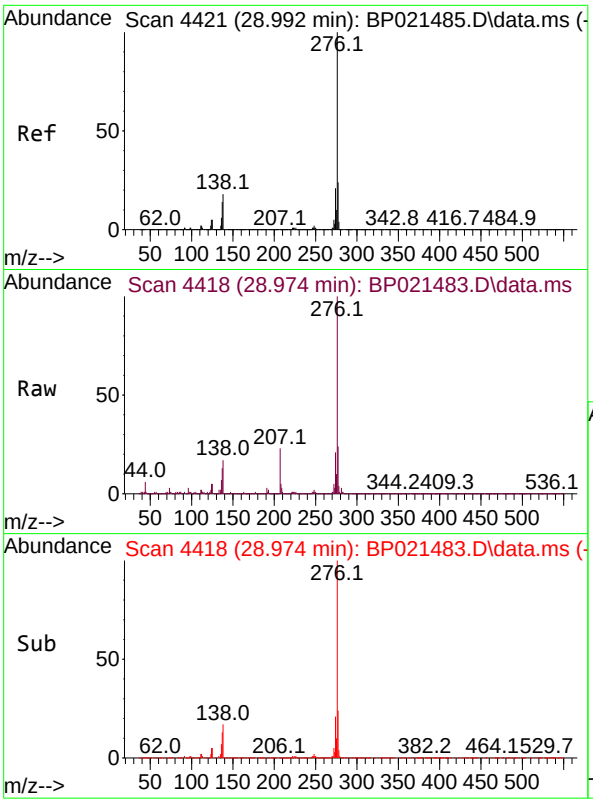


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.110 min Scan# 3761
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:264 Resp: 2172035

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.3	17.1	25.7

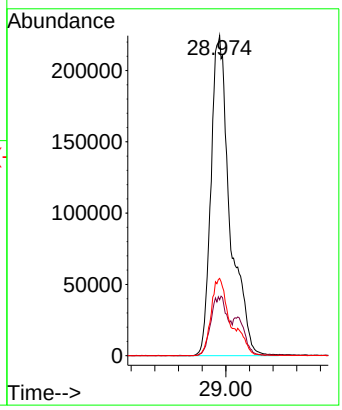




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.917 ng
RT: 28.974 min Scan# 4
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:276 Resp: 125532

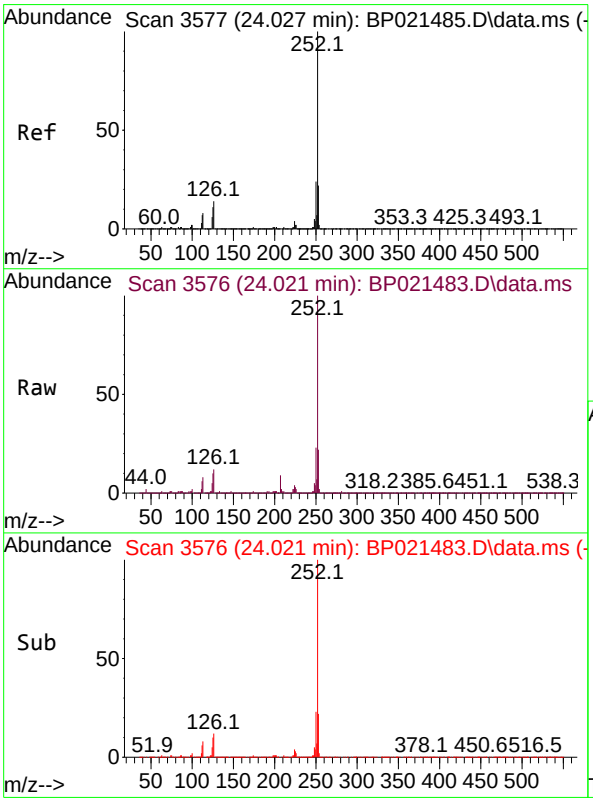
Ion	Ratio	Lower	Upper
276	100		
138	16.6	12.8	19.2
277	21.5	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

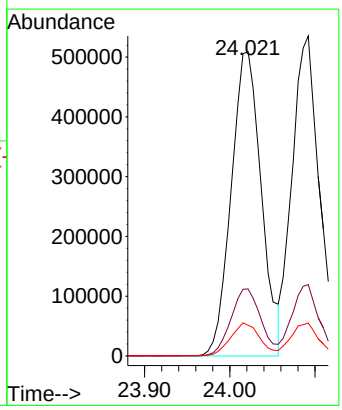
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

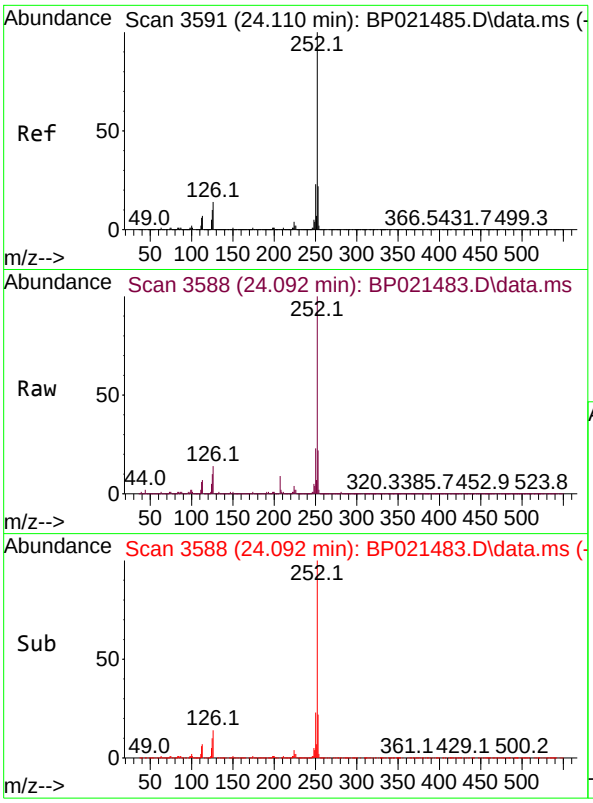


#88
Benzo(b)fluoranthene
Concen: 10.027 ng
RT: 24.021 min Scan# 3576
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:252 Resp: 1250809

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.1	8.6	13.0

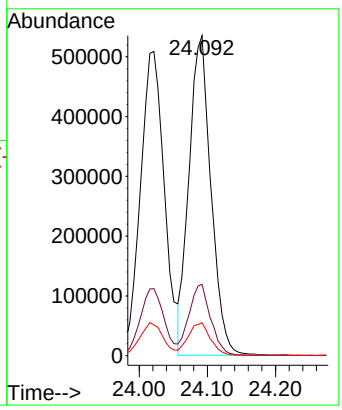




#89
Benzo(k)fluoranthene
Concen: 9.824 ng
RT: 24.092 min Scan# 3
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:252 Resp: 119542

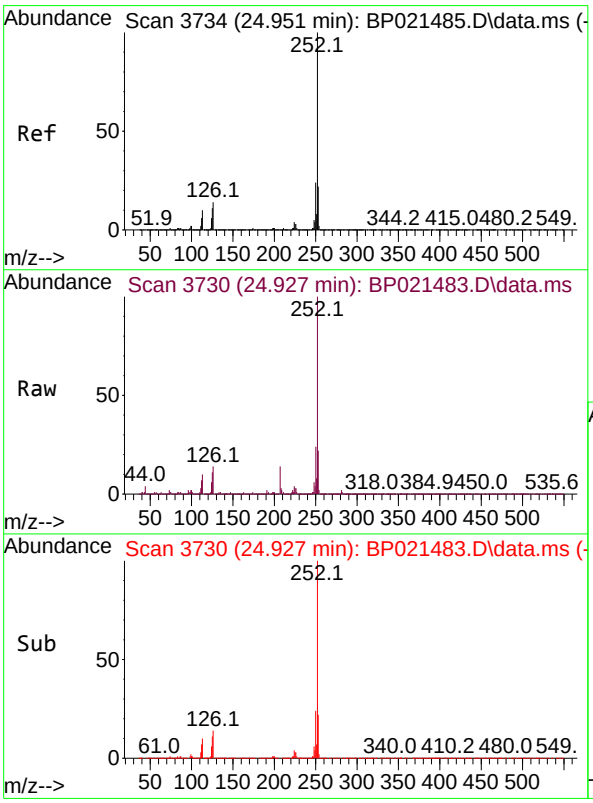
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.3	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

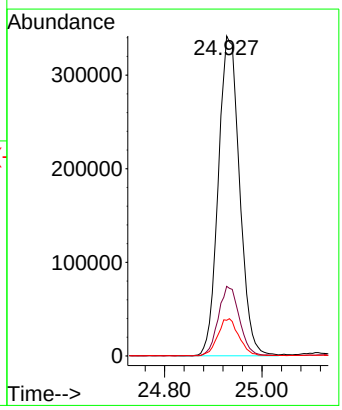
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

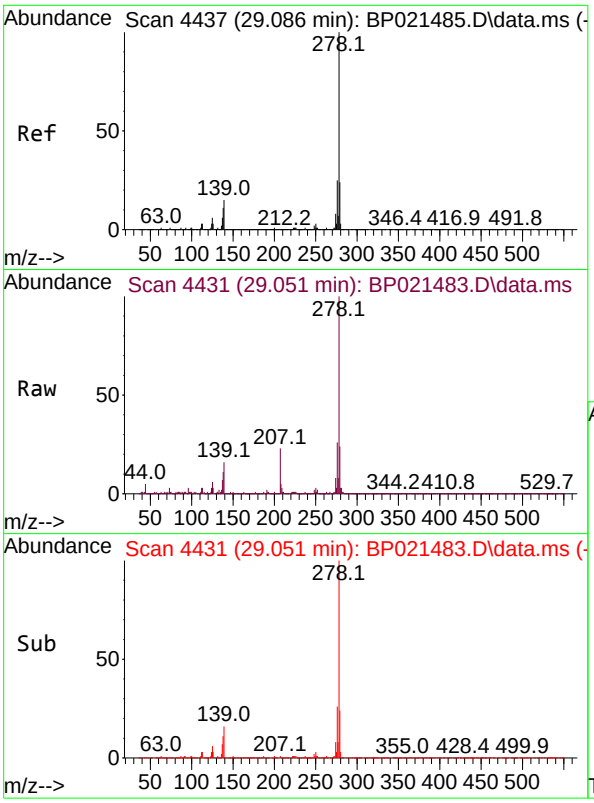


#90
Benzo(a)pyrene
Concen: 9.565 ng
RT: 24.927 min Scan# 3730
Delta R.T. -0.024 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:252 Resp: 1035462

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.2	8.7	13.1

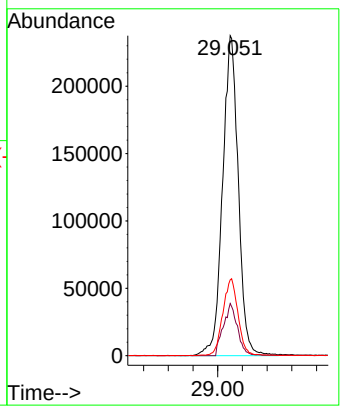




#91
Dibenzo(a,h)anthracene
Concen: 8.956 ng
RT: 29.051 min Scan# 4
Delta R.T. -0.035 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:278 Resp: 104769

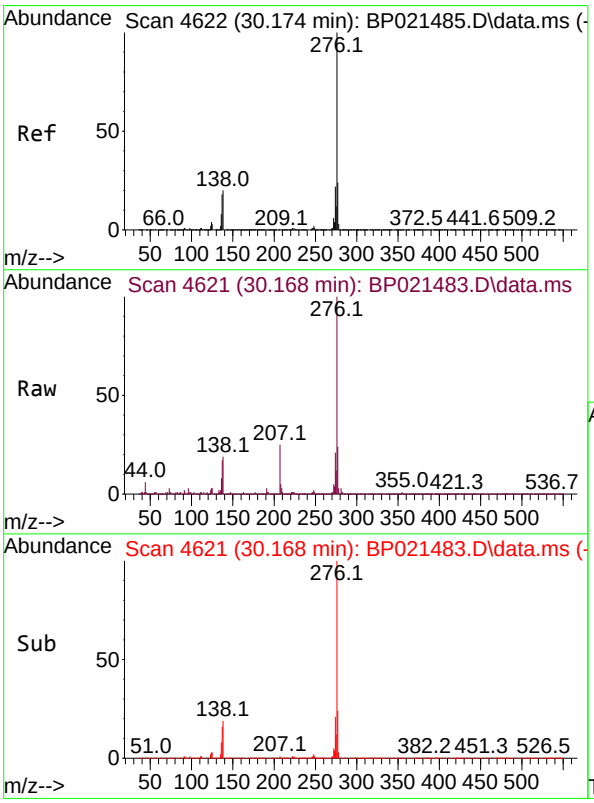
Ion	Ratio	Lower	Upper
278	100		
139	16.3	12.2	18.4
279	23.7	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

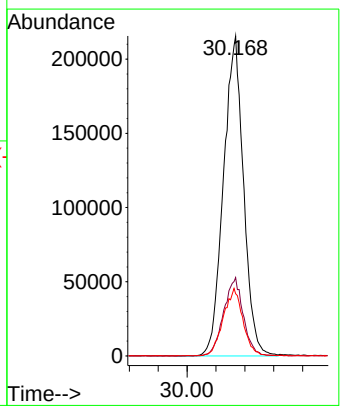
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 8.847 ng
RT: 30.168 min Scan# 4621
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Tgt Ion:276 Resp: 1037272

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.6
138	19.4	16.0	24.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021484.D
Acq On : 13 Aug 2024 14:42
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 13 23:51:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	325874	20.000	ng		0.00
21) Naphthalene-d8	10.593	136	1390587	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	947946	20.000	ng		0.00
64) Phenanthrene-d10	17.251	188	2036378	20.000	ng		0.00
76) Chrysene-d12	21.704	240	2051361	20.000	ng		0.00
86) Perylene-d12	25.110	264	2332049	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	915778	41.728	ng		0.00
7) Phenol-d6	6.958	99	1343954	41.979	ng		0.00
23) Nitrobenzene-d5	8.952	82	1073821	39.857	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	421534	39.955	ng		0.00
45) 2-Fluorobiphenyl	13.063	172	2531601	40.758	ng		0.00
79) Terphenyl-d14	19.975	244	4240552	40.160	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.317	88	221781	21.313	ng		98
3) Pyridine	3.705	79	623899	21.477	ng		99
4) n-Nitrosodimethylamine	3.617	42	185073	21.196	ng		96
6) Aniline	7.128	93	669123	20.906	ng		99
8) 2-Chlorophenol	7.369	128	420713	20.744	ng		98
9) Benzaldehyde	6.946	77	459162	22.400	ng		100
10) Phenol	6.987	94	696832	21.019	ng		99
11) bis(2-Chloroethyl)ether	7.228	93	582174	20.753	ng		98
12) 1,3-Dichlorobenzene	7.699	146	503772	20.912	ng		99
13) 1,4-Dichlorobenzene	7.840	146	506071	20.804	ng		99
14) 1,2-Dichlorobenzene	8.158	146	493188	21.038	ng		99
15) Benzyl Alcohol	8.034	79	480369	20.912	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.340	45	535190	20.717	ng		99
17) 2-Methylphenol	8.234	107	439840	20.986	ng		100
18) Hexachloroethane	8.893	117	201027	20.608	ng		98
19) n-Nitroso-di-n-propyla...	8.605	70	467087	21.121	ng		100
20) 3+4-Methylphenols	8.558	107	584839	20.695	ng		99
22) Acetophenone	8.616	105	893676	20.919	ng	#	99
24) Nitrobenzene	8.993	77	597794	20.430	ng		99
25) Isophorone	9.516	82	1322653	20.781	ng		100
26) 2-Nitrophenol	9.705	139	105219	20.765	ng		97
27) 2,4-Dimethylphenol	9.758	122	322640	20.541	ng		98
28) bis(2-Chloroethoxy)met...	9.999	93	795422	20.473	ng		99
29) 2,4-Dichlorophenol	10.234	162	375130	20.213	ng		98
30) 1,2,4-Trichlorobenzene	10.458	180	482172	20.265	ng		98
31) Naphthalene	10.646	128	1492878	20.550	ng		100
32) Benzoic acid	9.840	122	144329	19.969	ng		95
33) 4-Chloroaniline	10.734	127	564170	20.675	ng		99
34) Hexachlorobutadiene	10.946	225	302459	20.189	ng		98
35) Caprolactam	11.481	113	163665	21.189	ng		98
36) 4-Chloro-3-methylphenol	11.857	107	531060	20.628	ng		99
37) 2-Methylnaphthalene	12.257	142	1015274	20.478	ng		100
38) 1-Methylnaphthalene	12.475	142	1008222	20.619	ng		100
40) 1,2,4,5-Tetrachloroben...	12.628	216	561317	20.209	ng		99
41) Hexachlorocyclopentadiene	12.616	237	164693	18.709	ng		99
43) 2,4,6-Trichlorophenol	12.863	196	301820	19.562	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021484.D
Acq On : 13 Aug 2024 14:42
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:51:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	341066	19.897	ng		99
46) 1,1'-Biphenyl	13.281	154	1359024	20.263	ng		99
47) 2-Chloronaphthalene	13.322	162	1058999	20.282	ng		99
48) 2-Nitroaniline	13.504	65	218570	18.481	ng		97
49) Acenaphthylene	14.169	152	1571109	20.468	ng		100
50) Dimethylphthalate	13.904	163	1297733	20.442	ng		99
51) 2,6-Dinitrotoluene	14.016	165	215611	19.423	ng		93
52) Acenaphthene	14.516	154	1018510	20.223	ng		100
53) 3-Nitroaniline	14.346	138	209499	19.232	ng	#	91
54) 2,4-Dinitrophenol	14.540	184	49171	19.714	ng	#	74
55) Dibenzofuran	14.851	168	1589415	20.515	ng		99
56) 4-Nitrophenol	14.634	139	167932	20.016	ng		97
57) 2,4-Dinitrotoluene	14.804	165	248400	18.676	ng		92
58) Fluorene	15.516	166	1334998	20.975	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.081	232	286326	19.679	ng		98
60) Diethylphthalate	15.293	149	1353063	20.773	ng		100
61) 4-Chlorophenyl-phenyle...	15.522	204	680988	20.699	ng		97
62) 4-Nitroaniline	15.522	138	229769	19.603	ng		92
63) Azobenzene	15.816	77	1685601	21.052	ng		99
65) 4,6-Dinitro-2-methylph...	15.581	198	79397	19.364	ng		96
66) n-Nitrosodiphenylamine	15.734	169	1118083	20.488	ng		100
67) 4-Bromophenyl-phenylether	16.434	248	432165	20.052	ng		99
68) Hexachlorobenzene	16.545	284	509441	20.002	ng		98
69) Atrazine	16.710	200	398442	21.266	ng		99
70) Pentachlorophenol	16.892	266	255526	18.381	ng		99
71) Phenanthrene	17.292	178	2033070	20.760	ng		99
72) Anthracene	17.398	178	1976030	20.574	ng		99
73) Carbazole	17.663	167	1916837	20.709	ng		99
74) Di-n-butylphthalate	18.269	149	2340289	20.587	ng		99
75) Fluoranthene	19.375	202	2511684	20.902	ng		100
77) Benzidine	19.575	184	924193	20.258	ng		99
78) Pyrene	19.751	202	2656705	19.814	ng		100
80) Butylbenzylphthalate	20.710	149	843482	18.934	ng		98
81) Benzo(a)anthracene	21.686	228	2648478	20.566	ng		100
82) 3,3'-Dichlorobenzidine	21.604	252	847490	20.526	ng		99
83) Chrysene	21.751	228	2472528	20.336	ng		100
84) Bis(2-ethylhexyl)phtha...	21.651	149	1520788	19.981	ng		99
85) Di-n-octyl phthalate	22.963	149	2286827	20.217	ng		99
87) Indeno(1,2,3-cd)pyrene	28.980	276	3071376m	20.320	ng		
88) Benzo(b)fluoranthene	24.033	252	2700298	20.161	ng		98
89) Benzo(k)fluoranthene	24.104	252	2620830	20.059	ng		99
90) Benzo(a)pyrene	24.951	252	2339364	20.127	ng		98
91) Dibenzo(a,h)anthracene	29.080	278	2579763	20.539	ng		99
92) Benzo(g,h,i)perylene	30.168	276	2555517	20.300	ng		100

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

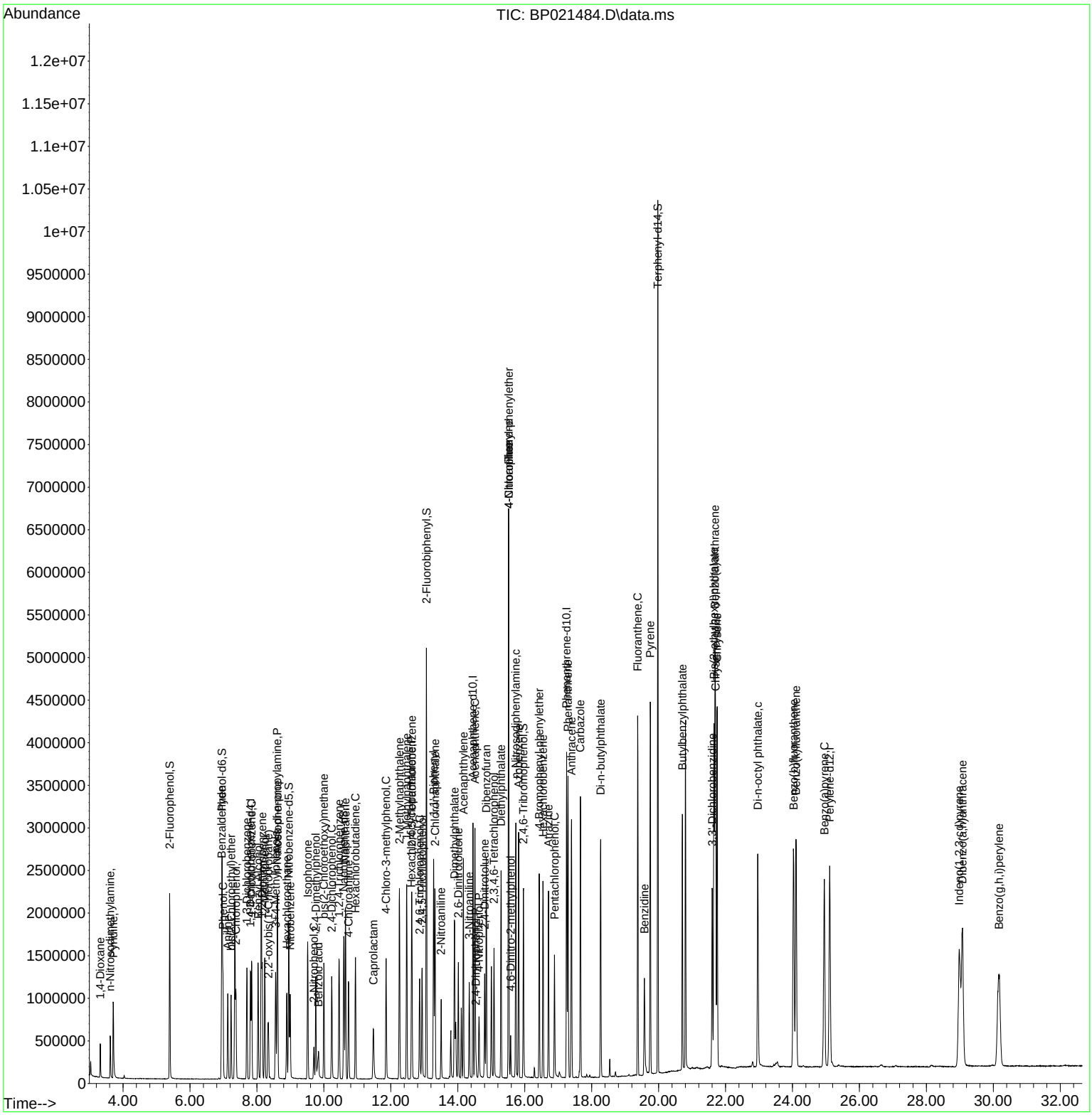
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021484.D
Acq On : 13 Aug 2024 14:42
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

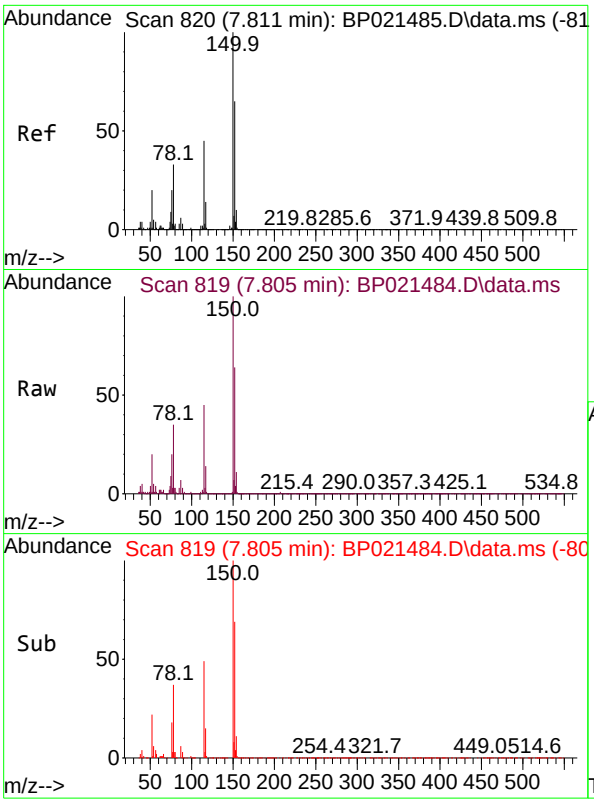
Quant Time: Aug 13 23:51:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

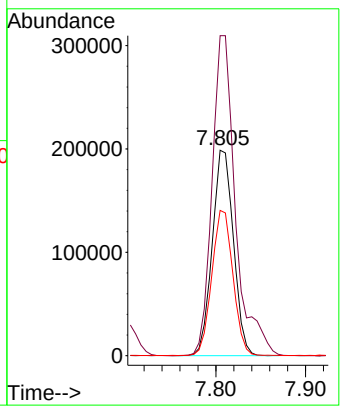




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:152 Resp: 32587

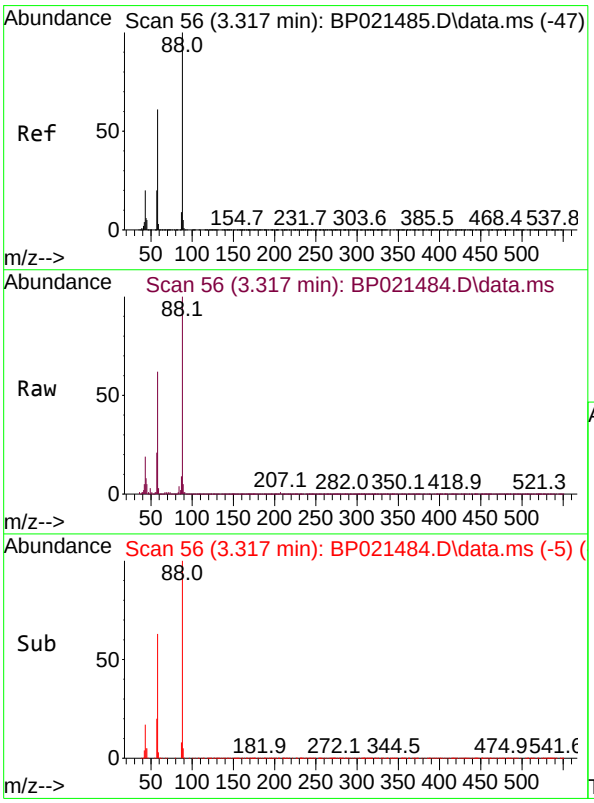
Ion	Ratio	Lower	Upper
152	100		
150	155.8	122.4	183.6
115	70.7	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

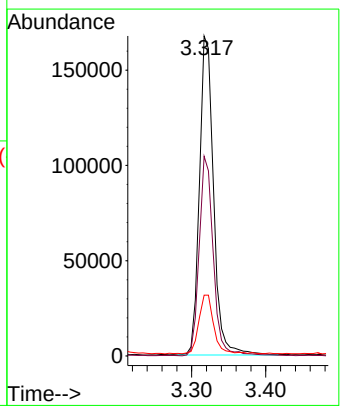
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

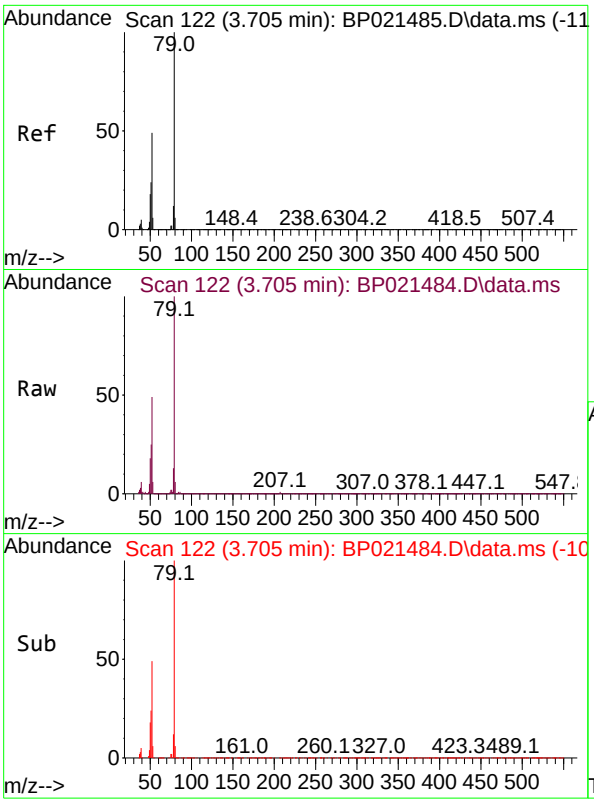


#2
1,4-Dioxane
Concen: 21.313 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 88 Resp: 221781

Ion	Ratio	Lower	Upper
88	100		
58	62.4	48.7	73.1
43	19.4	15.4	23.2

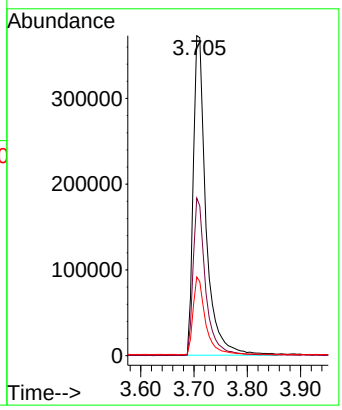




#3
Pyridine
Concen: 21.477 ng
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 79 Resp: 623899

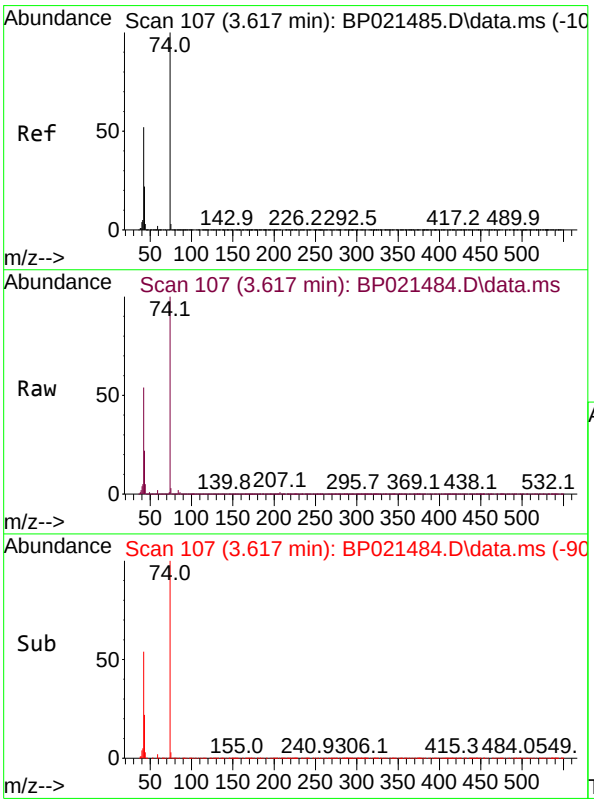
Ion	Ratio	Lower	Upper
79	100		
52	49.3	39.0	58.6
51	24.6	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

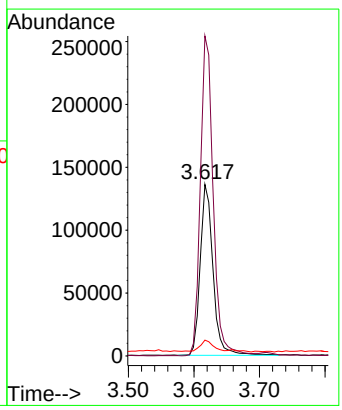
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

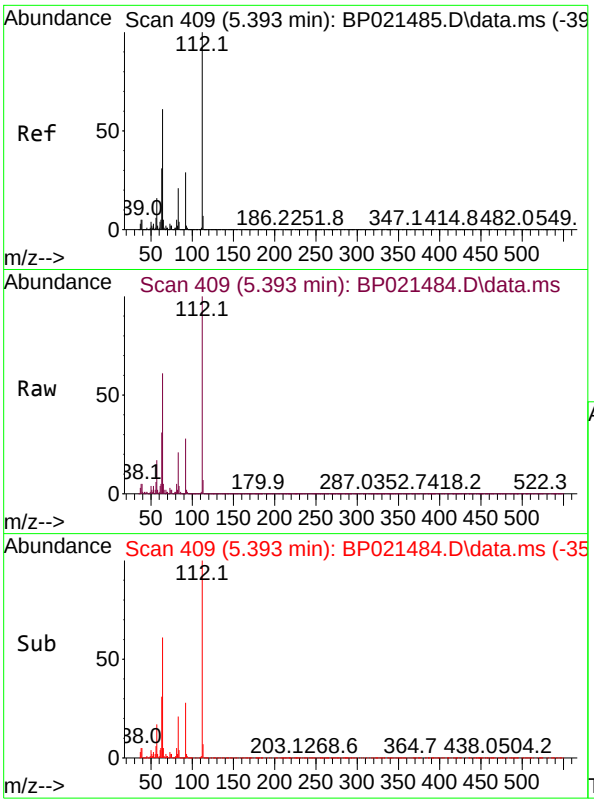


#4
n-Nitrosodimethylamine
Concen: 21.196 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 42 Resp: 185073

Ion	Ratio	Lower	Upper
42	100		
74	186.5	154.3	231.5
44	9.2	6.2	9.4

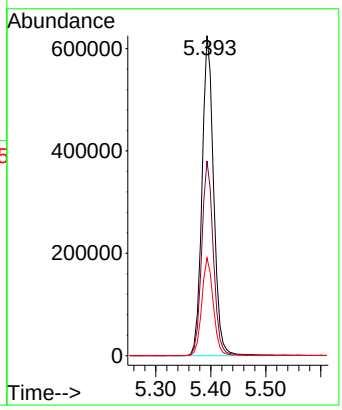




#5
2-Fluorophenol
Concen: 41.728 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:112 Resp: 91577

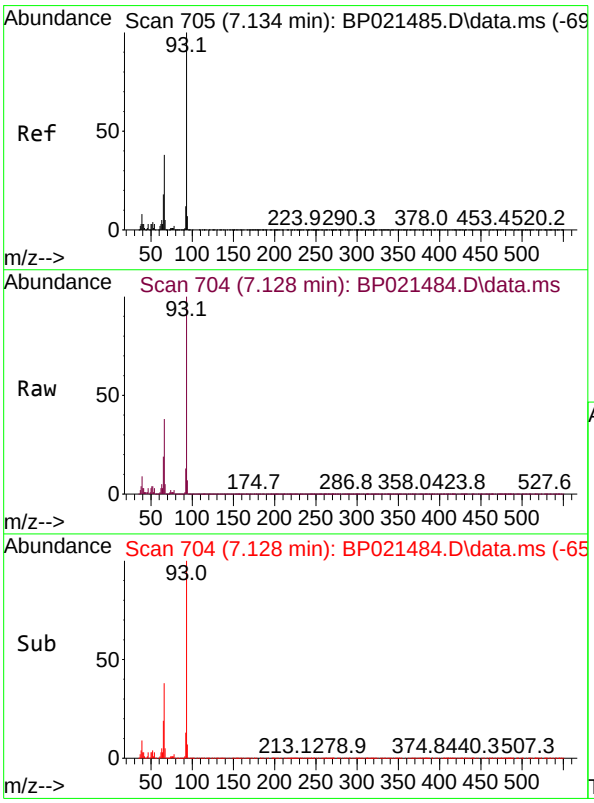
Ion	Ratio	Lower	Upper
112	100		
64	60.9	49.0	73.6
63	30.6	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

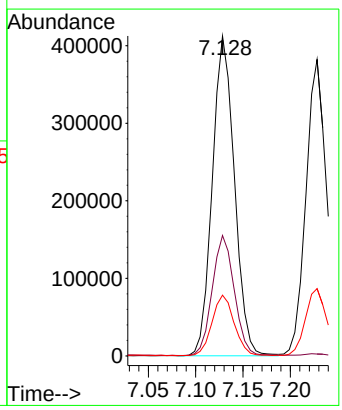
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

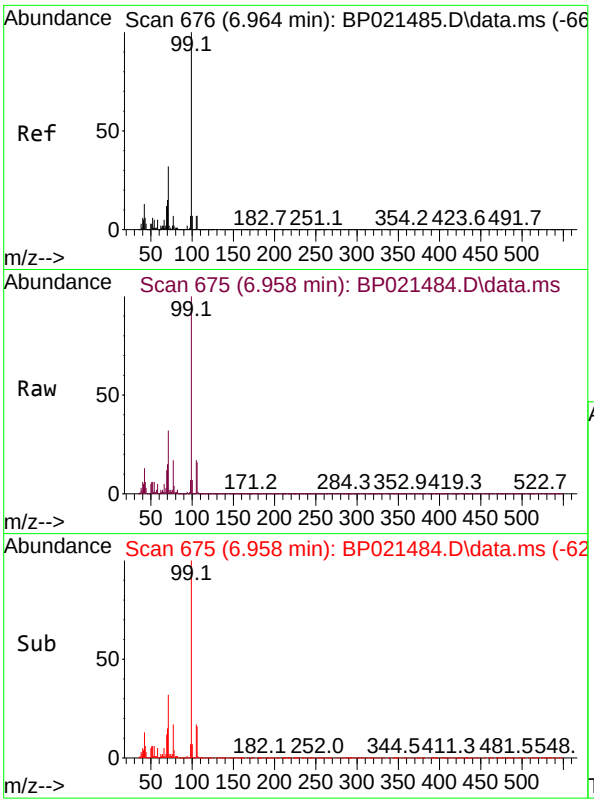


#6
Aniline
Concen: 20.906 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 93 Resp: 669123

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.2	45.2
65	19.0	14.7	22.1

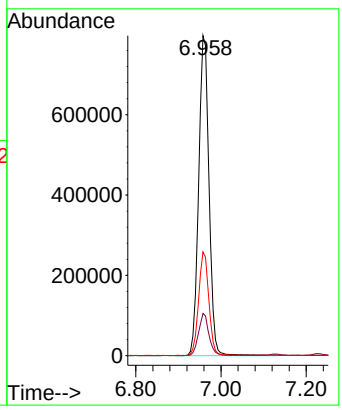




#7
Phenol-d6
Concen: 41.979 ng
RT: 6.958 min Scan# 6
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 99 Resp: 134395

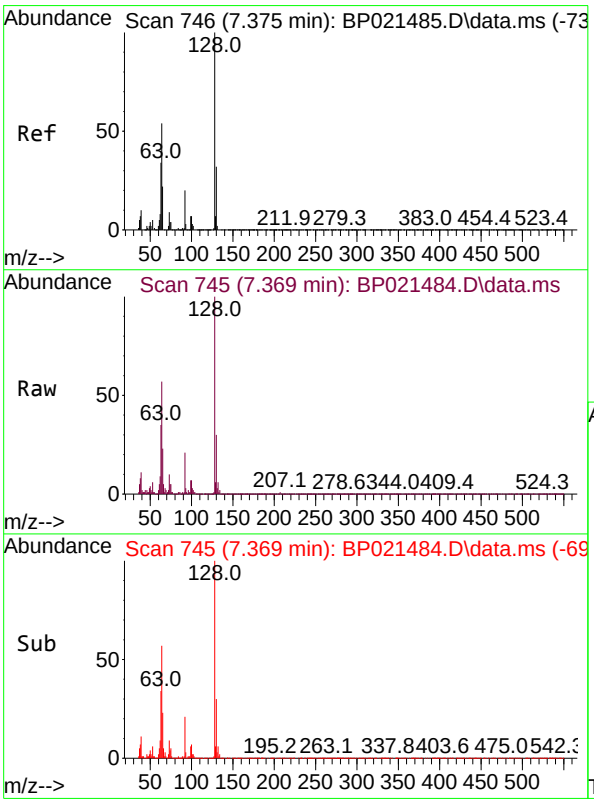
Ion	Ratio	Lower	Upper
99	100		
42	13.2	10.2	15.4
71	32.4	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

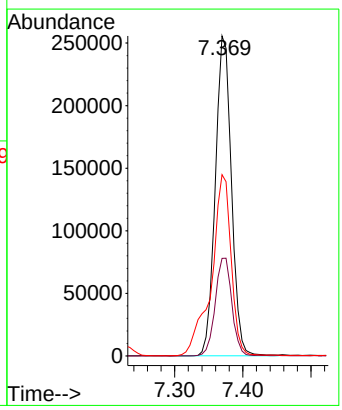
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

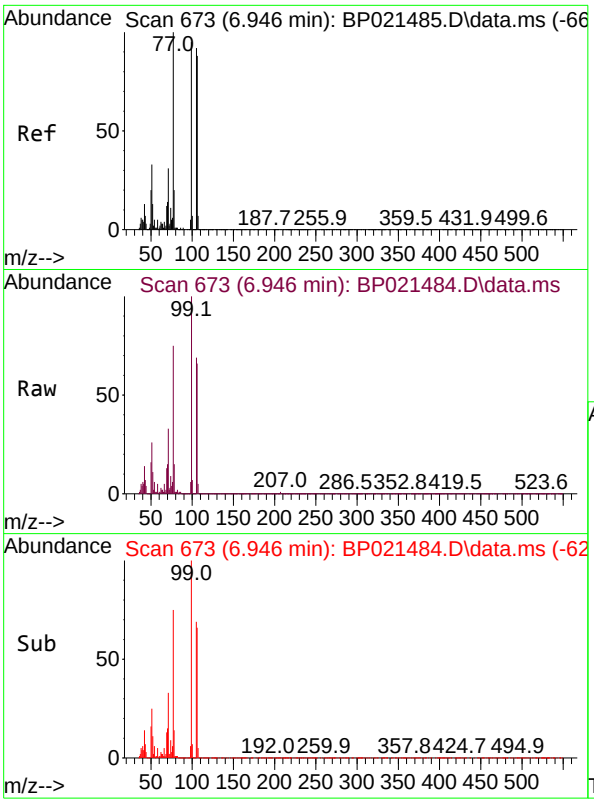


#8
2-Chlorophenol
Concen: 20.744 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:128 Resp: 420713

Ion	Ratio	Lower	Upper
128	100		
130	30.5	11.6	51.6
64	56.6	35.3	75.3

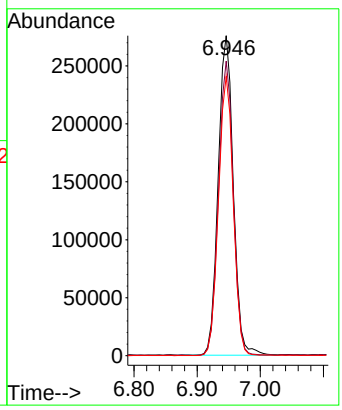




#9
Benzaldehyde
Concen: 22.400 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 77 Resp: 45916

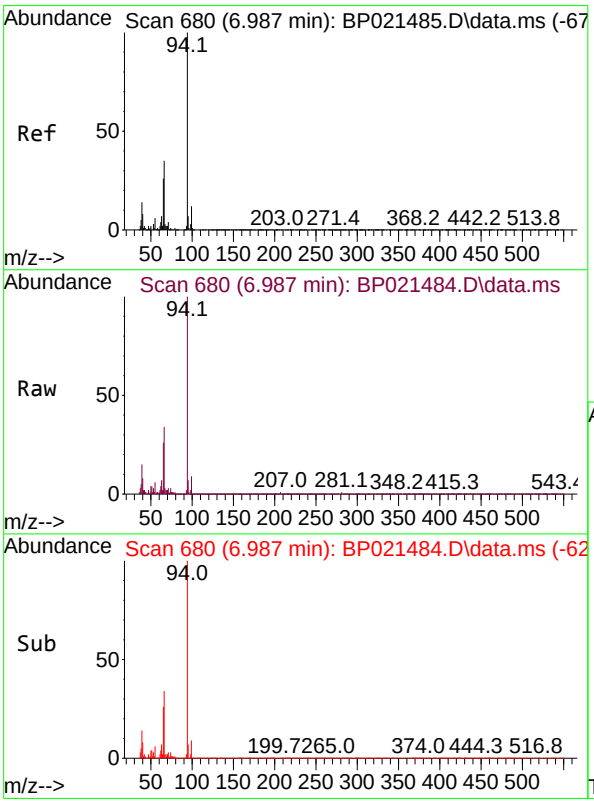
Ion	Ratio	Lower	Upper
77	100		
105	92.1	72.1	112.1
106	87.3	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

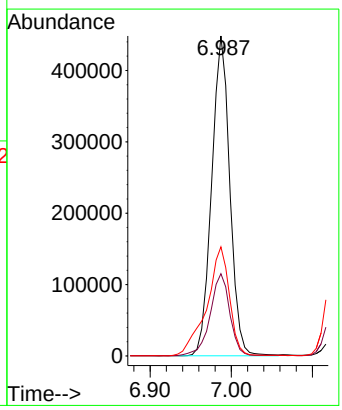
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

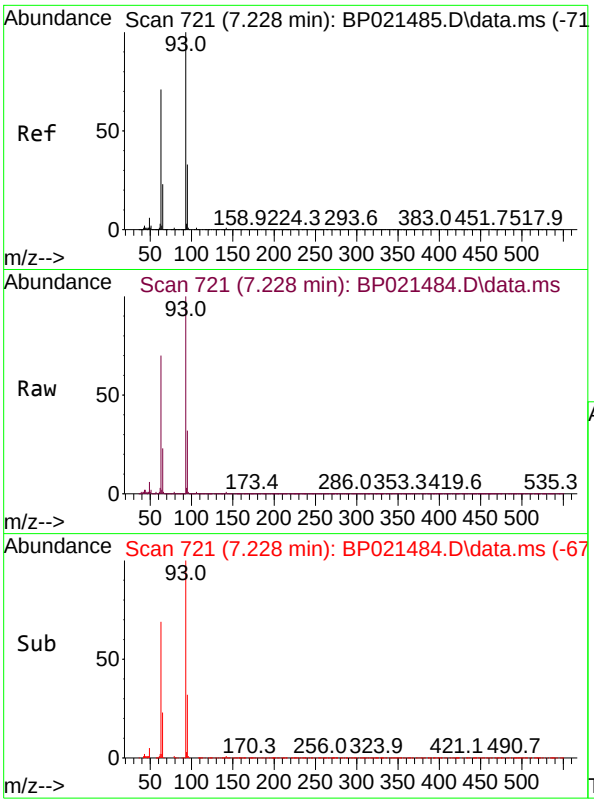


#10
Phenol
Concen: 21.019 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 94 Resp: 696832

Ion	Ratio	Lower	Upper
94	100		
65	25.7	6.5	46.5
66	34.1	14.7	54.7

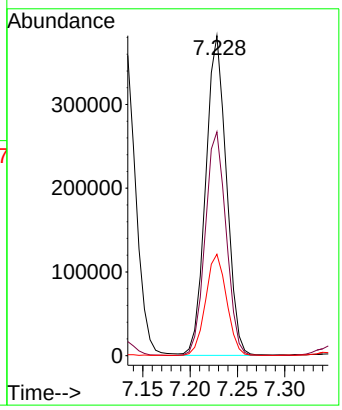




#11
bis(2-Chloroethyl)ether
Concen: 20.753 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 93 Resp: 58217

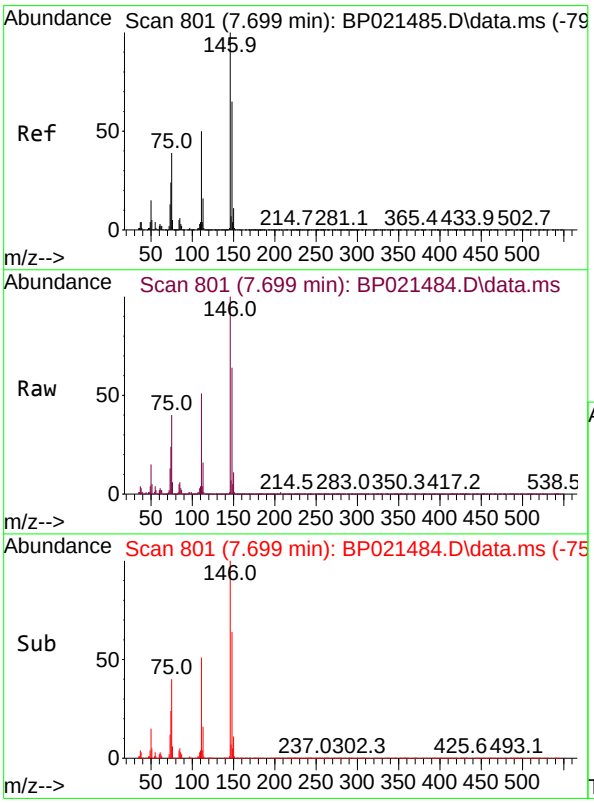
Ion	Ratio	Lower	Upper
93	100		
63	69.9	51.0	91.0
95	31.7	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

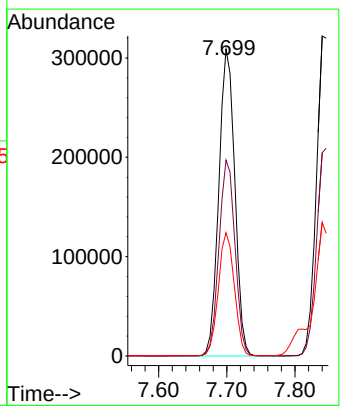
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

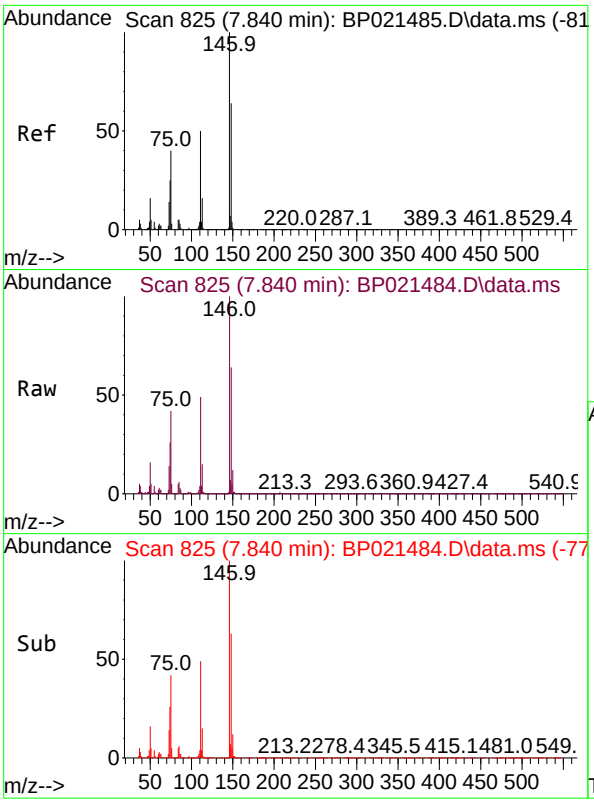


#12
1,3-Dichlorobenzene
Concen: 20.912 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:146 Resp: 503772

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
75	40.2	31.3	46.9

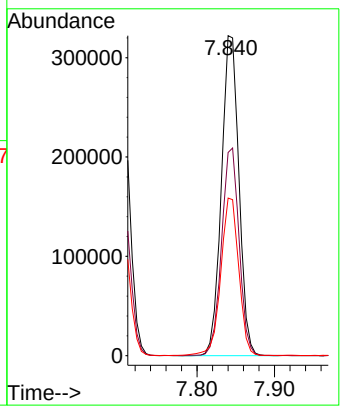




#13
1,4-Dichlorobenzene
Concen: 20.804 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:146 Resp: 50607

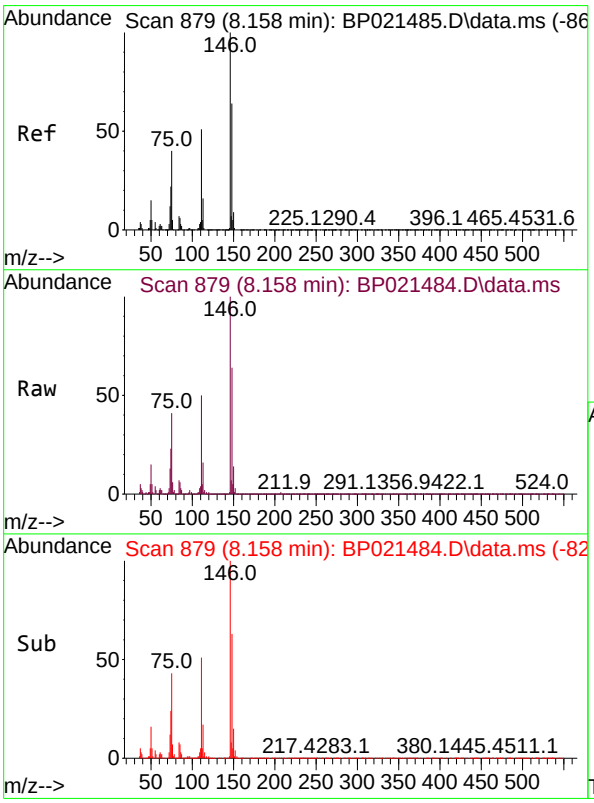
Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.5	77.3
111	49.3	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

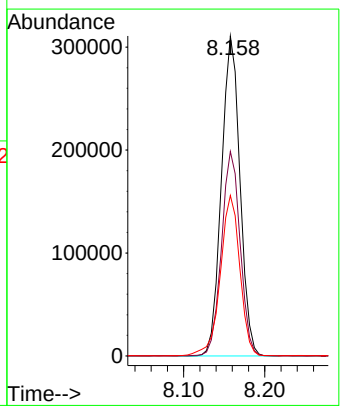
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

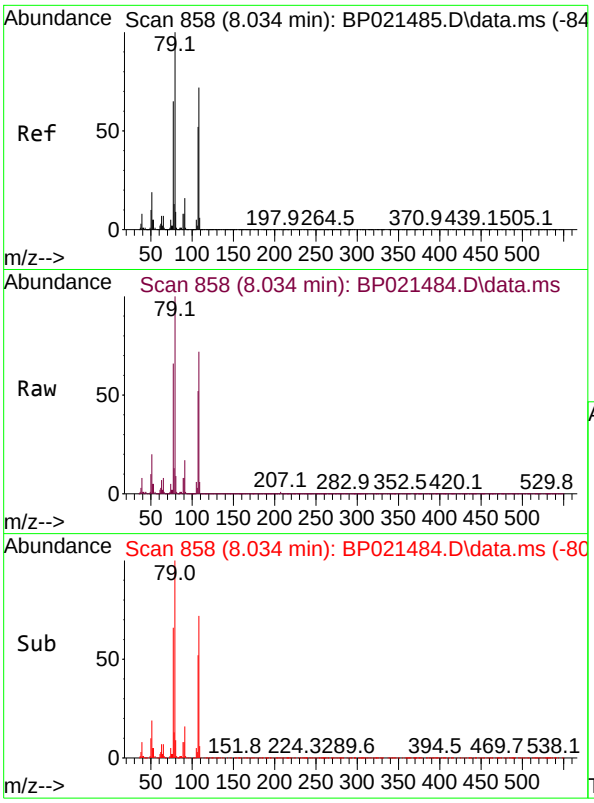


#14
1,2-Dichlorobenzene
Concen: 21.038 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:146 Resp: 493188

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.5	77.3
111	50.1	41.1	61.7

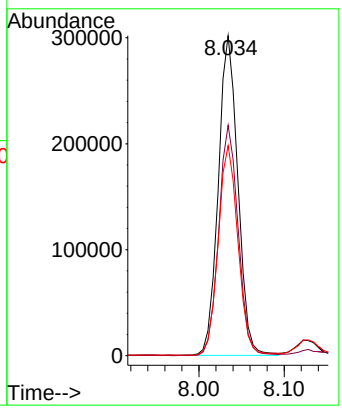




#15
Benzyl Alcohol
Concen: 20.912 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 79 Resp: 48036

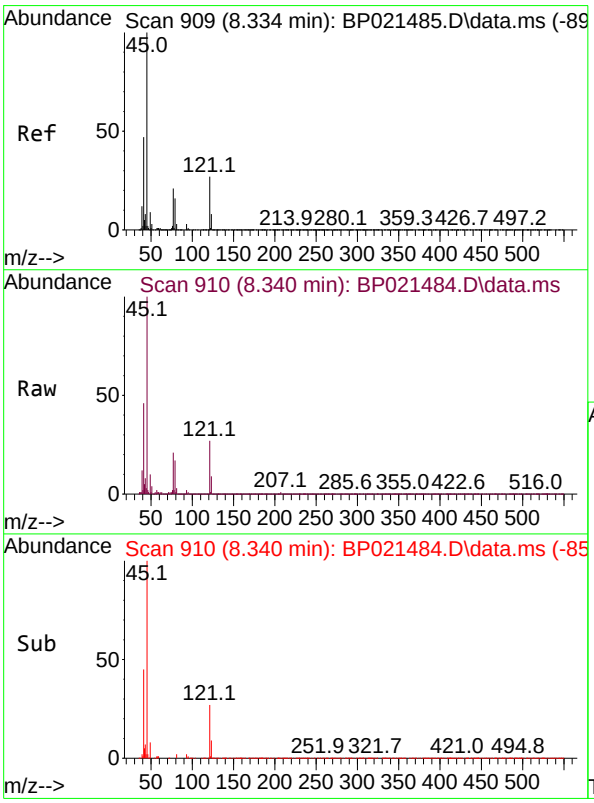
Ion	Ratio	Lower	Upper
79	100		
108	72.0	57.9	86.9
77	65.7	51.8	77.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

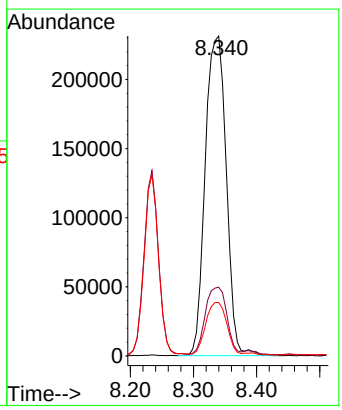
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

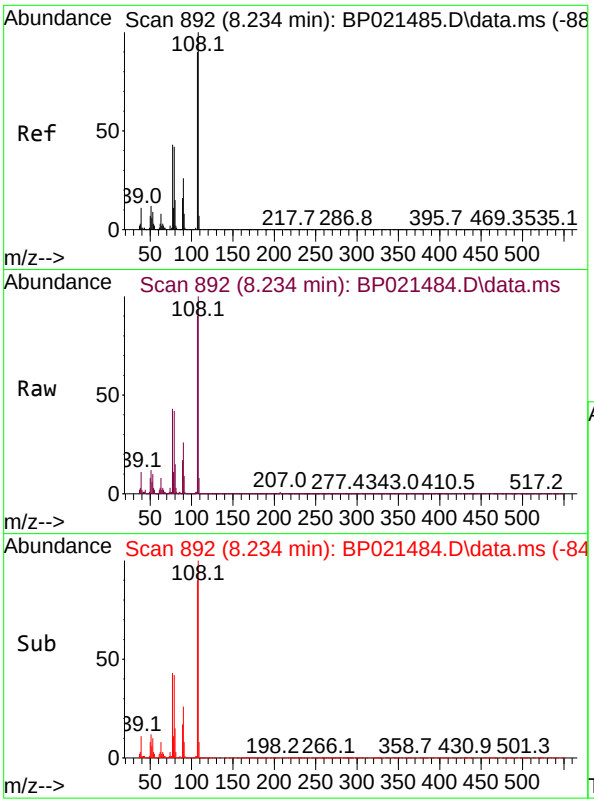


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.717 ng
RT: 8.340 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 45 Resp: 535190

Ion	Ratio	Lower	Upper
45	100		
77	21.5	1.9	41.9
79	16.7	0.0	36.6

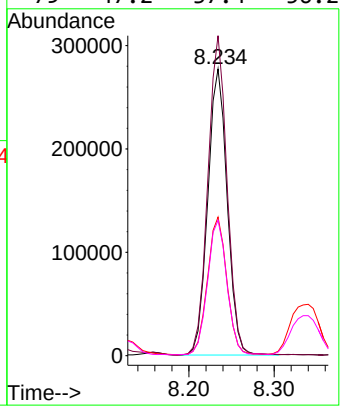




#17
2-Methylphenol
Concen: 20.986 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:107 Resp: 43984

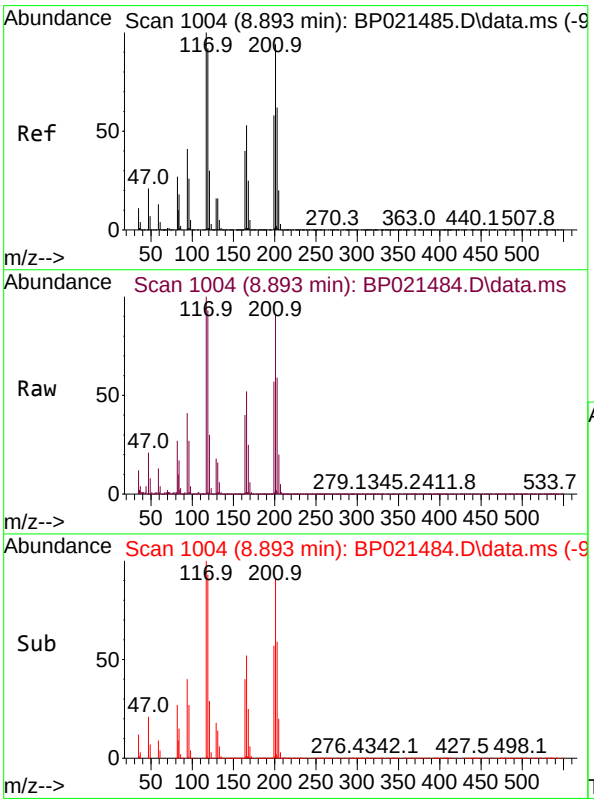
Ion	Ratio	Lower	Upper
107	100		
108	111.6	88.8	133.2
77	48.4	38.7	58.1
79	47.2	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

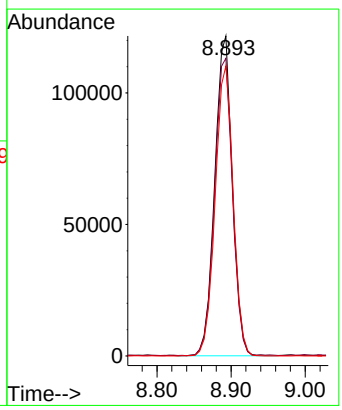
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

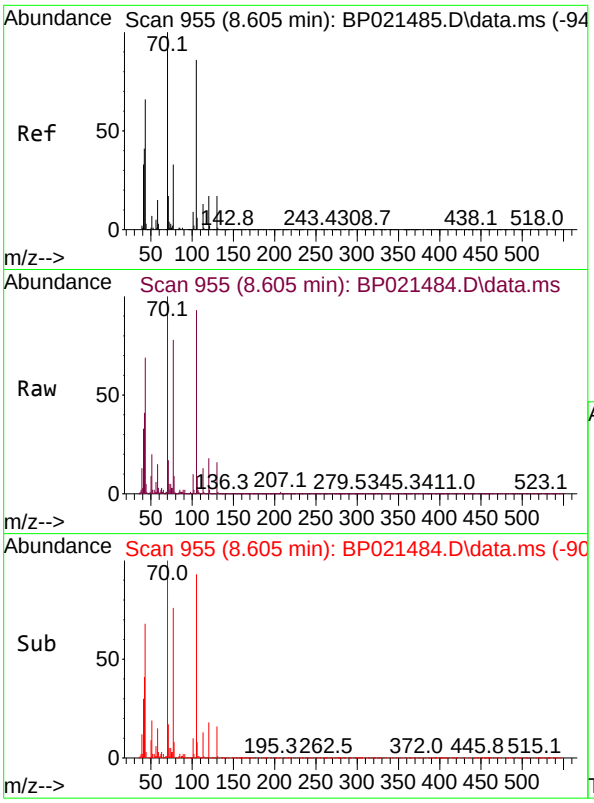


#18
Hexachloroethane
Concen: 20.608 ng
RT: 8.893 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:117 Resp: 201027

Ion	Ratio	Lower	Upper
117	100		
119	93.0	73.9	110.9
201	90.6	74.9	112.3

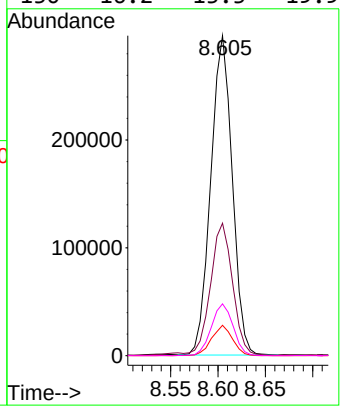




#19
n-Nitroso-di-n-propylamine
Concen: 21.121 ng
RT: 8.605 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 70 Resp: 46708

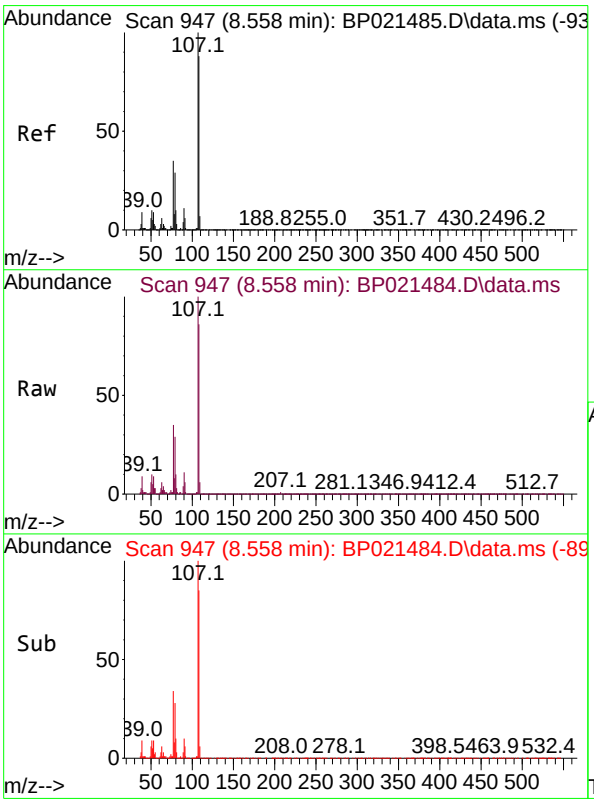
Ion	Ratio	Lower	Upper
70	100		
42	41.4	33.1	49.7
101	9.5	7.4	11.2
130	16.2	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

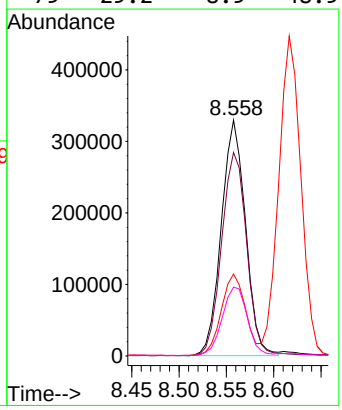
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

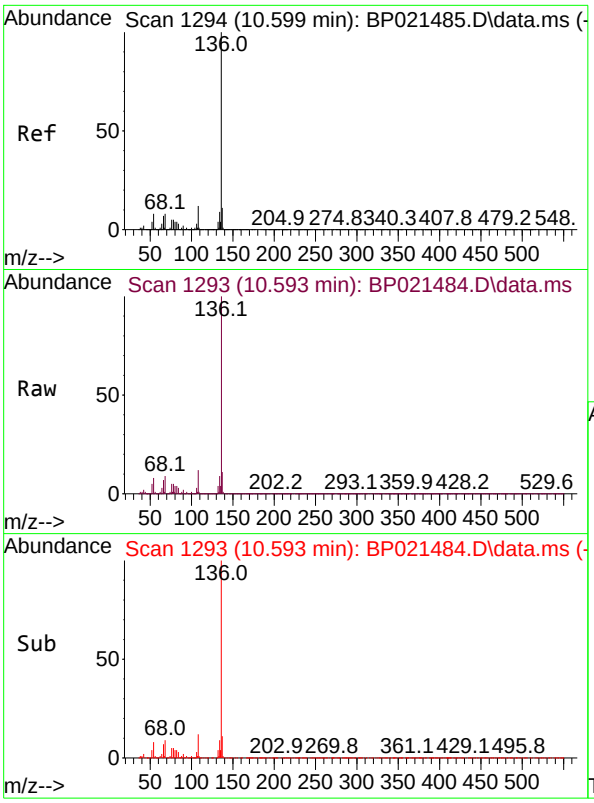


#20
3+4-Methylphenols
Concen: 20.695 ng
RT: 8.558 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:107 Resp: 584839

Ion	Ratio	Lower	Upper
107	100		
108	86.3	67.6	107.6
77	34.7	15.0	55.0
79	29.2	8.9	48.9

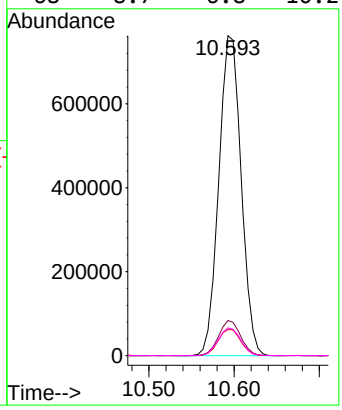




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:136 Resp: 139058

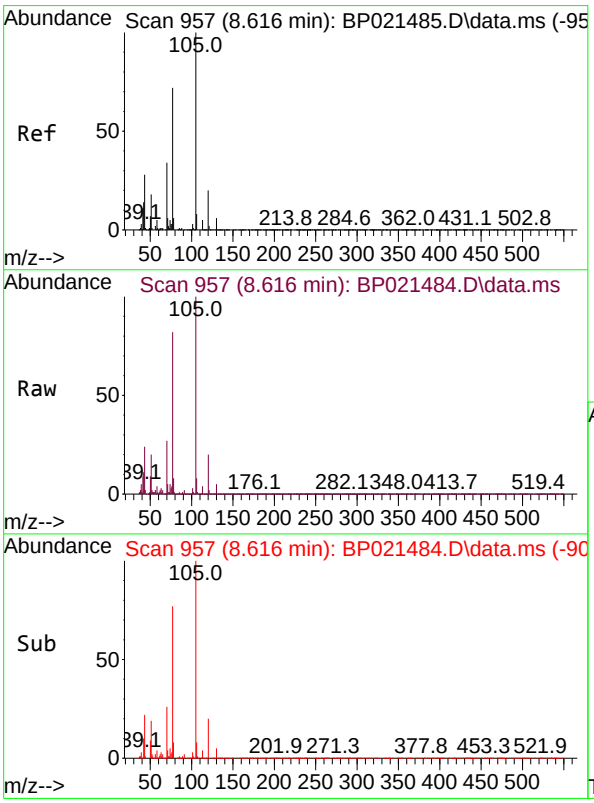
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.2	6.3	9.5
68	8.7	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

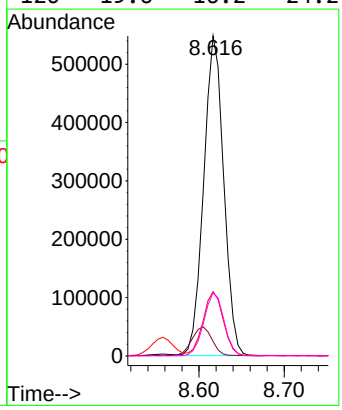
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

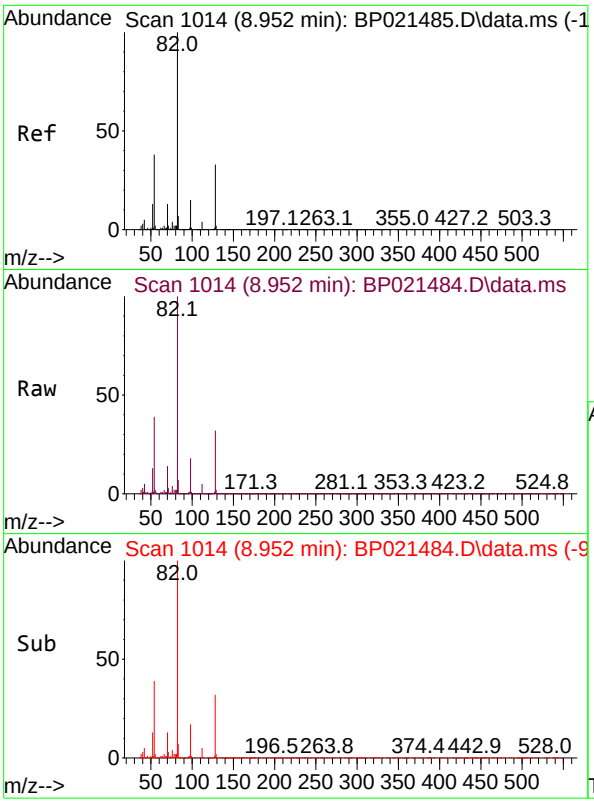


#22
Acetophenone
Concen: 20.919 ng
RT: 8.616 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:105 Resp: 893676

Ion	Ratio	Lower	Upper
105	100		
71	4.6	4.6	7.0#
51	20.1	16.3	24.5
120	19.6	16.2	24.2

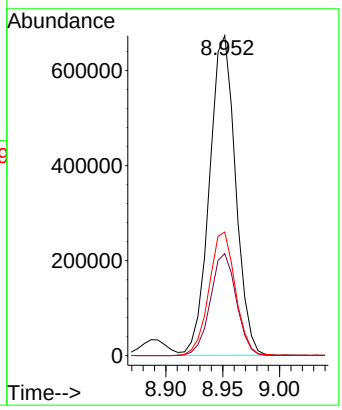




#23
Nitrobenzene-d5
Concen: 39.857 ng
RT: 8.952 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 82 Resp: 107382

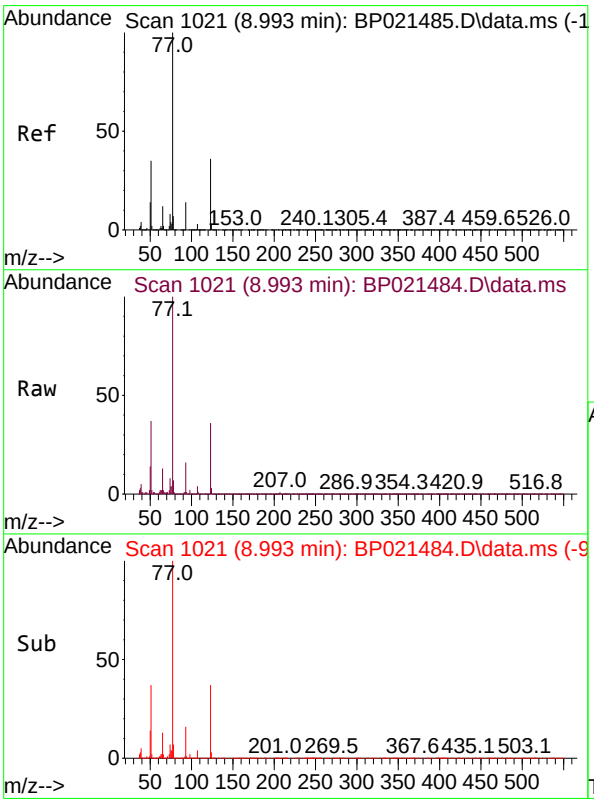
Ion	Ratio	Lower	Upper
82	100		
128	31.9	26.5	39.7
54	38.7	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

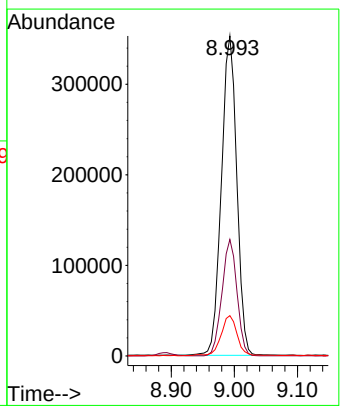
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

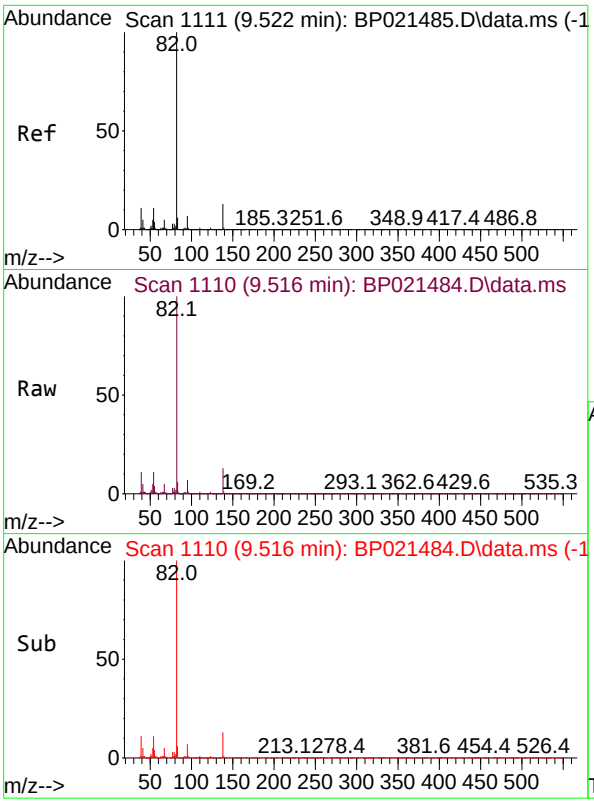


#24
Nitrobenzene
Concen: 20.430 ng
RT: 8.993 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 77 Resp: 597794

Ion	Ratio	Lower	Upper
77	100		
123	36.4	29.5	44.3
65	12.6	9.9	14.9





#25
Isophorone
Concen: 20.781 ng
RT: 9.516 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

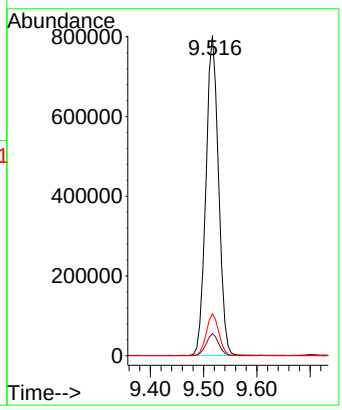
Tgt Ion: 82 Resp: 132265

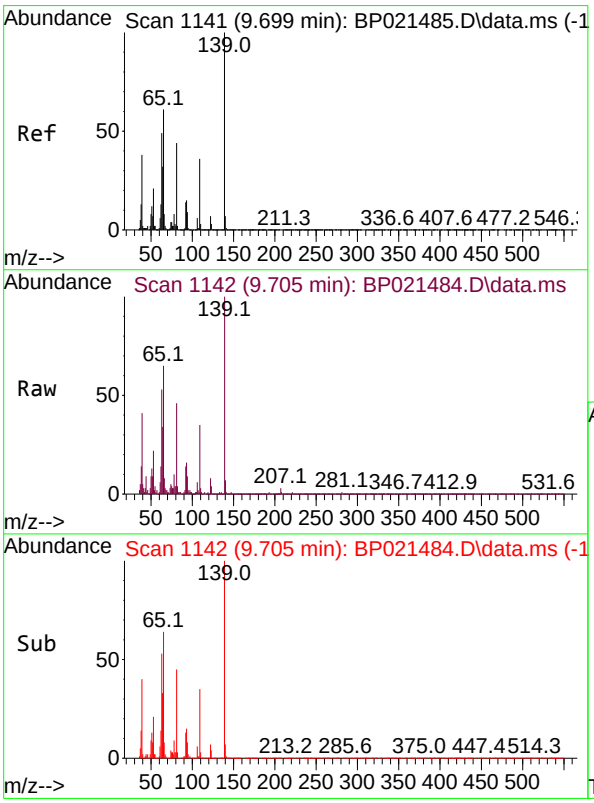
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	13.1	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

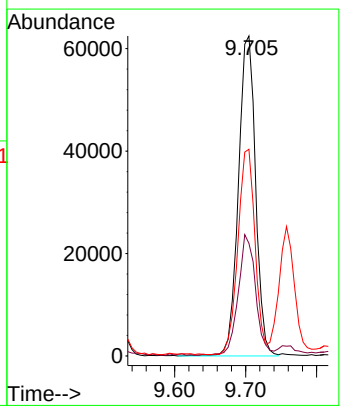


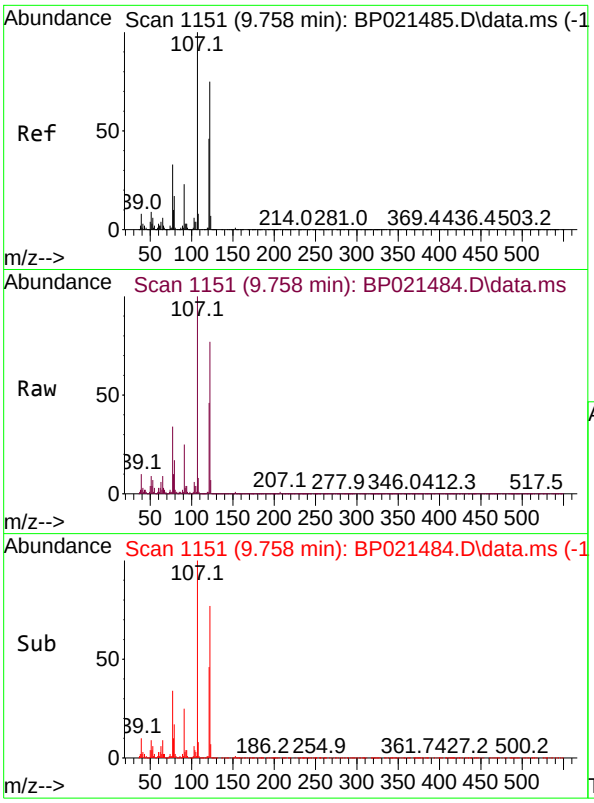


#26
2-Nitrophenol
Concen: 20.765 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:139 Resp: 105219

Ion	Ratio	Lower	Upper
139	100		
109	35.2	28.9	43.3
65	64.6	49.0	73.6





#27
2,4-Dimethylphenol
Concen: 20.541 ng
RT: 9.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

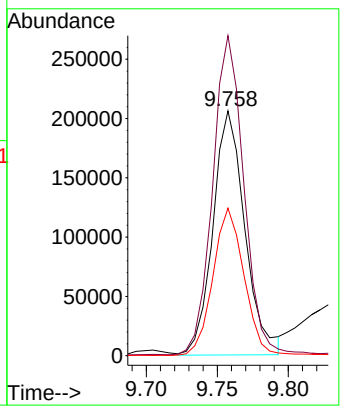
Tgt Ion:122 Resp: 32264

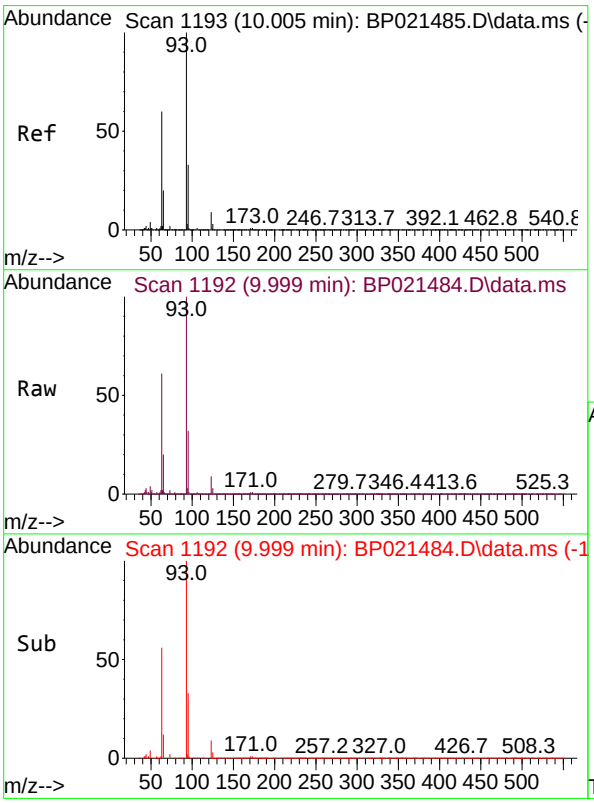
Ion	Ratio	Lower	Upper
122	100		
107	130.7	106.2	159.4
121	60.3	48.8	73.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

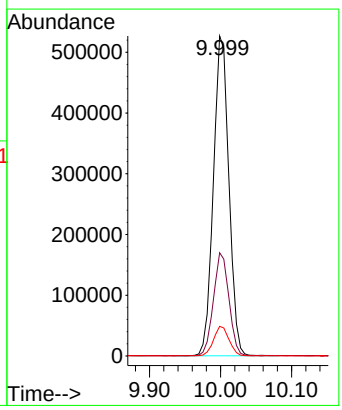


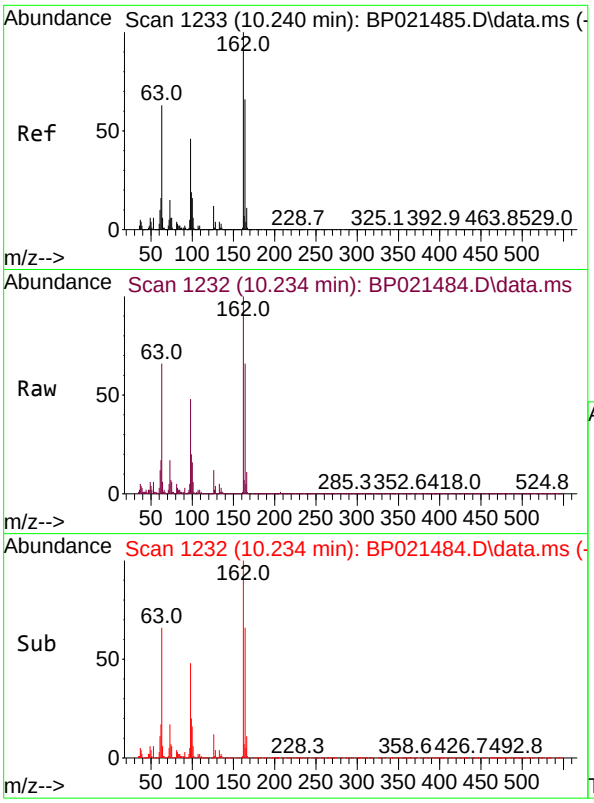


#28
bis(2-Chloroethoxy)methane
Concen: 20.473 ng
RT: 9.999 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 93 Resp: 795422

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	9.2	7.6	11.4

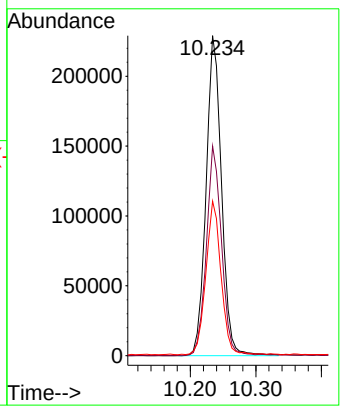




#29
2,4-Dichlorophenol
Concen: 20.213 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:162 Resp: 37513

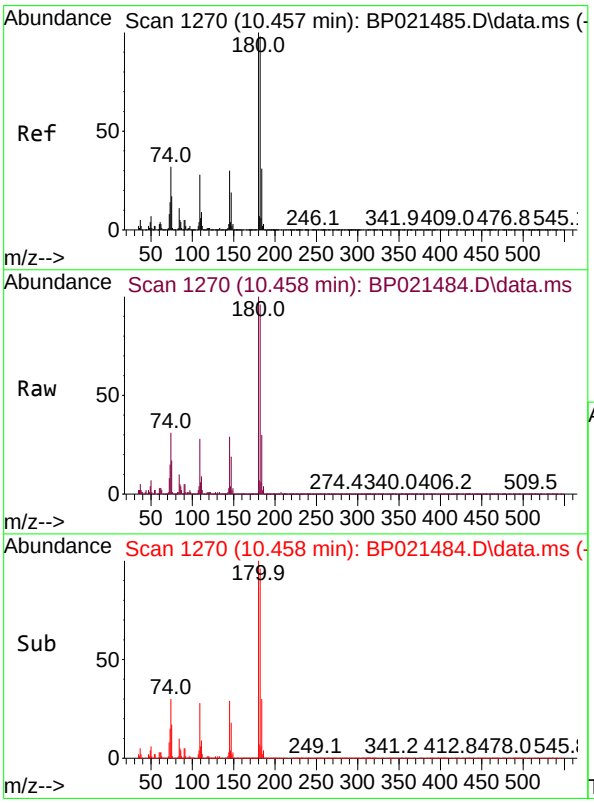
Ion	Ratio	Lower	Upper
162	100		
164	65.5	45.9	85.9
98	48.3	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

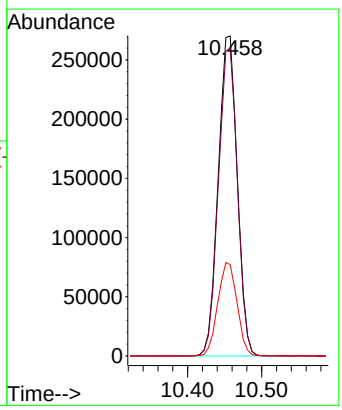
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

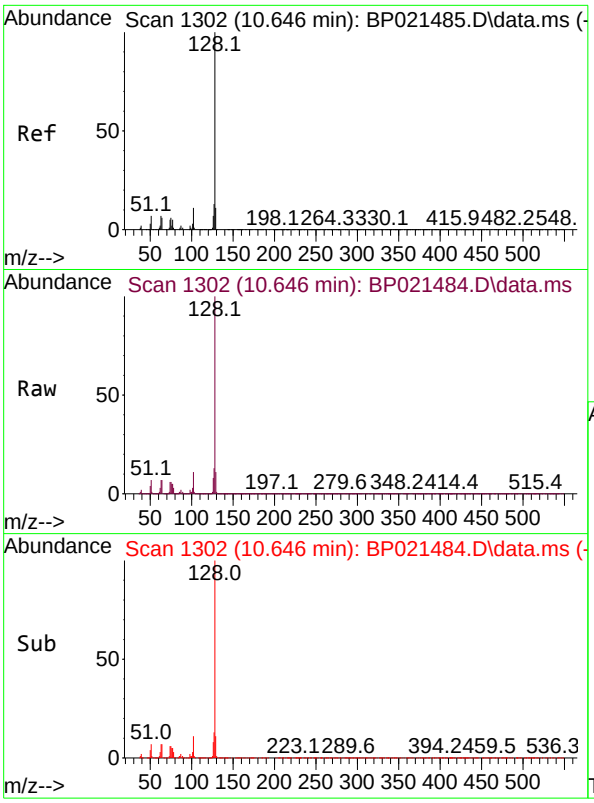


#30
1,2,4-Trichlorobenzene
Concen: 20.265 ng
RT: 10.458 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:180 Resp: 482172

Ion	Ratio	Lower	Upper
180	100		
182	96.0	78.3	117.5
145	28.6	24.0	36.0

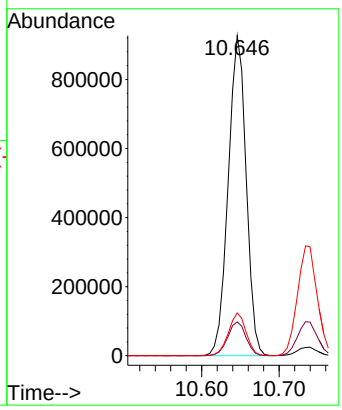




#31
Naphthalene
Concen: 20.550 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:128 Resp: 149287

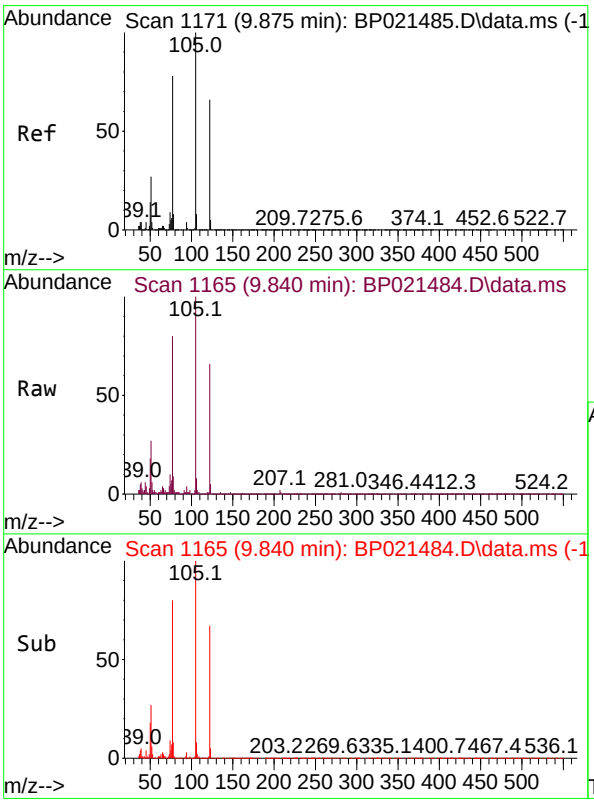
Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	12.8
127	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

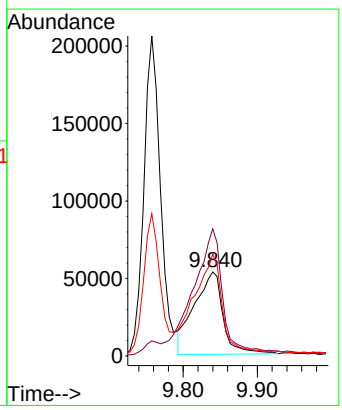
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

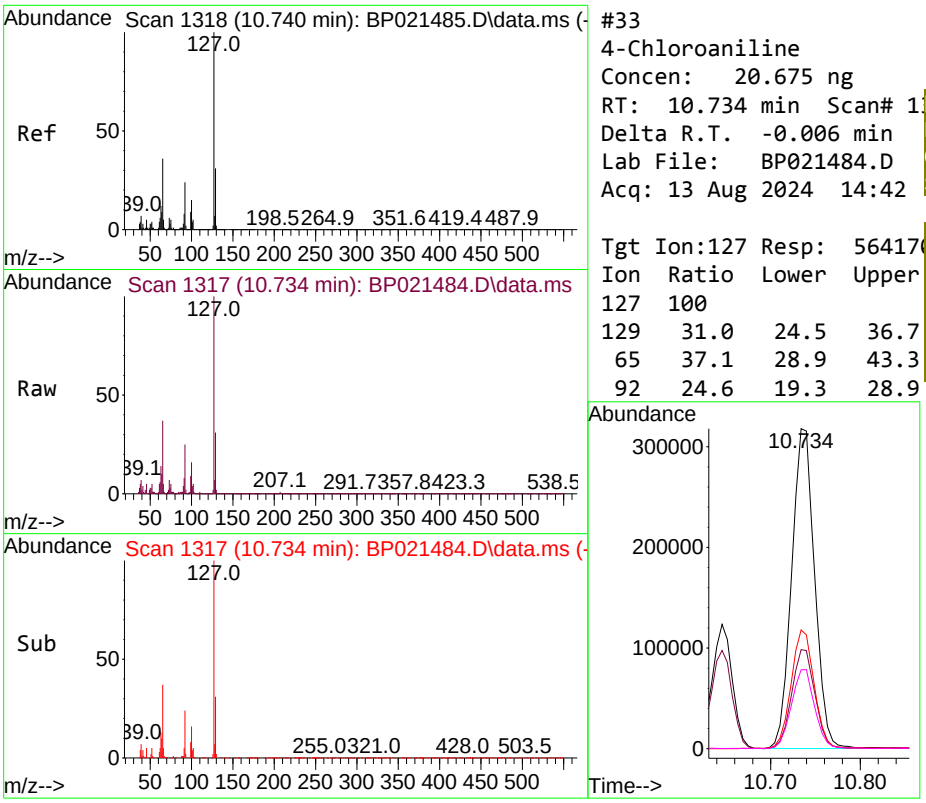


#32
Benzoic acid
Concen: 19.969 ng
RT: 9.840 min Scan# 1165
Delta R.T. -0.035 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:122 Resp: 144329

Ion	Ratio	Lower	Upper
122	100		
105	151.1	124.6	164.6
77	121.0	96.2	136.2





#33
4-Chloroaniline
Concen: 20.675 ng
RT: 10.734 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

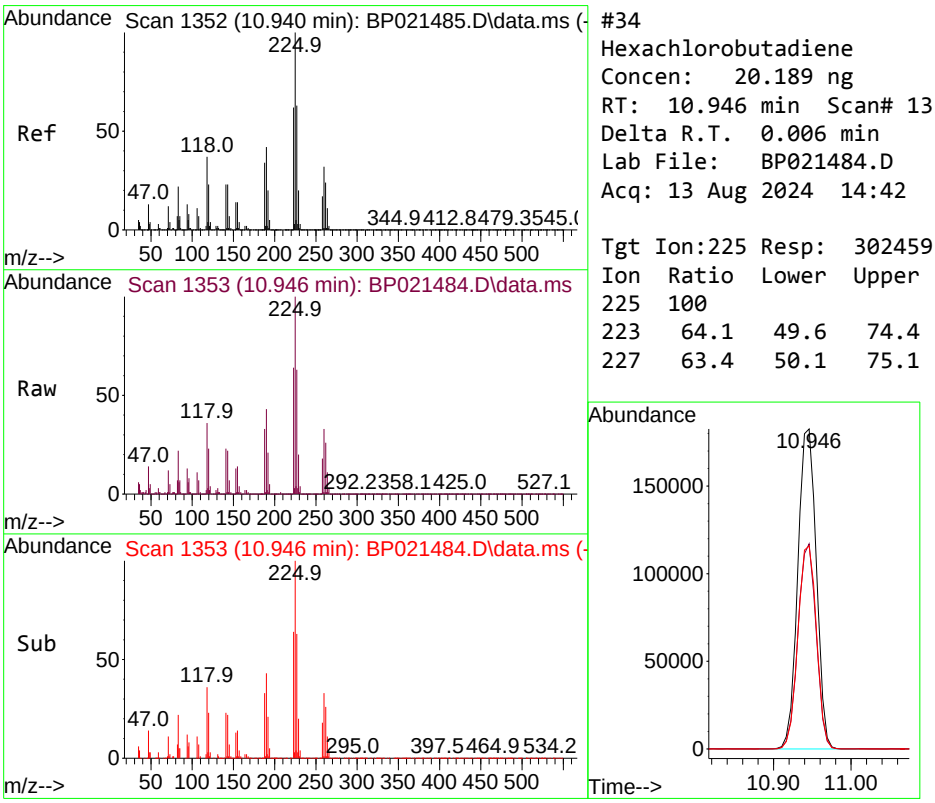
Tgt Ion:127 Resp: 56417

Ion	Ratio	Lower	Upper
127	100		
129	31.0	24.5	36.7
65	37.1	28.9	43.3
92	24.6	19.3	28.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

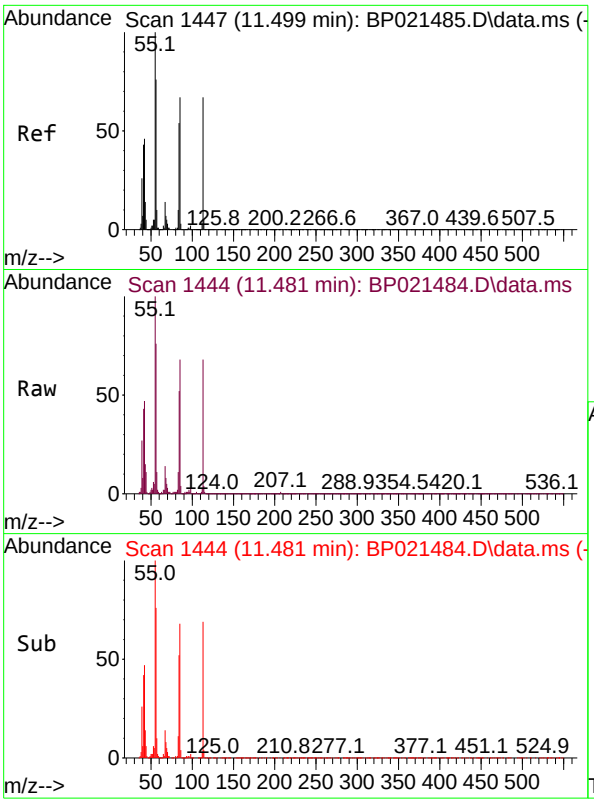
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#34
Hexachlorobutadiene
Concen: 20.189 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:225 Resp: 302459

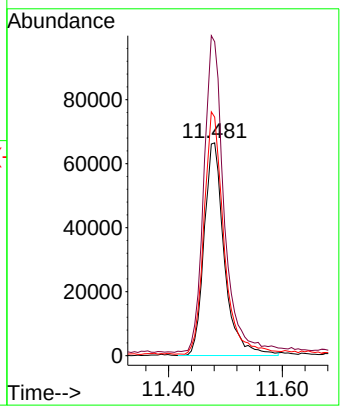
Ion	Ratio	Lower	Upper
225	100		
223	64.1	49.6	74.4
227	63.4	50.1	75.1



#35
Caprolactam
Concen: 21.189 ng
RT: 11.481 min Scan# 14
Delta R.T. -0.018 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:113 Resp: 16366

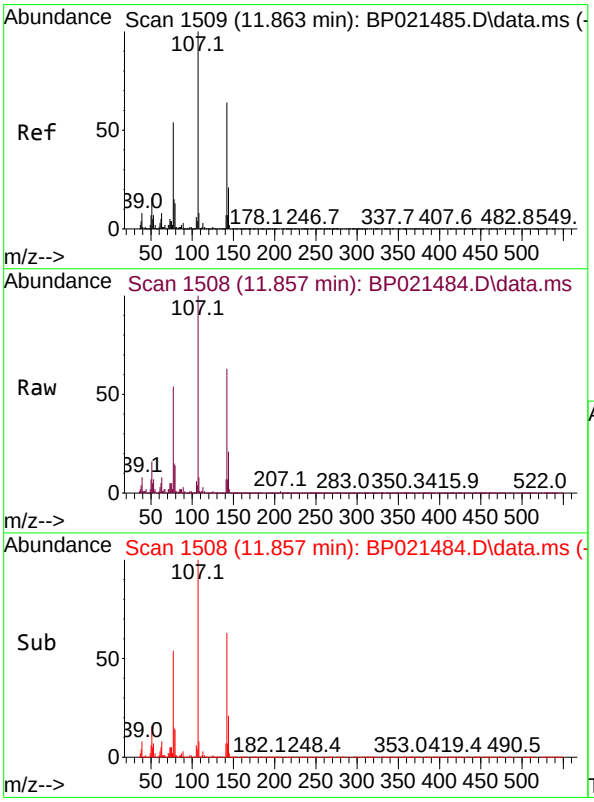
Ion	Ratio	Lower	Upper
113	100		
55	147.5	130.6	170.6
56	112.1	94.6	134.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

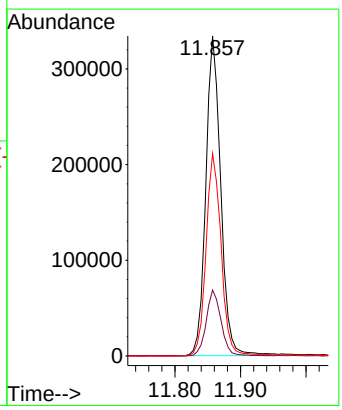
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

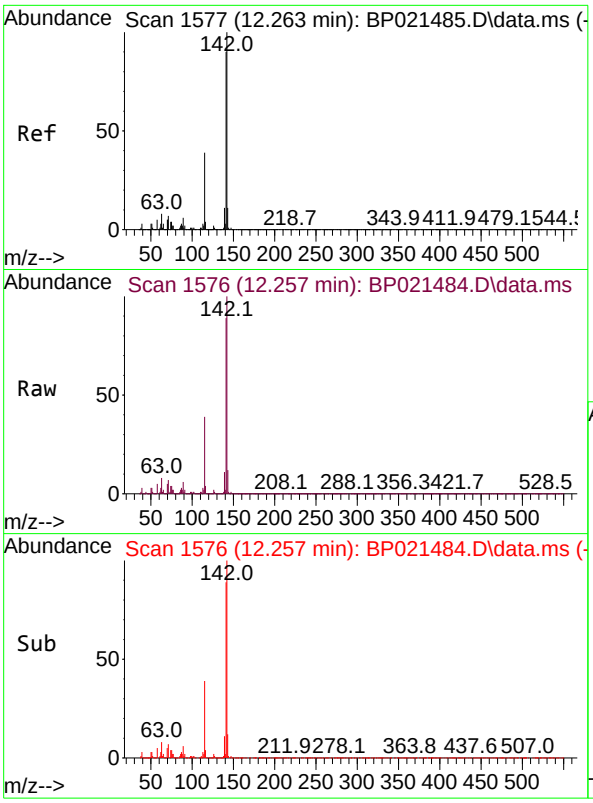


#36
4-Chloro-3-methylphenol
Concen: 20.628 ng
RT: 11.857 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:107 Resp: 531060

Ion	Ratio	Lower	Upper
107	100		
144	20.6	16.6	24.8
142	63.2	51.0	76.4

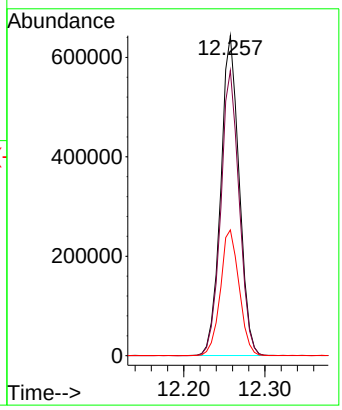




#37
2-Methylnaphthalene
Concen: 20.478 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:142 Resp: 101527

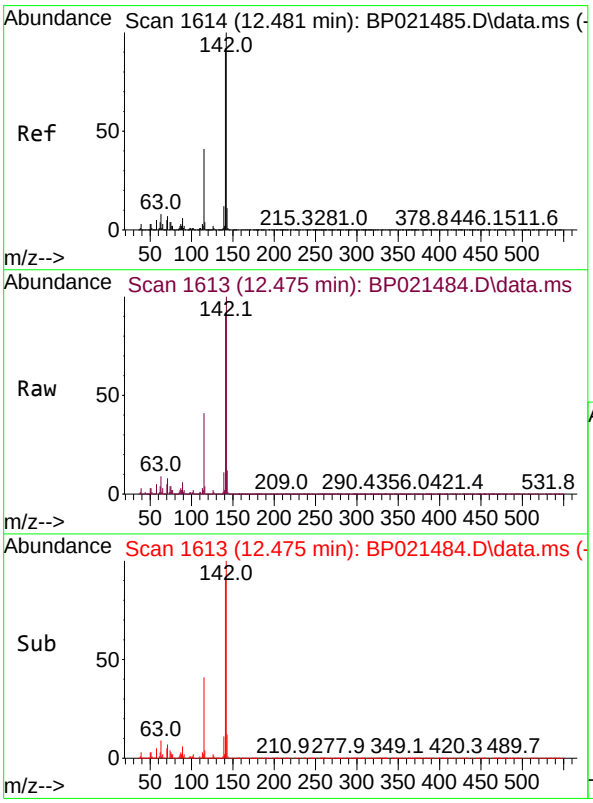
Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.7	107.5
115	39.3	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

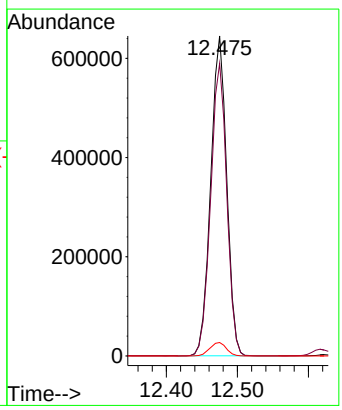
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

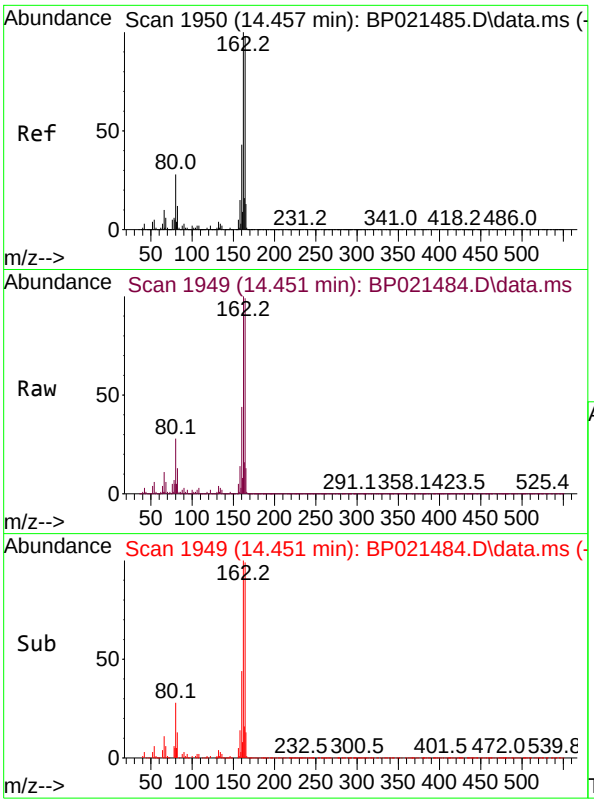


#38
1-Methylnaphthalene
Concen: 20.619 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:142 Resp: 1008222

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.5	110.3
116	4.2	3.4	5.2

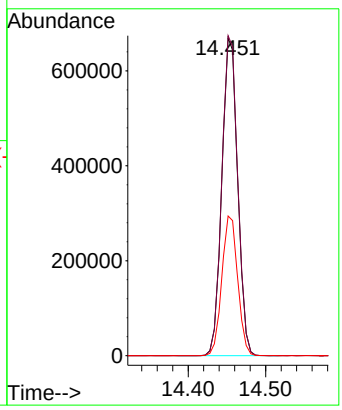




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:164 Resp: 94794

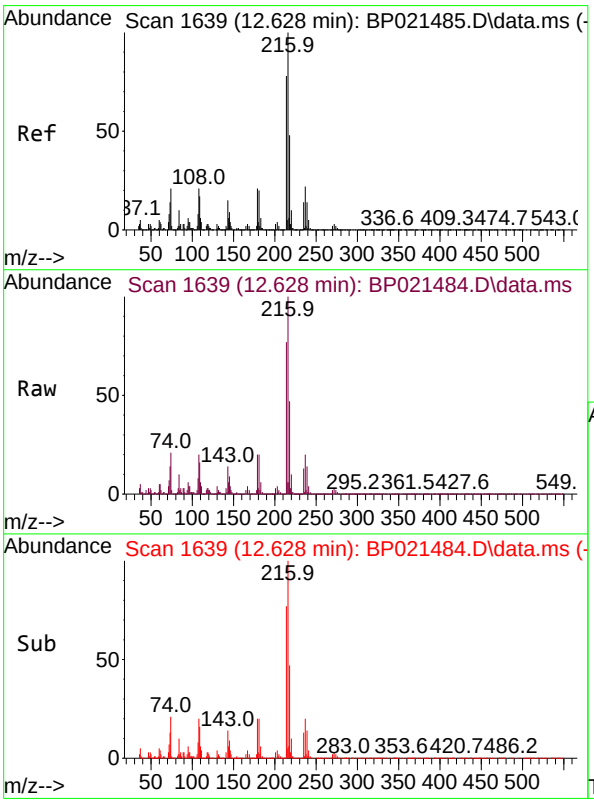
Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.5	122.3
160	44.0	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

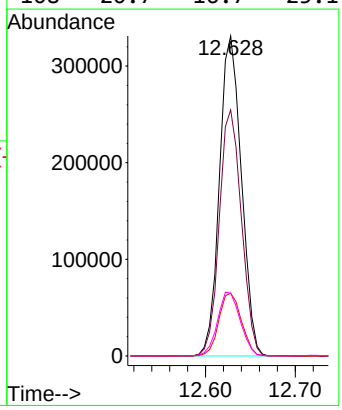
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

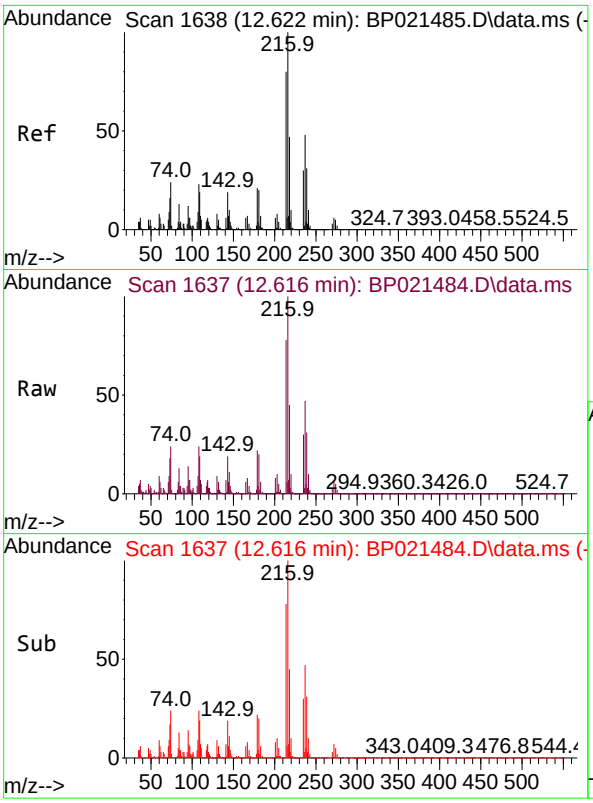


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.209 ng
RT: 12.628 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:216 Resp: 561317

Ion	Ratio	Lower	Upper
216	100		
214	77.4	62.5	93.7
179	20.2	16.4	24.6
108	20.7	16.7	25.1

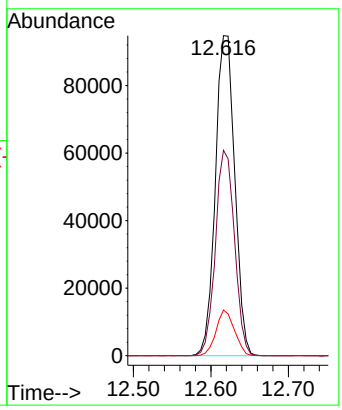




#41
Hexachlorocyclopentadiene
Concen: 18.709 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:237 Resp: 16469

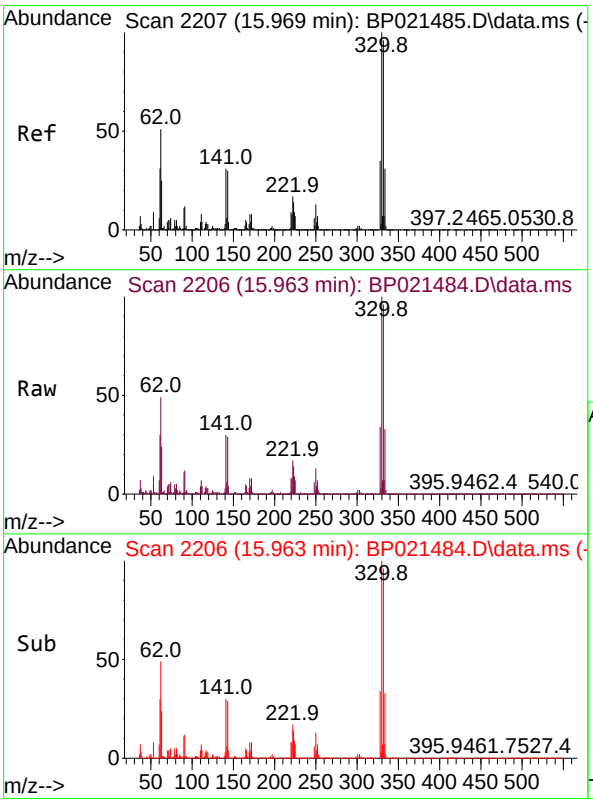
Ion	Ratio	Lower	Upper
237	100		
235	64.2	43.9	83.9
272	14.2	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

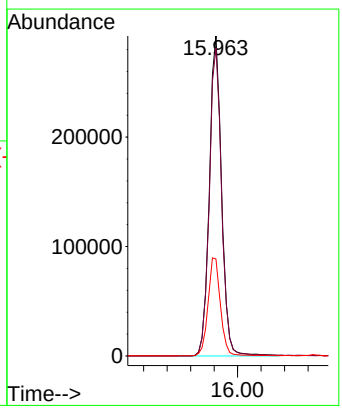
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

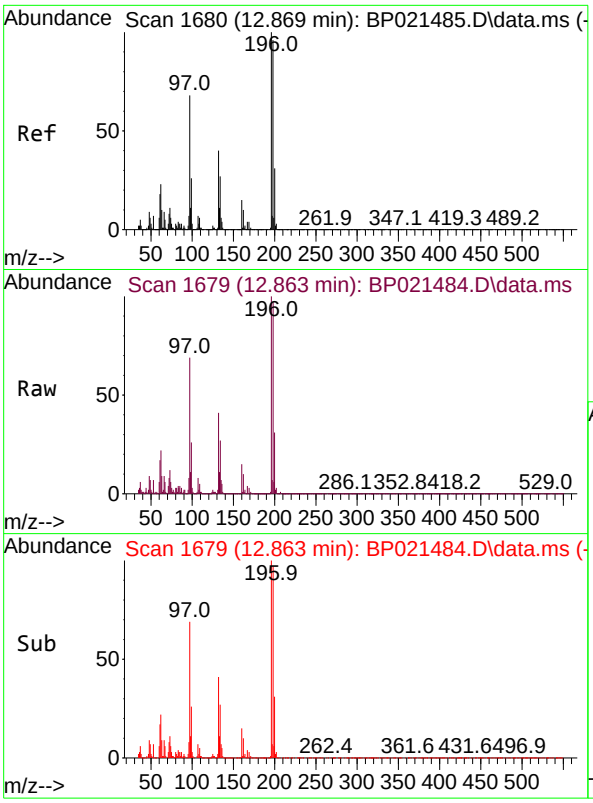


#42
2,4,6-Tribromophenol
Concen: 39.955 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:330 Resp: 421534

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.4	116.0
141	31.2	24.5	36.7

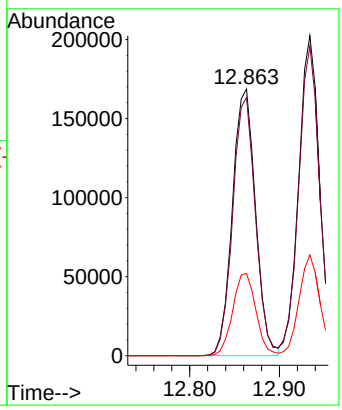




#43
2,4,6-Trichlorophenol
Concen: 19.562 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:196 Resp: 30182

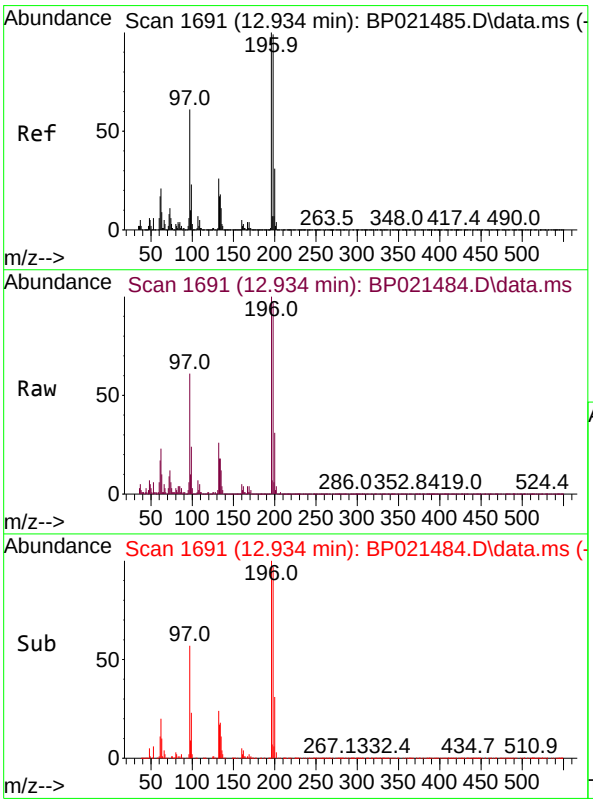
Ion	Ratio	Lower	Upper
196	100		
198	96.8	76.6	114.8
200	30.8	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
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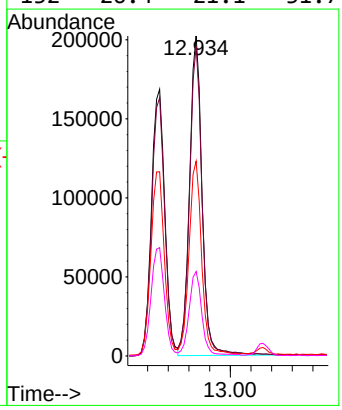
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

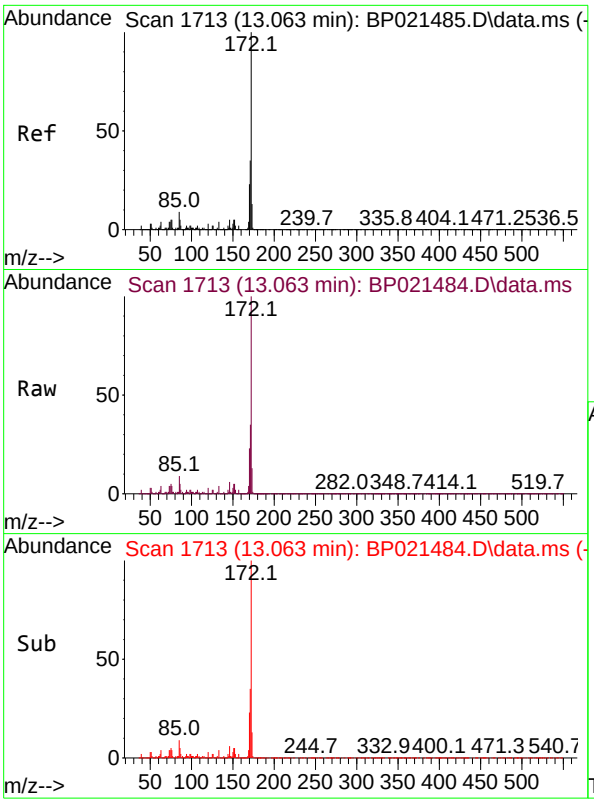


#44
2,4,5-Trichlorophenol
Concen: 19.897 ng
RT: 12.934 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:196 Resp: 341066

Ion	Ratio	Lower	Upper
196	100		
198	96.7	78.9	118.3
97	60.8	49.4	74.0
132	26.4	21.1	31.7

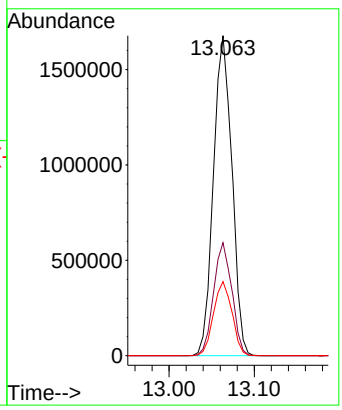




#45
2-Fluorobiphenyl
Concen: 40.758 ng
RT: 13.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:172 Resp: 253160

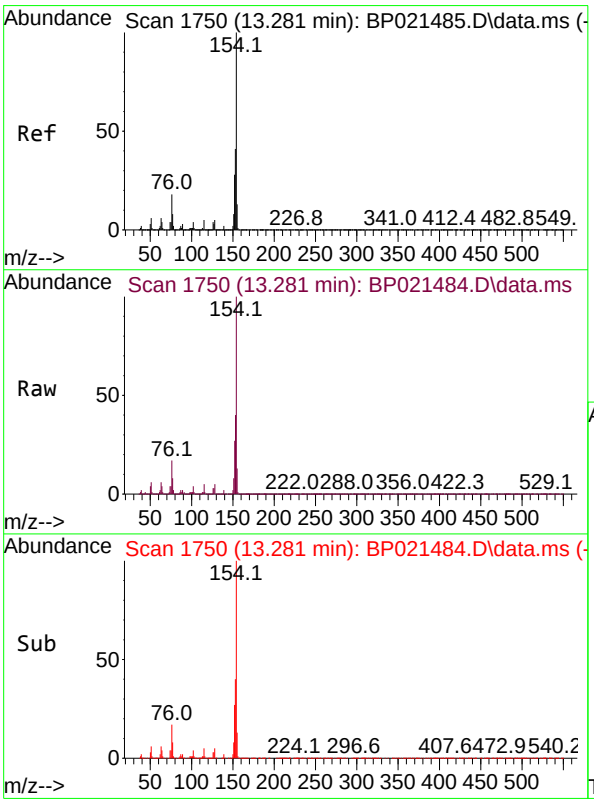
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.1	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

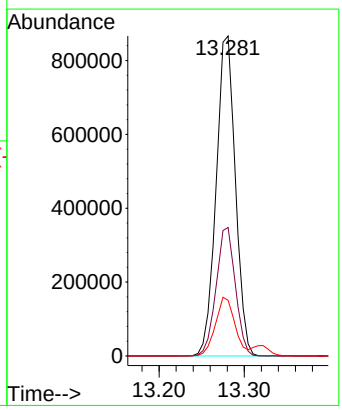
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

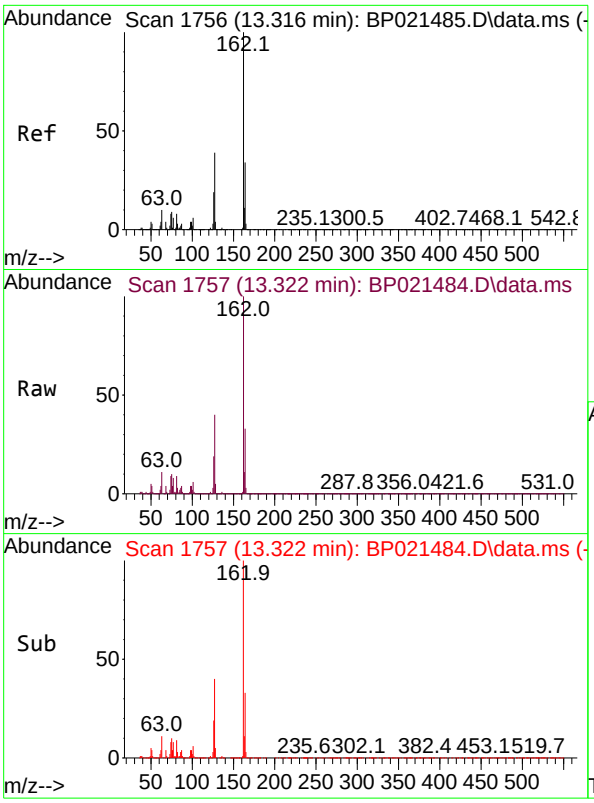


#46
1,1'-Biphenyl
Concen: 20.263 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:154 Resp: 1359024

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.7	60.7
76	17.4	0.0	37.7

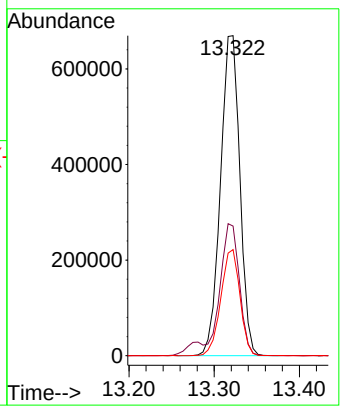




#47
2-Chloronaphthalene
Concen: 20.282 ng
RT: 13.322 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:162 Resp: 105899

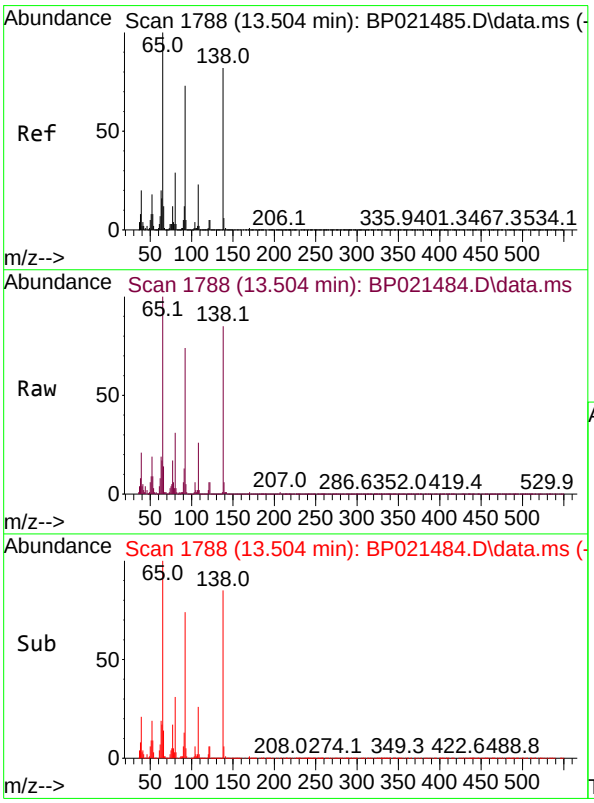
Ion	Ratio	Lower	Upper
162	100		
127	40.5	31.9	47.9
164	33.2	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

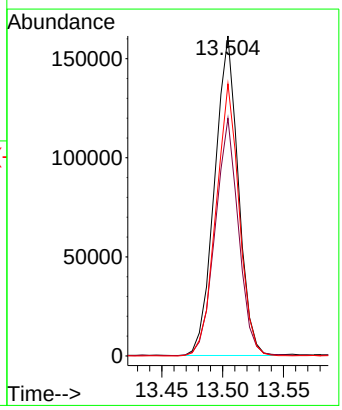
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

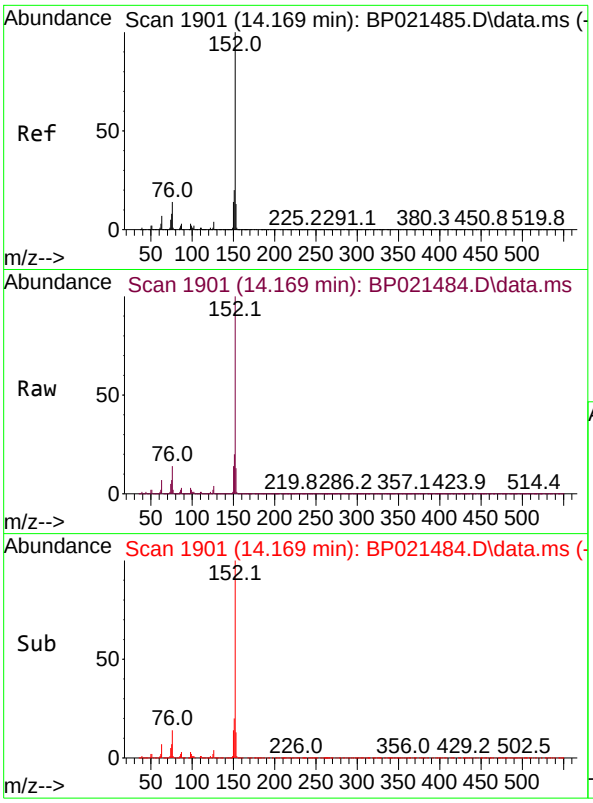


#48
2-Nitroaniline
Concen: 18.481 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 65 Resp: 218570

Ion	Ratio	Lower	Upper
65	100		
92	74.3	58.1	87.1
138	85.1	65.5	98.3

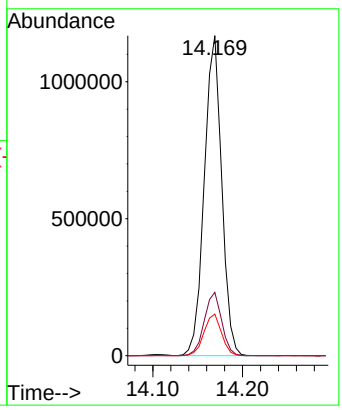




#49
Acenaphthylene
Concen: 20.468 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:152 Resp: 157110

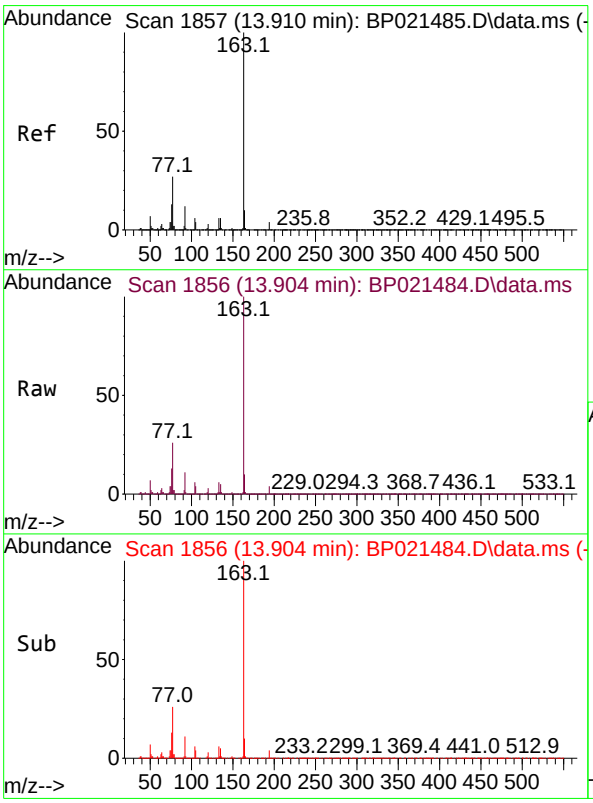
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.0	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

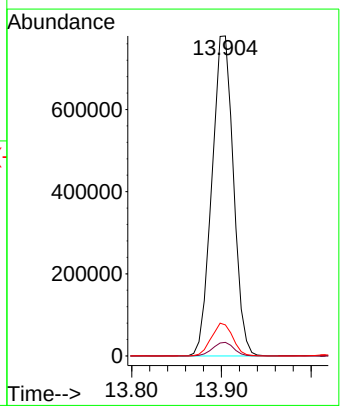
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

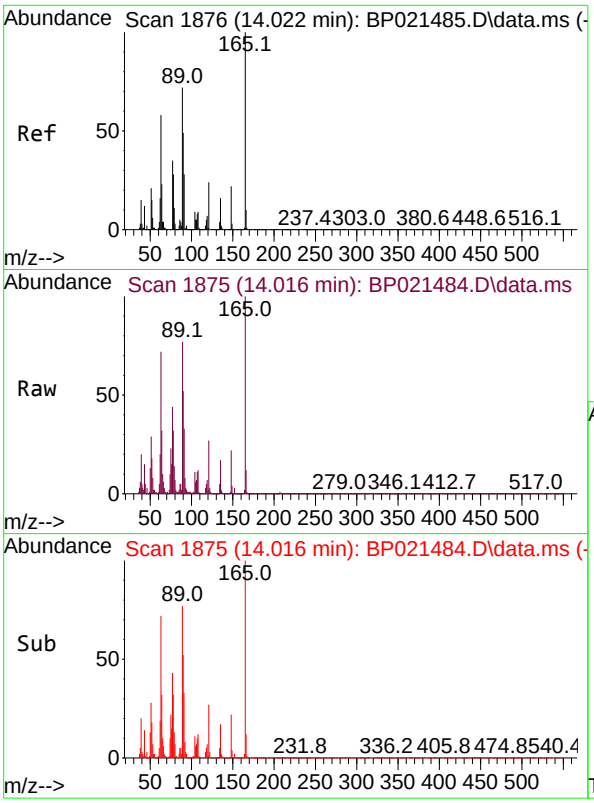


#50
Dimethylphthalate
Concen: 20.442 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:163 Resp: 1297733

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	9.7	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 19.423 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

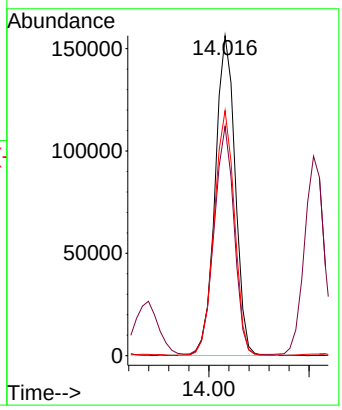
Tgt Ion:165 Resp: 21561

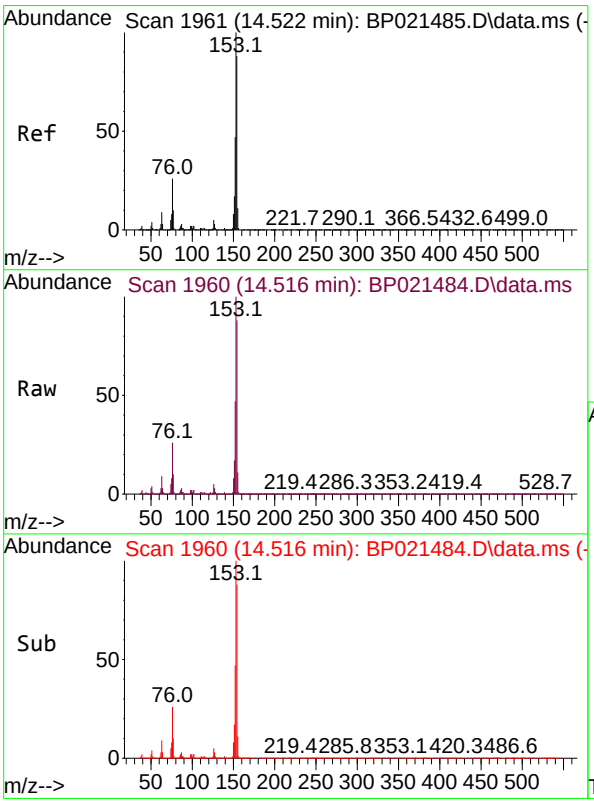
Ion	Ratio	Lower	Upper
165	100		
63	71.7	51.5	77.3
89	76.6	57.8	86.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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Reviewed By :Yogesh Patel 08/14/2024
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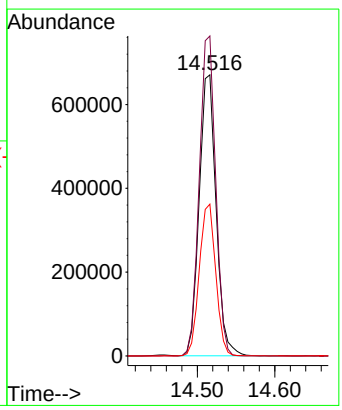


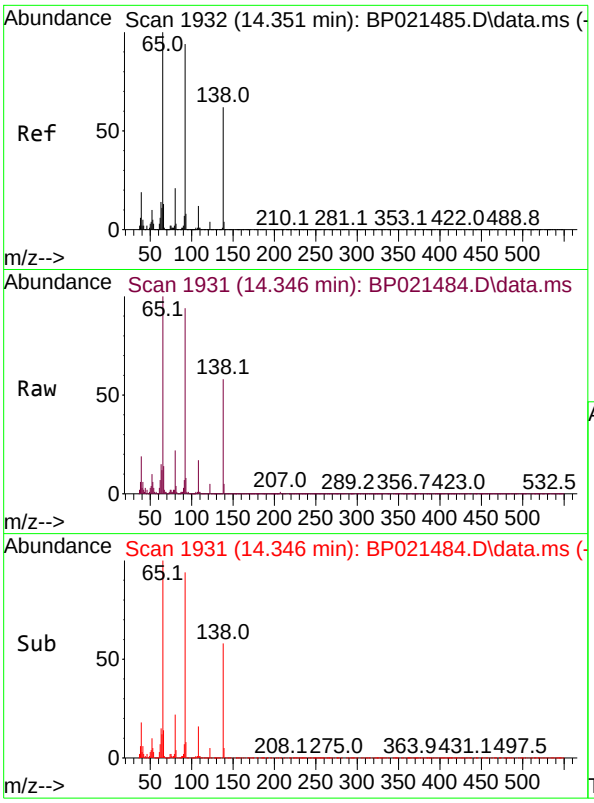


#52
Acenaphthene
Concen: 20.223 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:154 Resp: 1018510

Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.1	136.7
152	54.0	43.0	64.4





#53
3-Nitroaniline
Concen: 19.232 ng
RT: 14.346 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

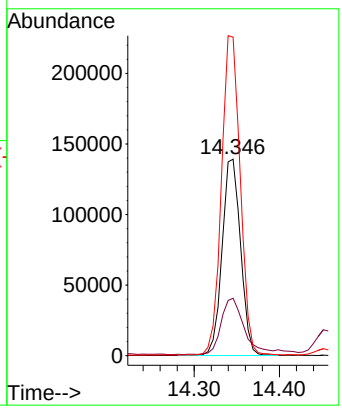
Tgt Ion:138 Resp: 20949

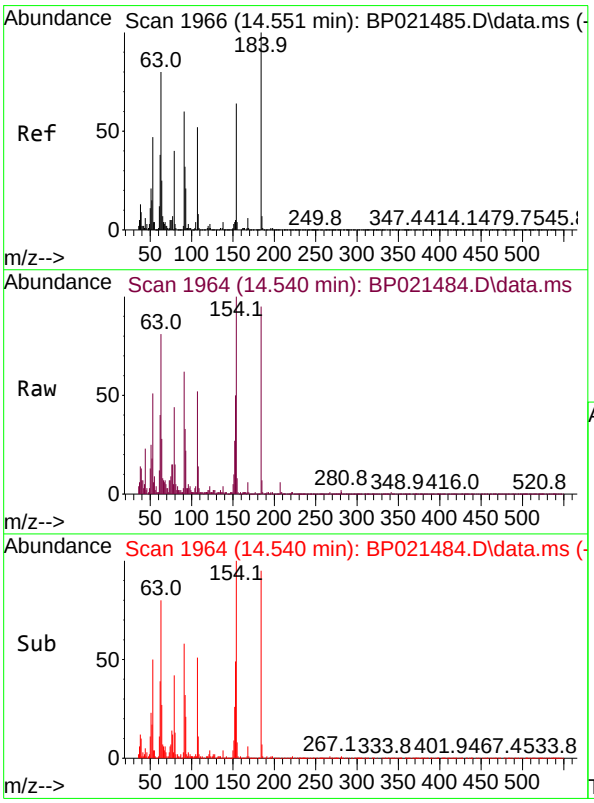
Ion	Ratio	Lower	Upper
138	100		
108	29.2	16.2	24.4#
92	162.2	122.2	183.4

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

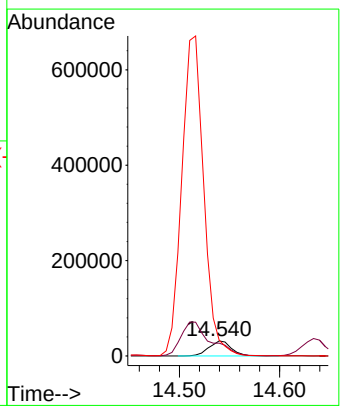


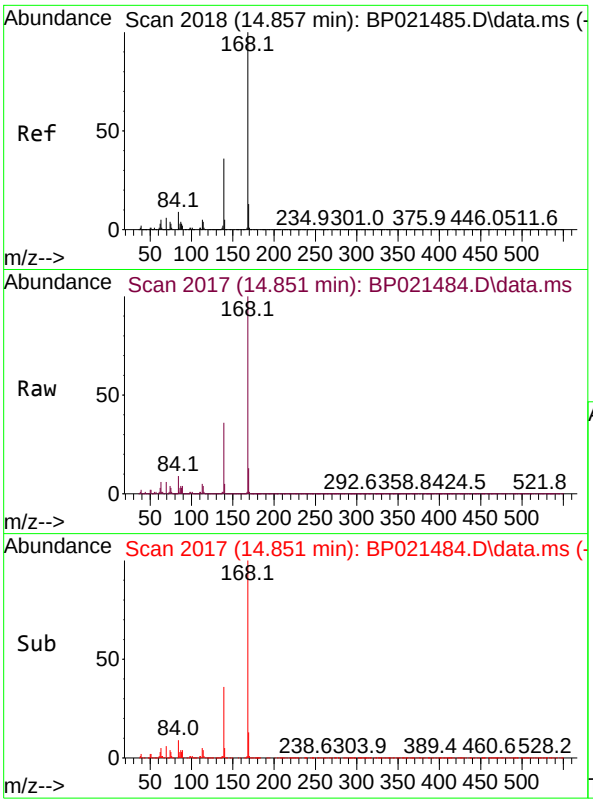


#54
2,4-Dinitrophenol
Concen: 19.714 ng
RT: 14.540 min Scan# 1964
Delta R.T. -0.011 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:184 Resp: 49171

Ion	Ratio	Lower	Upper
184	100		
63	85.8	64.9	97.3
154	105.7	52.1	78.1#

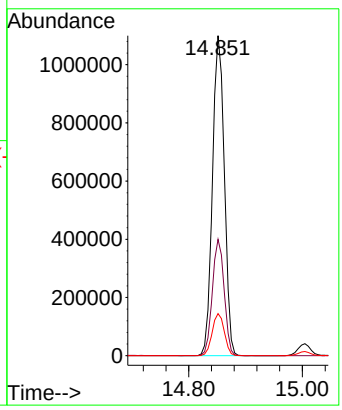




#55
Dibenzofuran
Concen: 20.515 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:168 Resp: 158941

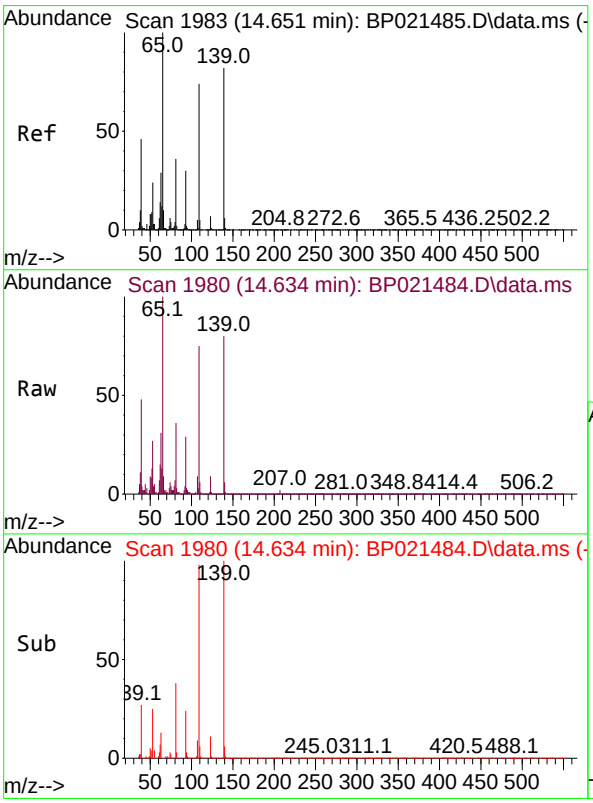
Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.6	43.0
169	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

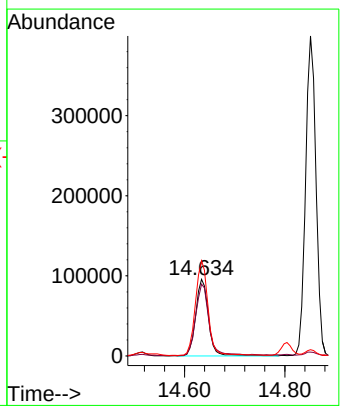
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

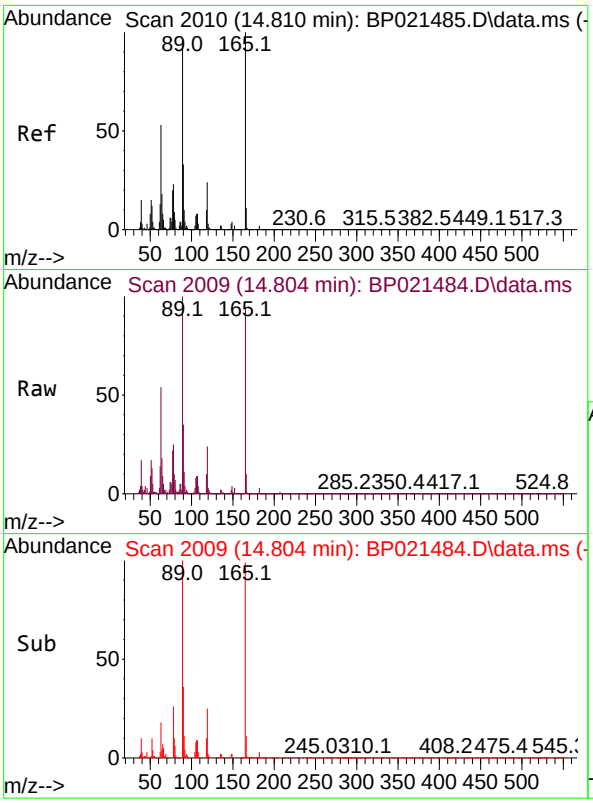


#56
4-Nitrophenol
Concen: 20.016 ng
RT: 14.634 min Scan# 1980
Delta R.T. -0.017 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:139 Resp: 167932

Ion	Ratio	Lower	Upper
139	100		
109	93.8	70.2	110.2
65	124.4	101.8	141.8

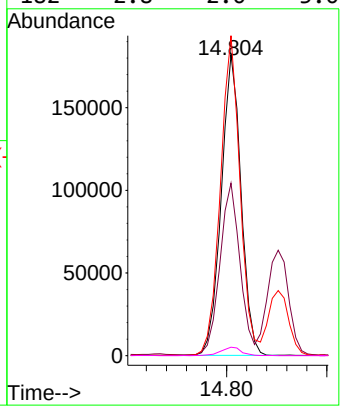




#57
2,4-Dinitrotoluene
Concen: 18.676 ng
RT: 14.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:165 Resp: 24840

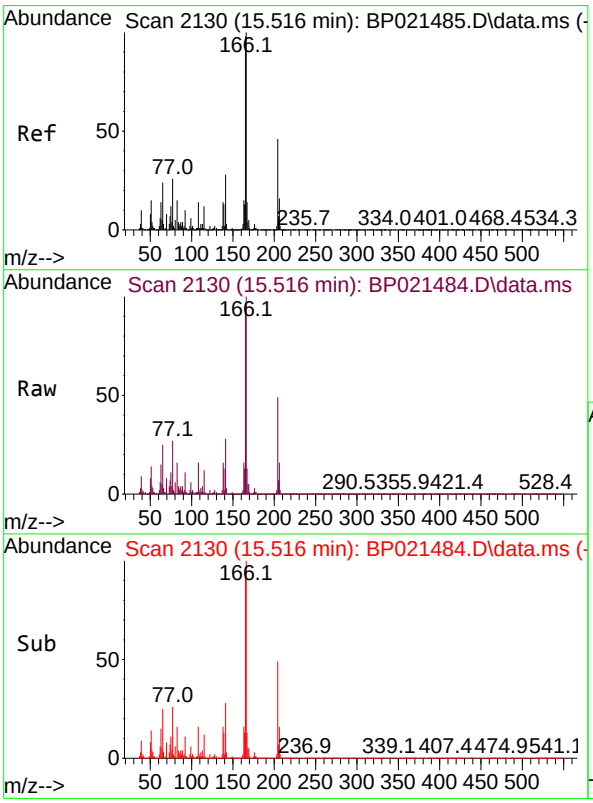
Ion	Ratio	Lower	Upper
165	100		
63	57.3	42.5	63.7
89	106.3	77.1	115.7
182	2.8	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

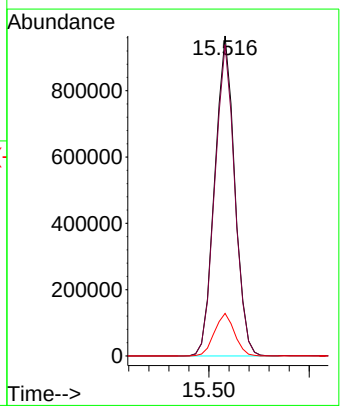
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

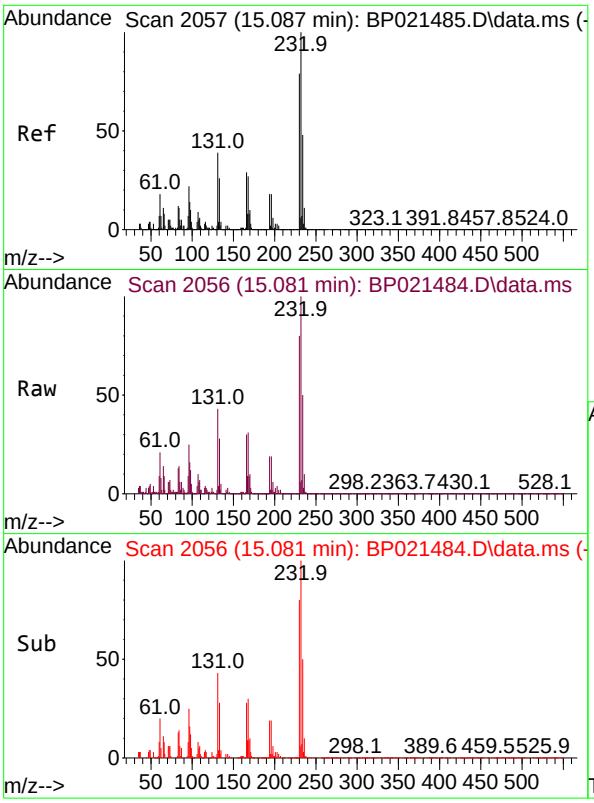


#58
Fluorene
Concen: 20.975 ng
RT: 15.516 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:166 Resp: 1334998

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.1	117.1
167	13.3	11.0	16.4

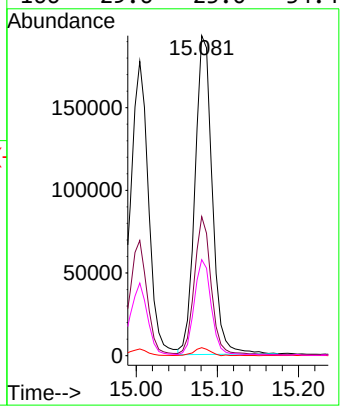




#59
2,3,4,6-Tetrachlorophenol
Concen: 19.679 ng
RT: 15.081 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:232 Resp: 28632

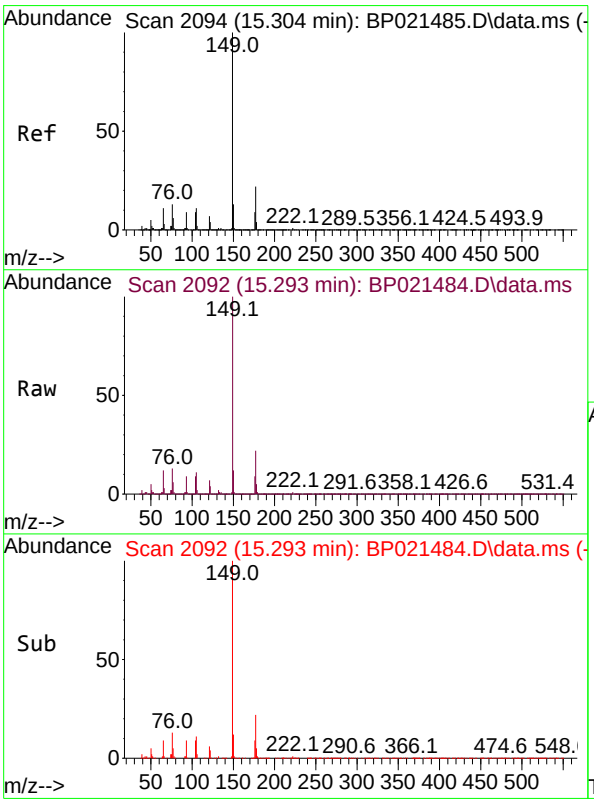
Ion	Ratio	Lower	Upper
232	100		
131	42.6	33.1	49.7
130	2.3	1.7	2.5
166	29.6	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

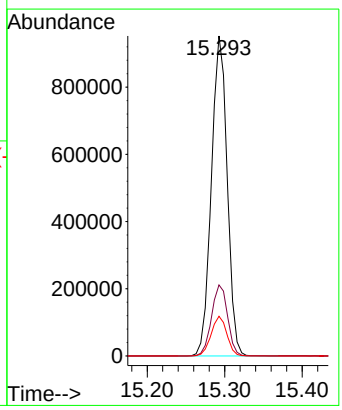
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

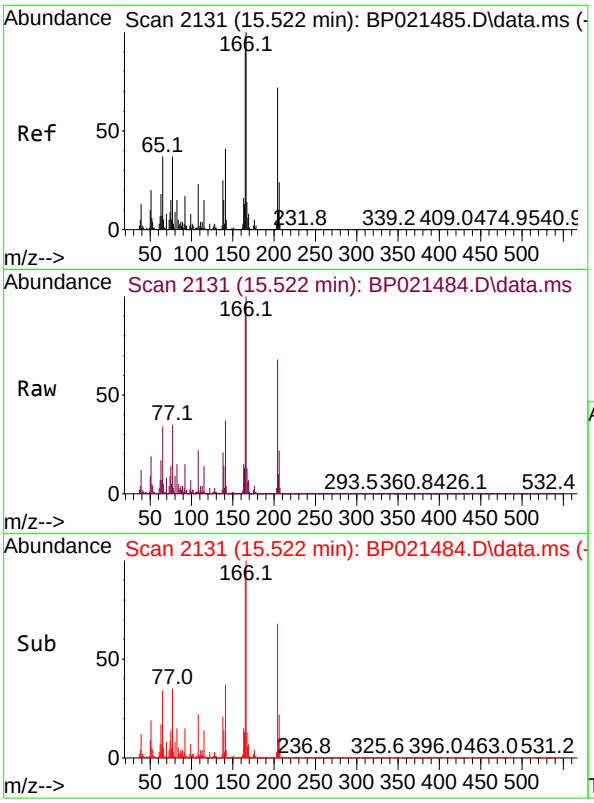


#60
Diethylphthalate
Concen: 20.773 ng
RT: 15.293 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 1353063

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.8	26.8
150	12.4	10.1	15.1

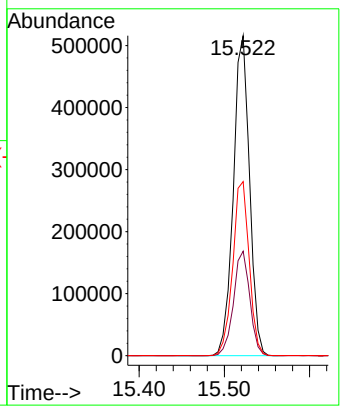




#61
4-Chlorophenyl-phenylether
Concen: 20.699 ng
RT: 15.522 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:204 Resp: 68098

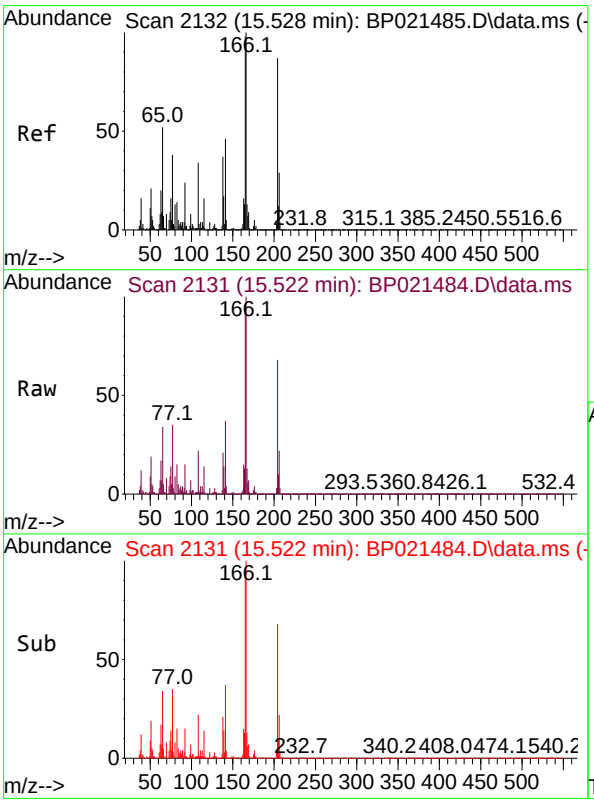
Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.4	39.6
141	54.4	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

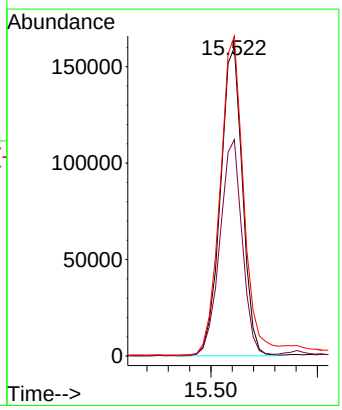
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

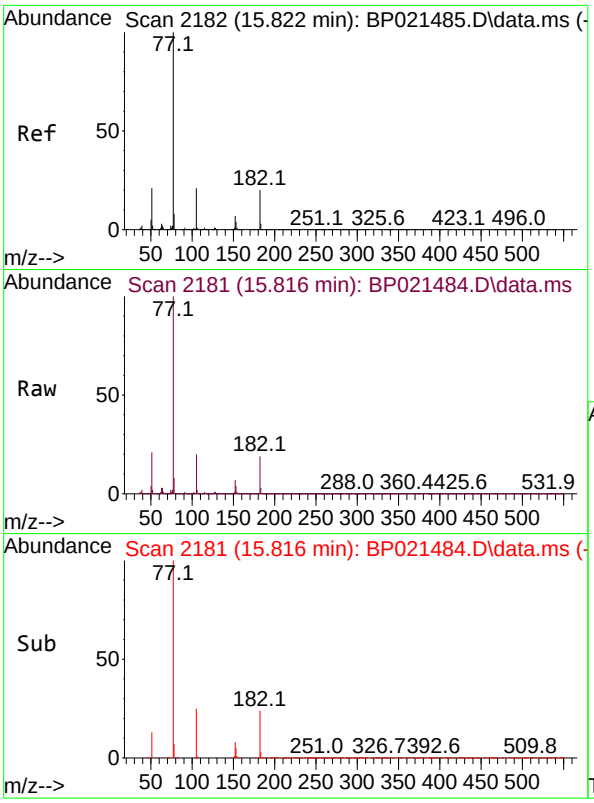


#62
4-Nitroaniline
Concen: 19.603 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:138 Resp: 229769

Ion	Ratio	Lower	Upper
138	100		
92	70.1	46.4	86.4
108	103.7	73.2	113.2

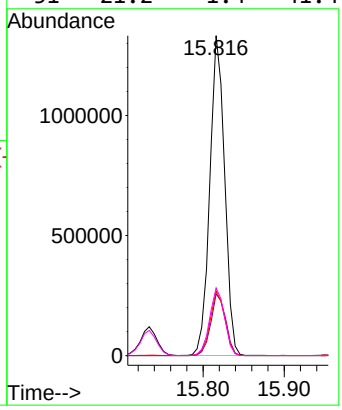




#63
Azobenzene
Concen: 21.052 ng
RT: 15.816 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion: 77 Resp: 168560

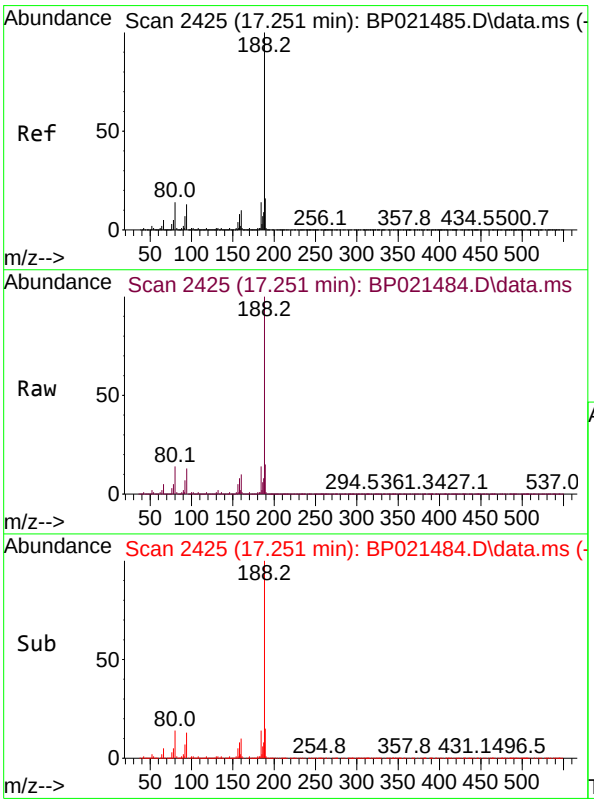
Ion	Ratio	Lower	Upper
77	100		
182	19.3	0.0	39.9
105	20.3	0.9	40.9
51	21.2	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

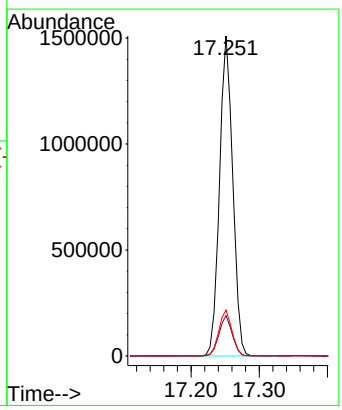
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

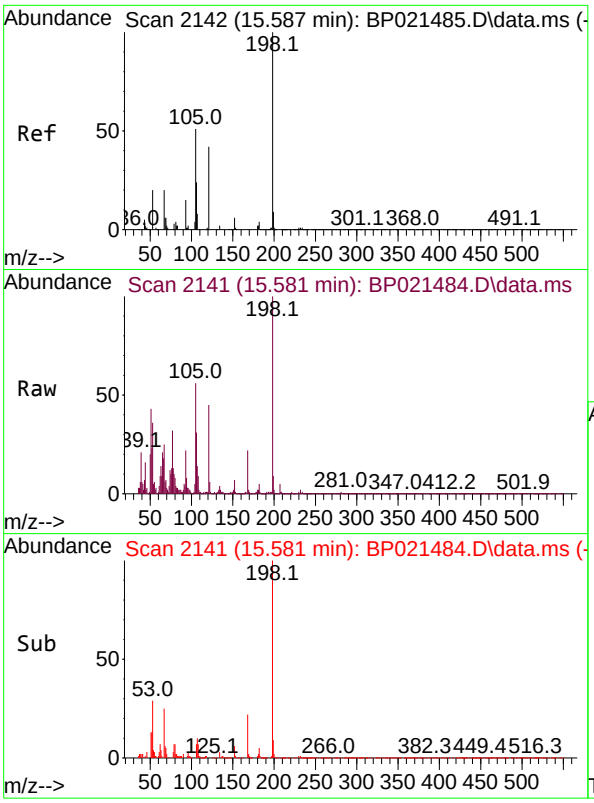


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:188 Resp: 2036378

Ion	Ratio	Lower	Upper
188	100		
94	12.6	10.2	15.4
80	14.4	11.6	17.4





#65
4,6-Dinitro-2-methylphenol
Concen: 19.364 ng
RT: 15.581 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

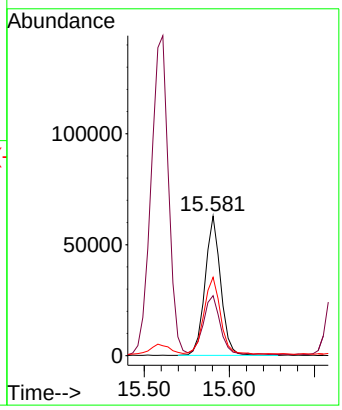
Tgt Ion:198 Resp: 7939

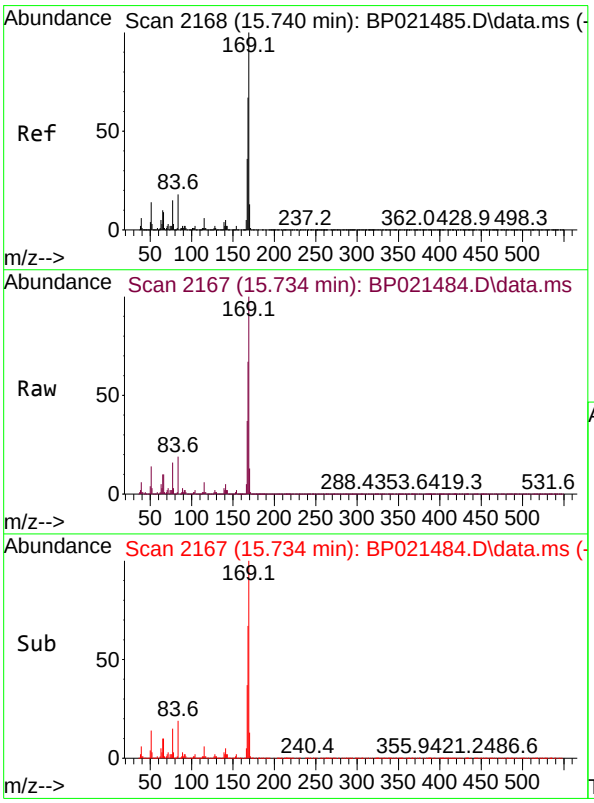
Ion	Ratio	Lower	Upper
198	100		
51	43.0	21.5	61.5
105	56.2	32.9	72.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

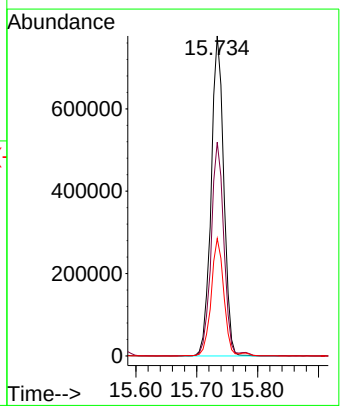


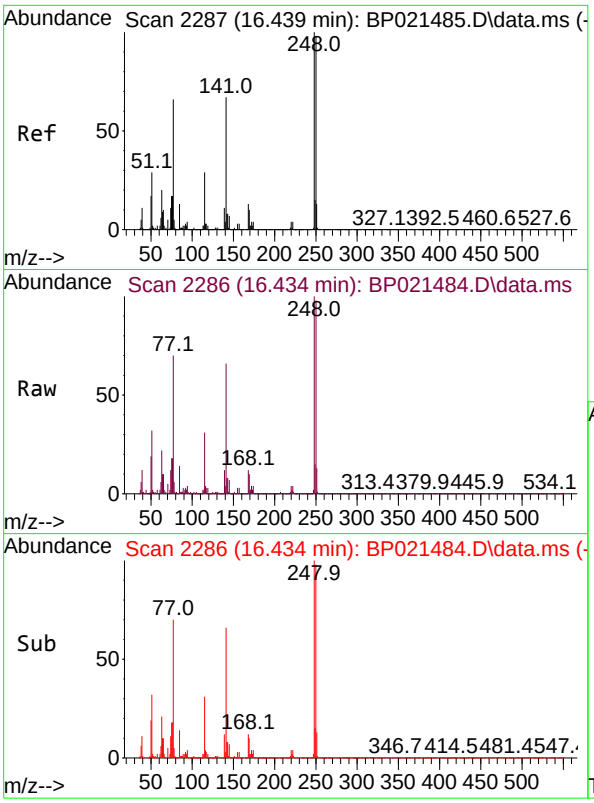


#66
n-Nitrosodiphenylamine
Concen: 20.488 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:169 Resp: 1118083

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.7	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 20.052 ng
RT: 16.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

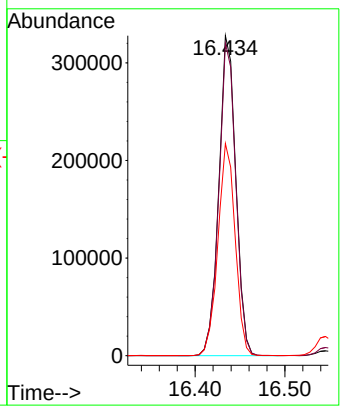
Tgt Ion:248 Resp: 43216

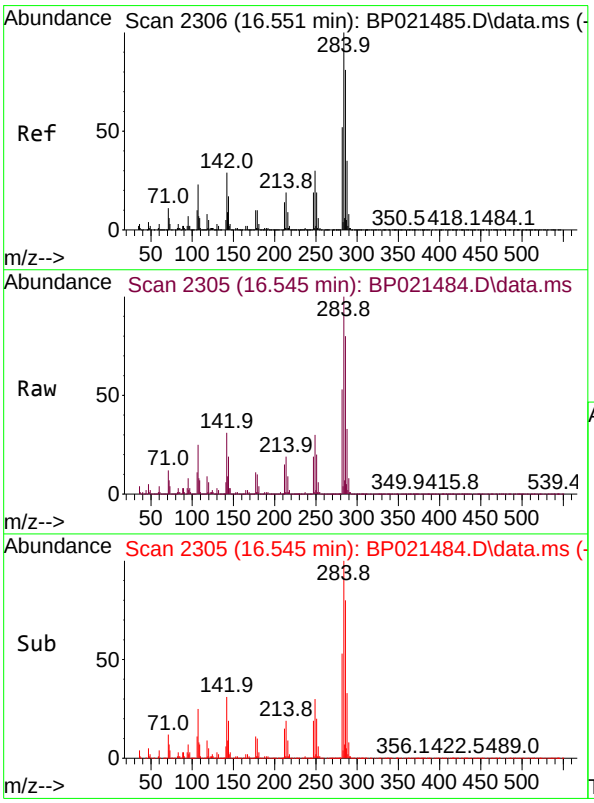
Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.6	117.8
141	66.3	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

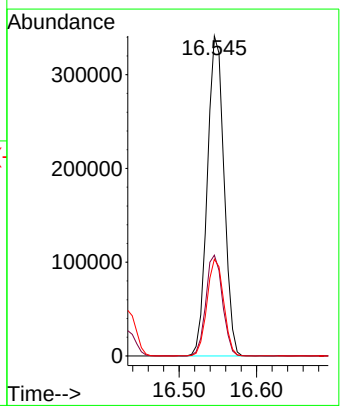


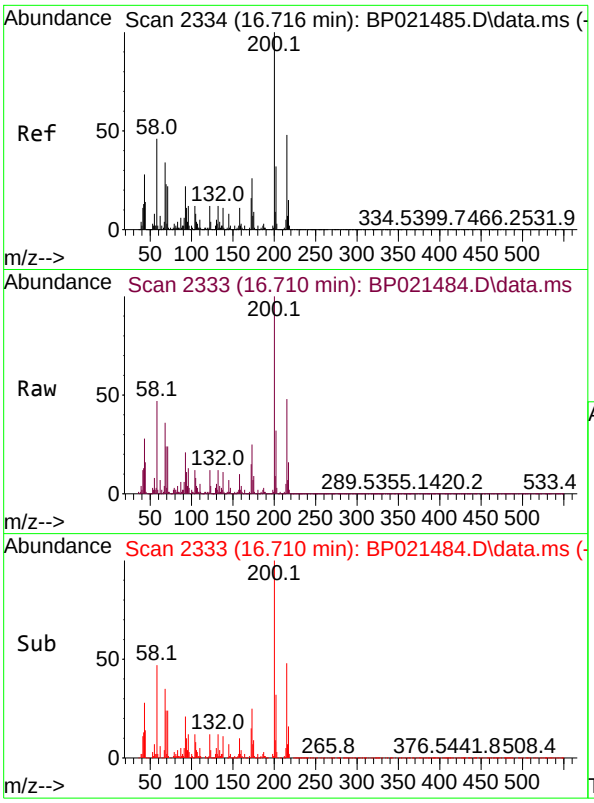


#68
Hexachlorobenzene
Concen: 20.002 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:284 Resp: 509441

Ion	Ratio	Lower	Upper
284	100		
142	31.5	23.4	35.2
249	30.3	24.1	36.1

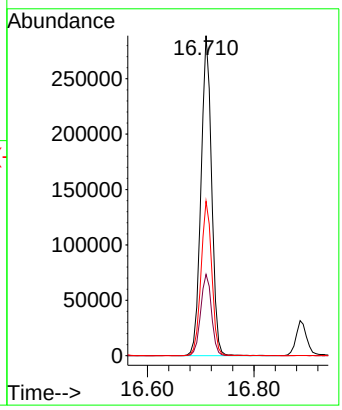




#69
Atrazine
Concen: 21.266 ng
RT: 16.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:200 Resp: 39844

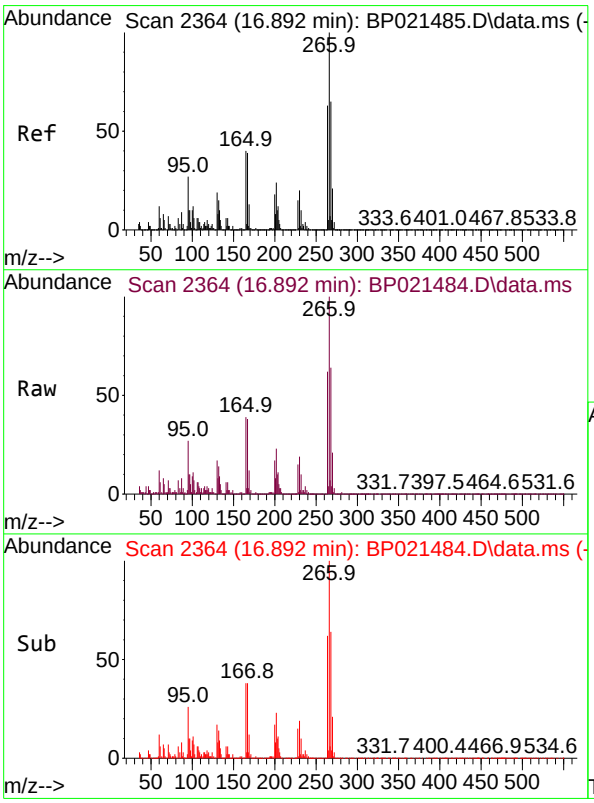
Ion	Ratio	Lower	Upper
200	100		
173	25.4	6.2	46.2
215	48.3	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

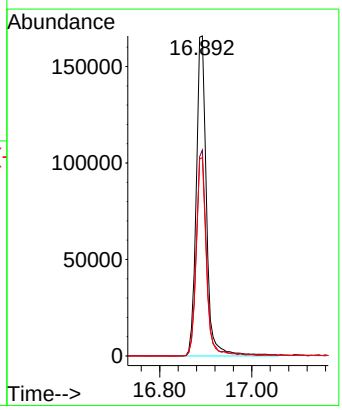
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

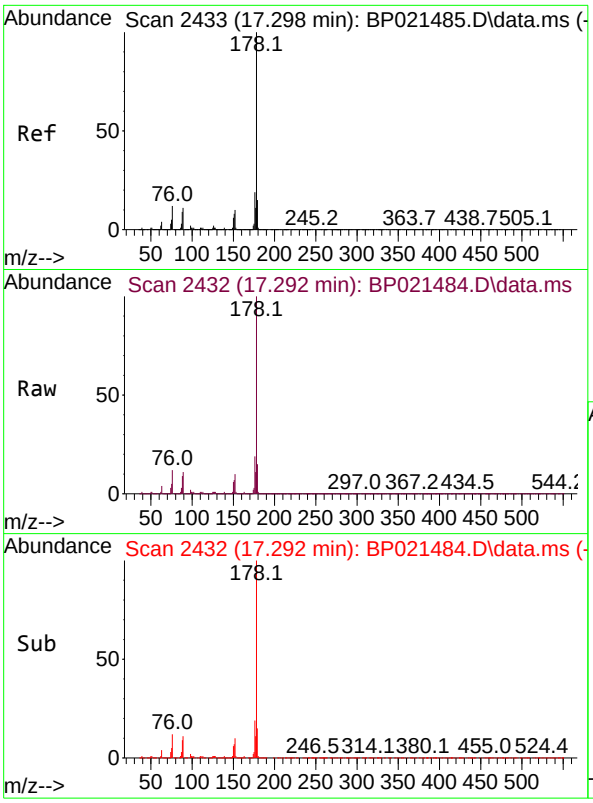


#70
Pentachlorophenol
Concen: 18.381 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:266 Resp: 255526

Ion	Ratio	Lower	Upper
266	100		
268	64.4	51.8	77.6
264	62.0	50.5	75.7

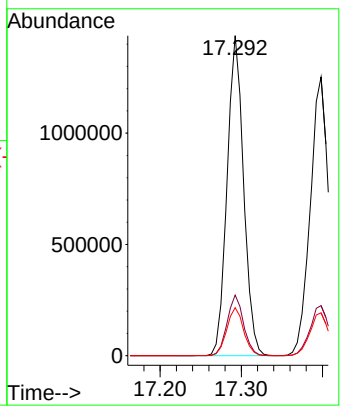




#71
Phenanthrene
Concen: 20.760 ng
RT: 17.292 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:178 Resp: 203307

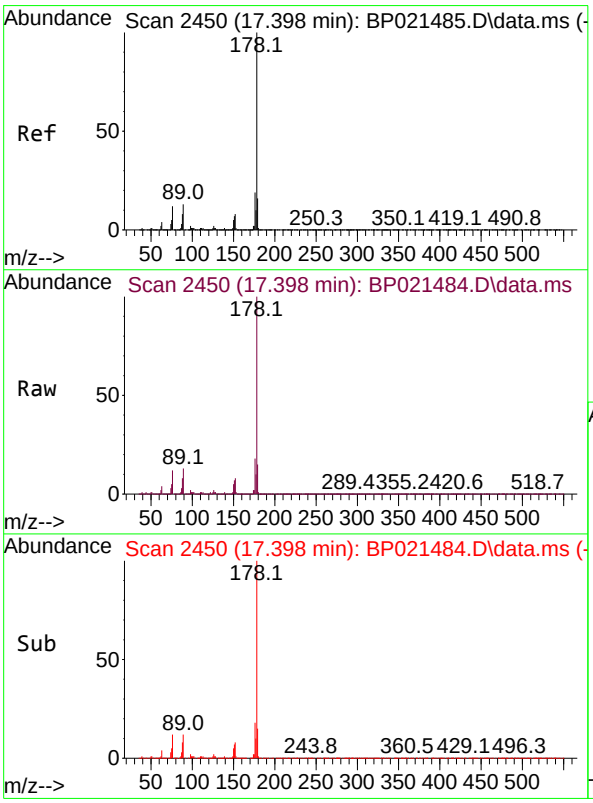
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.0	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

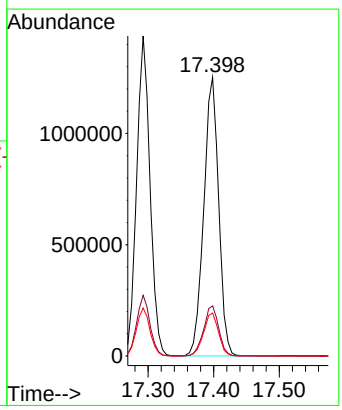
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

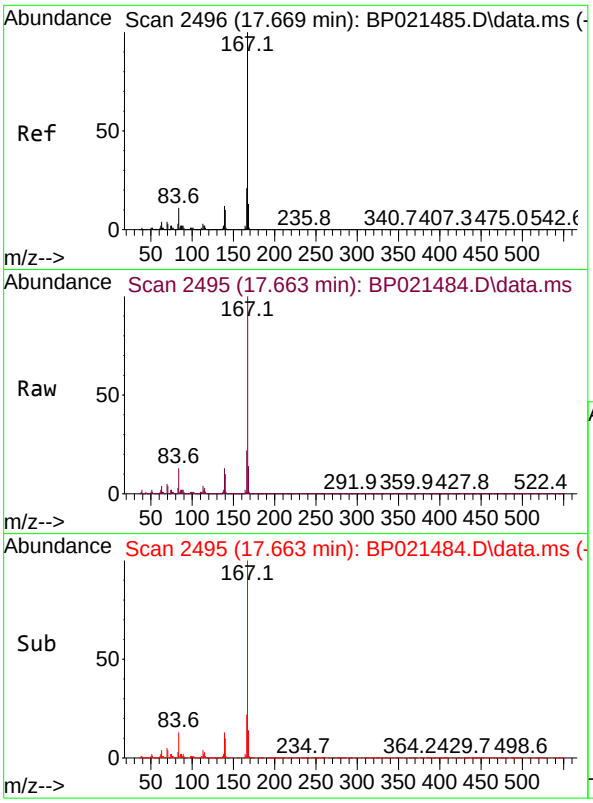


#72
Anthracene
Concen: 20.574 ng
RT: 17.398 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:178 Resp: 1976030

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.9	22.3
179	15.4	12.5	18.7

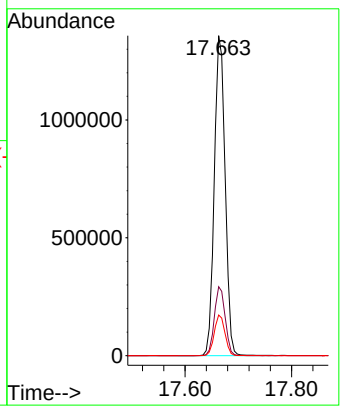




#73
Carbazole
Concen: 20.709 ng
RT: 17.663 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:167 Resp: 191683

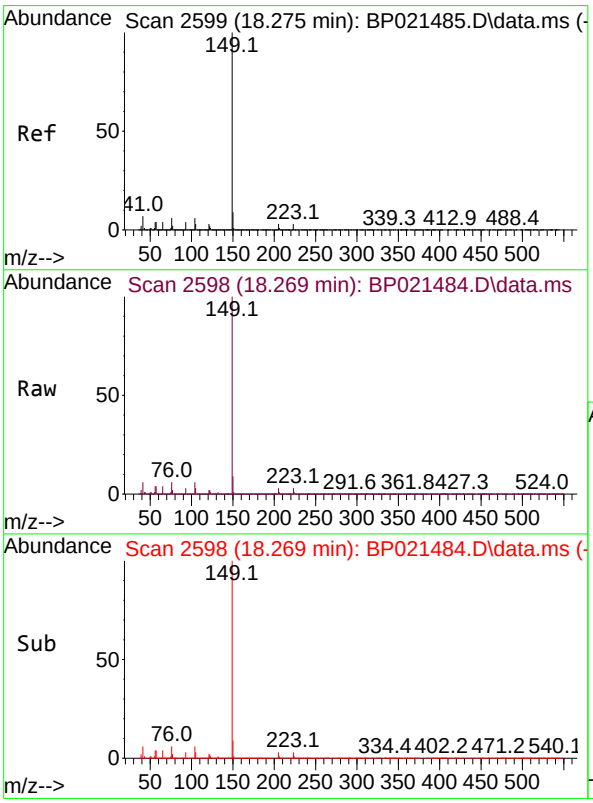
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	12.7	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

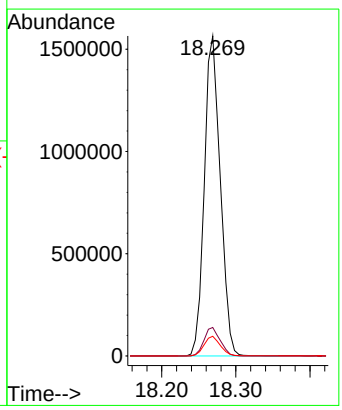
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

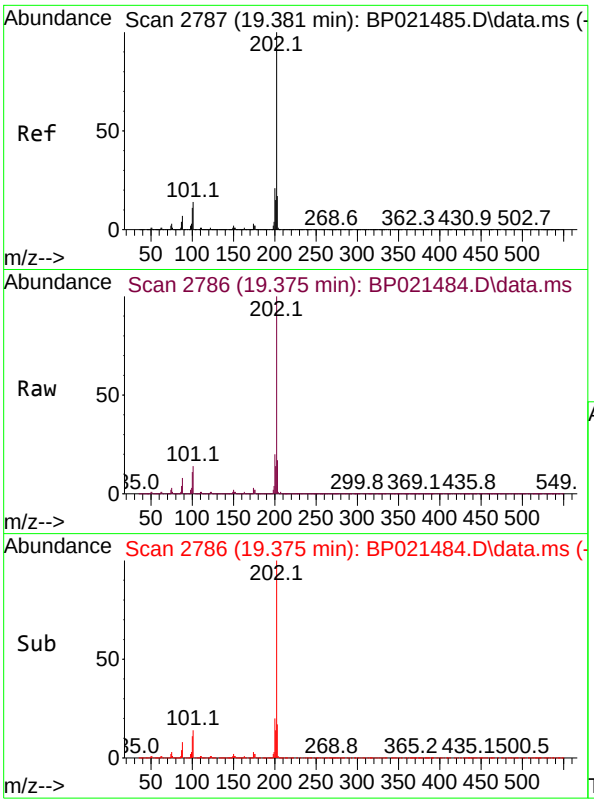


#74
Di-n-butylphthalate
Concen: 20.587 ng
RT: 18.269 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 2340289

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.5	11.3
104	6.1	4.9	7.3





#75
Fluoranthene
Concen: 20.902 ng
RT: 19.375 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

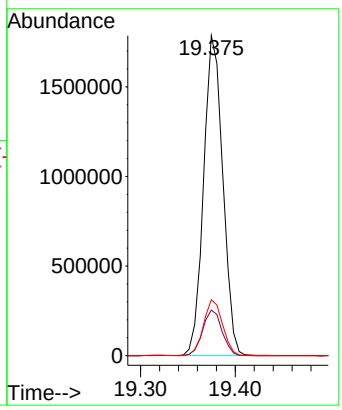
Tgt Ion:202 Resp: 251168

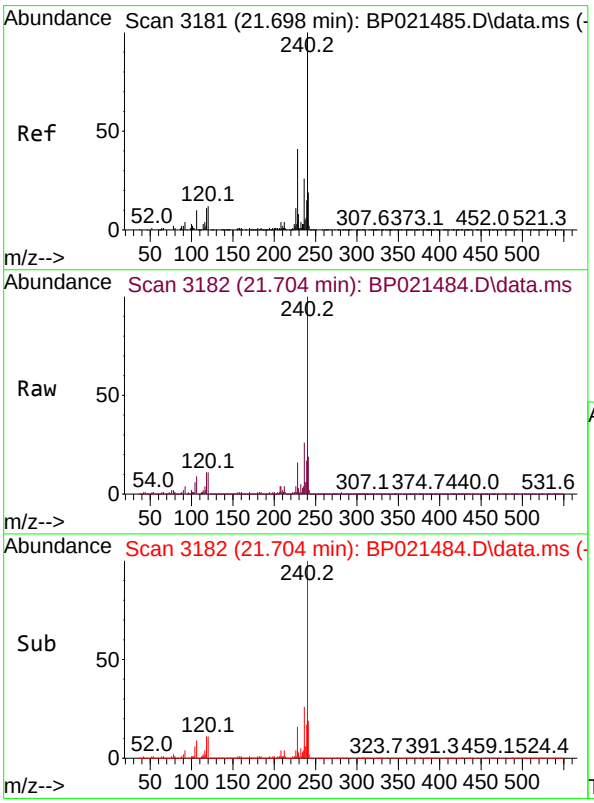
Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	34.0
203	17.4	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

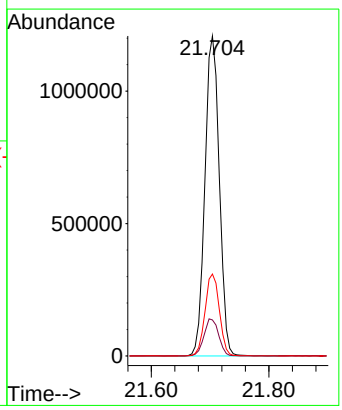


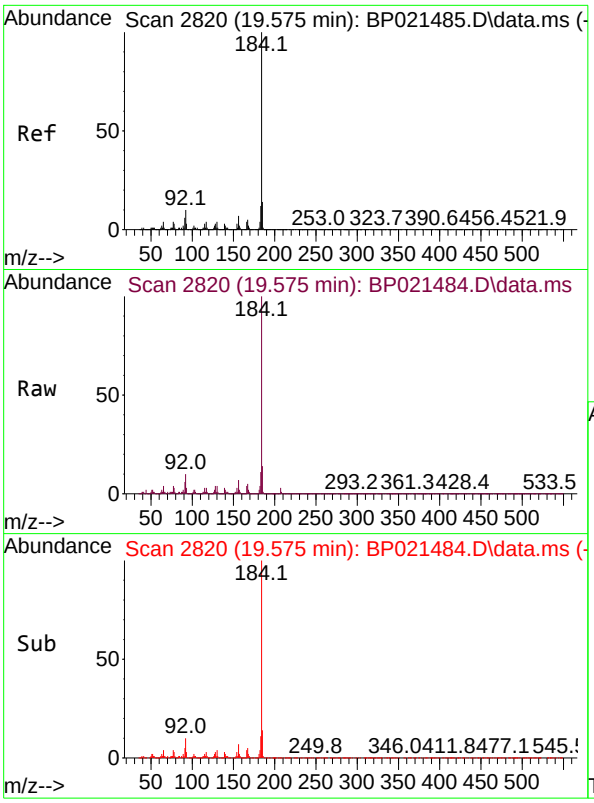


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.704 min Scan# 3182
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:240 Resp: 2051361

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.9	14.9
236	25.6	20.6	30.8





#77
Benzidine
Concen: 20.258 ng
RT: 19.575 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

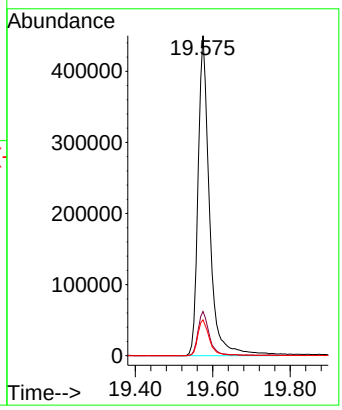
Tgt Ion:184 Resp: 92419

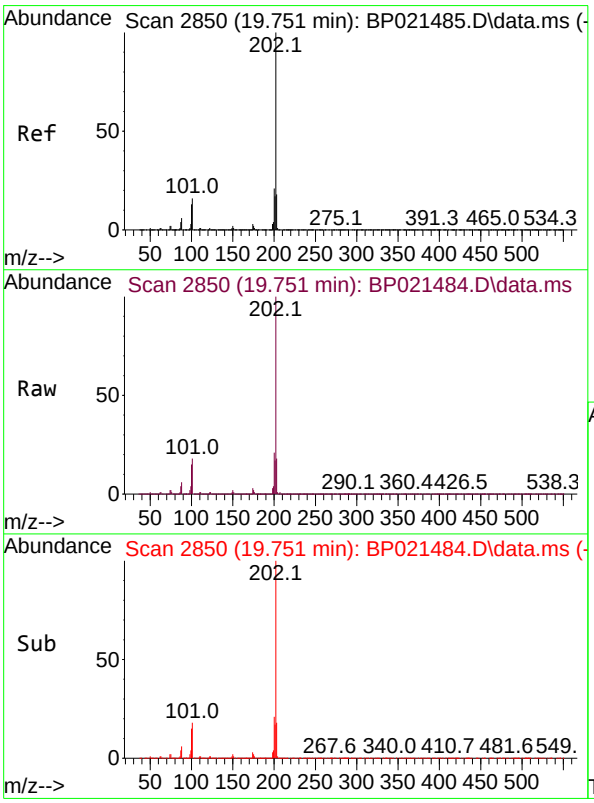
Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.4	17.0
183	11.2	9.3	13.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

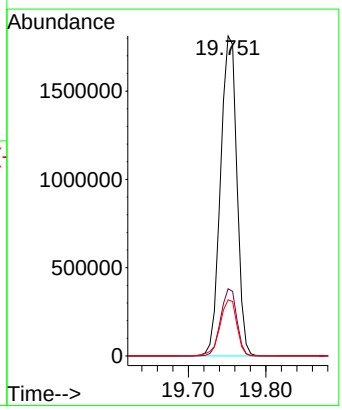


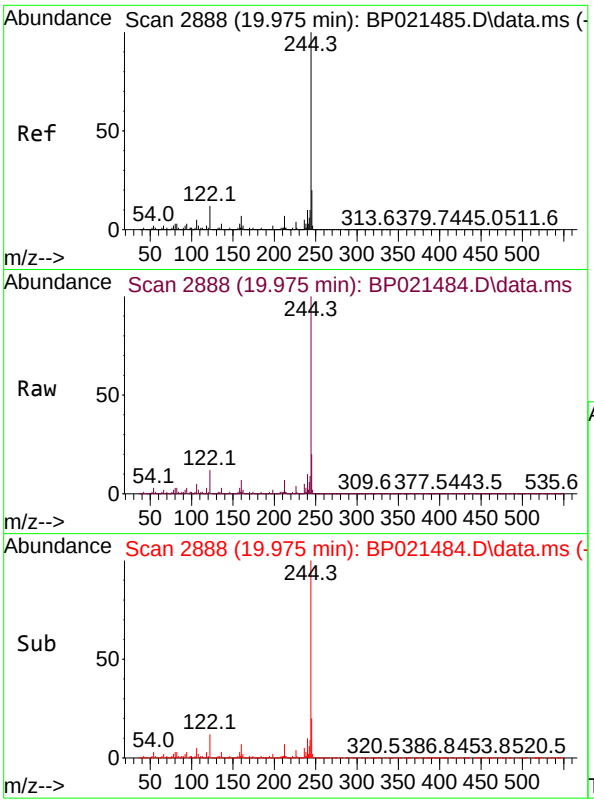


#78
Pyrene
Concen: 19.814 ng
RT: 19.751 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:202 Resp: 2656705

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.5	14.1	21.1

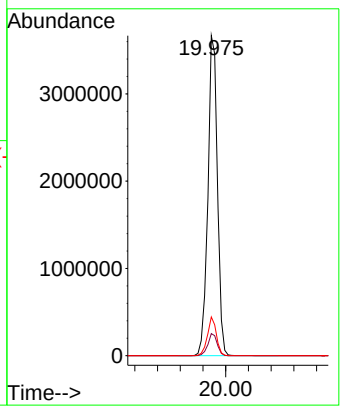




#79
Terphenyl-d14
Concen: 40.160 ng
RT: 19.975 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:244 Resp: 424055

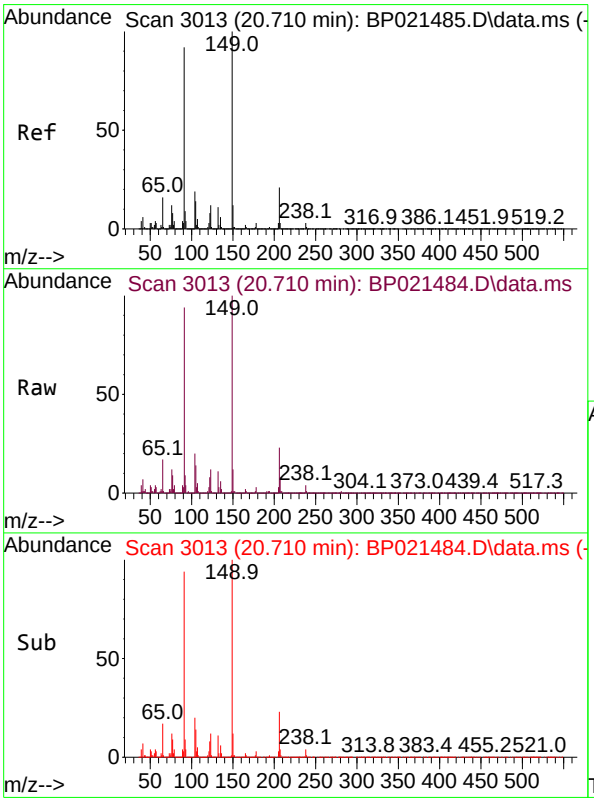
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	12.1	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

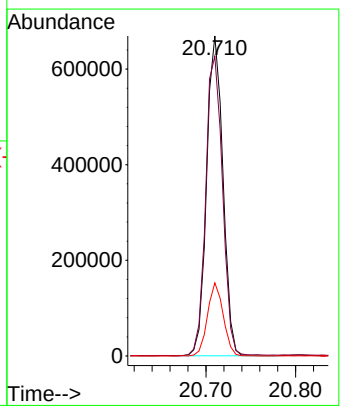
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

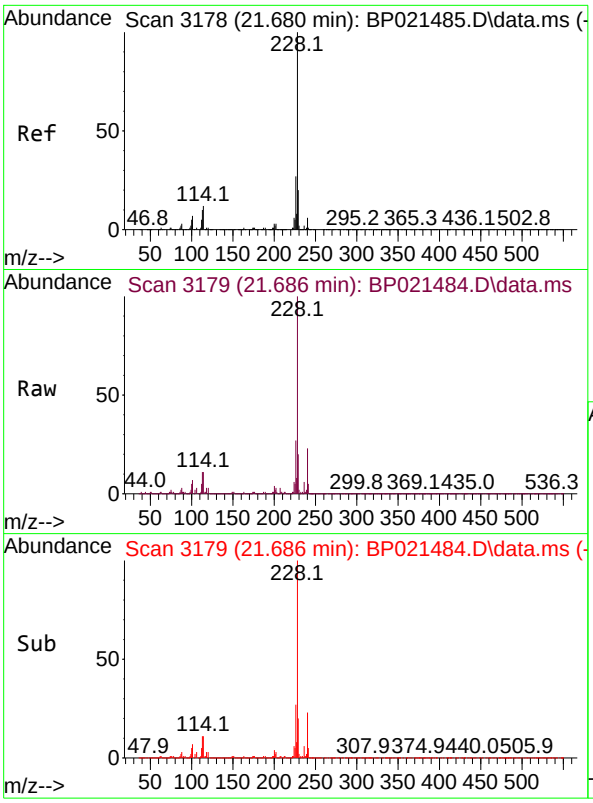


#80
Butylbenzylphthalate
Concen: 18.934 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 843482

Ion	Ratio	Lower	Upper
149	100		
91	93.7	73.3	109.9
206	22.9	17.1	25.7

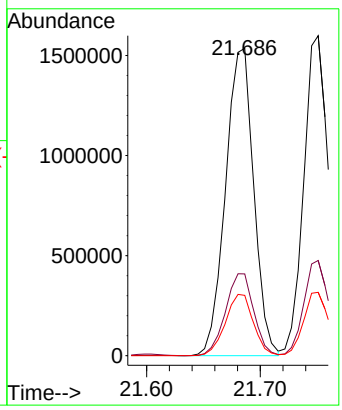




#81
Benzo(a)anthracene
Concen: 20.566 ng
RT: 21.686 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:228 Resp: 264847

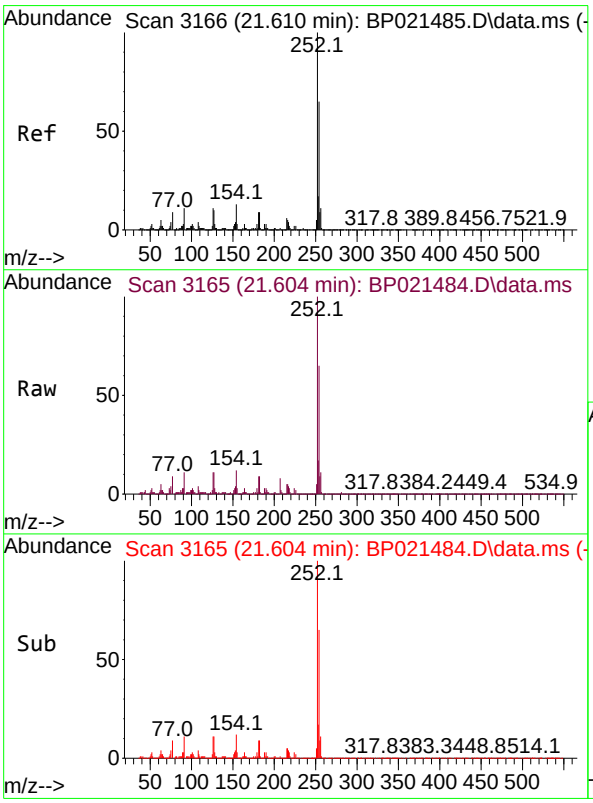
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.4	32.2
229	19.6	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

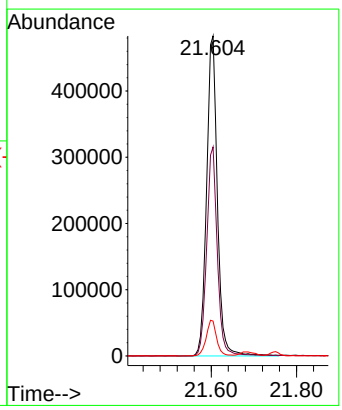
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

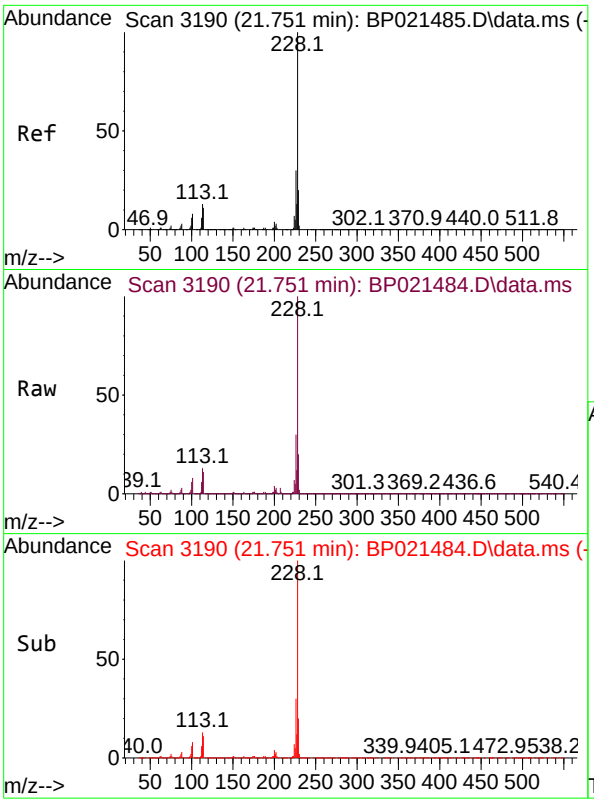


#82
3,3'-Dichlorobenzidine
Concen: 20.526 ng
RT: 21.604 min Scan# 3165
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 847490

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.7	77.5
126	10.9	8.7	13.1

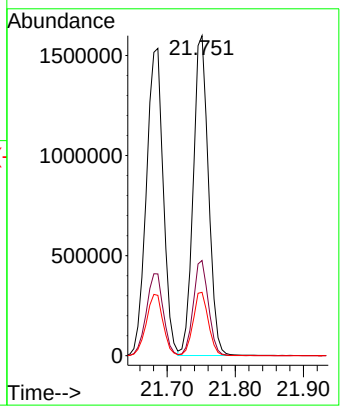




#83
Chrysene
Concen: 20.336 ng
RT: 21.751 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:228 Resp: 247252

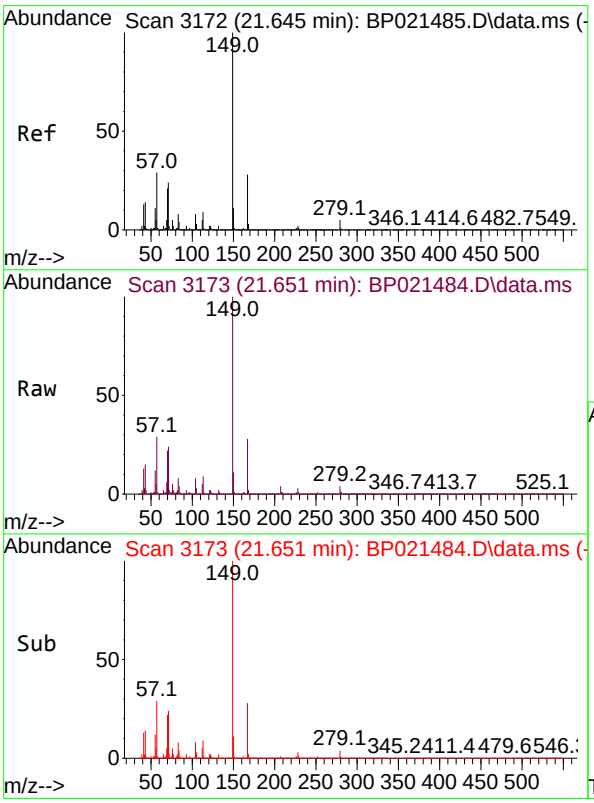
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

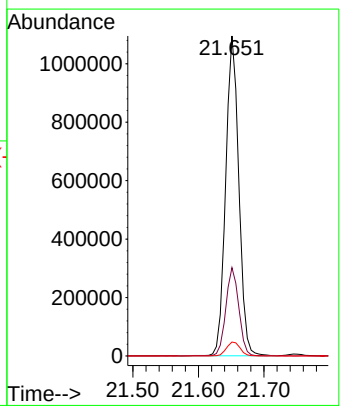
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

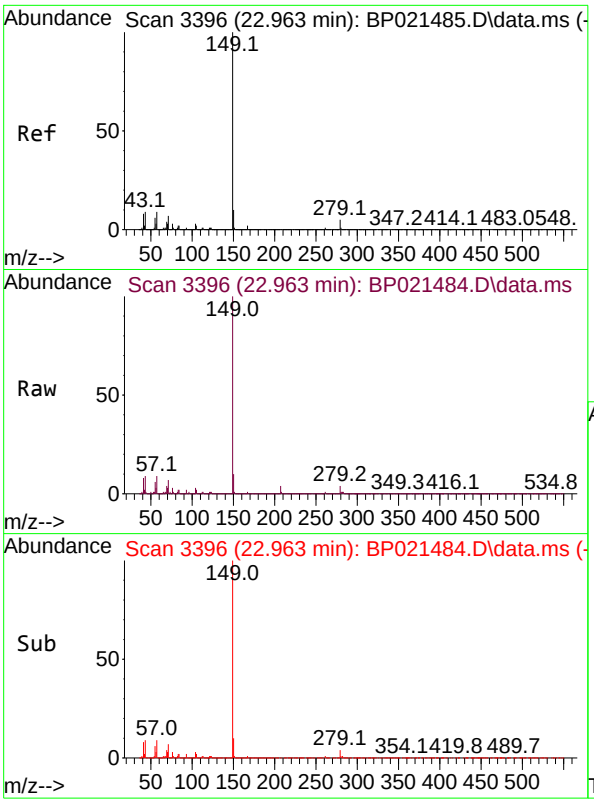


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.981 ng
RT: 21.651 min Scan# 3173
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:149 Resp: 1520788

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.3	33.5
279	4.3	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 20.217 ng
RT: 22.963 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

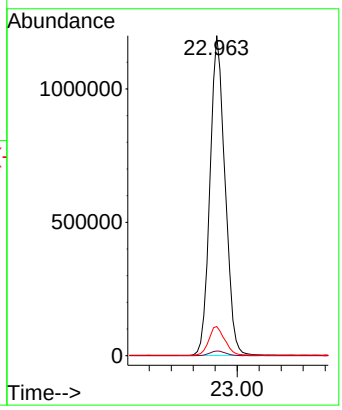
Tgt Ion:149 Resp: 228682

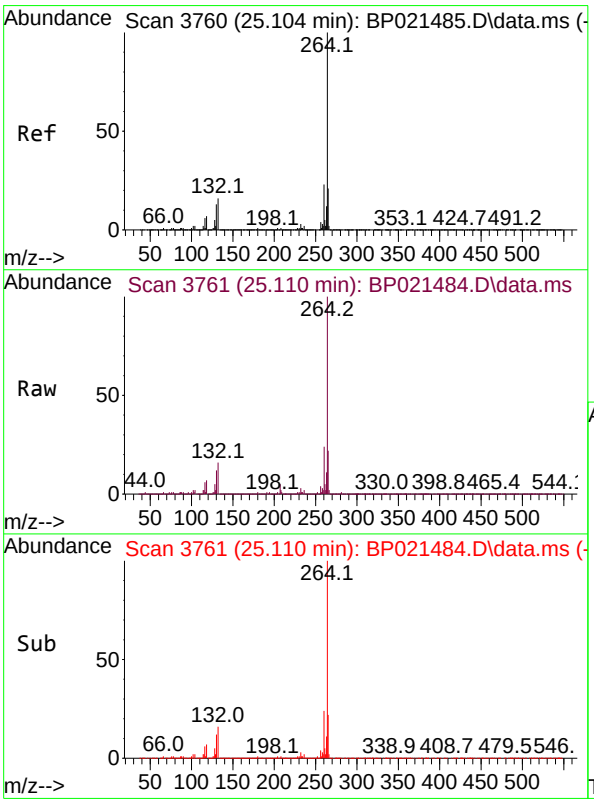
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	9.4	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

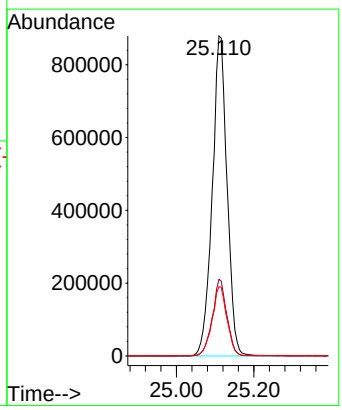


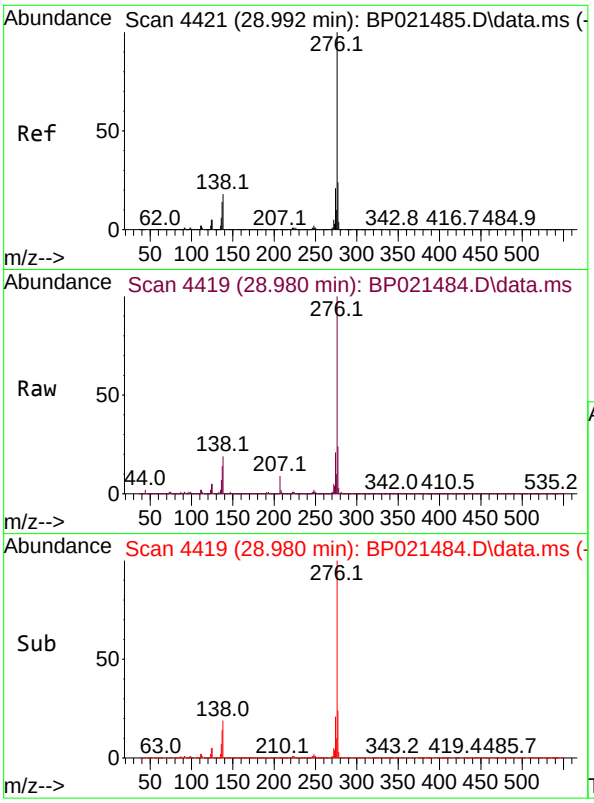


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.110 min Scan# 3761
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:264 Resp: 2332049

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.7	17.1	25.7

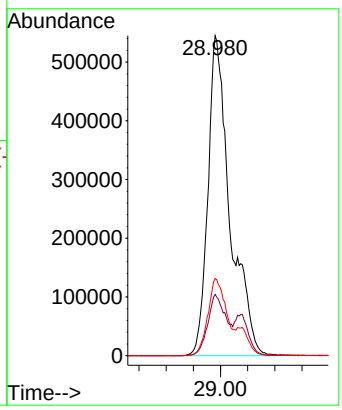




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.320 ng m
RT: 28.980 min Scan# 44
Delta R.T. -0.012 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:276 Resp: 307137

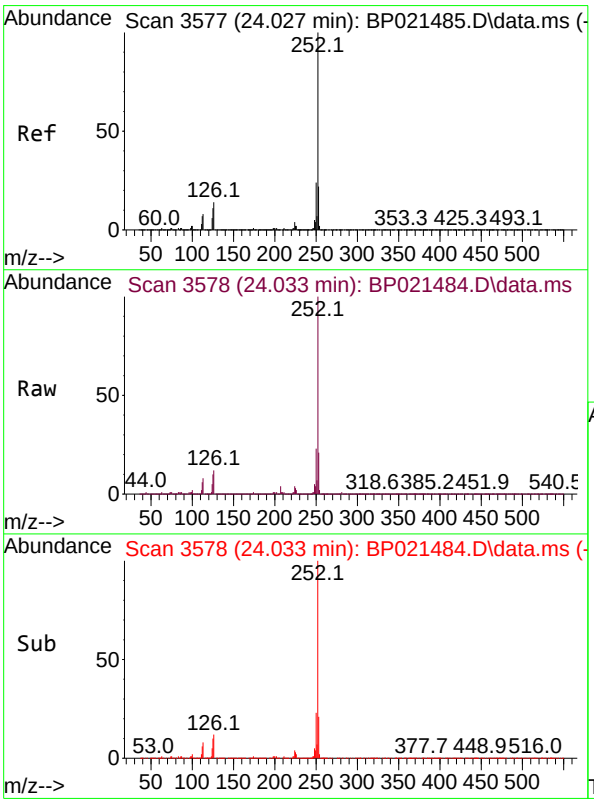
Ion	Ratio	Lower	Upper
276	100		
138	16.1	12.8	19.2
277	20.7	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

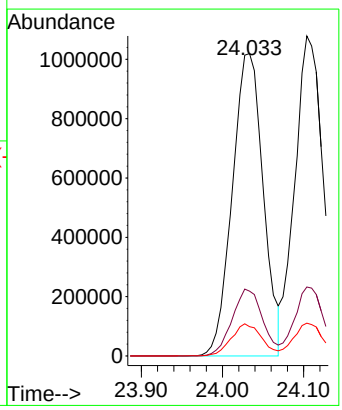
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

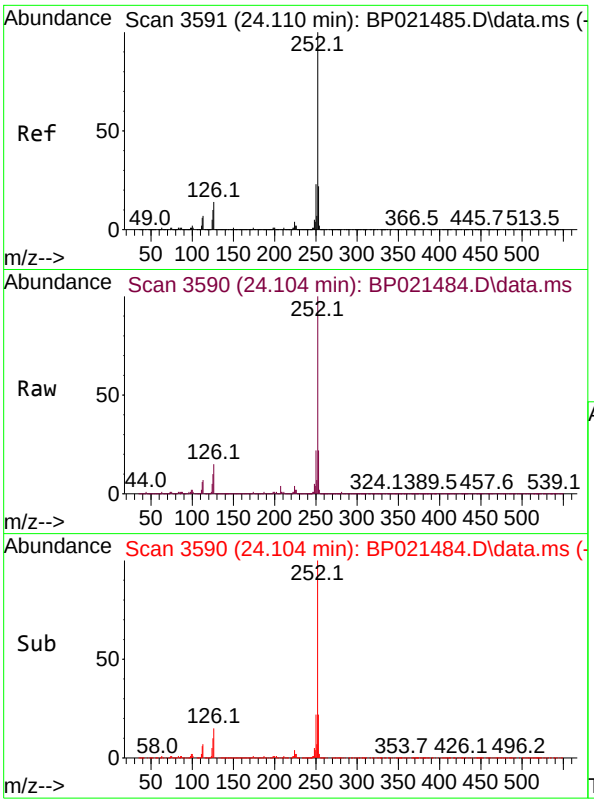


#88
Benzo(b)fluoranthene
Concen: 20.161 ng
RT: 24.033 min Scan# 3578
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 2700298

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.6	26.4
125	9.7	8.6	13.0

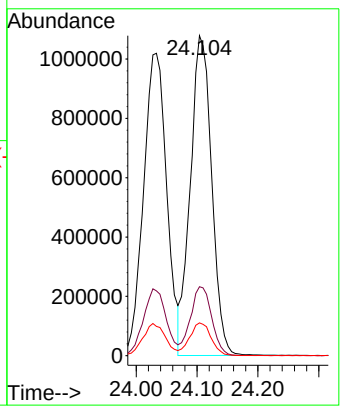




#89
Benzo(k)fluoranthene
Concen: 20.059 ng
RT: 24.104 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 262083

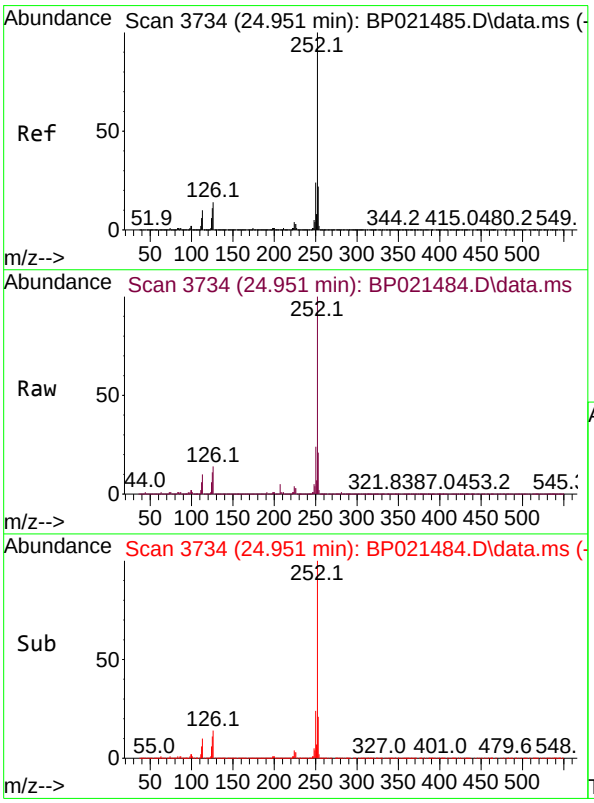
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.2	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

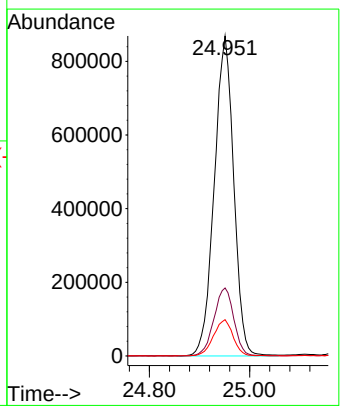
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

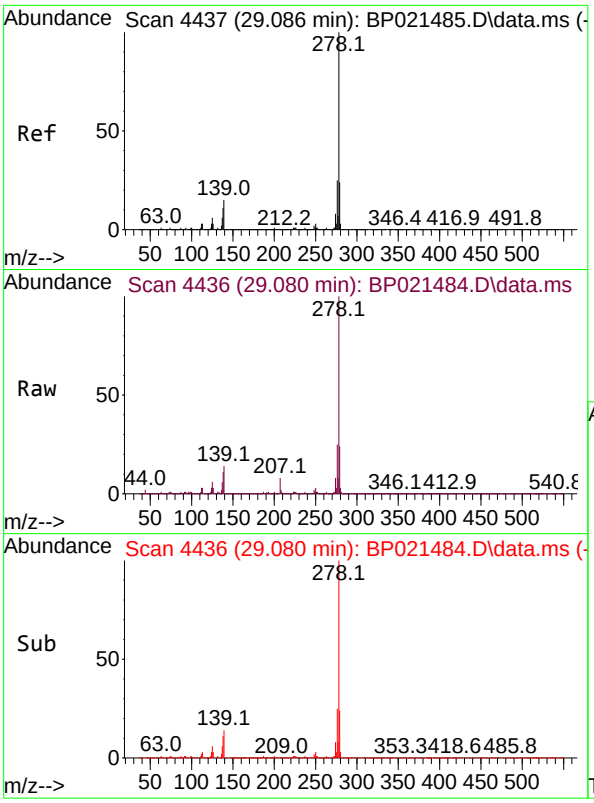


#90
Benzo(a)pyrene
Concen: 20.127 ng
RT: 24.951 min Scan# 3734
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:252 Resp: 2339364

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.7	26.5
125	11.3	8.7	13.1

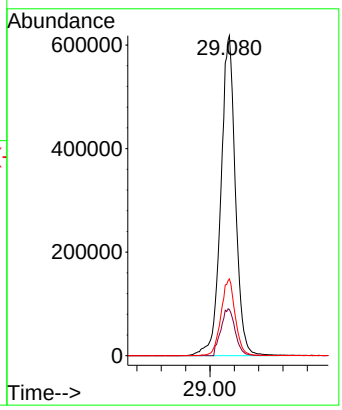




#91
Dibenzo(a,h)anthracene
Concen: 20.539 ng
RT: 29.080 min Scan# 4
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:278 Resp: 257976

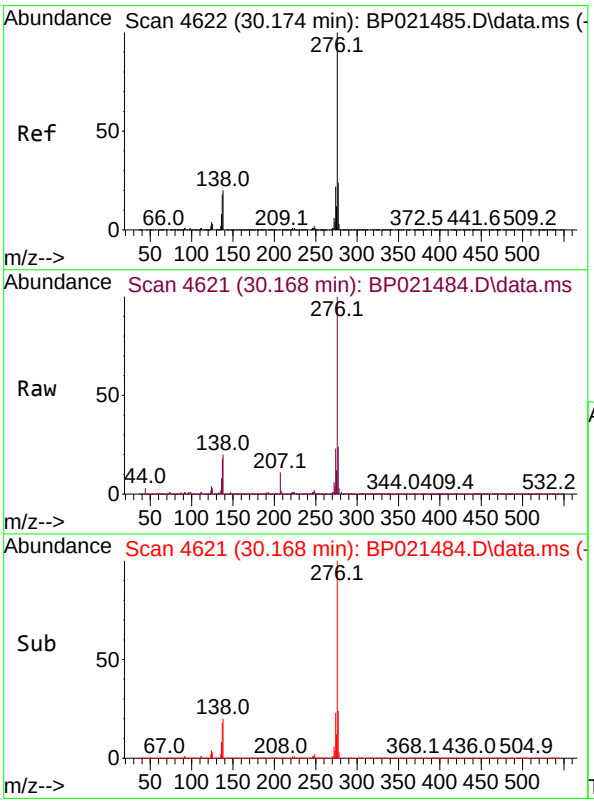
Ion	Ratio	Lower	Upper
278	100		
139	14.4	12.2	18.4
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

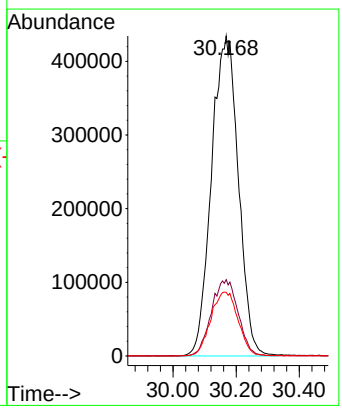
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 20.300 ng
RT: 30.168 min Scan# 4621
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Tgt Ion:276 Resp: 2555517

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	19.9	16.0	24.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021485.D
Acq On : 13 Aug 2024 15:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 13 23:53:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.811	152	334672	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	1379126	20.000	ng	0.00
39) Acenaphthene-d10	14.457	164	890240	20.000	ng	0.00
64) Phenanthrene-d10	17.251	188	1905279	20.000	ng	0.00
76) Chrysene-d12	21.698	240	1820074	20.000	ng	0.00
86) Perylene-d12	25.104	264	2085332	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1804372	80.056	ng	0.00
7) Phenol-d6	6.964	99	2647910	80.535	ng	0.00
23) Nitrobenzene-d5	8.952	82	2262476	84.675	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	840745	84.855	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	4724987	81.001	ng	0.00
79) Terphenyl-d14	19.975	244	7322059	78.155	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	429612	40.199	ng	100
3) Pyridine	3.705	79	1205871m	40.419	ng	
4) n-Nitrosodimethylamine	3.617	42	356290	39.732	ng	100
6) Aniline	7.134	93	1324158	40.285	ng	100
8) 2-Chlorophenol	7.375	128	836602	40.166	ng	100
9) Benzaldehyde	6.946	77	801968	38.095	ng	100
10) Phenol	6.987	94	1368534	40.195	ng	100
11) bis(2-Chloroethyl)ether	7.228	93	1139337	39.547	ng	100
12) 1,3-Dichlorobenzene	7.699	146	972133	39.292	ng	100
13) 1,4-Dichlorobenzene	7.840	146	987045	39.509	ng	100
14) 1,2-Dichlorobenzene	8.158	146	943886	39.206	ng	100
15) Benzyl Alcohol	8.034	79	947378	40.158	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.334	45	1035140	39.016	ng	100
17) 2-Methylphenol	8.234	107	863176	40.102	ng	100
18) Hexachloroethane	8.893	117	397406	39.668	ng	100
19) n-Nitroso-di-n-propyla...	8.605	70	897052	39.497	ng	100
20) 3+4-Methylphenols	8.558	107	1176757	40.546	ng	100
22) Acetophenone	8.616	105	1688225	39.846	ng	100
24) Nitrobenzene	8.993	77	1221296	42.085	ng	100
25) Isophorone	9.522	82	2519531	39.915	ng	100
26) 2-Nitrophenol	9.699	139	259209	39.575	ng	100
27) 2,4-Dimethylphenol	9.758	122	621559	39.900	ng	100
28) bis(2-Chloroethoxy)met...	10.005	93	1515653	39.336	ng	100
29) 2,4-Dichlorophenol	10.240	162	751870	40.849	ng	100
30) 1,2,4-Trichlorobenzene	10.457	180	938177	39.757	ng	100
31) Naphthalene	10.646	128	2870666	39.845	ng	100
32) Benzoic acid	9.875	122	356582	38.509	ng	100
33) 4-Chloroaniline	10.740	127	1090714	40.303	ng	100
34) Hexachlorobutadiene	10.940	225	594148	39.989	ng	100
35) Caprolactam	11.499	113	314109	41.005	ng	100
36) 4-Chloro-3-methylphenol	11.863	107	1055054	41.323	ng	100
37) 2-Methylnaphthalene	12.263	142	1944719	39.550	ng	100
38) 1-Methylnaphthalene	12.481	142	1921454	39.621	ng	100
40) 1,2,4,5-Tetrachloroben...	12.628	216	1058707	40.588	ng	100
41) Hexachlorocyclopentadiene	12.622	237	341369	41.293	ng	100
43) 2,4,6-Trichlorophenol	12.869	196	610003	42.100	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021485.D
Acq On : 13 Aug 2024 15:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:53:03 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	680956	42.300	ng	100
46) 1,1'-Biphenyl	13.281	154	2542708	40.370	ng	100
47) 2-Chloronaphthalene	13.316	162	1987834	40.538	ng	100
48) 2-Nitroaniline	13.504	65	506883	38.074	ng	100
49) Acenaphthylene	14.169	152	2928814	40.630	ng	100
50) Dimethylphthalate	13.910	163	2408078	40.392	ng	100
51) 2,6-Dinitrotoluene	14.022	165	454687	38.650	ng	100
52) Acenaphthene	14.522	154	1911119	40.406	ng	100
53) 3-Nitroaniline	14.351	138	452937	39.107	ng	100
54) 2,4-Dinitrophenol	14.551	184	116797	38.943	ng	100
55) Dibenzofuran	14.857	168	2936517	40.359	ng	100
56) 4-Nitrophenol	14.651	139	358912	39.073	ng	100
57) 2,4-Dinitrotoluene	14.810	165	570222	38.397	ng	100
58) Fluorene	15.516	166	2410461	40.326	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.087	232	584357	42.766	ng	100
60) Diethylphthalate	15.304	149	2486968	40.656	ng	100
61) 4-Chlorophenyl-phenyle...	15.522	204	1236572	40.022	ng	100
62) 4-Nitroaniline	15.528	138	485672	40.451	ng	100
63) Azobenzene	15.822	77	3052445	40.594	ng	100
65) 4,6-Dinitro-2-methylph...	15.587	198	199156	38.603	ng	100
66) n-Nitrosodiphenylamine	15.740	169	2051265	40.175	ng	100
67) 4-Bromophenyl-phenylether	16.439	248	790673	39.211	ng	100
68) Hexachlorobenzene	16.551	284	958921	40.240	ng	100
69) Atrazine	16.716	200	726072	41.419	ng	100
70) Pentachlorophenol	16.892	266	520400	40.011	ng	100
71) Phenanthrene	17.298	178	3678868	40.150	ng	100
72) Anthracene	17.398	178	3619950	40.283	ng	100
73) Carbazole	17.669	167	3543089	40.912	ng	100
74) Di-n-butylphthalate	18.275	149	4378720	41.170	ng	100
75) Fluoranthene	19.381	202	4572881	40.674	ng	100
77) Benzidine	19.575	184	1735103	41.023	ng	100
78) Pyrene	19.751	202	4694393	39.461	ng	100
80) Butylbenzylphthalate	20.710	149	1712106	38.676	ng	100
81) Benzo(a)anthracene	21.680	228	4615389	40.395	ng	100
82) 3,3'-Dichlorobenzidine	21.610	252	1559563	42.572	ng	100
83) Chrysene	21.751	228	4358695	40.405	ng	100
84) Bis(2-ethylhexyl)phtha...	21.645	149	2841806	42.082	ng	100
85) Di-n-octyl phthalate	22.963	149	4538217	39.238	ng	100
87) Indeno(1,2,3-cd)pyrene	28.992	276	5533549m	40.941	ng	
88) Benzo(b)fluoranthene	24.027	252	4815875	40.211	ng	100
89) Benzo(k)fluoranthene	24.110	252	4757000	40.717	ng	100
90) Benzo(a)pyrene	24.951	252	4221348	40.616	ng	100
91) Dibenzo(a,h)anthracene	29.086	278	4594554	40.908	ng	100
92) Benzo(g,h,i)perylene	30.174	276	4595577	40.824	ng	100

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

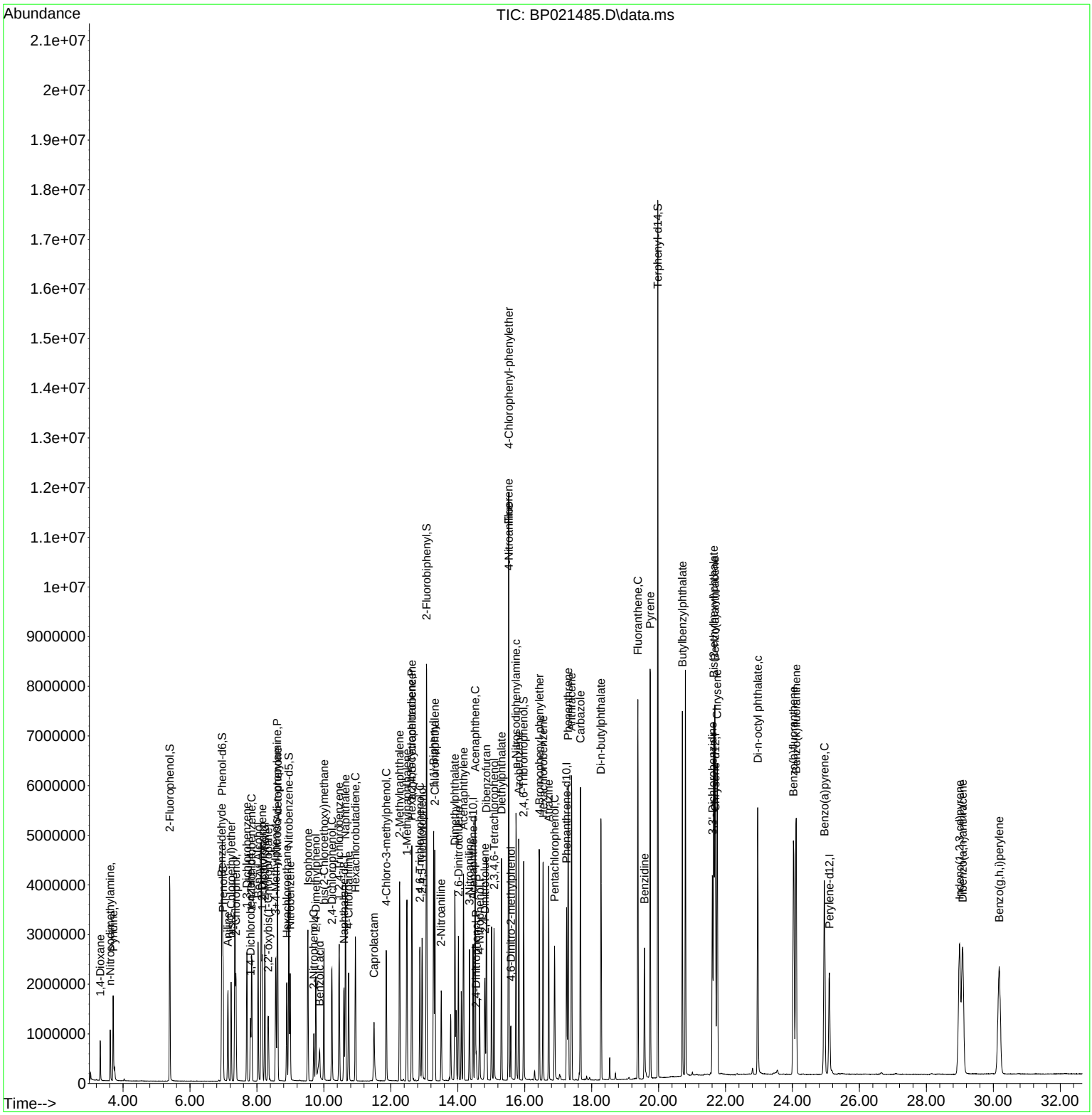
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Data File : BP021485.D
Acq On : 13 Aug 2024 15:26
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

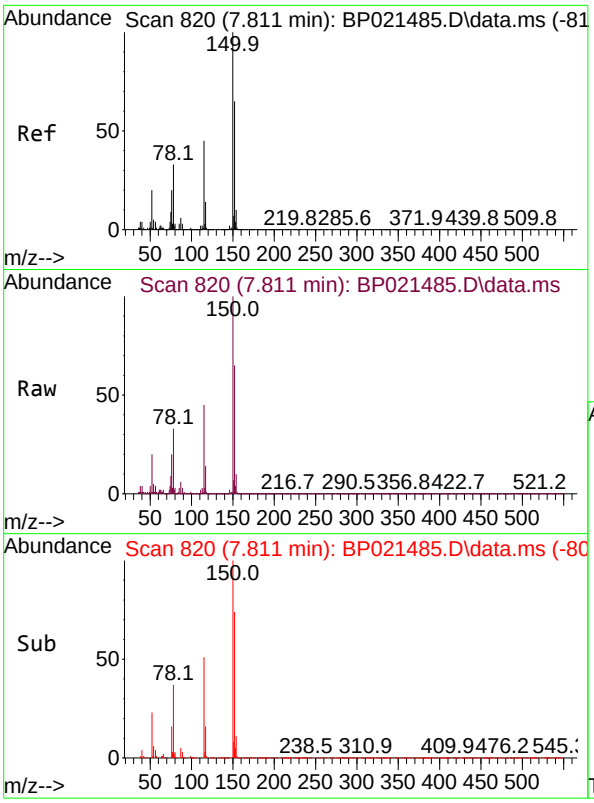
Quant Time: Aug 13 23:53:03 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

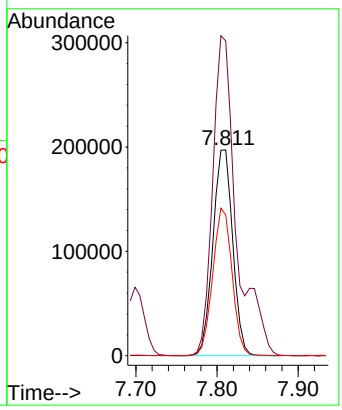




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

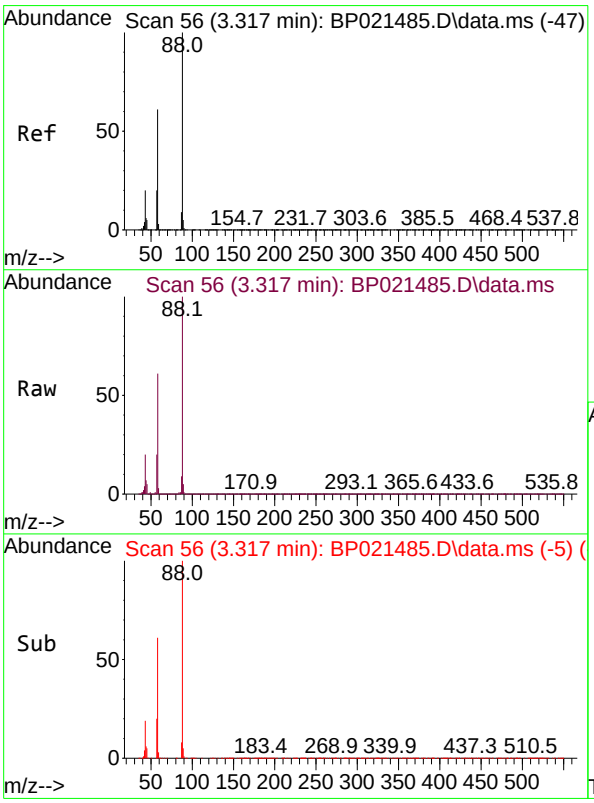
Tgt Ion:152 Resp: 33467

Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.4	183.6
115	68.4	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

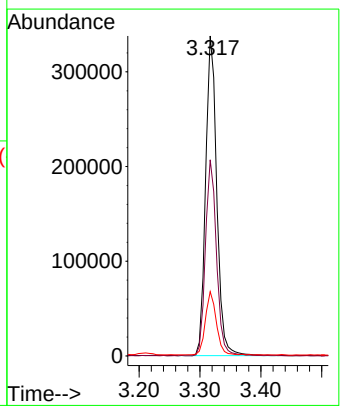
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

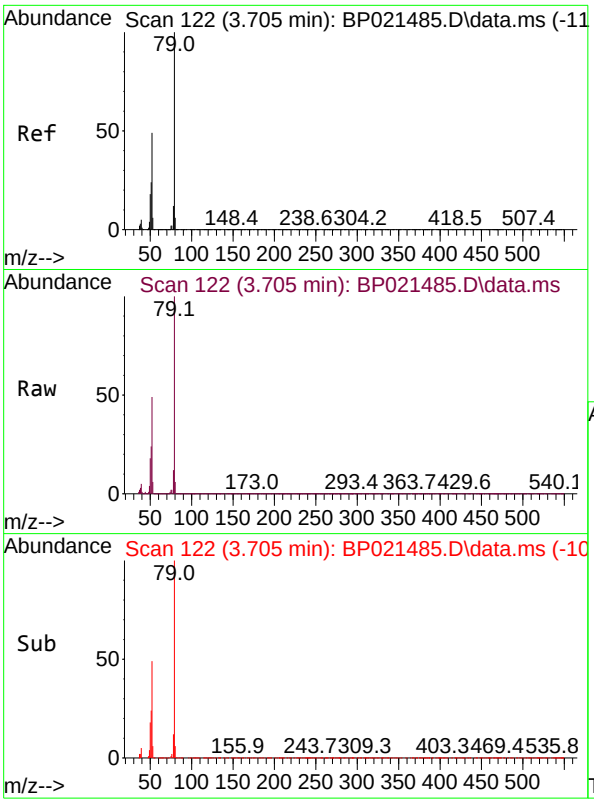


#2
1,4-Dioxane
Concen: 40.199 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 88 Resp: 429612

Ion	Ratio	Lower	Upper
88	100		
58	60.9	48.7	73.1
43	19.3	15.4	23.2

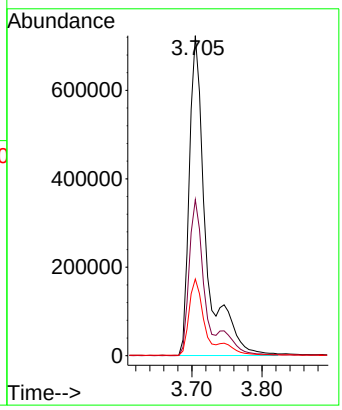




#3
Pyridine
Concen: 40.419 ng m
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 79 Resp: 120587

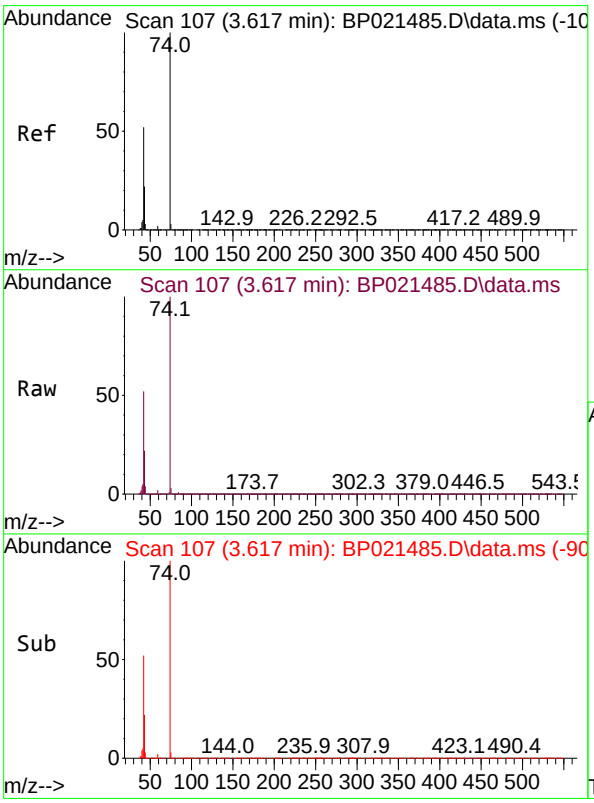
Ion	Ratio	Lower	Upper
79	100		
52	48.8	39.0	58.6
51	24.0	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

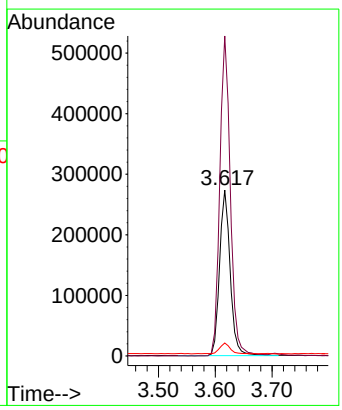
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

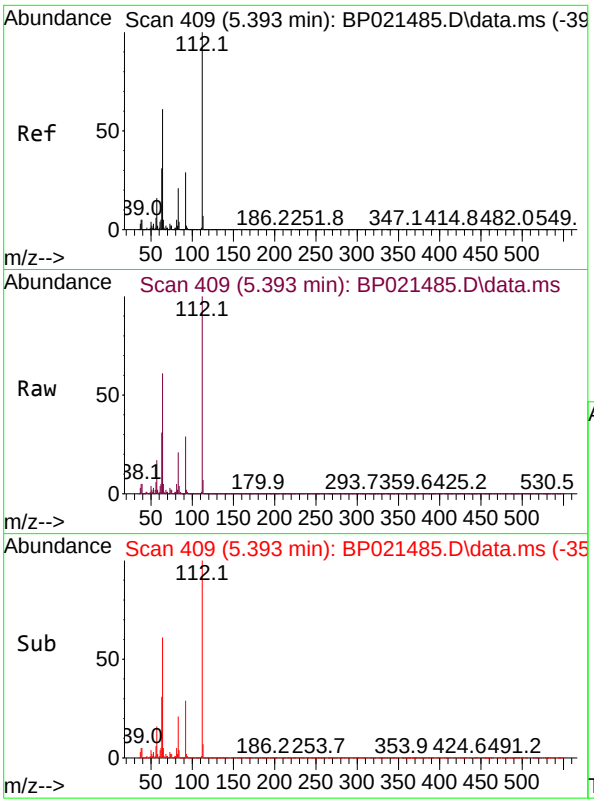


#4
n-Nitrosodimethylamine
Concen: 39.732 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 42 Resp: 356290

Ion	Ratio	Lower	Upper
42	100		
74	192.9	154.3	231.5
44	7.8	6.2	9.4





#5
2-Fluorophenol
Concen: 80.056 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

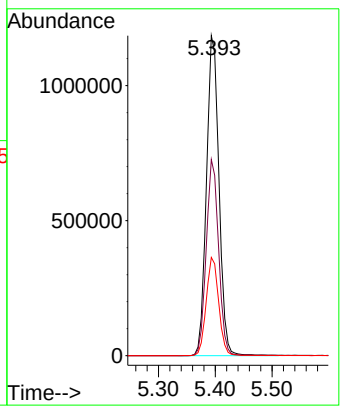
Tgt Ion:112 Resp: 180437

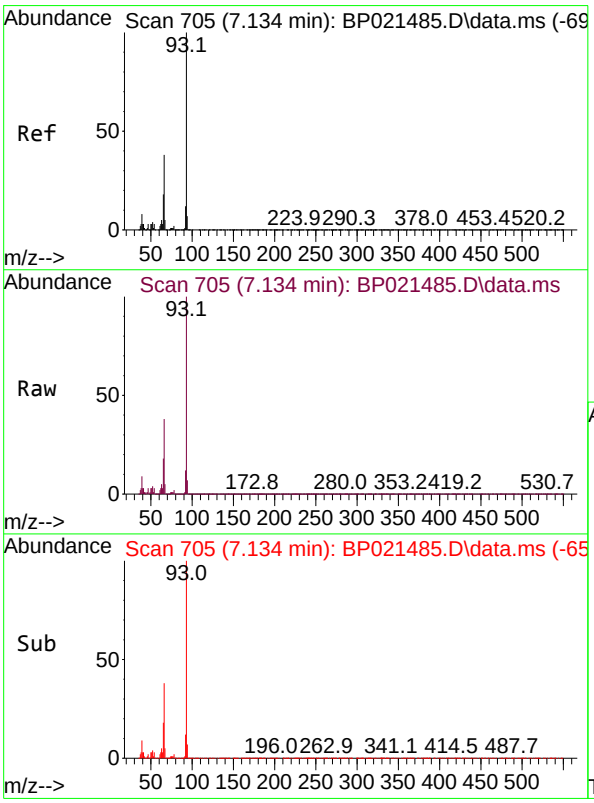
Ion	Ratio	Lower	Upper
112	100		
64	61.3	49.0	73.6
63	30.7	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

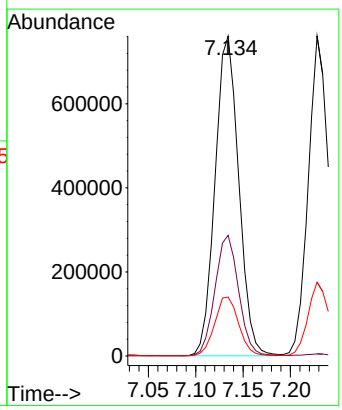


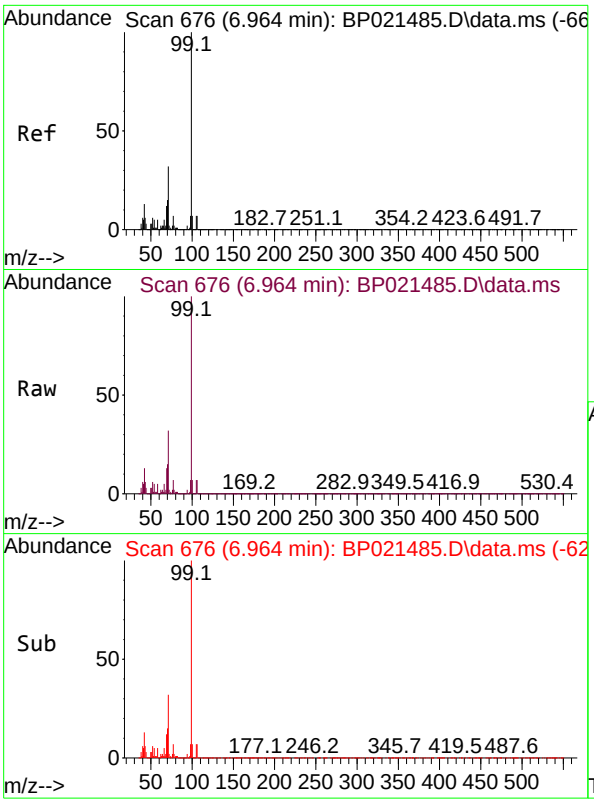


#6
Aniline
Concen: 40.285 ng
RT: 7.134 min Scan# 705
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 93 Resp: 1324158

Ion	Ratio	Lower	Upper
93	100		
66	37.7	30.2	45.2
65	18.4	14.7	22.1

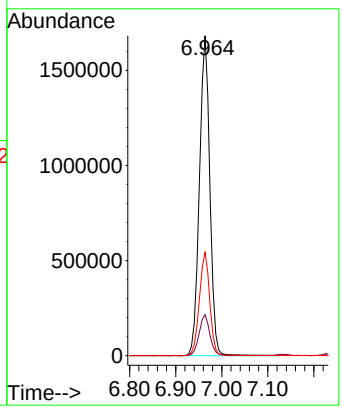




#7
Phenol-d6
Concen: 80.535 ng
RT: 6.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 99 Resp: 264791

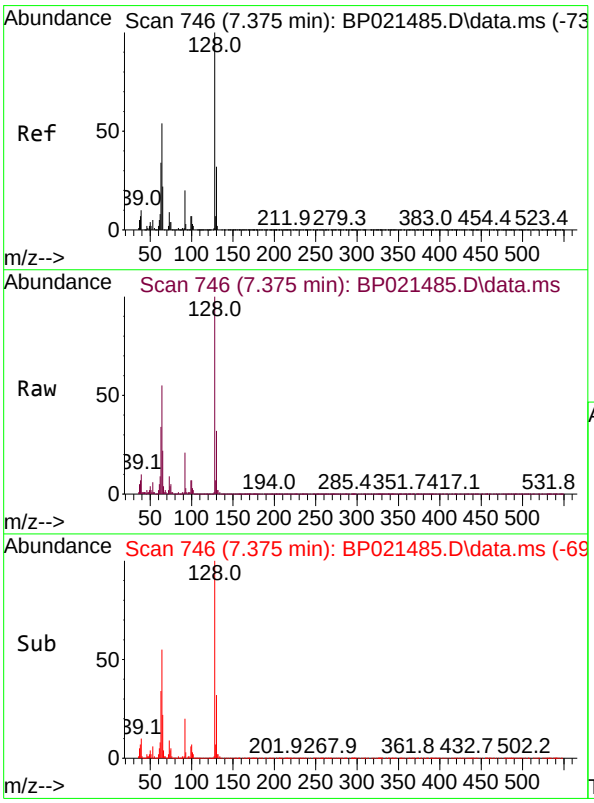
Ion	Ratio	Lower	Upper
99	100		
42	12.8	10.2	15.4
71	32.3	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

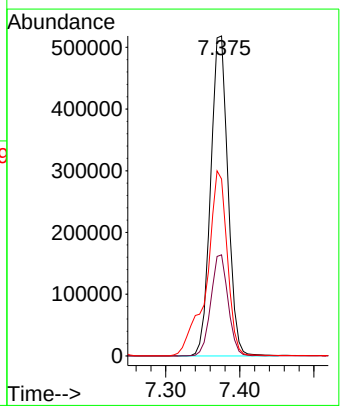
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

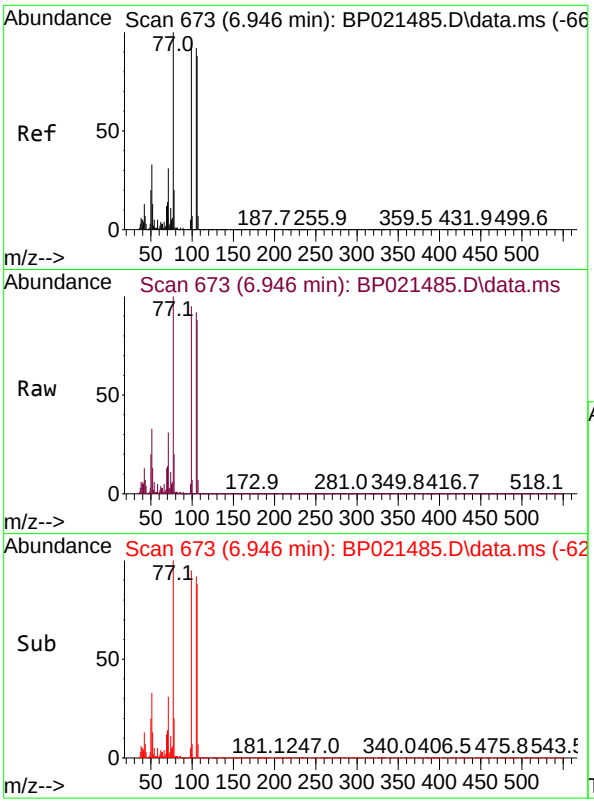


#8
2-Chlorophenol
Concen: 40.166 ng
RT: 7.375 min Scan# 746
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:128 Resp: 836602

Ion	Ratio	Lower	Upper
128	100		
130	31.6	11.6	51.6
64	55.3	35.3	75.3

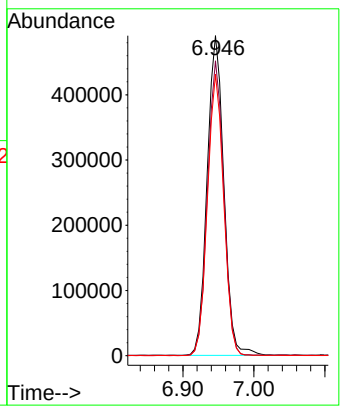




#9
Benzaldehyde
Concen: 38.095 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 77 Resp: 80196

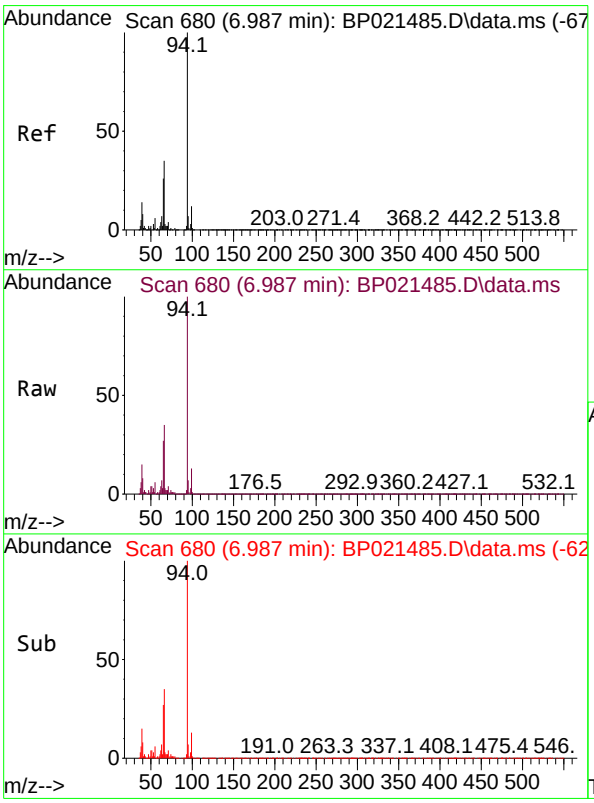
Ion	Ratio	Lower	Upper
77	100		
105	92.1	72.1	112.1
106	87.9	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

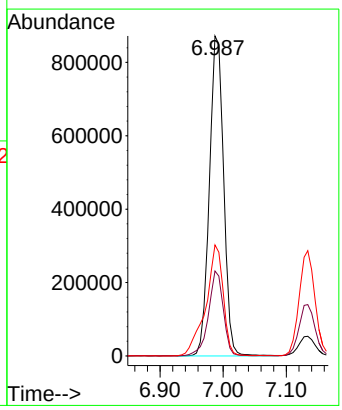
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

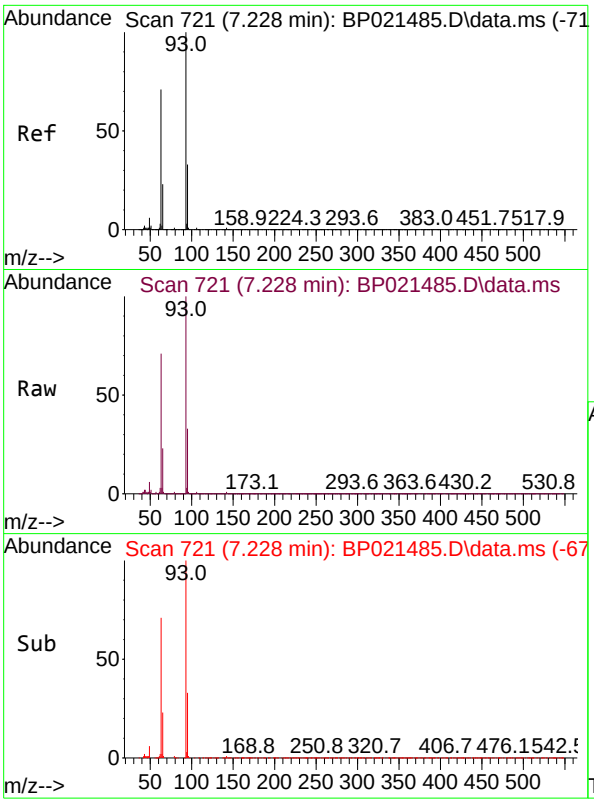


#10
Phenol
Concen: 40.195 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 94 Resp: 1368534

Ion	Ratio	Lower	Upper
94	100		
65	26.5	6.5	46.5
66	34.7	14.7	54.7

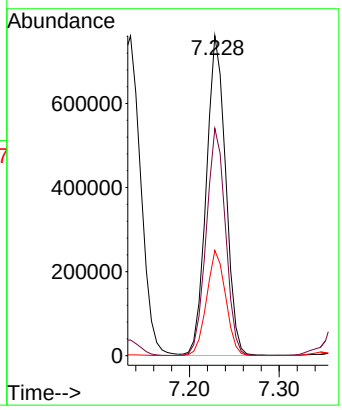




#11
bis(2-Chloroethyl)ether
Concen: 39.547 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 93 Resp: 113933

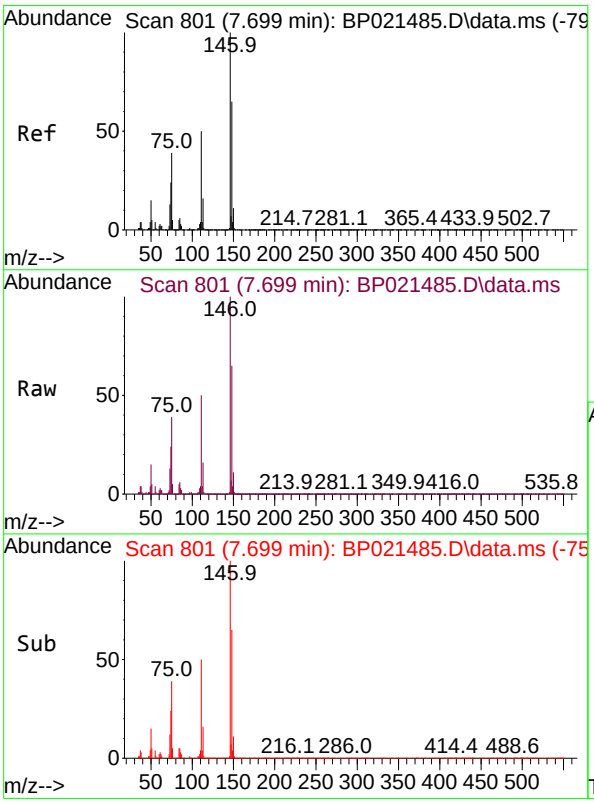
Ion	Ratio	Lower	Upper
93	100		
63	71.0	51.0	91.0
95	32.9	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

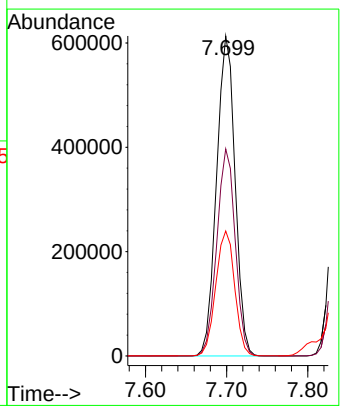
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

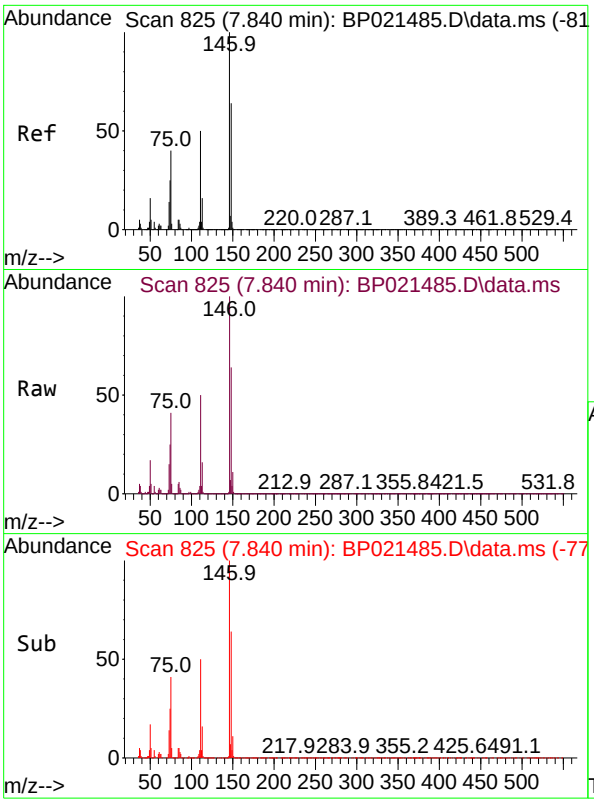


#12
1,3-Dichlorobenzene
Concen: 39.292 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:146 Resp: 972133

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.6
75	39.1	31.3	46.9

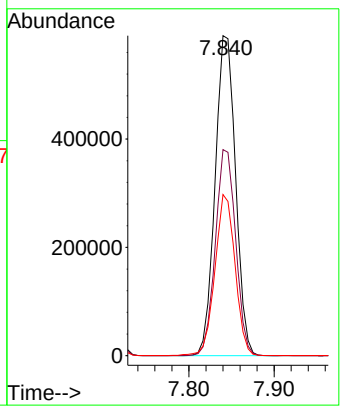




#13
1,4-Dichlorobenzene
Concen: 39.509 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:146 Resp: 98704

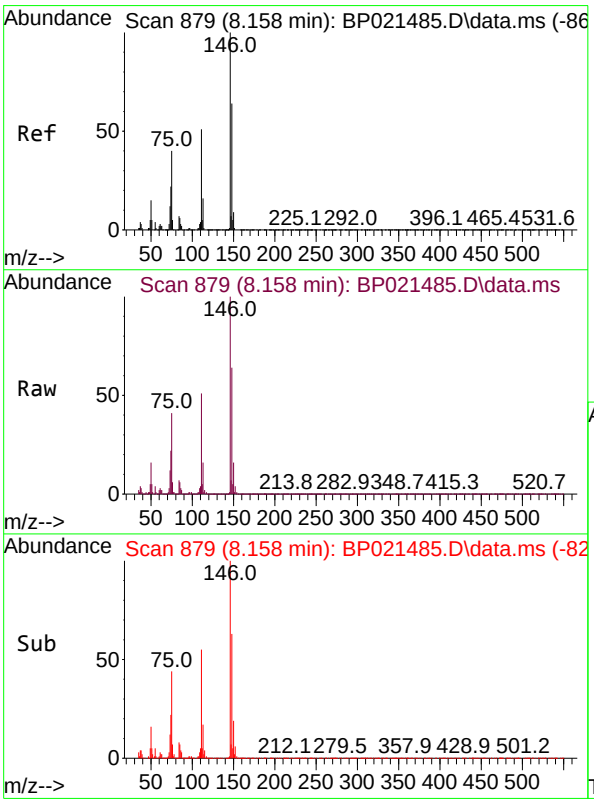
Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	50.4	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

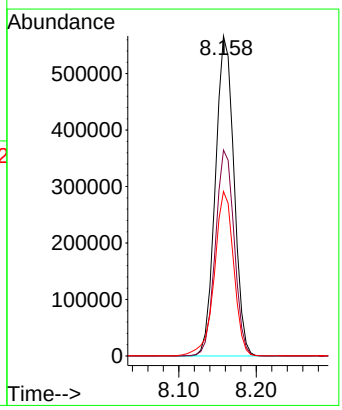
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

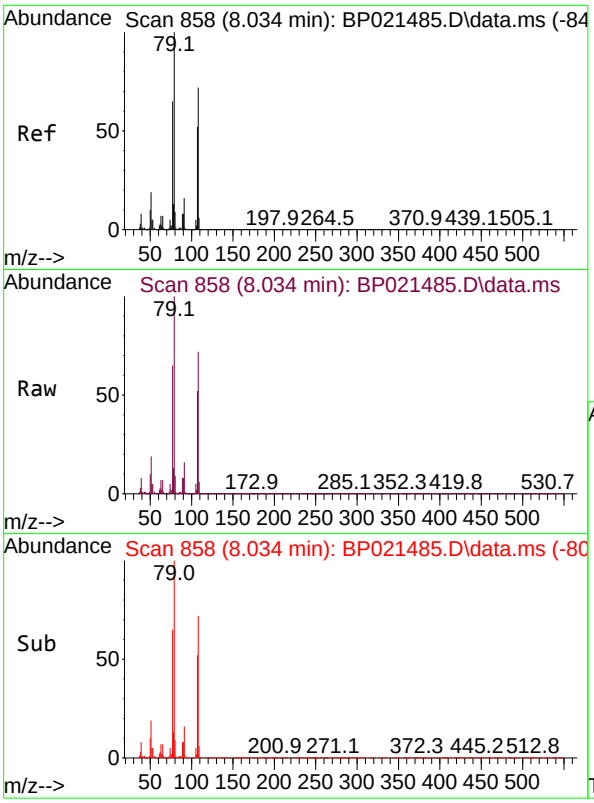


#14
1,2-Dichlorobenzene
Concen: 39.206 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:146 Resp: 943886

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	51.4	41.1	61.7

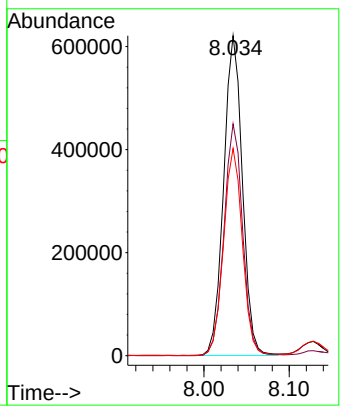




#15
Benzyl Alcohol
Concen: 40.158 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 79 Resp: 94737

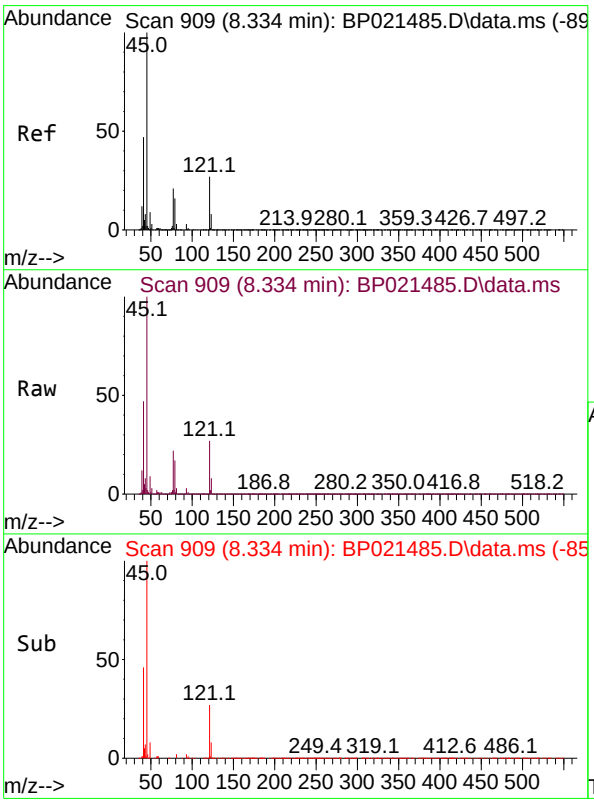
Ion	Ratio	Lower	Upper
79	100		
108	72.4	57.9	86.9
77	64.8	51.8	77.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

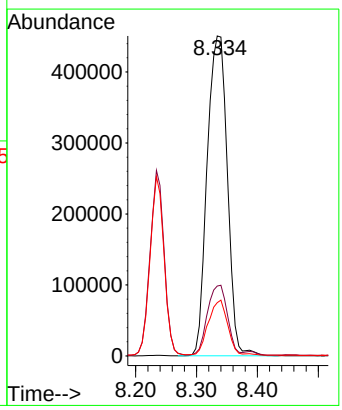
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

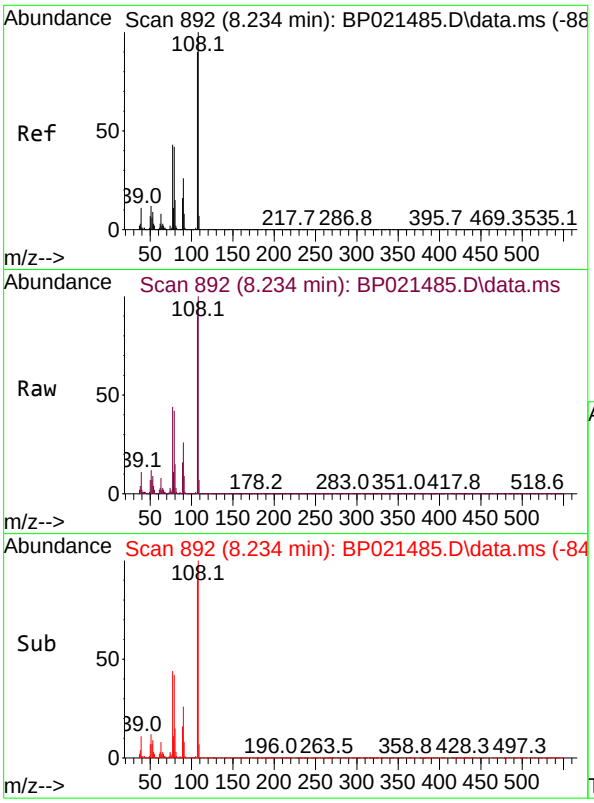


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.016 ng
RT: 8.334 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 45 Resp: 1035140

Ion	Ratio	Lower	Upper
45	100		
77	21.9	1.9	41.9
79	16.6	0.0	36.6

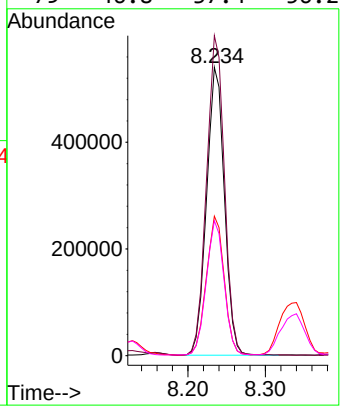




#17
2-Methylphenol
Concen: 40.102 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:107 Resp: 86317

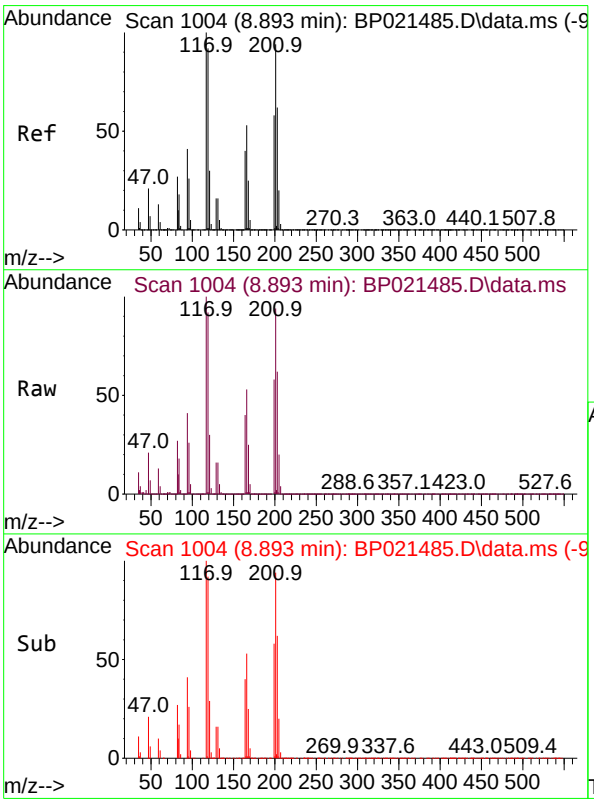
Ion	Ratio	Lower	Upper
107	100		
108	111.0	88.8	133.2
77	48.4	38.7	58.1
79	46.8	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

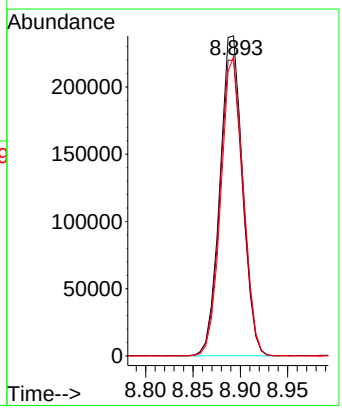
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

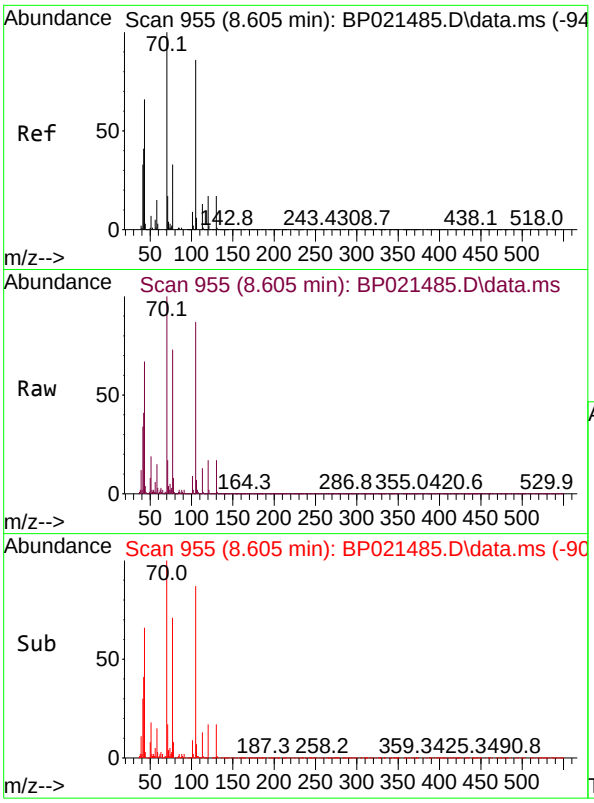


#18
Hexachloroethane
Concen: 39.668 ng
RT: 8.893 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:117 Resp: 397406

Ion	Ratio	Lower	Upper
117	100		
119	92.4	73.9	110.9
201	93.6	74.9	112.3





#19
n-Nitroso-di-n-propylamine
Concen: 39.497 ng
RT: 8.605 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

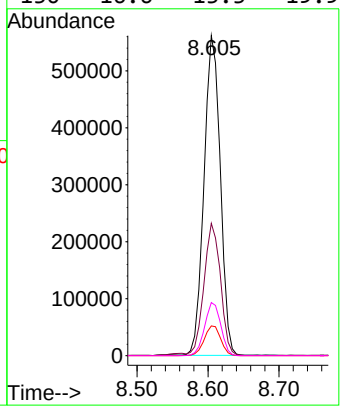
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

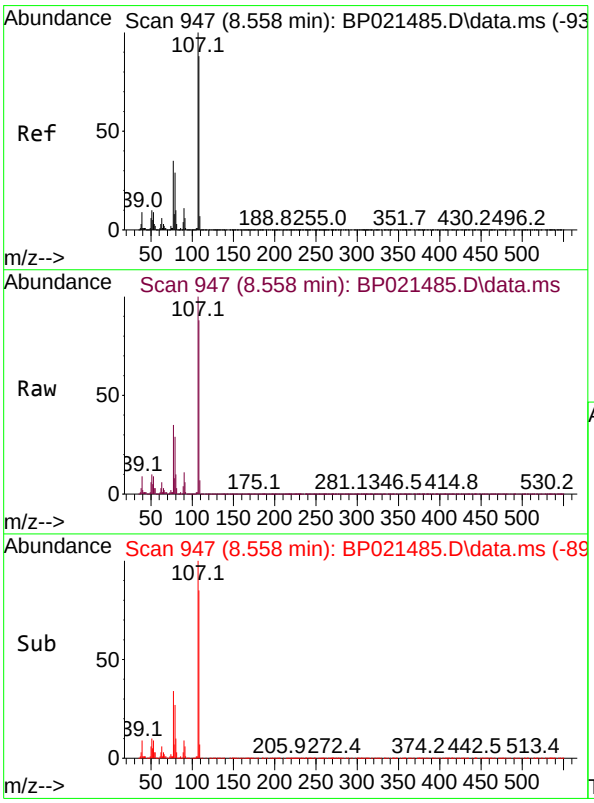
Tgt Ion: 70 Resp: 89705

Ion	Ratio	Lower	Upper
70	100		
42	41.4	33.1	49.7
101	9.3	7.4	11.2
130	16.6	13.3	19.9

Manual Integrations
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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

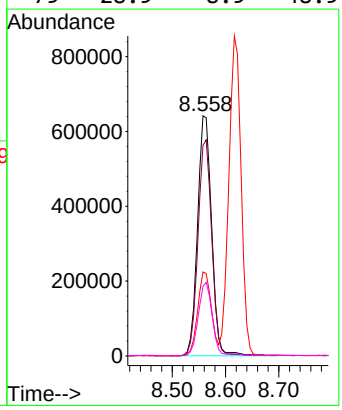


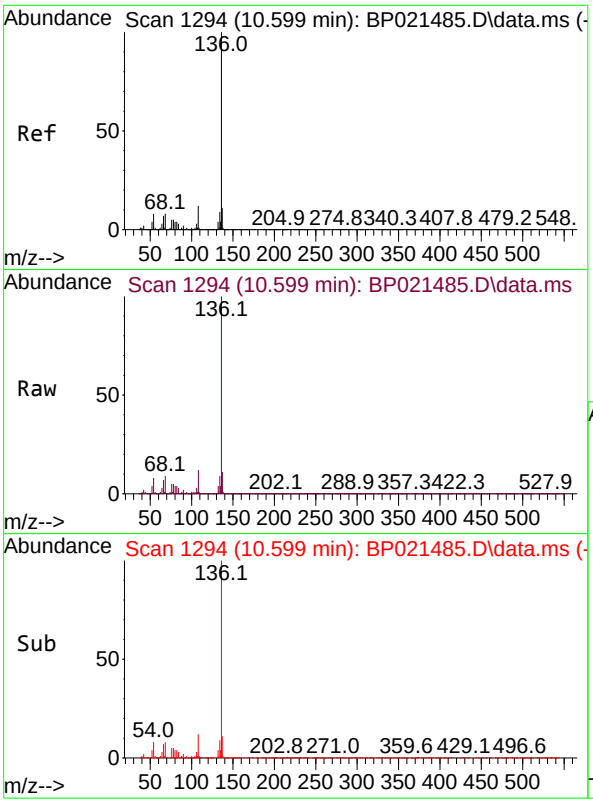


#20
3+4-Methylphenols
Concen: 40.546 ng
RT: 8.558 min Scan# 947
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:107 Resp: 1176757

Ion	Ratio	Lower	Upper
107	100		
108	87.6	67.6	107.6
77	35.0	15.0	55.0
79	28.9	8.9	48.9

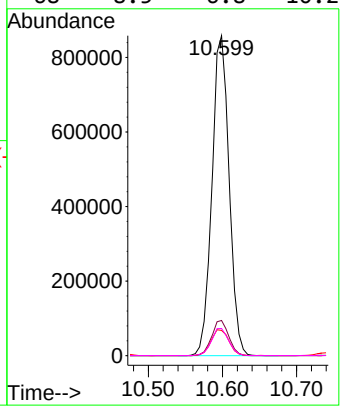




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:136 Resp: 137912

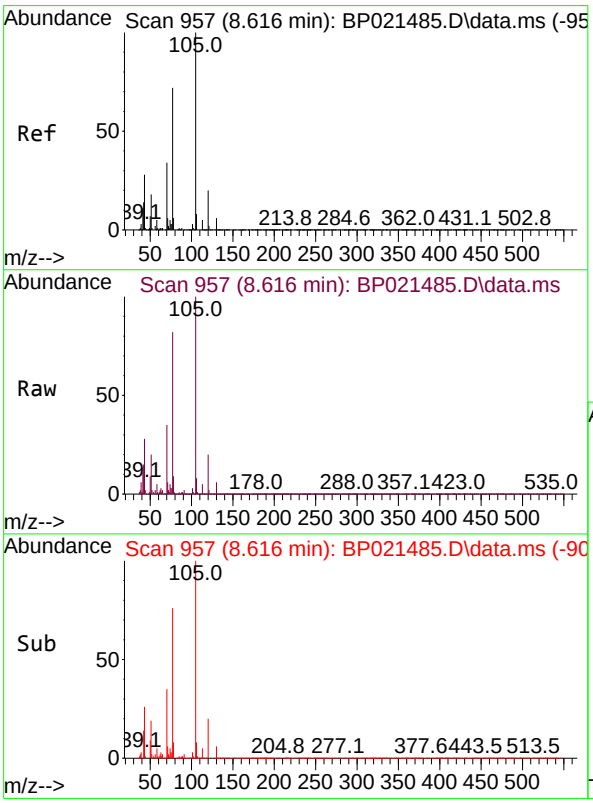
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.9	6.3	9.5
68	8.5	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

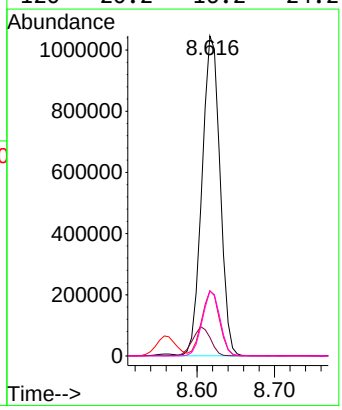
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

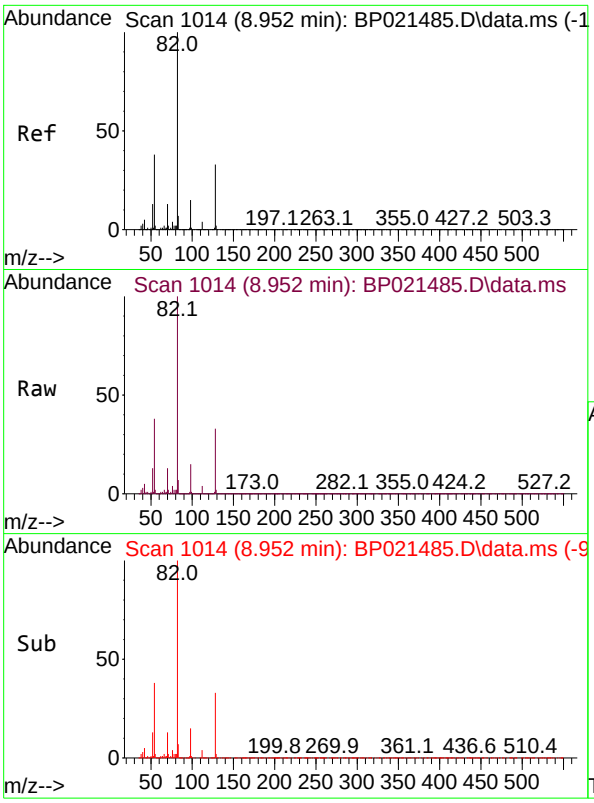


#22
Acetophenone
Concen: 39.846 ng
RT: 8.616 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:105 Resp: 1688225

Ion	Ratio	Lower	Upper
105	100		
71	5.8	4.6	7.0
51	20.4	16.3	24.5
120	20.2	16.2	24.2

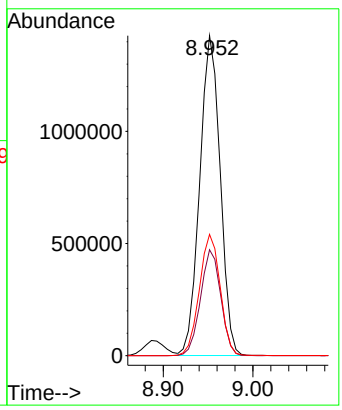




#23
Nitrobenzene-d5
Concen: 84.675 ng
RT: 8.952 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 82 Resp: 226247

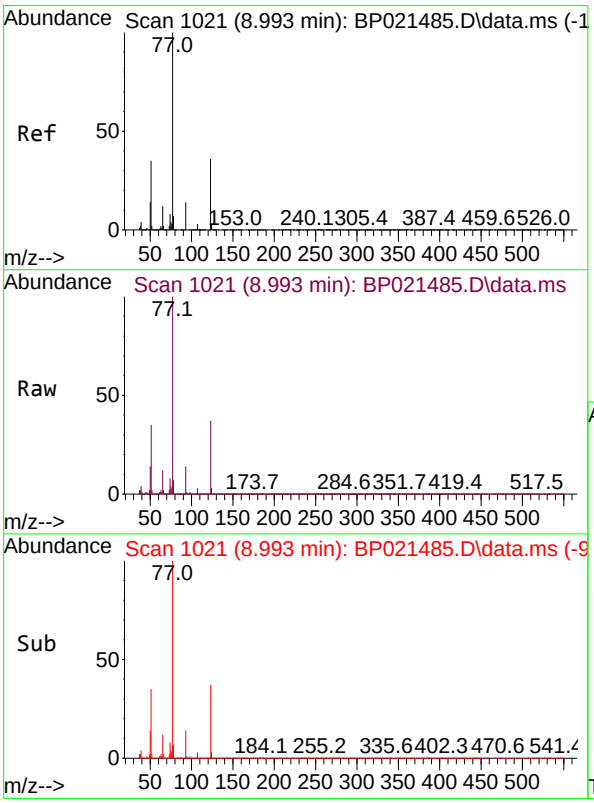
Ion	Ratio	Lower	Upper
82	100		
128	33.1	26.5	39.7
54	37.9	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

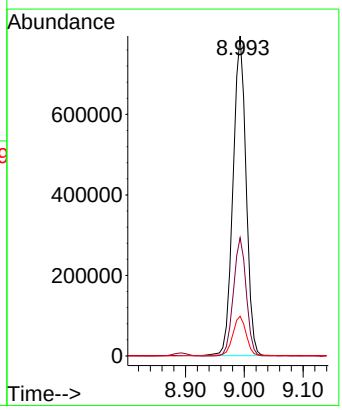
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

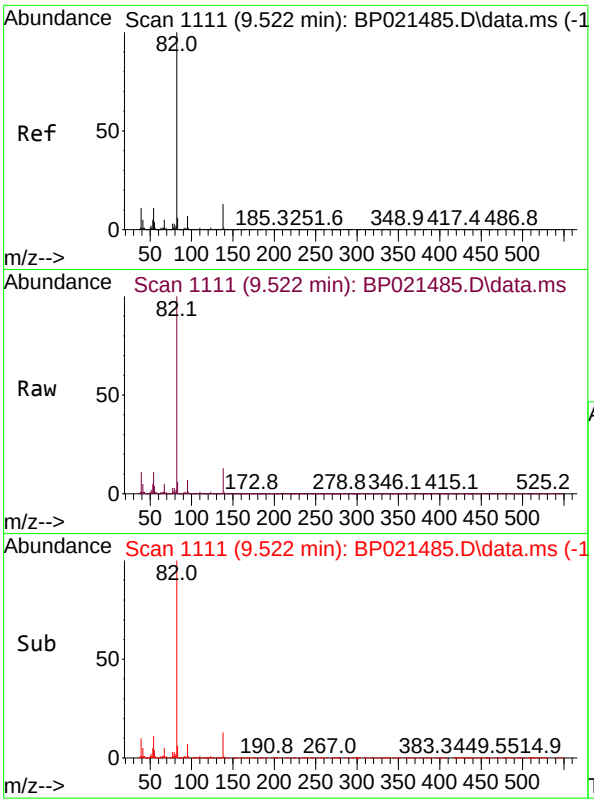


#24
Nitrobenzene
Concen: 42.085 ng
RT: 8.993 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 77 Resp: 1221296

Ion	Ratio	Lower	Upper
77	100		
123	36.9	29.5	44.3
65	12.4	9.9	14.9





#25
Isophorone
Concen: 39.915 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

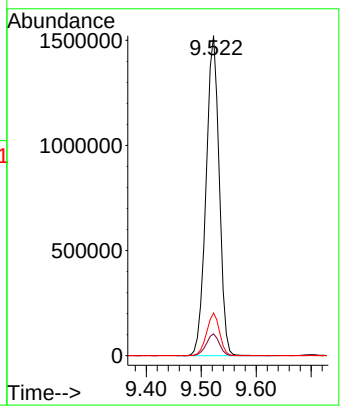
Tgt Ion: 82 Resp: 251953

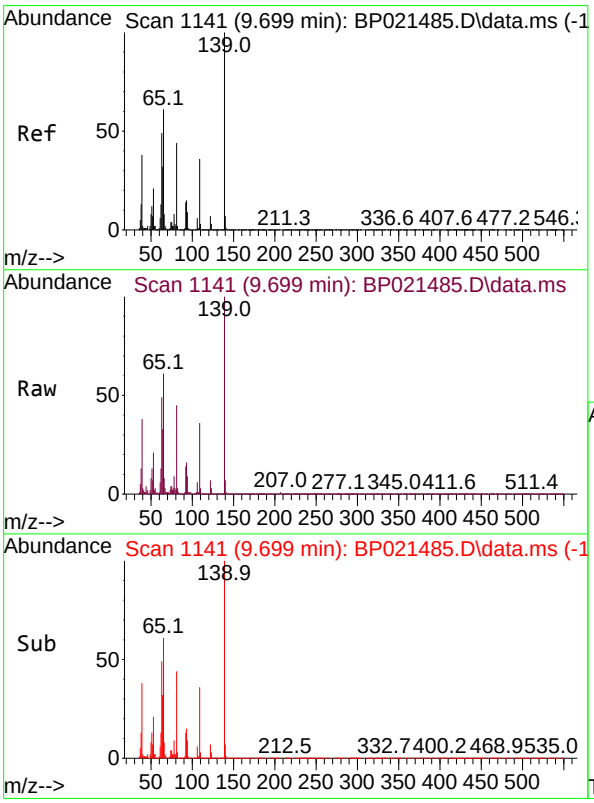
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	13.3	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

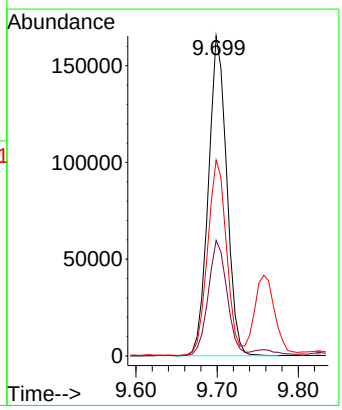


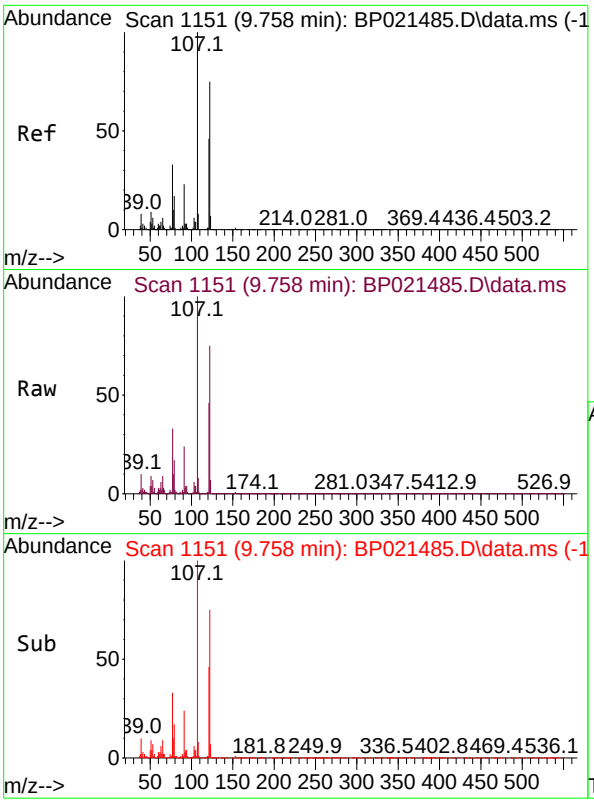


#26
2-Nitrophenol
Concen: 39.575 ng
RT: 9.699 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:139 Resp: 259209

Ion	Ratio	Lower	Upper
139	100		
109	36.1	28.9	43.3
65	61.3	49.0	73.6





#27
2,4-Dimethylphenol
Concen: 39.900 ng
RT: 9.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

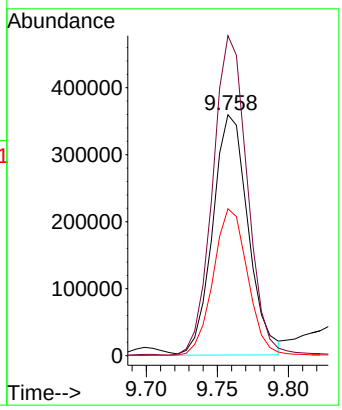
Tgt Ion:122 Resp: 62155

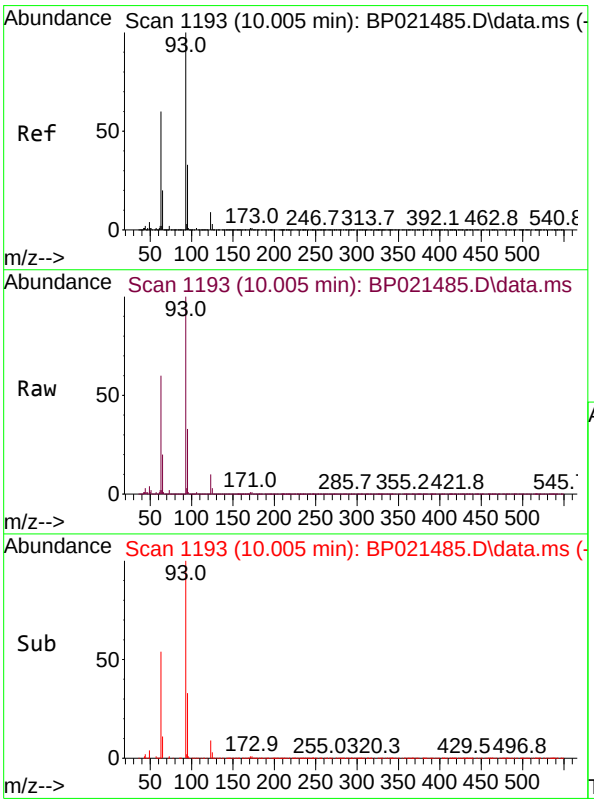
Ion	Ratio	Lower	Upper
122	100		
107	132.8	106.2	159.4
121	61.0	48.8	73.2

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

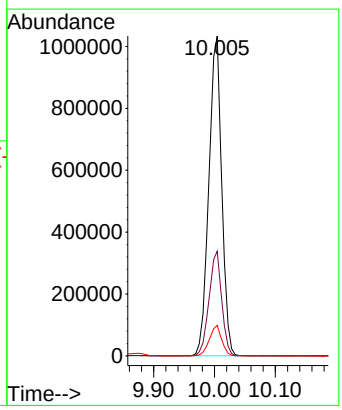


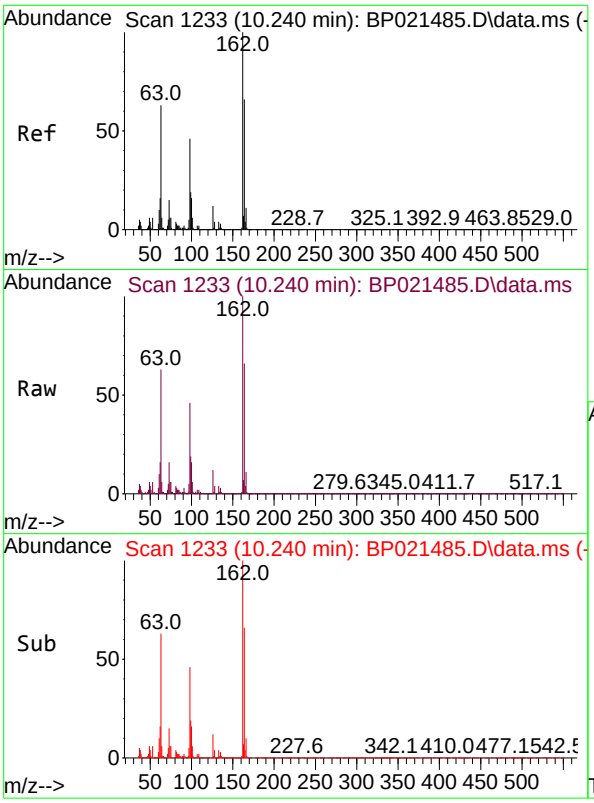


#28
bis(2-Chloroethoxy)methane
Concen: 39.336 ng
RT: 10.005 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 93 Resp: 1515653

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	9.5	7.6	11.4

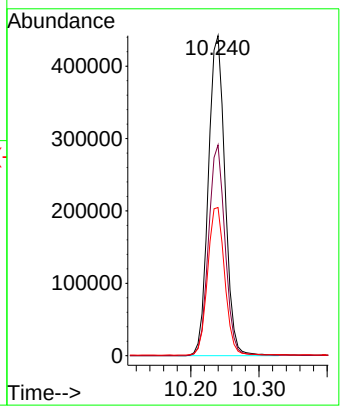




#29
2,4-Dichlorophenol
Concen: 40.849 ng
RT: 10.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:162 Resp: 75187

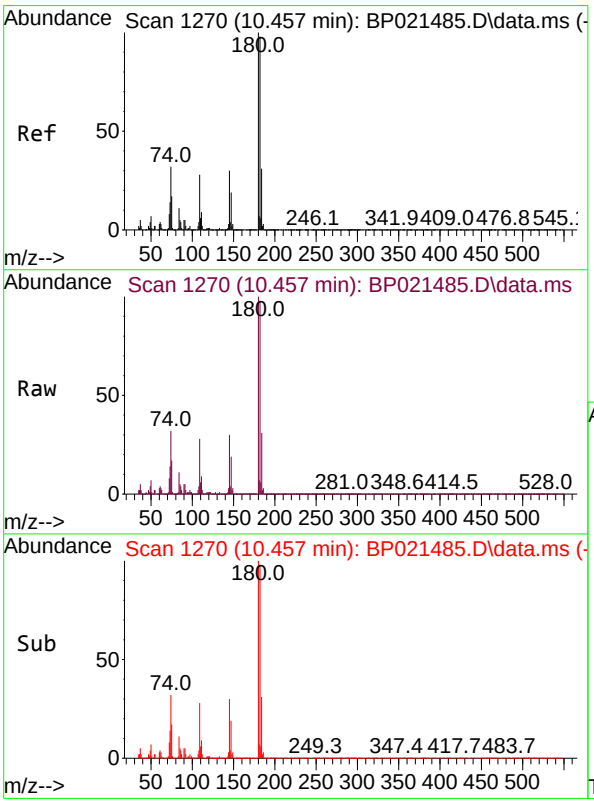
Ion	Ratio	Lower	Upper
162	100		
164	65.9	45.9	85.9
98	46.3	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

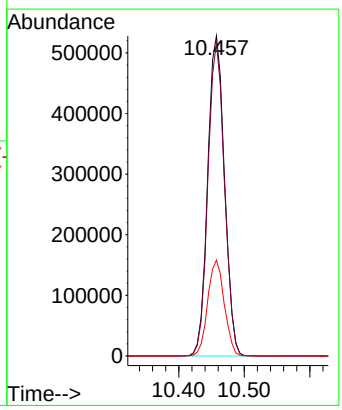
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

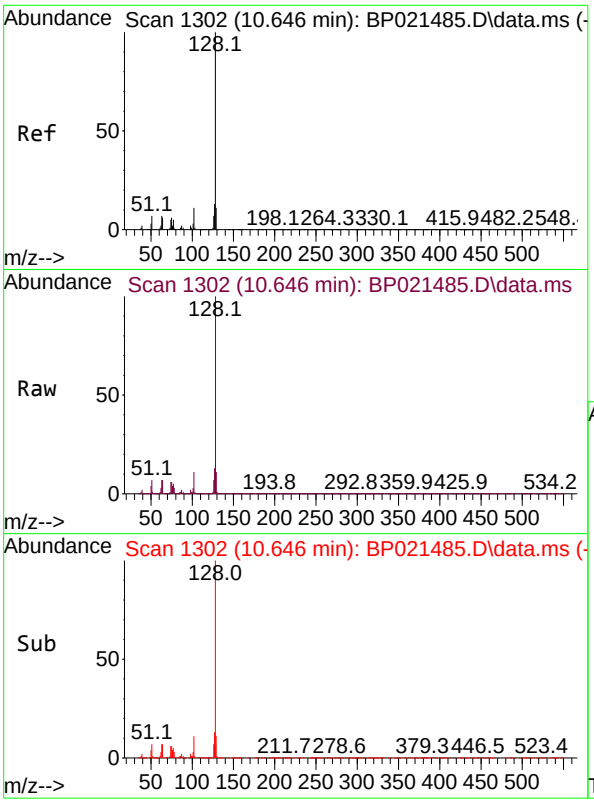


#30
1,2,4-Trichlorobenzene
Concen: 39.757 ng
RT: 10.457 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:180 Resp: 938177

Ion	Ratio	Lower	Upper
180	100		
182	97.9	78.3	117.5
145	30.0	24.0	36.0

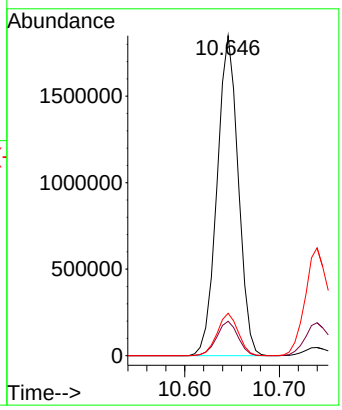




#31
Naphthalene
Concen: 39.845 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:128 Resp: 287066

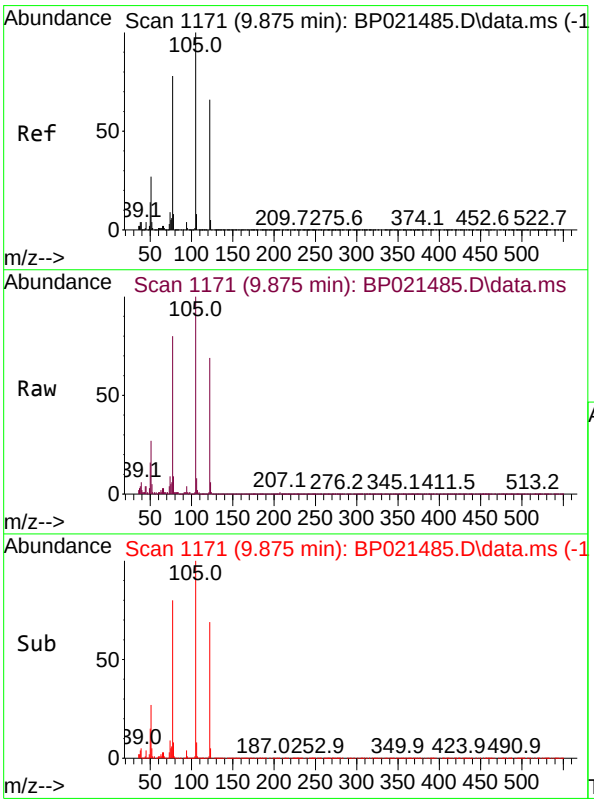
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

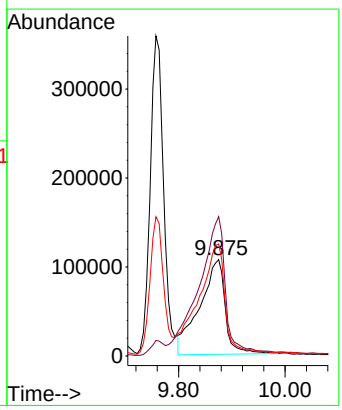
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

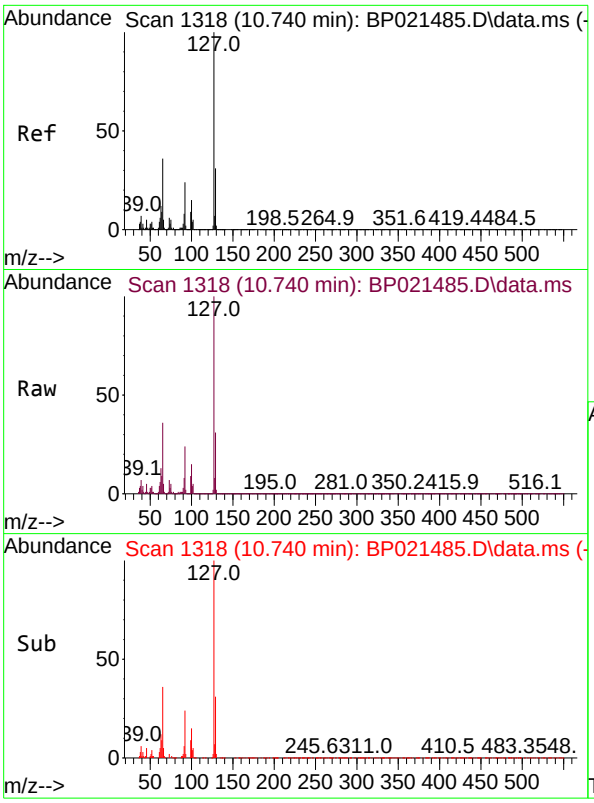


#32
Benzoic acid
Concen: 38.509 ng
RT: 9.875 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:122 Resp: 356582

Ion	Ratio	Lower	Upper
122	100		
105	144.6	124.6	164.6
77	116.2	96.2	136.2

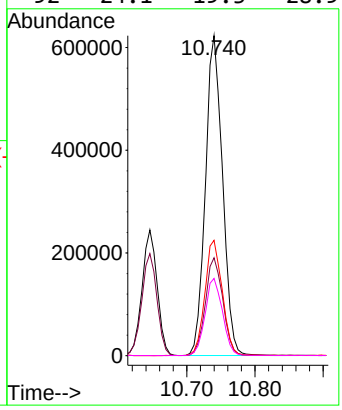




#33
4-Chloroaniline
Concen: 40.303 ng
RT: 10.740 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:127 Resp: 109071

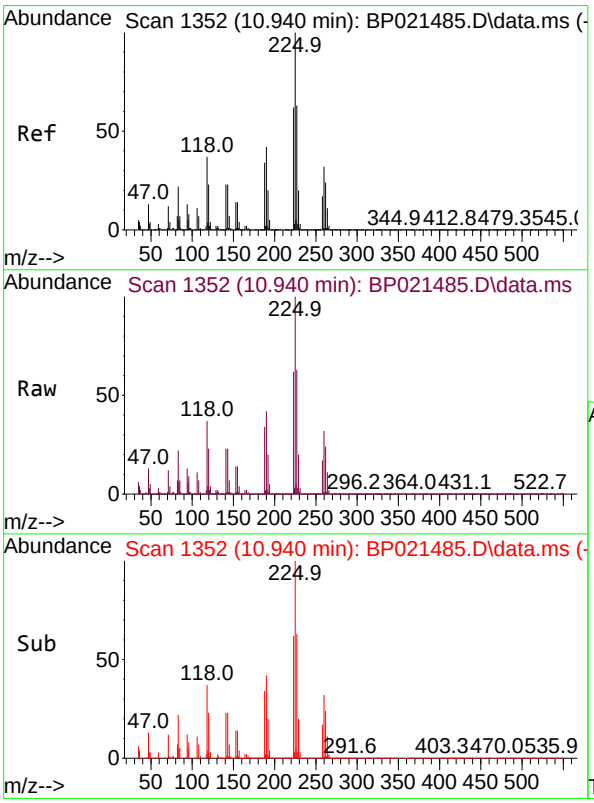
Ion	Ratio	Lower	Upper
127	100		
129	30.6	24.5	36.7
65	36.1	28.9	43.3
92	24.1	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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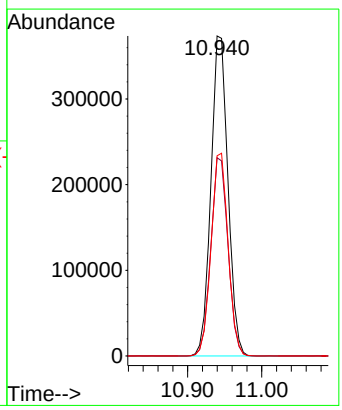
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

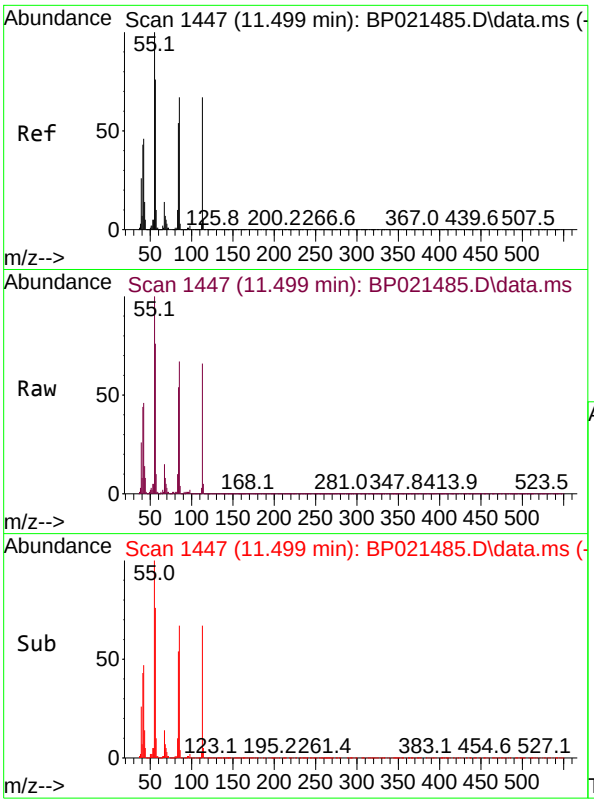


#34
Hexachlorobutadiene
Concen: 39.989 ng
RT: 10.940 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:225 Resp: 594148

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.6	74.4
227	62.6	50.1	75.1





#35
Caprolactam
Concen: 41.005 ng
RT: 11.499 min Scan# 14
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

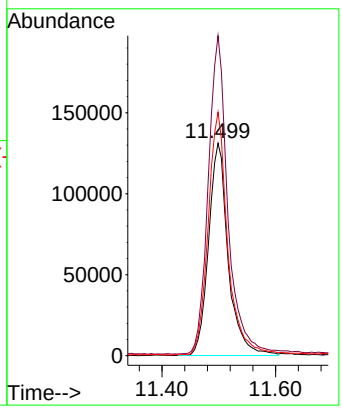
Tgt Ion:113 Resp: 314109

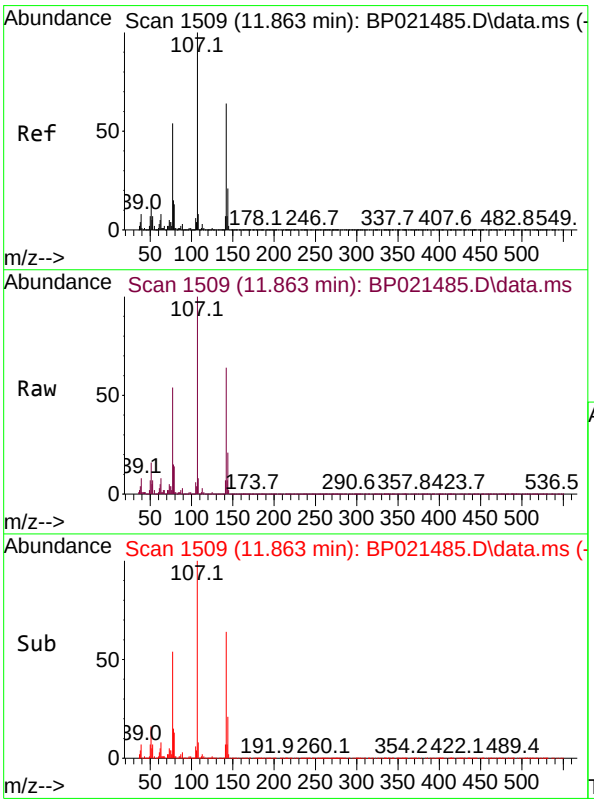
Ion	Ratio	Lower	Upper
113	100		
55	150.6	130.6	170.6
56	114.6	94.6	134.6

Instrument :
BNA_P
ClientSampleId :
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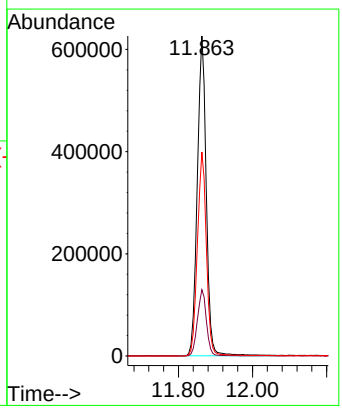


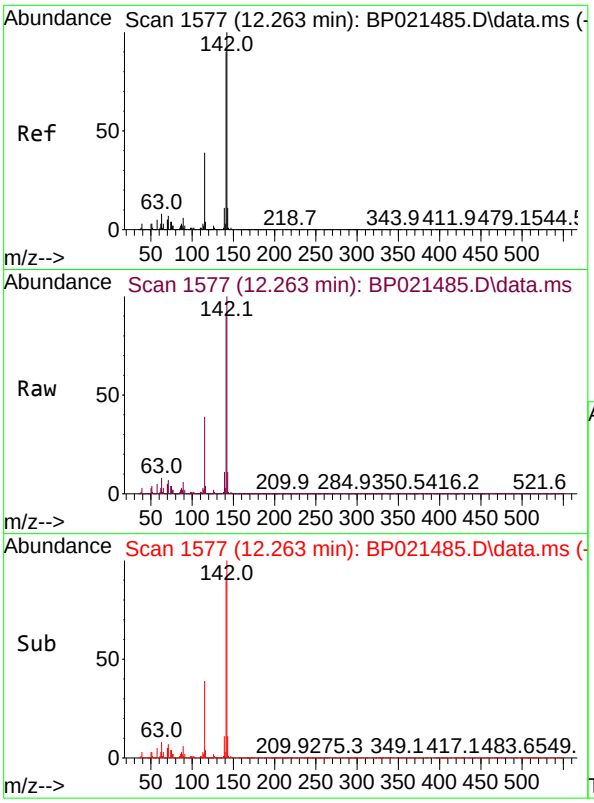


#36
4-Chloro-3-methylphenol
Concen: 41.323 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:107 Resp: 1055054

Ion	Ratio	Lower	Upper
107	100		
144	20.7	16.6	24.8
142	63.7	51.0	76.4

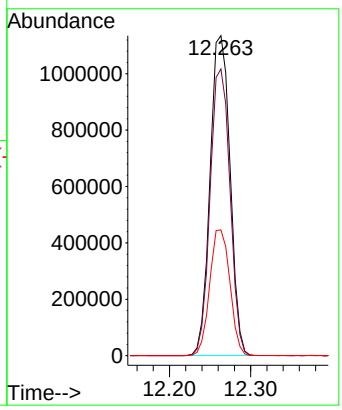




#37
2-Methylnaphthalene
Concen: 39.550 ng
RT: 12.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:142 Resp: 194471

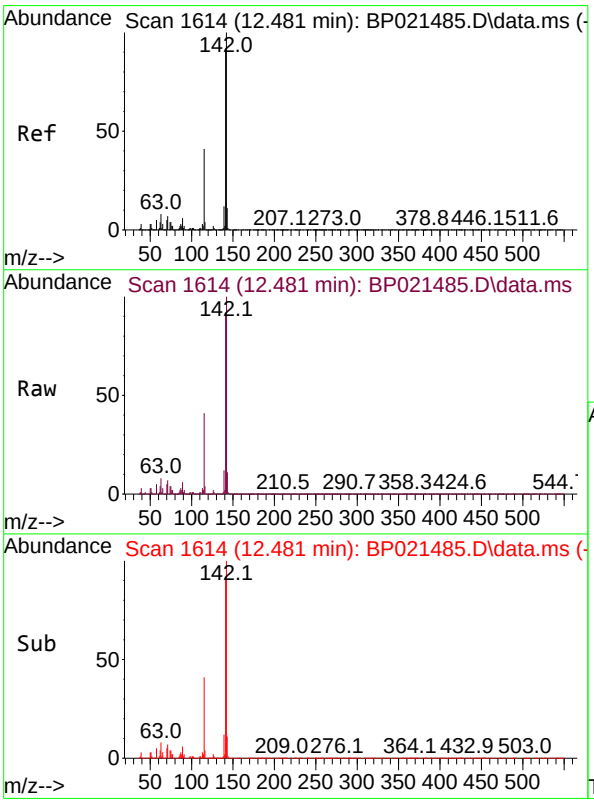
Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.7	107.5
115	39.3	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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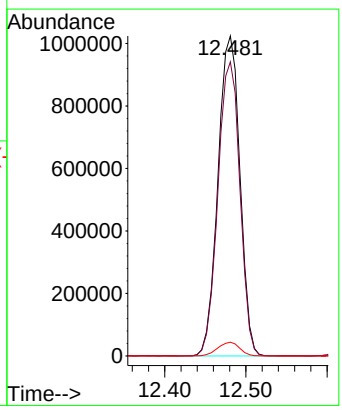
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

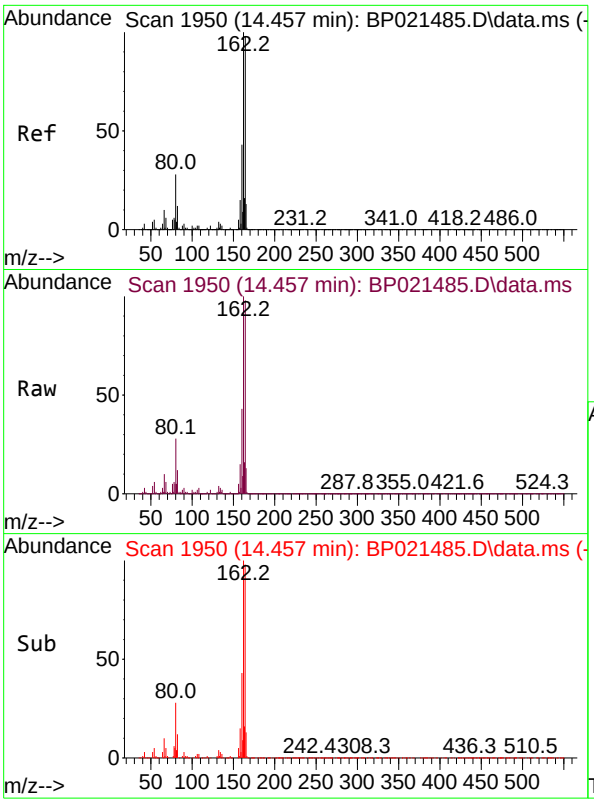


#38
1-Methylnaphthalene
Concen: 39.621 ng
RT: 12.481 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:142 Resp: 1921454

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.5	110.3
116	4.3	3.4	5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

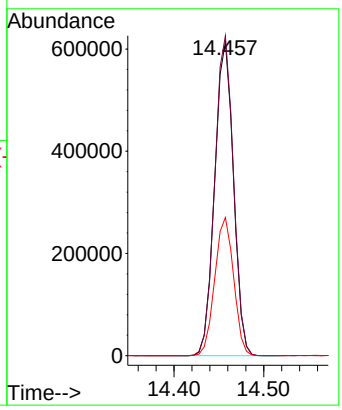
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

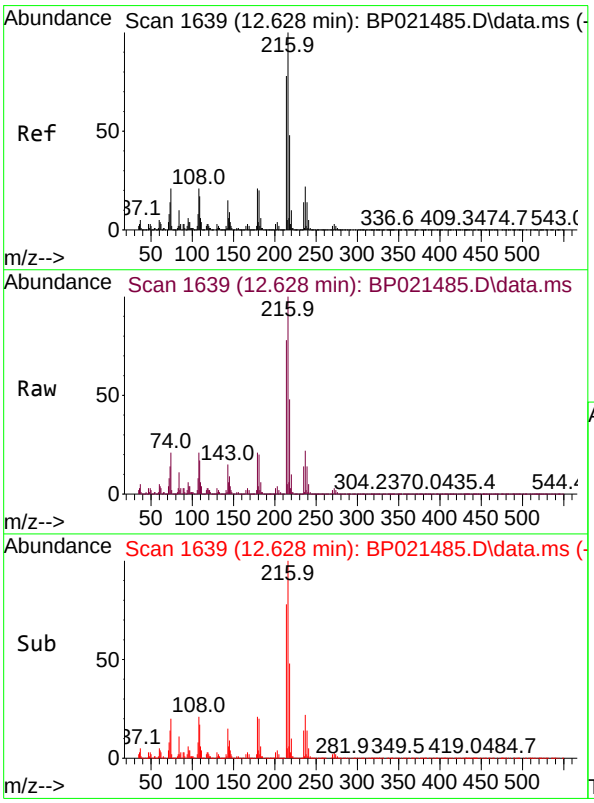
Tgt Ion:164 Resp: 89024

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.5	122.3
160	44.0	35.2	52.8

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Supervised By :mohammad ahmed 08/14/2024

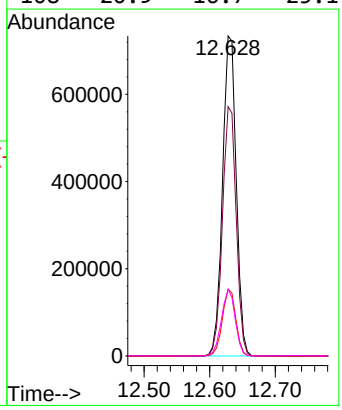


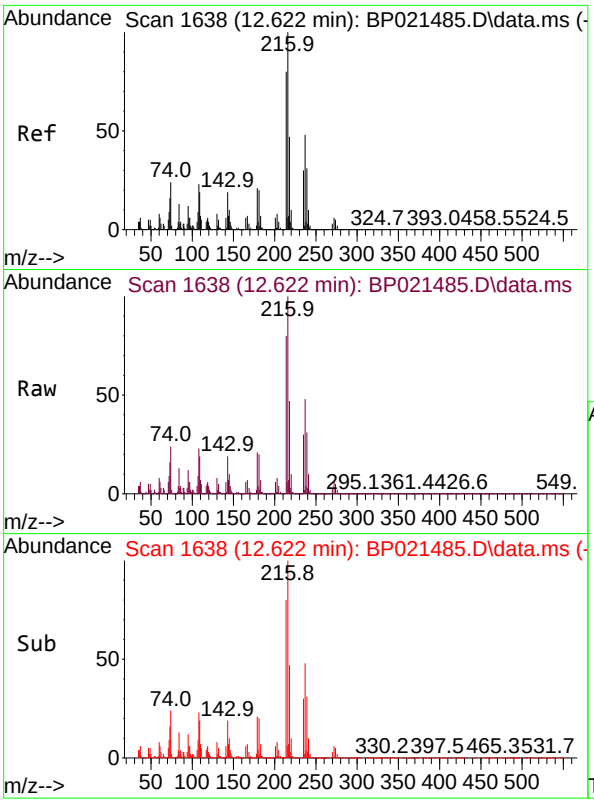


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.588 ng
RT: 12.628 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:216 Resp: 1058707

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.5	93.7
179	20.5	16.4	24.6
108	20.9	16.7	25.1

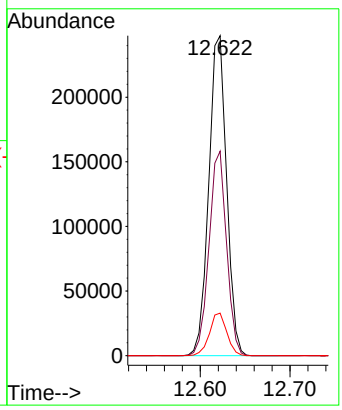




#41
Hexachlorocyclopentadiene
Concen: 41.293 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:237 Resp: 34136

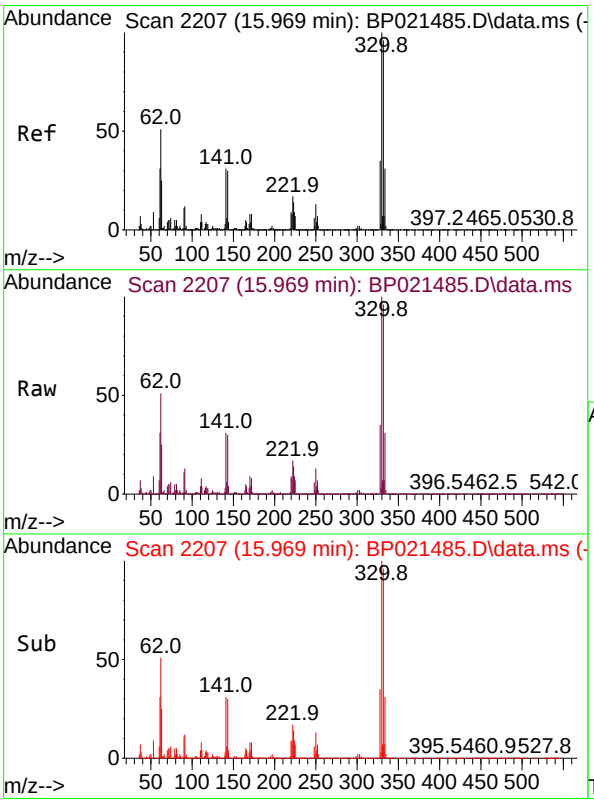
Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.9	83.9
272	13.3	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

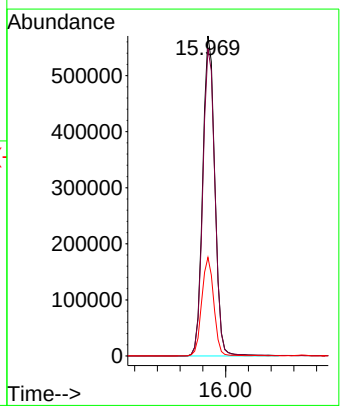
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

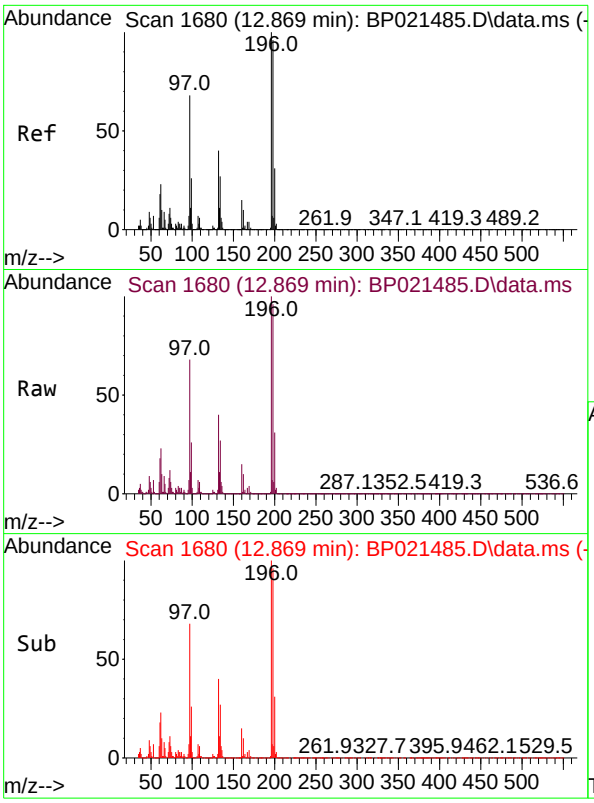


#42
2,4,6-Tribromophenol
Concen: 84.855 ng
RT: 15.969 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:330 Resp: 840745

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.4	116.0
141	30.6	24.5	36.7





#43
2,4,6-Trichlorophenol
Concen: 42.100 ng
RT: 12.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

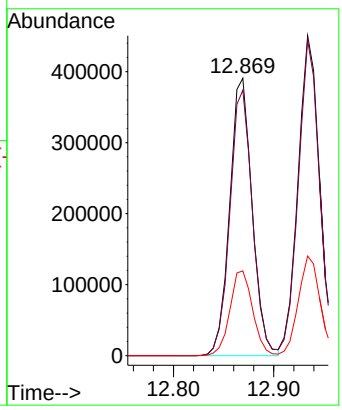
Tgt Ion:196 Resp: 61000

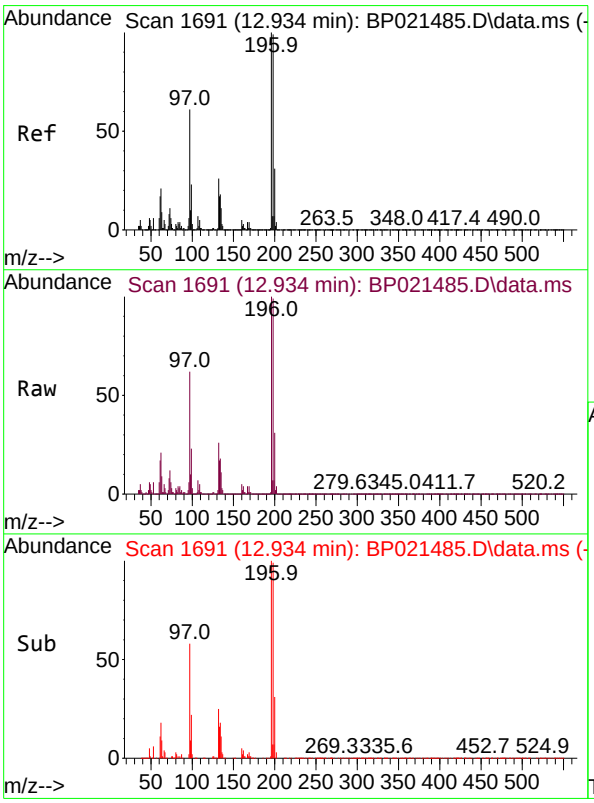
Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.6	114.8
200	30.6	24.5	36.7

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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Supervised By :mohammad ahmed 08/14/2024

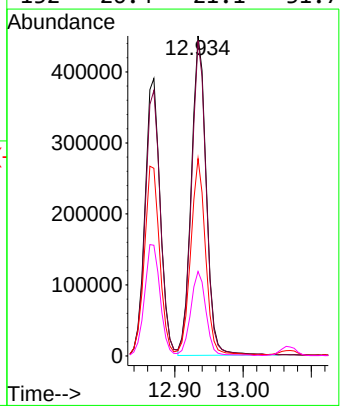


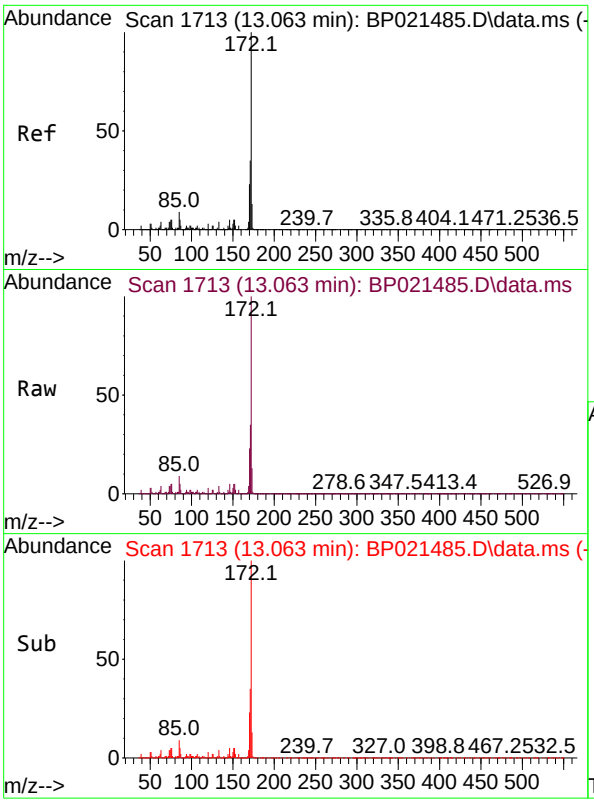


#44
2,4,5-Trichlorophenol
Concen: 42.300 ng
RT: 12.934 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:196 Resp: 680956

Ion	Ratio	Lower	Upper
196	100		
198	98.6	78.9	118.3
97	61.7	49.4	74.0
132	26.4	21.1	31.7

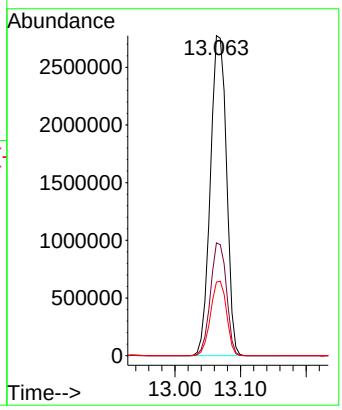




#45
2-Fluorobiphenyl
Concen: 81.001 ng
RT: 13.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:172 Resp: 472498

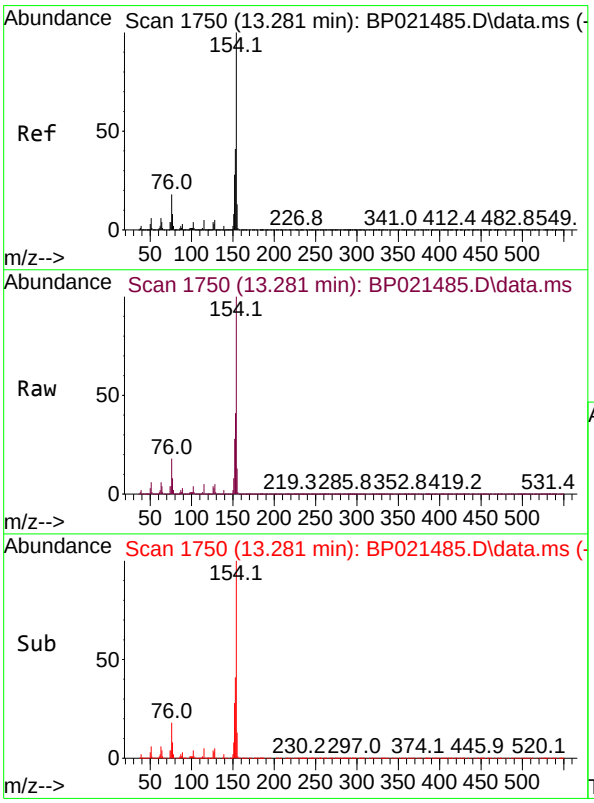
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.0	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

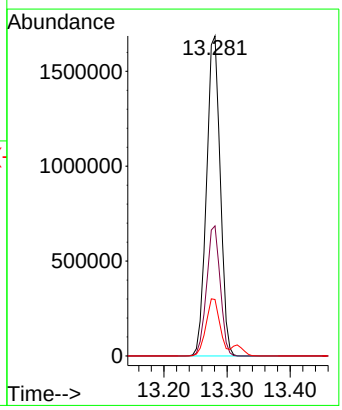
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

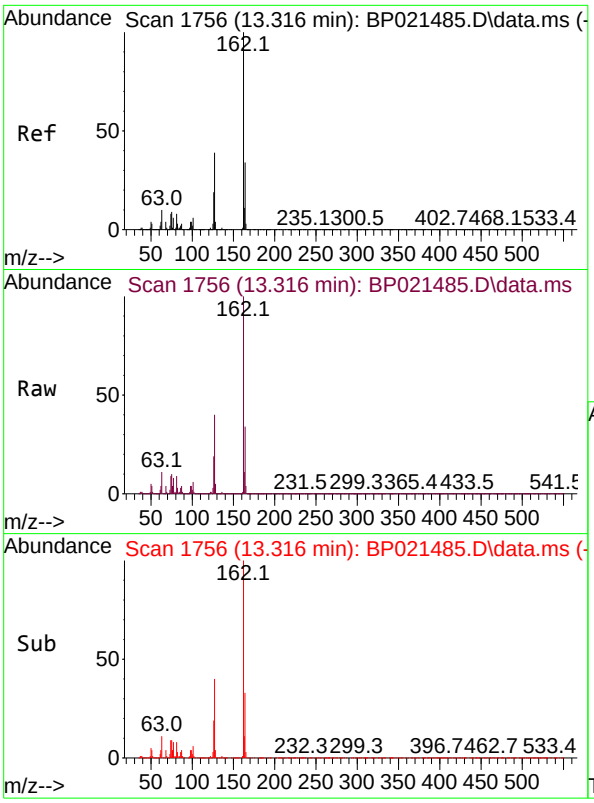


#46
1,1'-Biphenyl
Concen: 40.370 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:154 Resp: 2542708

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.7	60.7
76	17.7	0.0	37.7

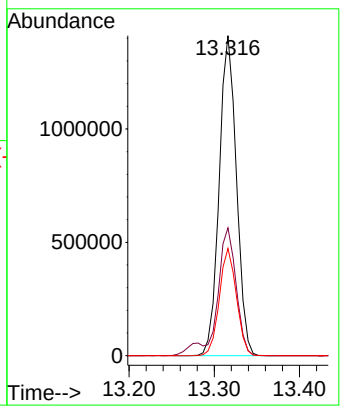




#47
2-Chloronaphthalene
Concen: 40.538 ng
RT: 13.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:162 Resp: 198783

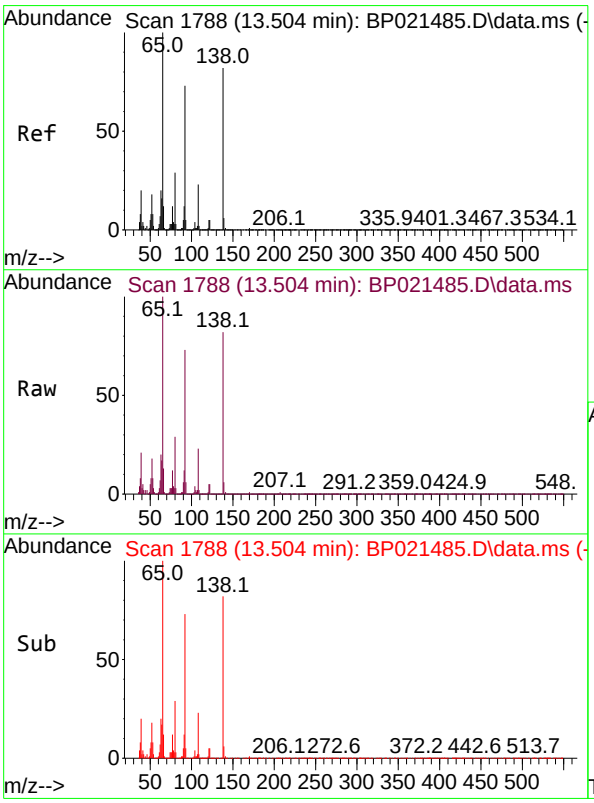
Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.9	47.9
164	33.5	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

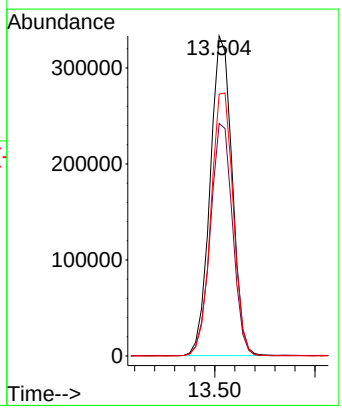
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

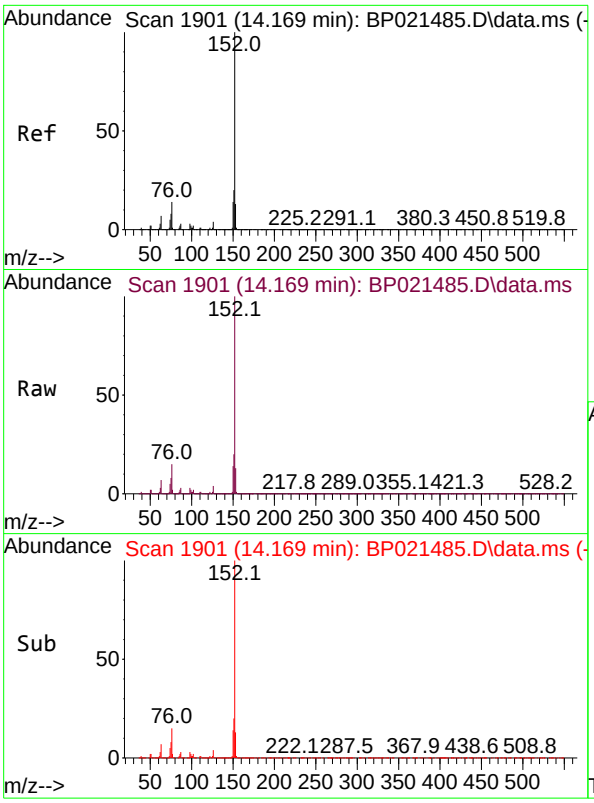


#48
2-Nitroaniline
Concen: 38.074 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion: 65 Resp: 506883

Ion	Ratio	Lower	Upper
65	100		
92	72.6	58.1	87.1
138	81.9	65.5	98.3

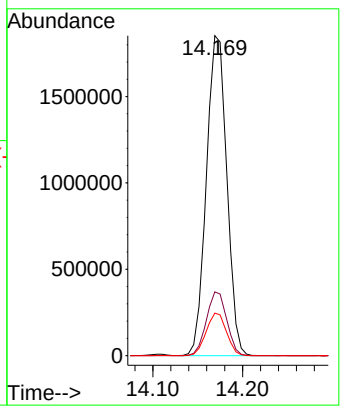




#49
Acenaphthylene
Concen: 40.630 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:152 Resp: 292881

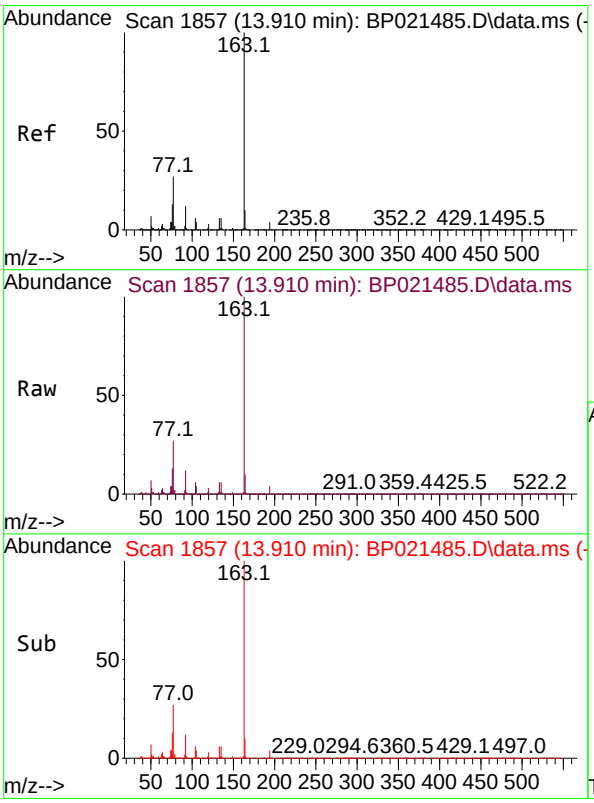
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

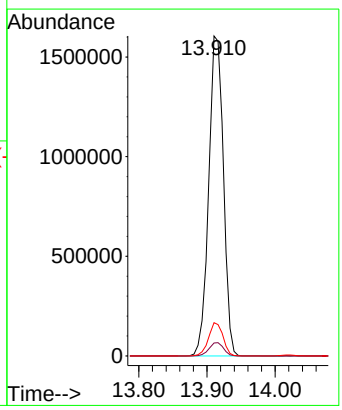
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

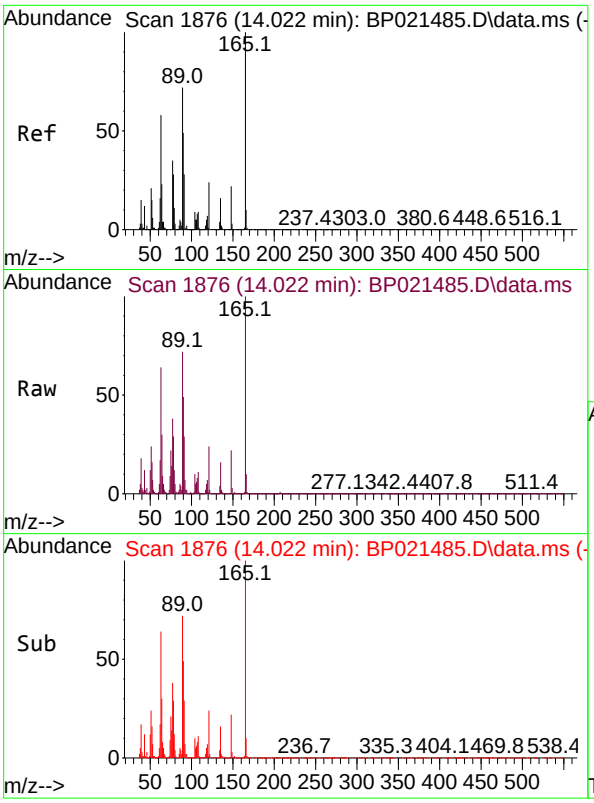


#50
Dimethylphthalate
Concen: 40.392 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:163 Resp: 2408078

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.4	8.3	12.5

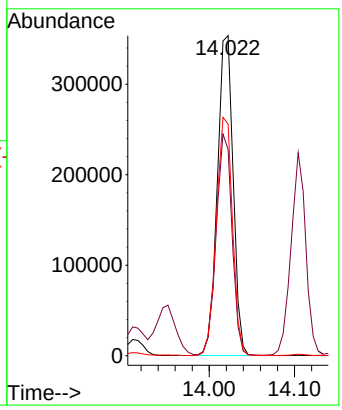




#51
2,6-Dinitrotoluene
Concen: 38.650 ng
RT: 14.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:165 Resp: 45468

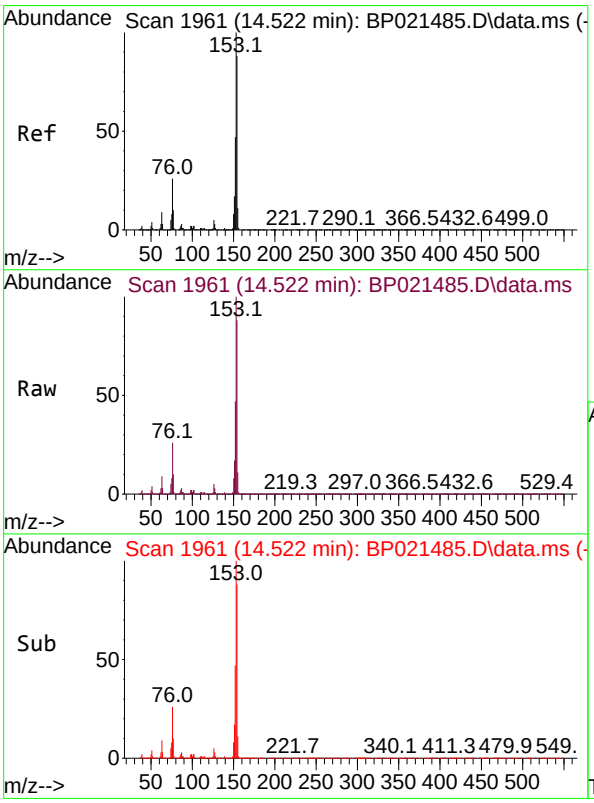
Ion	Ratio	Lower	Upper
165	100		
63	64.4	51.5	77.3
89	72.3	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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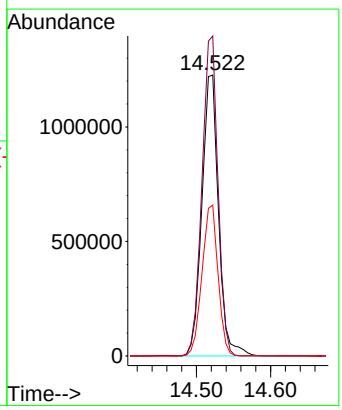
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

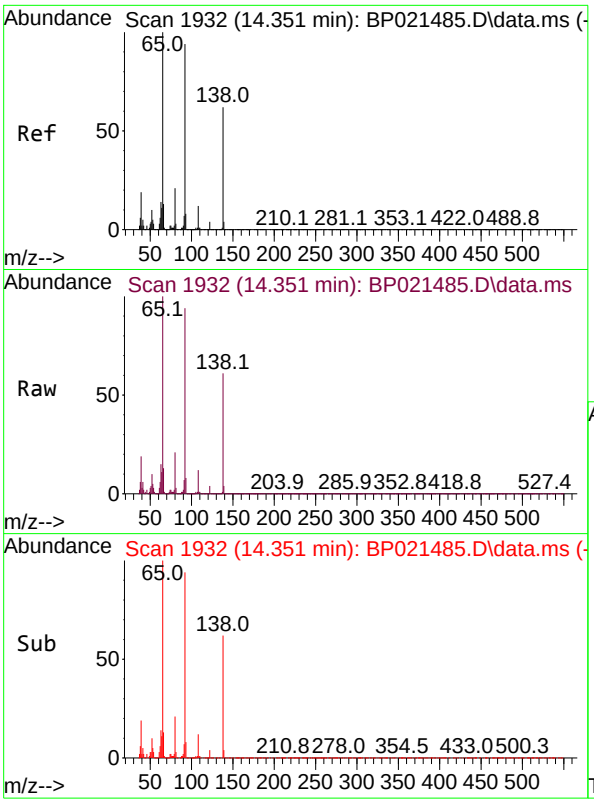


#52
Acenaphthene
Concen: 40.406 ng
RT: 14.522 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:154 Resp: 1911119

Ion	Ratio	Lower	Upper
154	100		
153	113.9	91.1	136.7
152	53.7	43.0	64.4





#53
3-Nitroaniline
Concen: 39.107 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

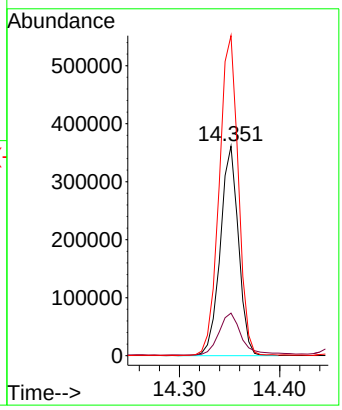
Tgt Ion:138 Resp: 45293

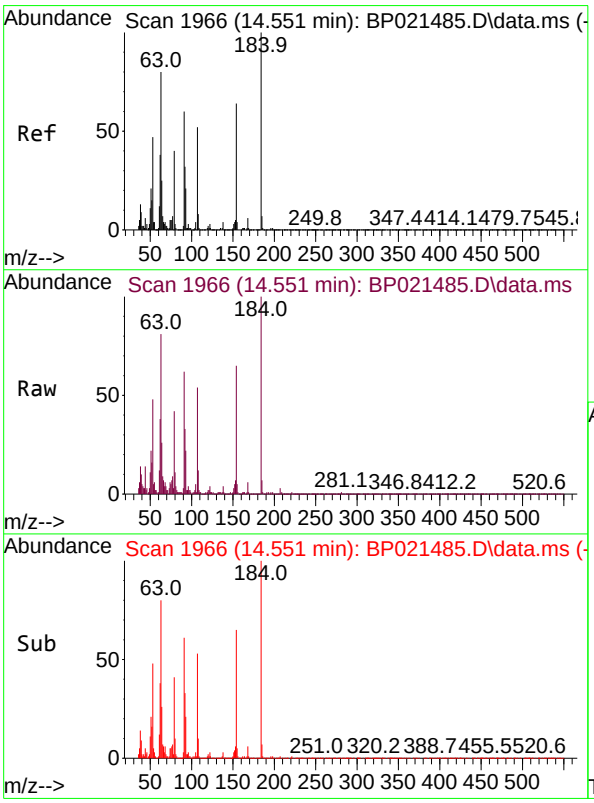
Ion	Ratio	Lower	Upper
138	100		
108	20.3	16.2	24.4
92	152.8	122.2	183.4

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

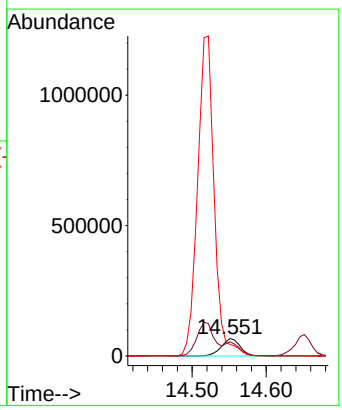


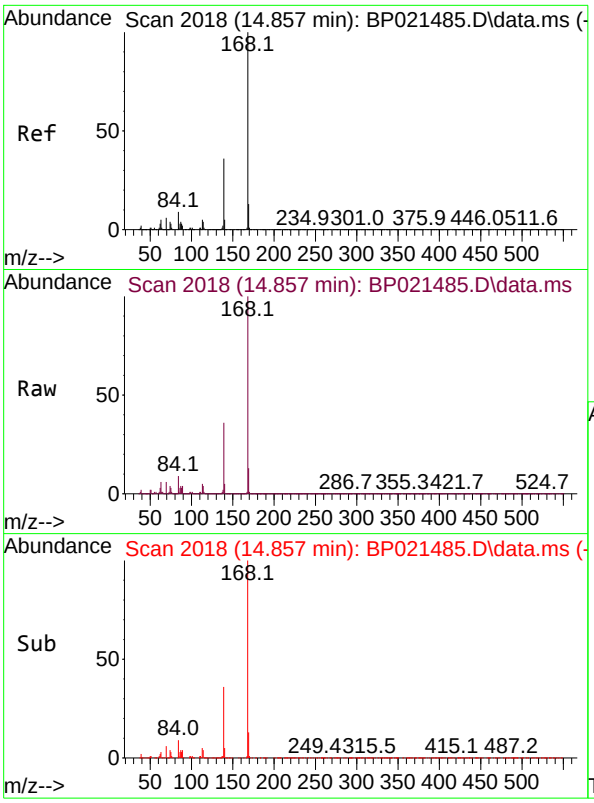


#54
2,4-Dinitrophenol
Concen: 38.943 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:184 Resp: 116797

Ion	Ratio	Lower	Upper
184	100		
63	81.1	64.9	97.3
154	65.1	52.1	78.1

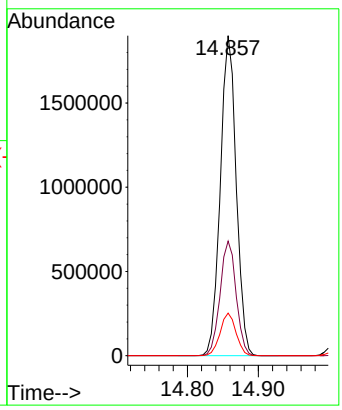




#55
Dibenzofuran
Concen: 40.359 ng
RT: 14.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:168 Resp: 293651

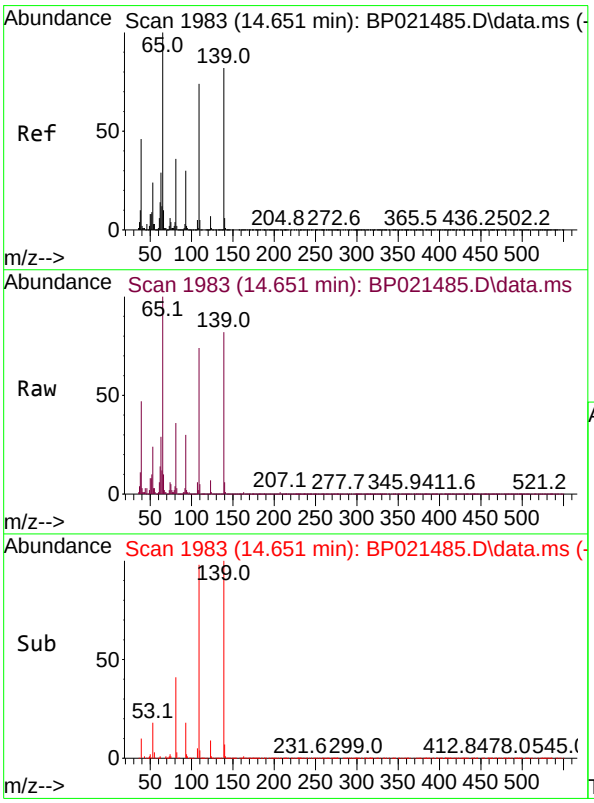
Ion	Ratio	Lower	Upper
168	100		
139	35.8	28.6	43.0
169	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

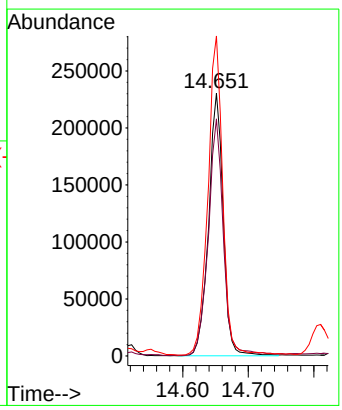
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

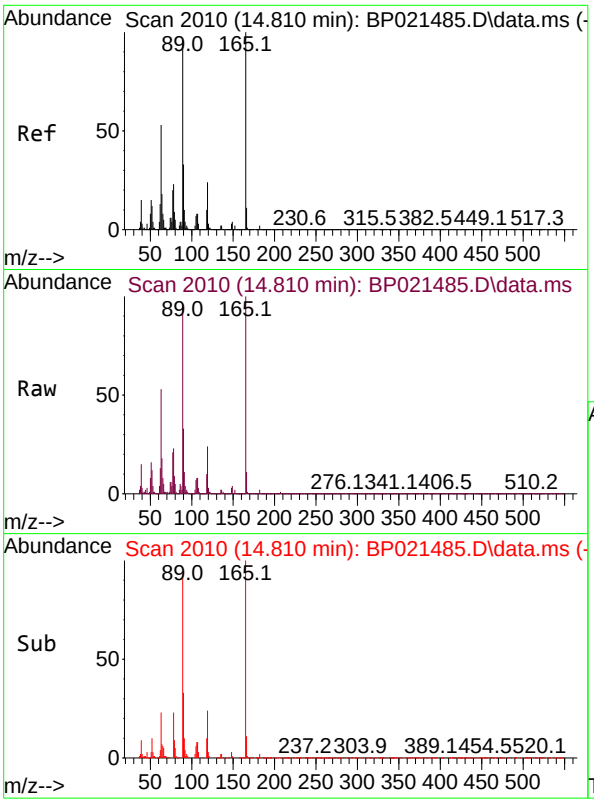


#56
4-Nitrophenol
Concen: 39.073 ng
RT: 14.651 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:139 Resp: 358912

Ion	Ratio	Lower	Upper
139	100		
109	90.2	70.2	110.2
65	121.8	101.8	141.8

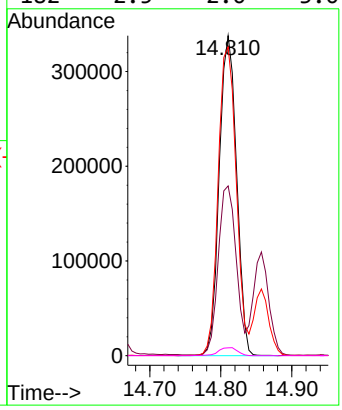




#57
2,4-Dinitrotoluene
Concen: 38.397 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:165 Resp: 57022

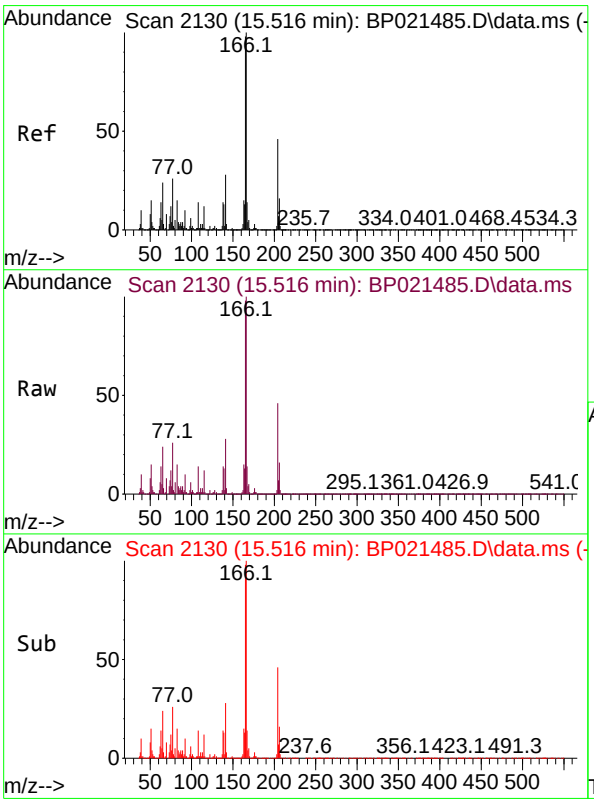
Ion	Ratio	Lower	Upper
165	100		
63	53.1	42.5	63.7
89	96.4	77.1	115.7
182	2.5	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

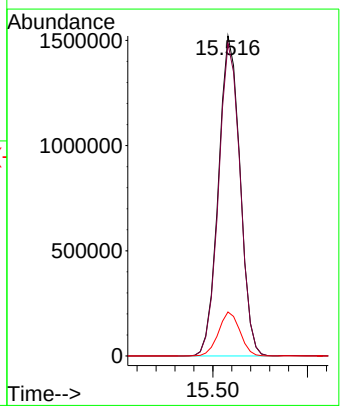
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

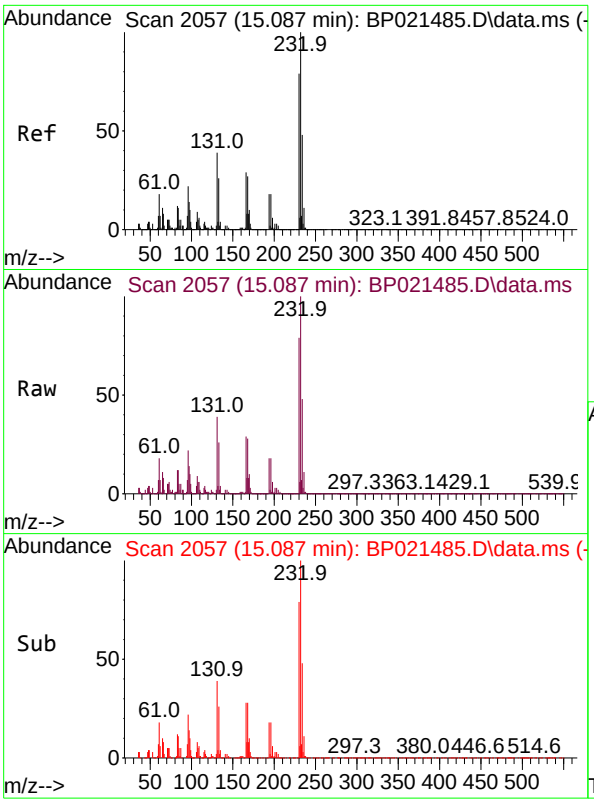


#58
Fluorene
Concen: 40.326 ng
RT: 15.516 min Scan# 2130
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:166 Resp: 2410461

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.1	117.1
167	13.7	11.0	16.4

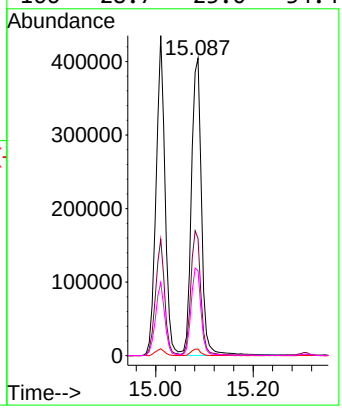




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.766 ng
RT: 15.087 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:232 Resp: 58435

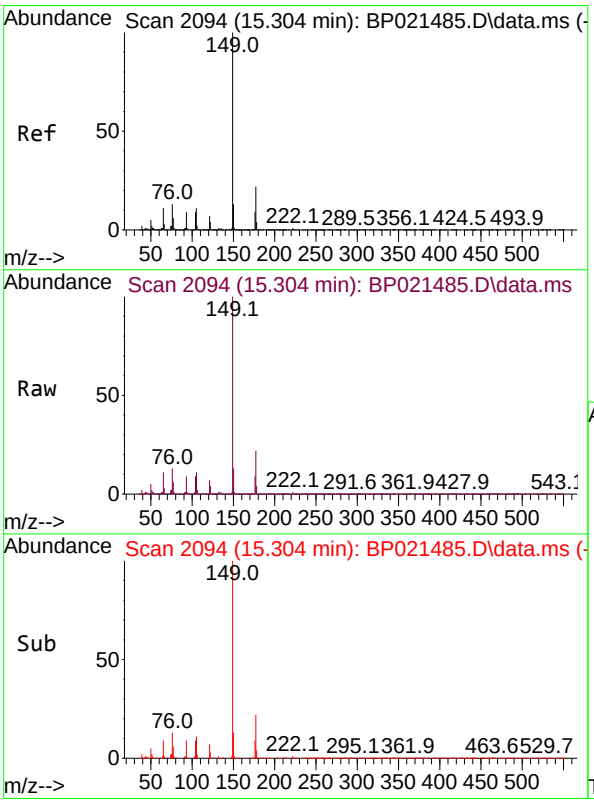
Ion	Ratio	Lower	Upper
232	100		
131	41.4	33.1	49.7
130	2.1	1.7	2.5
166	28.7	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

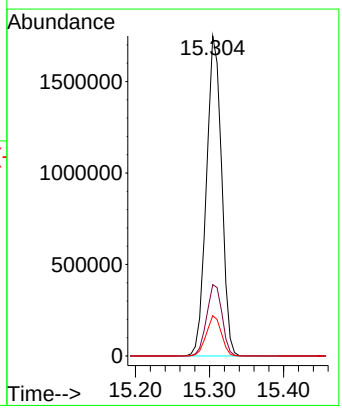
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

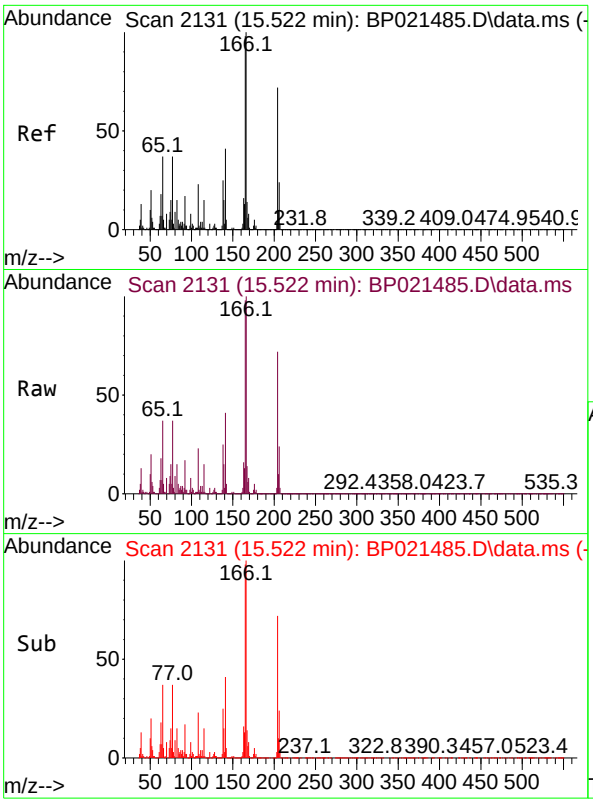


#60
Diethylphthalate
Concen: 40.656 ng
RT: 15.304 min Scan# 2094
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 2486968

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.8	26.8
150	12.6	10.1	15.1

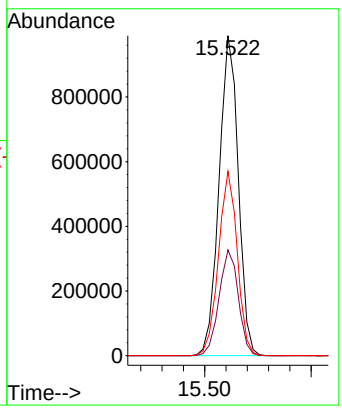




#61
4-Chlorophenyl-phenylether
Concen: 40.022 ng
RT: 15.522 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:204 Resp: 123657

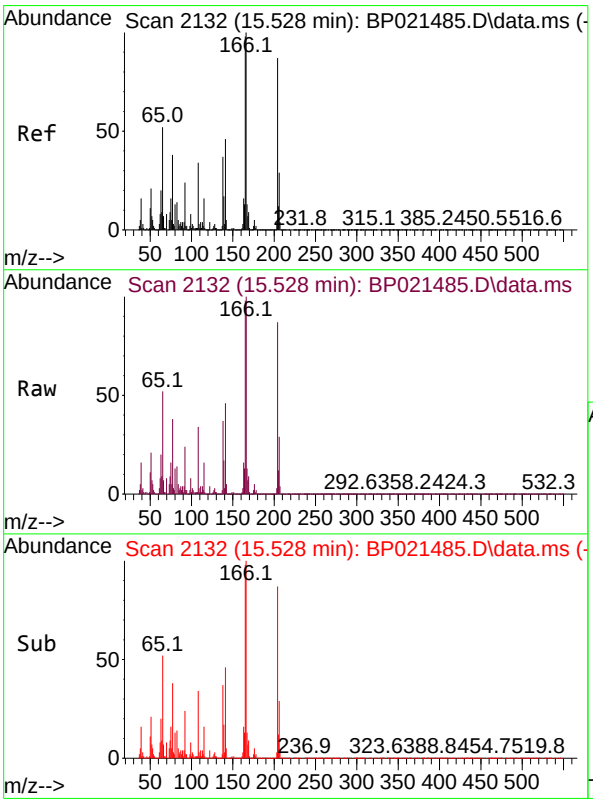
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	57.6	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

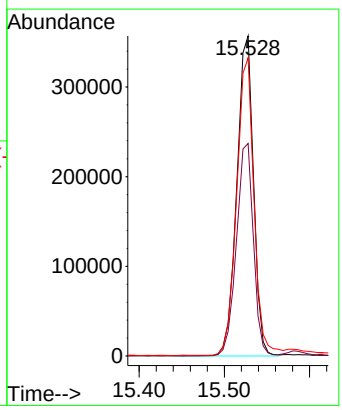
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

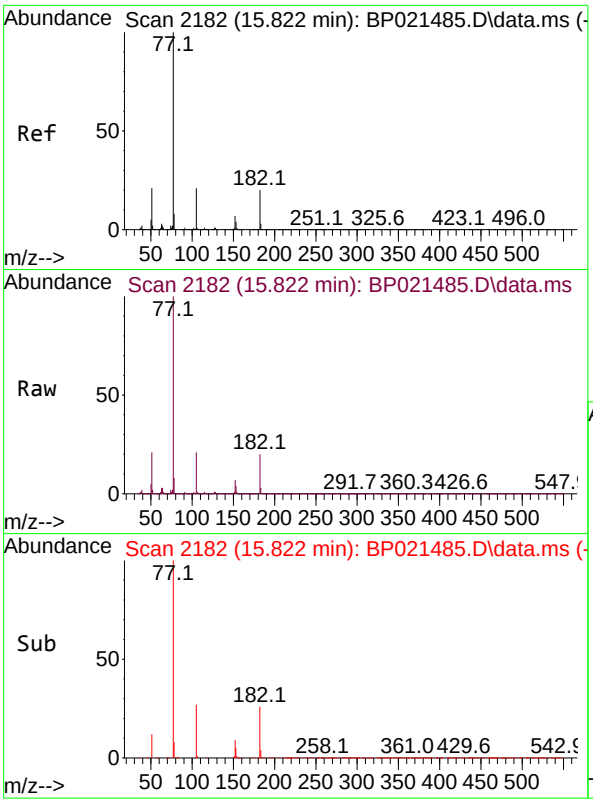


#62
4-Nitroaniline
Concen: 40.451 ng
RT: 15.528 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:138 Resp: 485672

Ion	Ratio	Lower	Upper
138	100		
92	66.4	46.4	86.4
108	93.2	73.2	113.2





#63
Azobenzene
Concen: 40.594 ng
RT: 15.822 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

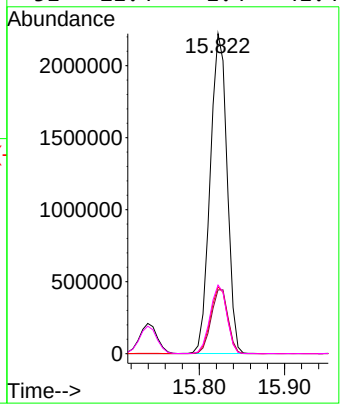
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

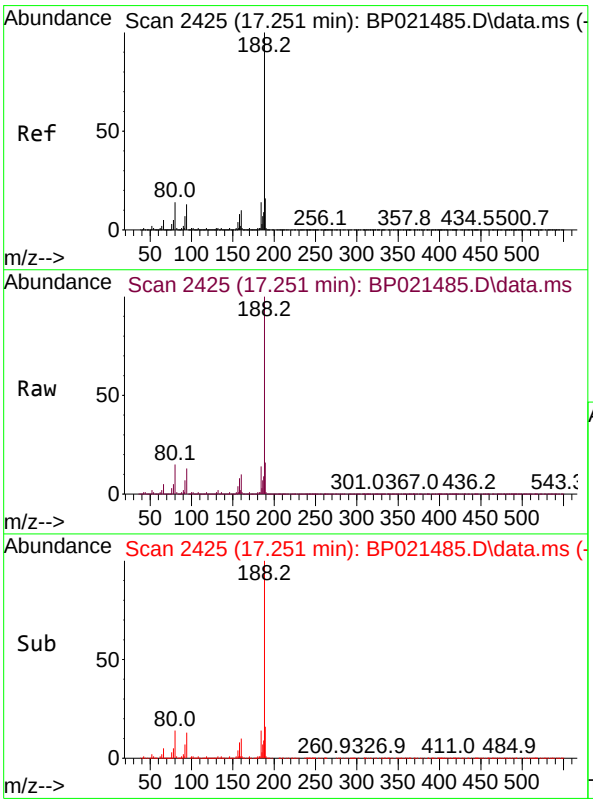
Tgt Ion: 77 Resp: 305244

Ion	Ratio	Lower	Upper
77	100		
182	19.9	0.0	39.9
105	20.9	0.9	40.9
51	21.4	1.4	41.4

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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

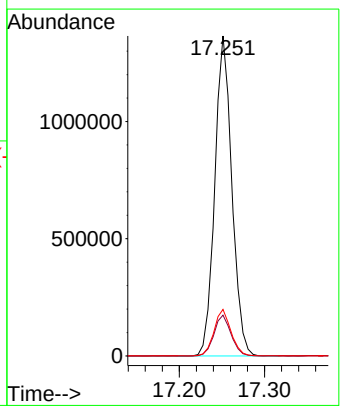


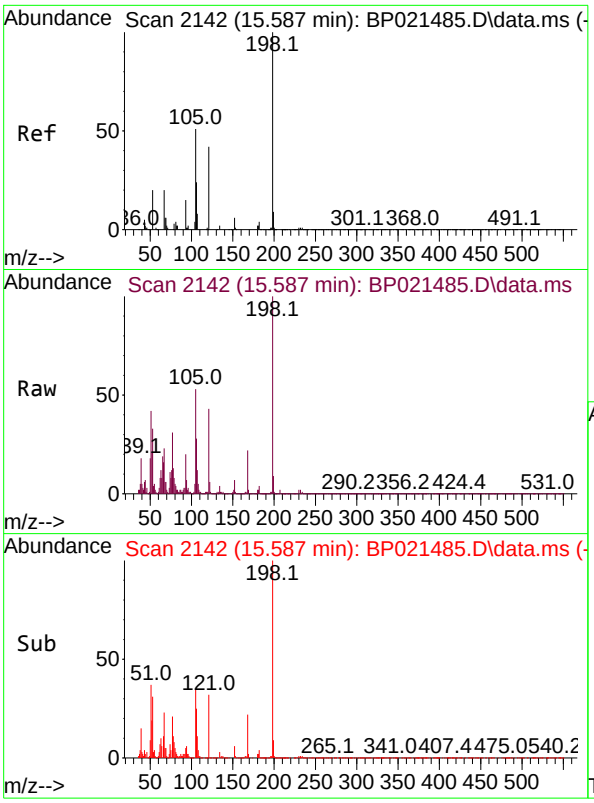


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:188 Resp: 1905279

Ion	Ratio	Lower	Upper
188	100		
94	12.8	10.2	15.4
80	14.5	11.6	17.4

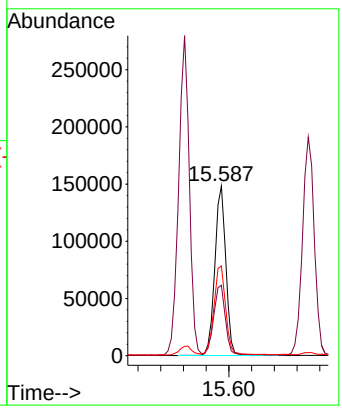




#65
4,6-Dinitro-2-methylphenol
Concen: 38.603 ng
RT: 15.587 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:198 Resp: 19915

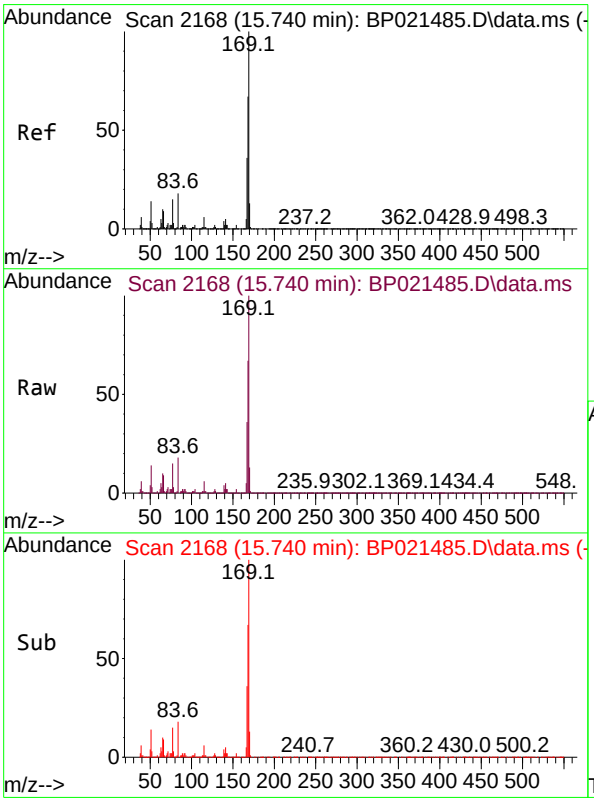
Ion	Ratio	Lower	Upper
198	100		
51	41.5	21.5	61.5
105	52.9	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

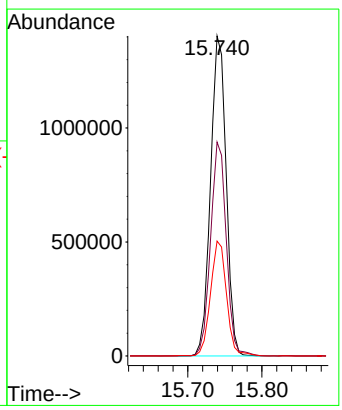
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

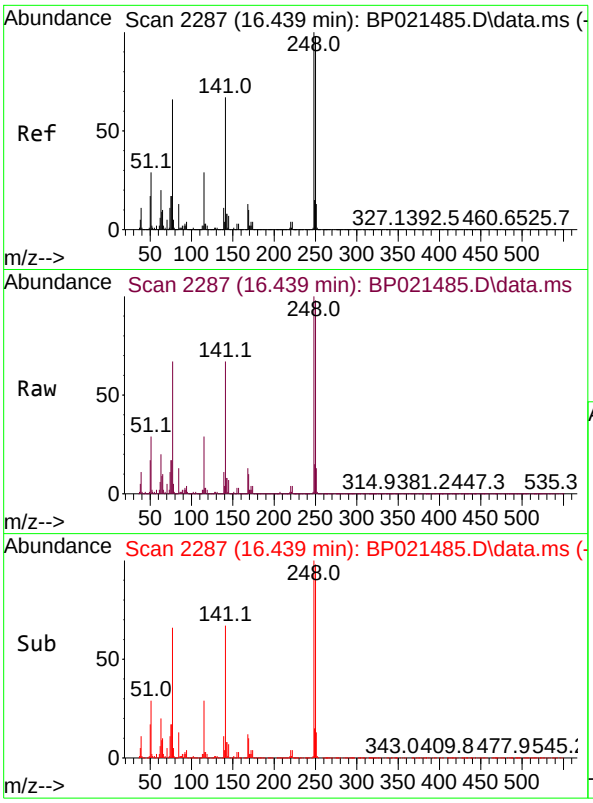


#66
n-Nitrosodiphenylamine
Concen: 40.175 ng
RT: 15.740 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:169 Resp: 2051265

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	35.9	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 39.211 ng
RT: 16.439 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

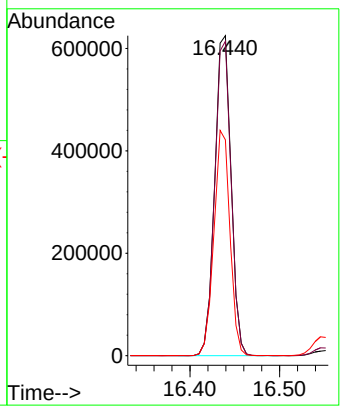
Tgt Ion:248 Resp: 79067

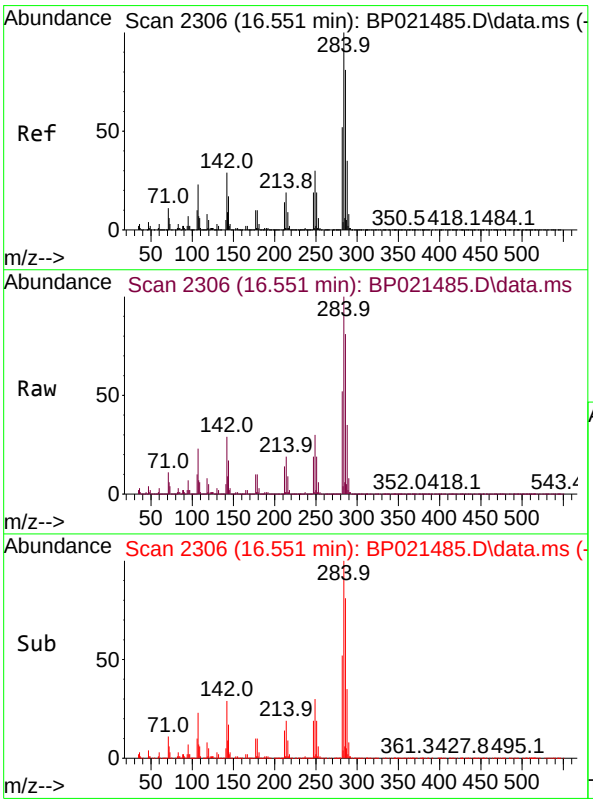
Ion	Ratio	Lower	Upper
248	100		
250	98.2	78.6	117.8
141	67.4	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

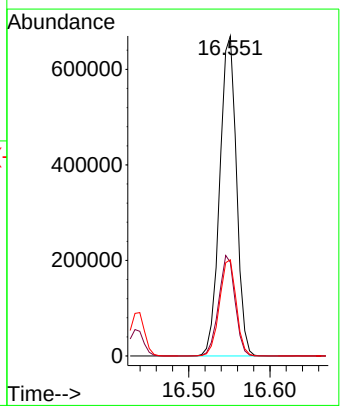


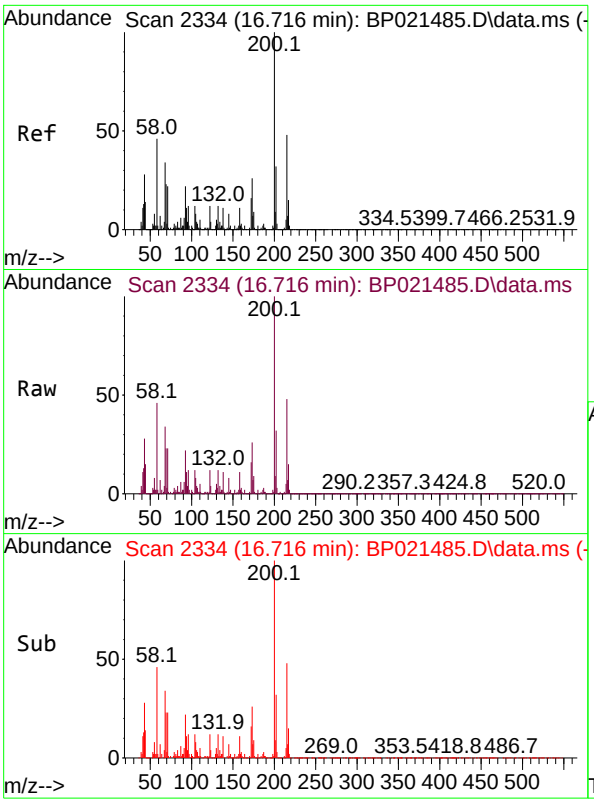


#68
Hexachlorobenzene
Concen: 40.240 ng
RT: 16.551 min Scan# 2306
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:284 Resp: 958921

Ion	Ratio	Lower	Upper
284	100		
142	29.3	23.4	35.2
249	30.1	24.1	36.1





#69
Atrazine
Concen: 41.419 ng
RT: 16.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

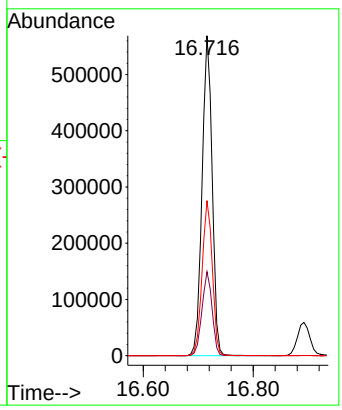
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

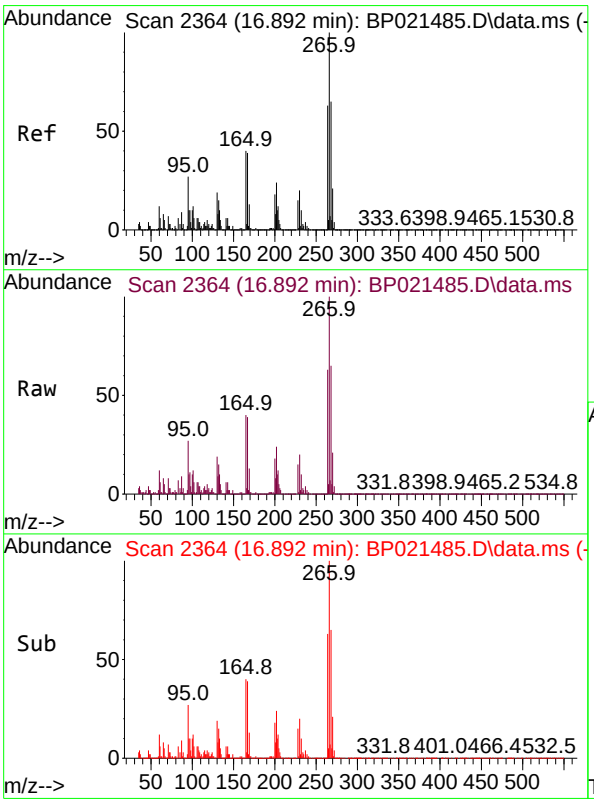
Tgt Ion:200 Resp: 72607

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.2	46.2
215	48.4	28.4	68.4

Manual Integrations
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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

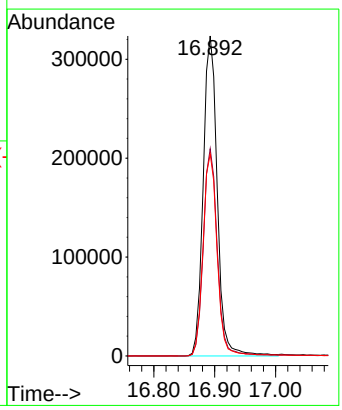


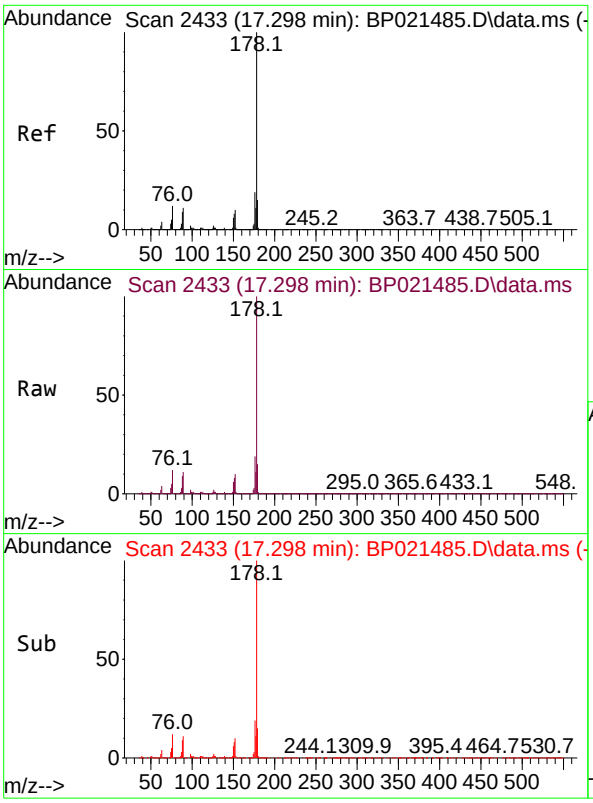


#70
Pentachlorophenol
Concen: 40.011 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:266 Resp: 520400

Ion	Ratio	Lower	Upper
266	100		
268	64.7	51.8	77.6
264	63.1	50.5	75.7

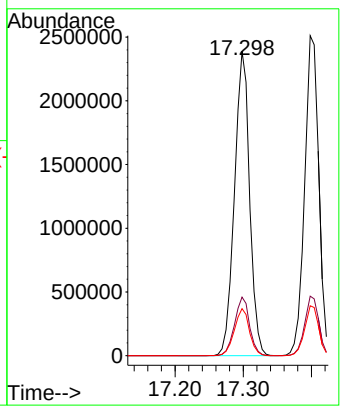




#71
Phenanthrene
Concen: 40.150 ng
RT: 17.298 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:178 Resp: 367886

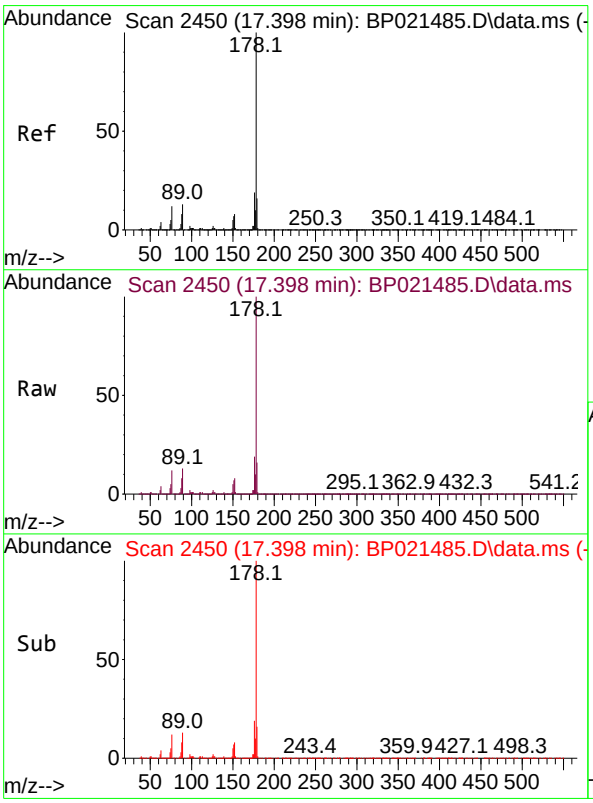
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.5	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

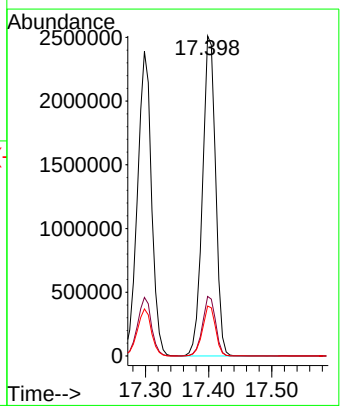
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

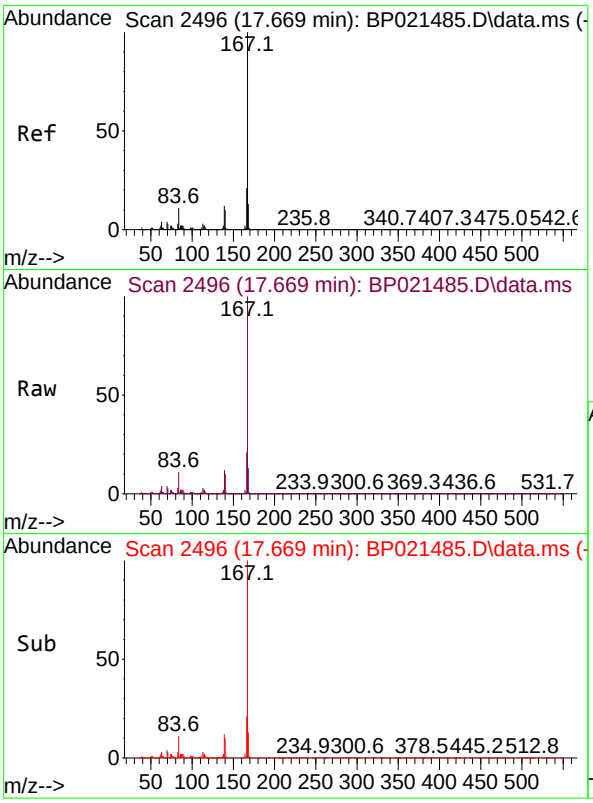


#72
Anthracene
Concen: 40.283 ng
RT: 17.398 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:178 Resp: 3619950

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.6	12.5	18.7

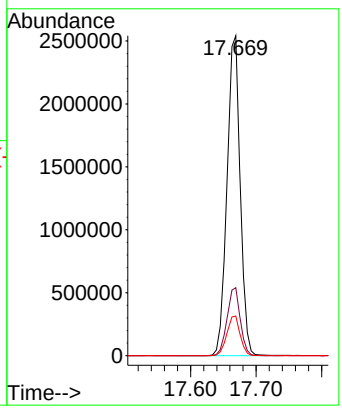




#73
Carbazole
Concen: 40.912 ng
RT: 17.669 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:167 Resp: 354308

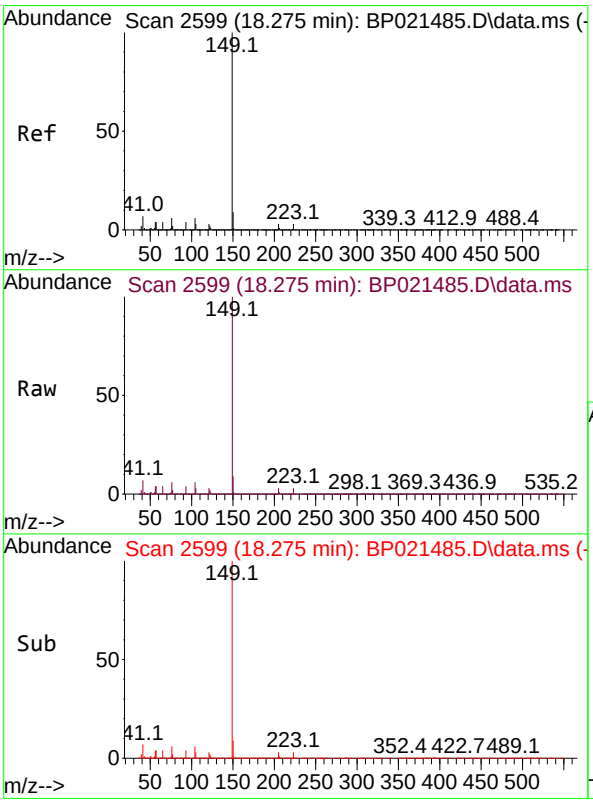
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.4	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

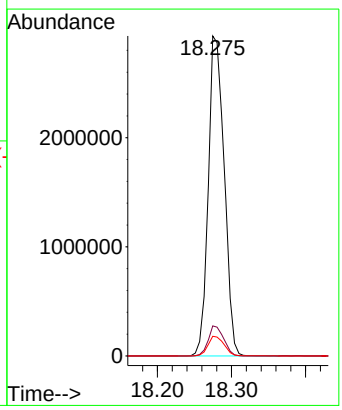
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

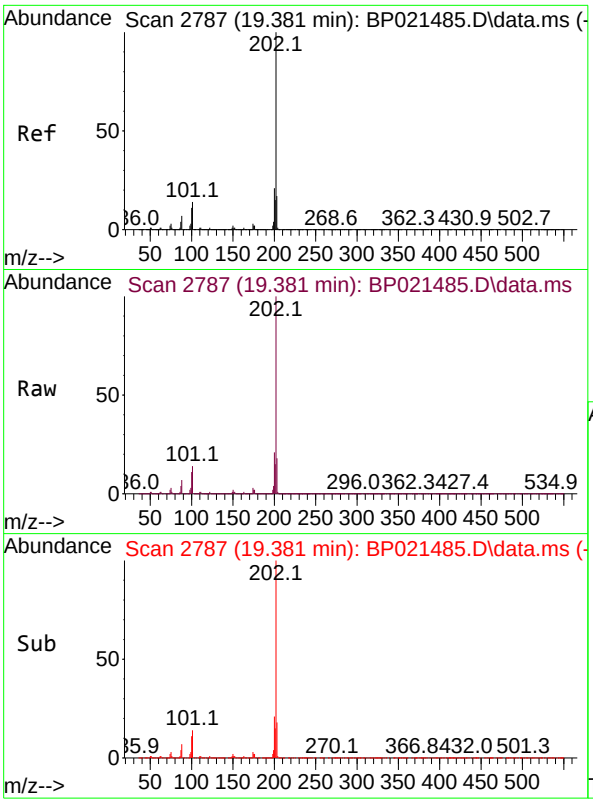


#74
Di-n-butylphthalate
Concen: 41.170 ng
RT: 18.275 min Scan# 2599
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 4378720

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	6.1	4.9	7.3

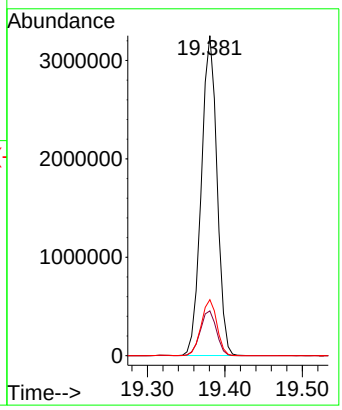




#75
Fluoranthene
Concen: 40.674 ng
RT: 19.381 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:202 Resp: 457288

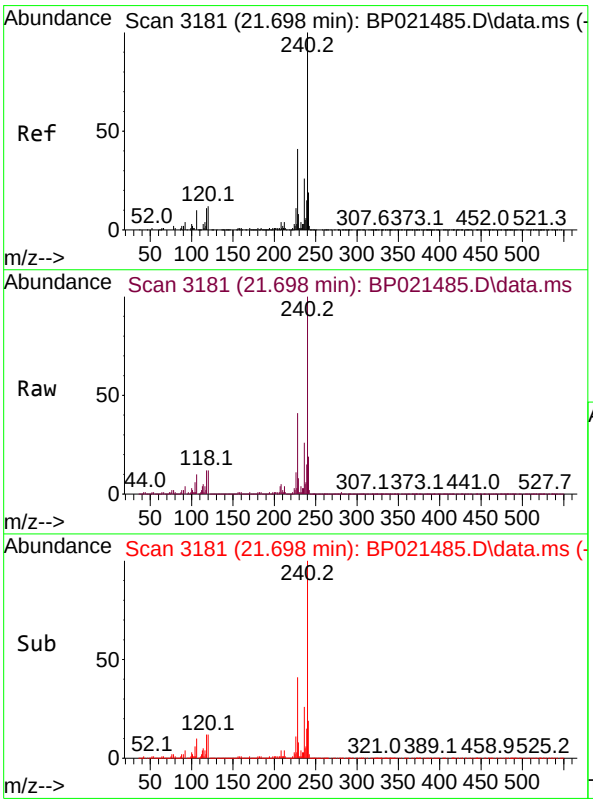
Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.0
203	17.5	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

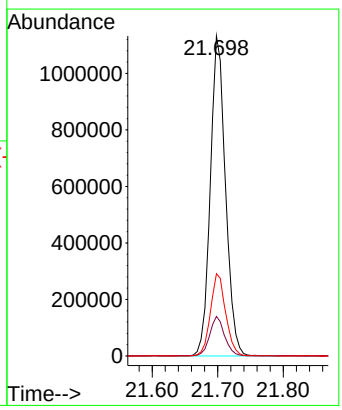
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

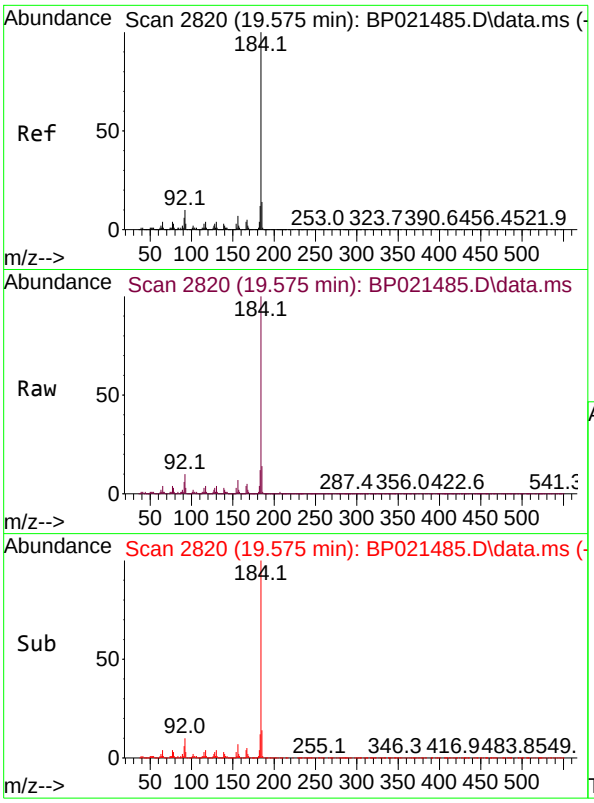


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.698 min Scan# 3181
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:240 Resp: 1820074

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.9	14.9
236	25.7	20.6	30.8

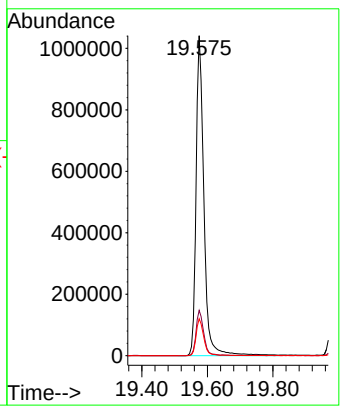




#77
Benzidine
Concen: 41.023 ng
RT: 19.575 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:184 Resp: 173510

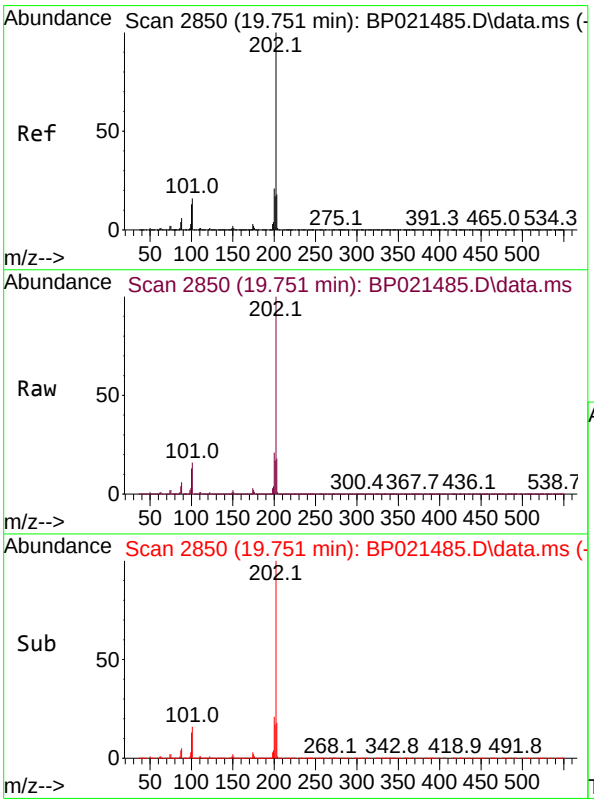
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.6	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations
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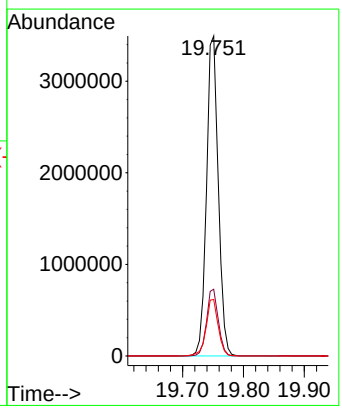
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

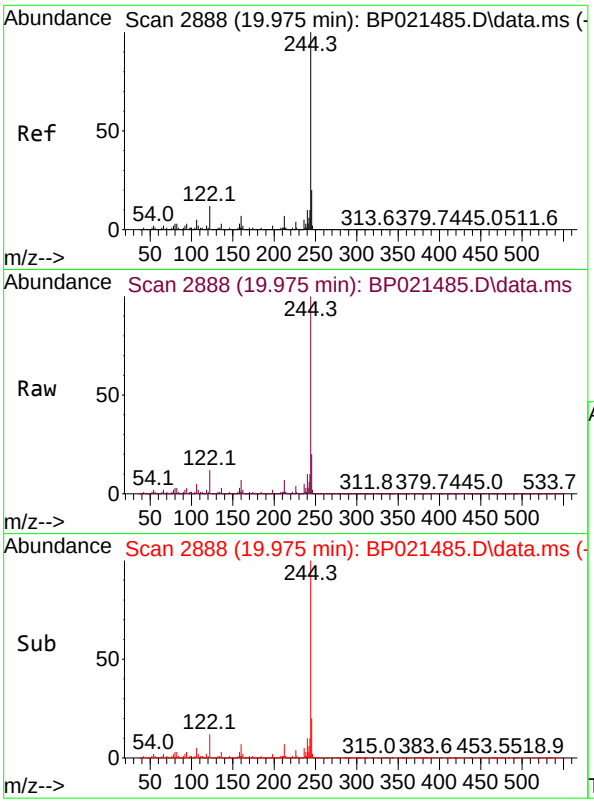


#78
Pyrene
Concen: 39.461 ng
RT: 19.751 min Scan# 2850
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:202 Resp: 4694393

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.6	14.1	21.1

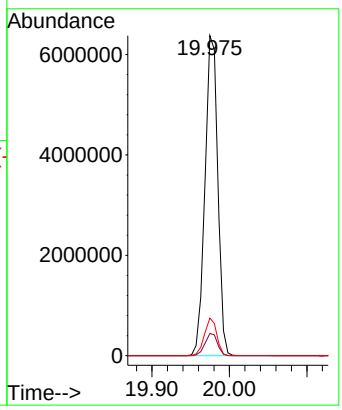




#79
Terphenyl-d14
Concen: 78.155 ng
RT: 19.975 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:244 Resp: 732205

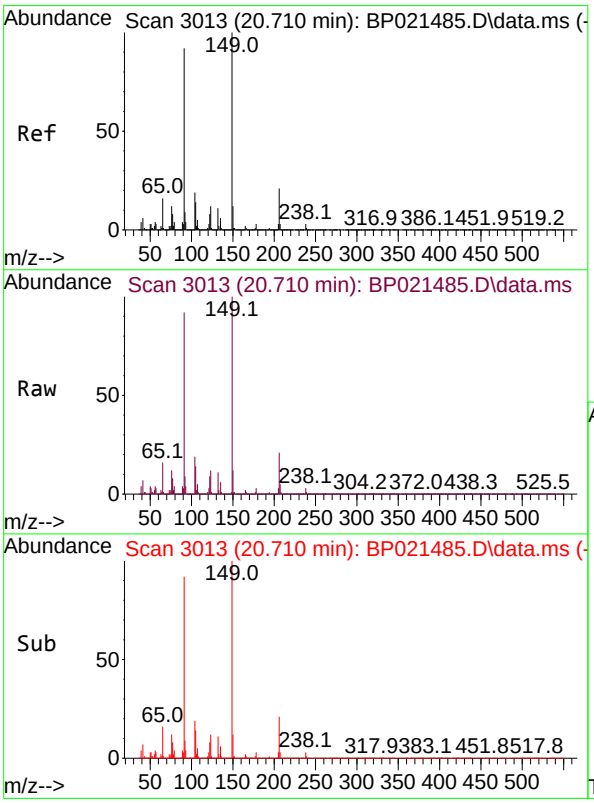
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

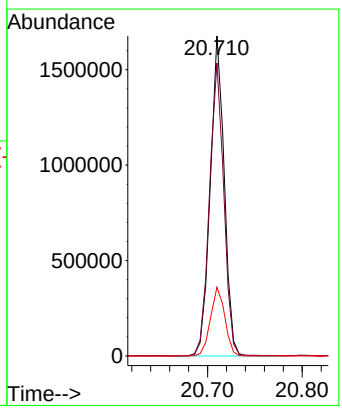
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

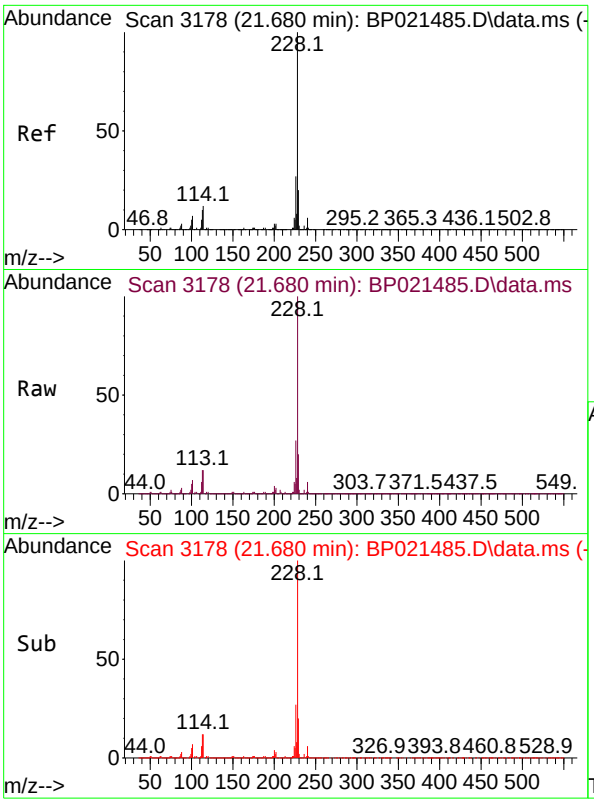


#80
Butylbenzylphthalate
Concen: 38.676 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 1712106

Ion	Ratio	Lower	Upper
149	100		
91	91.6	73.3	109.9
206	21.4	17.1	25.7

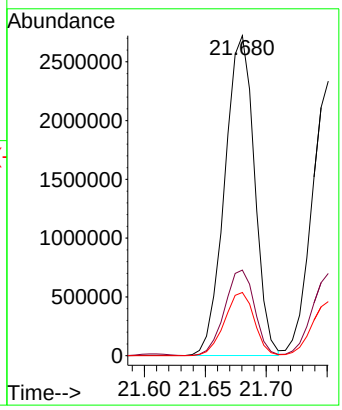




#81
Benzo(a)anthracene
Concen: 40.395 ng
RT: 21.680 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:228 Resp: 461538

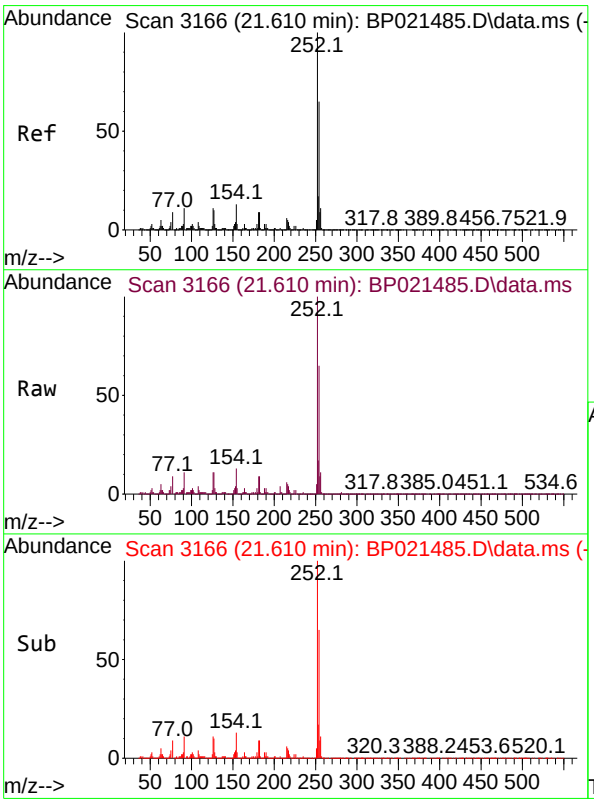
Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.4	32.2
229	19.7	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

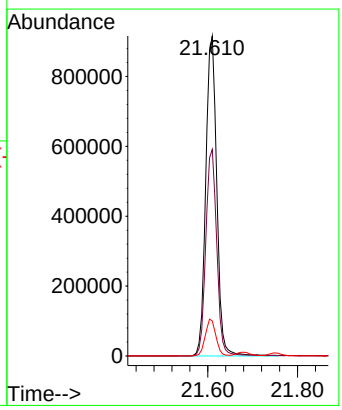
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

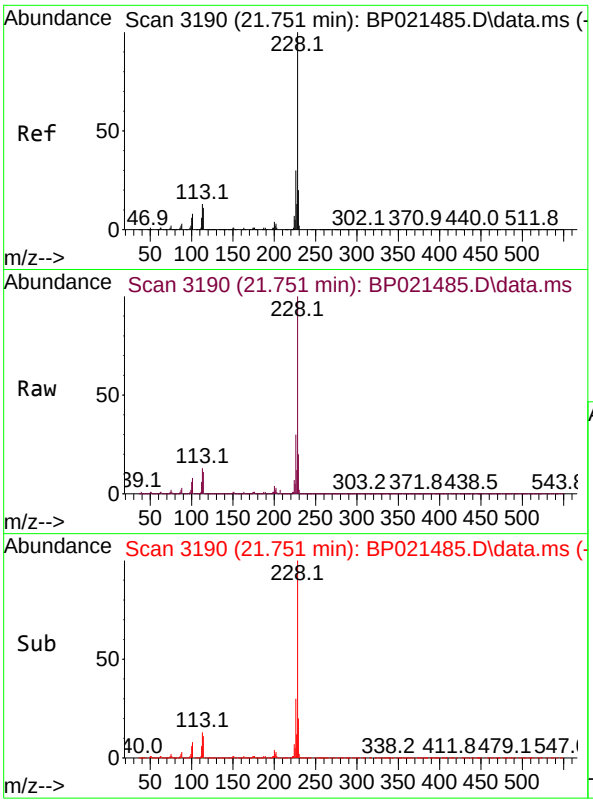


#82
3,3'-Dichlorobenzidine
Concen: 42.572 ng
RT: 21.610 min Scan# 3166
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:252 Resp: 1559563

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	10.9	8.7	13.1

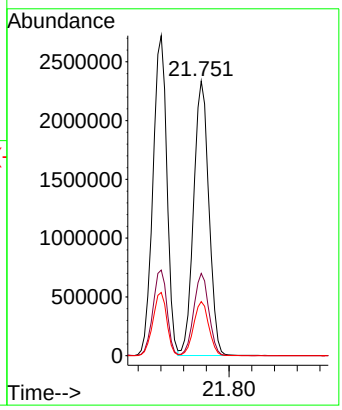




#83
Chrysene
Concen: 40.405 ng
RT: 21.751 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:228 Resp: 435869

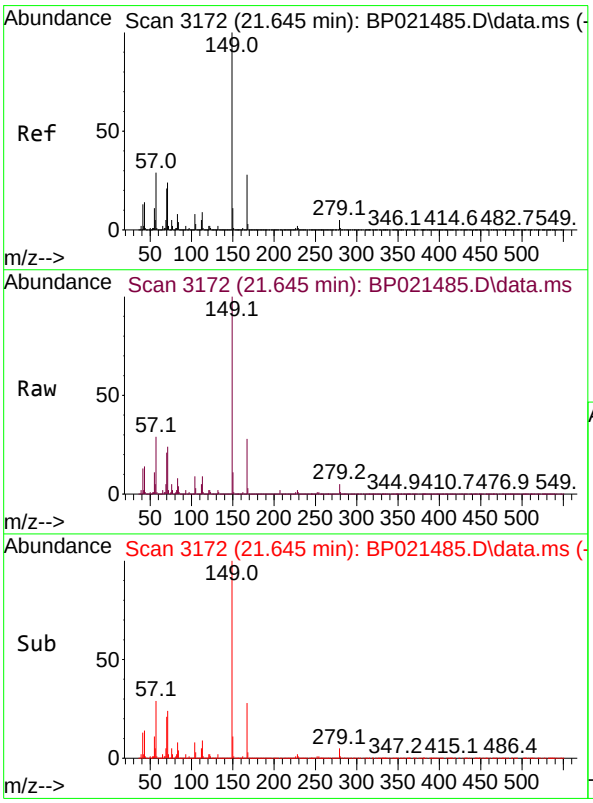
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.7	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

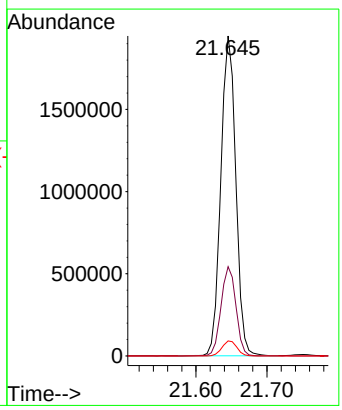
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

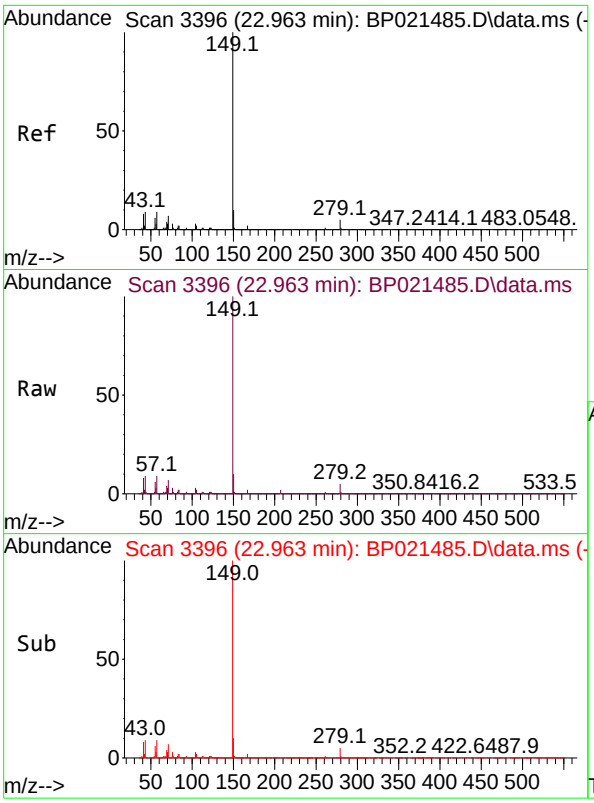


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.082 ng
RT: 21.645 min Scan# 3172
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:149 Resp: 2841806

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.3	33.5
279	4.7	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 39.238 ng
RT: 22.963 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

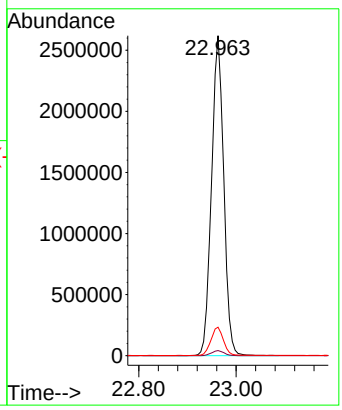
Tgt Ion:149 Resp: 453821

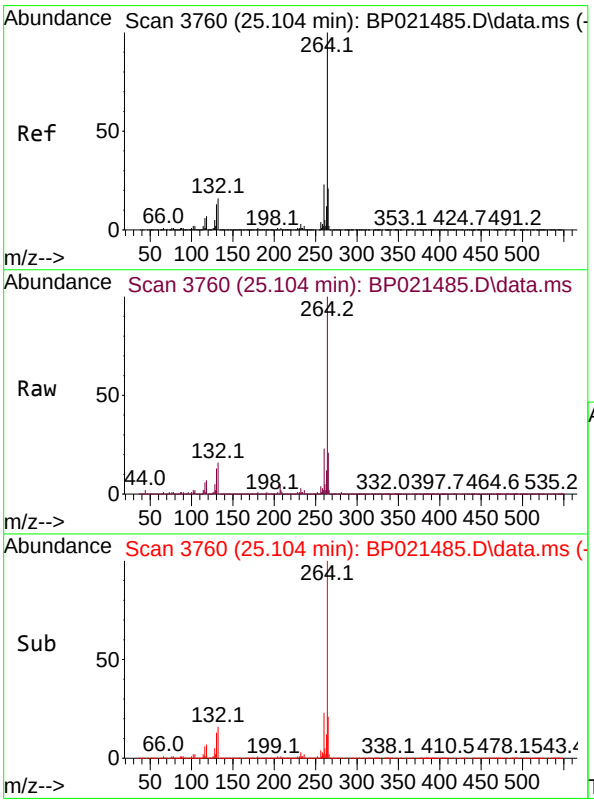
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.1	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

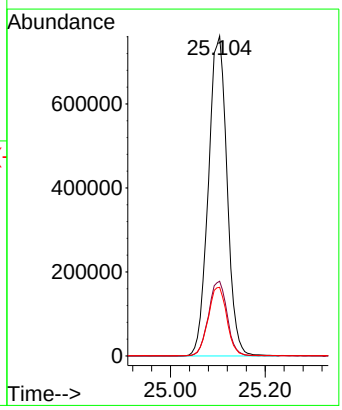


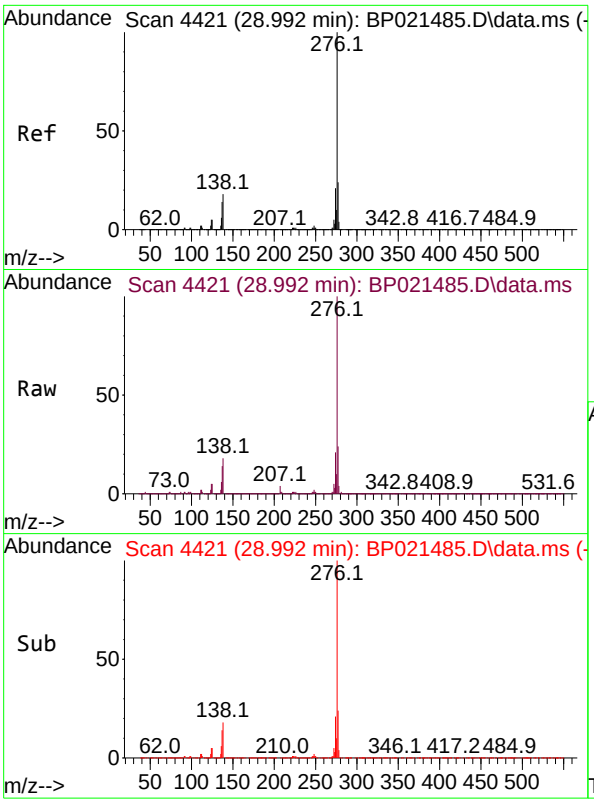


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.104 min Scan# 3760
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:264 Resp: 2085332

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.4	17.1	25.7

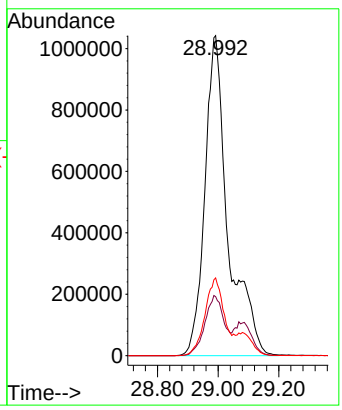




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.941 ng m
RT: 28.992 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:276 Resp: 553354

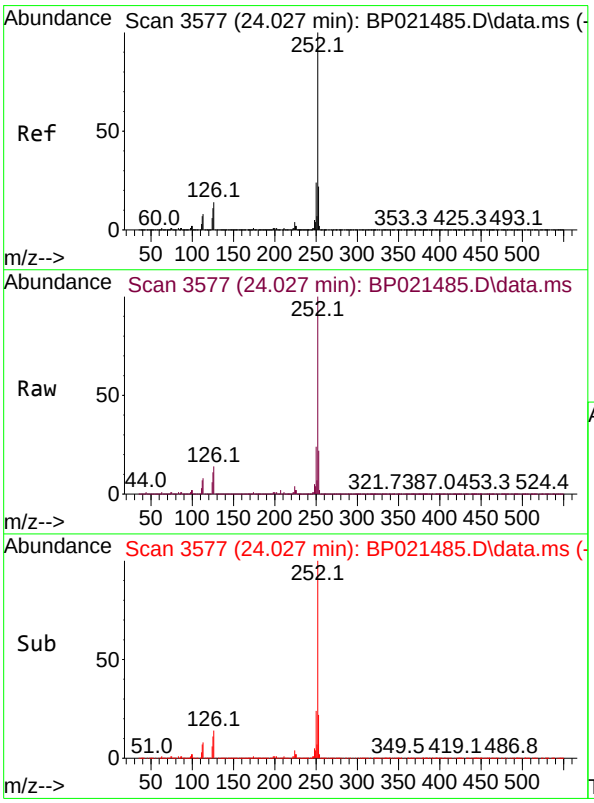
Ion	Ratio	Lower	Upper
276	100		
138	16.0	12.8	19.2
277	20.6	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

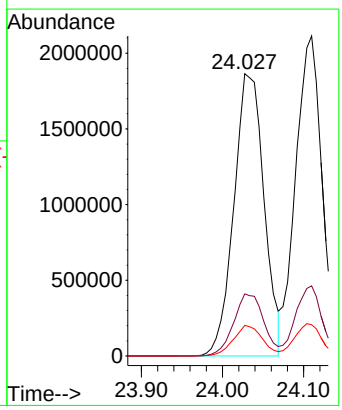
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

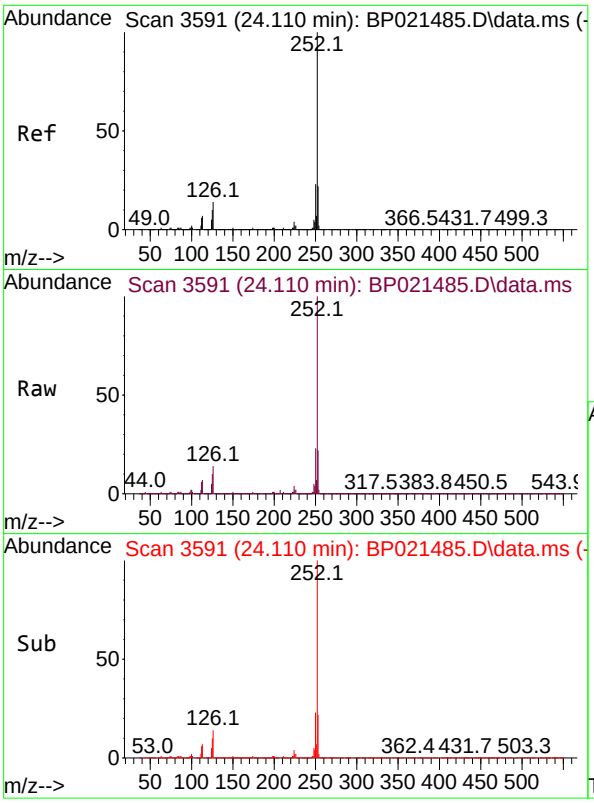


#88
Benzo(b)fluoranthene
Concen: 40.211 ng
RT: 24.027 min Scan# 3577
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:252 Resp: 4815875

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.8	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 40.717 ng
RT: 24.110 min Scan# 3
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

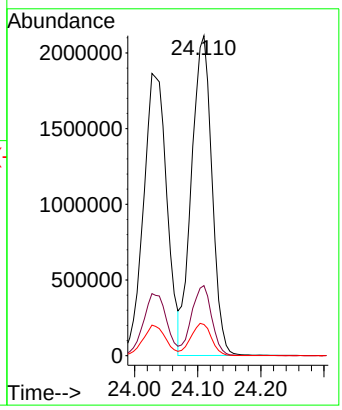
Tgt Ion:252 Resp: 475700

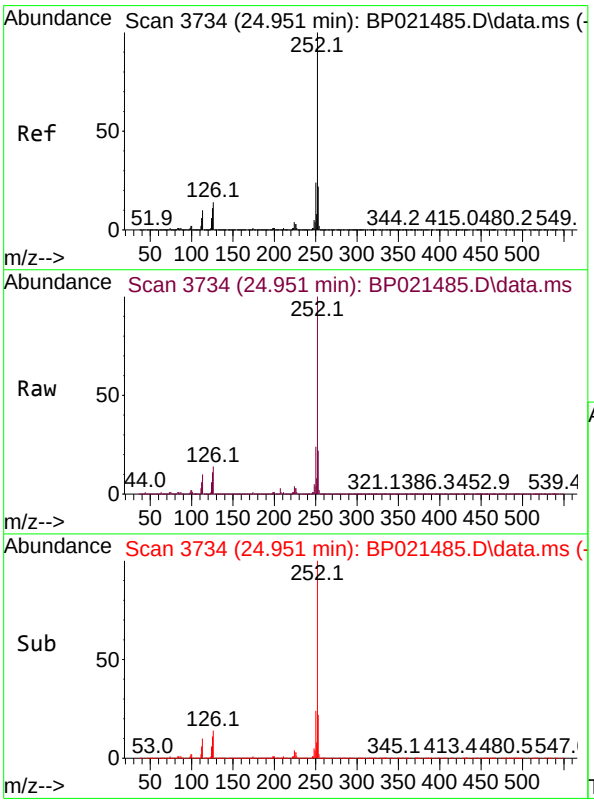
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.8	7.8	11.8

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

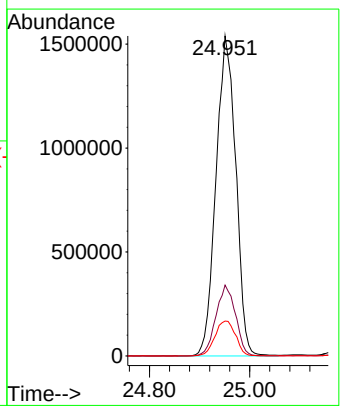


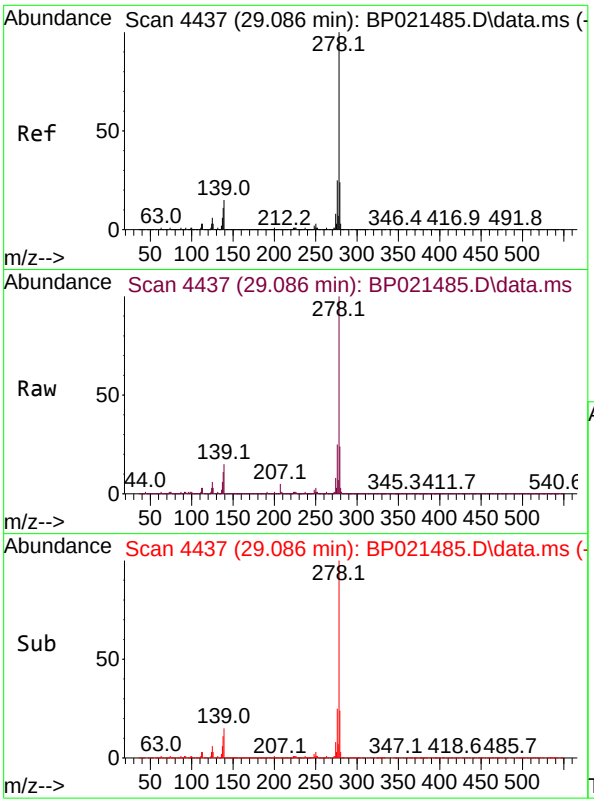


#90
Benzo(a)pyrene
Concen: 40.616 ng
RT: 24.951 min Scan# 3734
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:252 Resp: 4221348

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.9	8.7	13.1

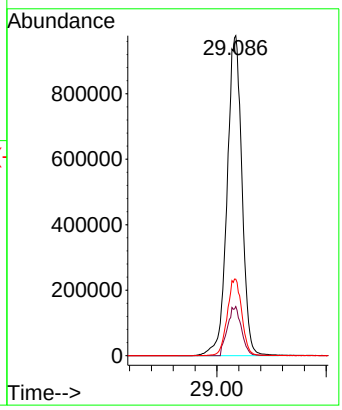




#91
Dibenzo(a,h)anthracene
Concen: 40.908 ng
RT: 29.086 min Scan# 44
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:278 Resp: 459455

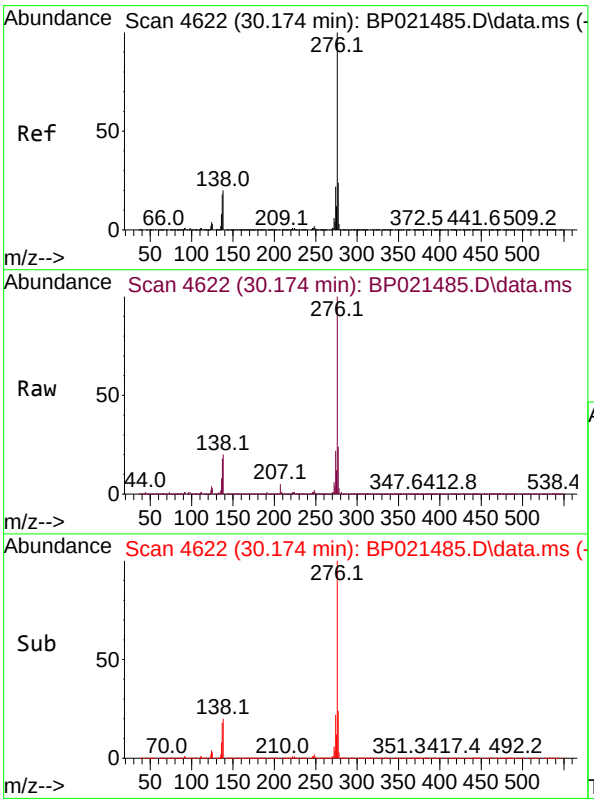
Ion	Ratio	Lower	Upper
278	100		
139	15.3	12.2	18.4
279	23.9	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

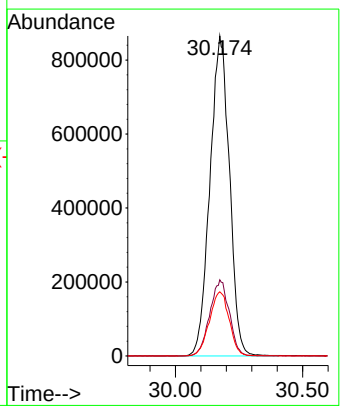
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 40.824 ng
RT: 30.174 min Scan# 4622
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Tgt Ion:276 Resp: 4595577

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	20.0	16.0	24.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021486.D
Acq On : 13 Aug 2024 16:09
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 13 23:54:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	410033	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1728756	20.000	ng	0.00
39) Acenaphthene-d10	14.446	164	1119203	20.000	ng	-0.01
64) Phenanthrene-d10	17.257	188	2278560	20.000	ng	0.00
76) Chrysene-d12	21.710	240	2093381	20.000	ng	0.01
86) Perylene-d12	25.121	264	2377136	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2713912	98.280	ng	0.00
7) Phenol-d6	6.964	99	4004371	99.407	ng	0.00
23) Nitrobenzene-d5	8.958	82	3559213	106.266	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	1295133	103.974	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	7073510	96.455	ng	0.00
79) Terphenyl-d14	19.981	244	10188627	94.554	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	614292	46.916	ng	99
3) Pyridine	3.705	79	1785033m	48.836	ng	
4) n-Nitrosodimethylamine	3.617	42	529008	48.151	ng	99
6) Aniline	7.134	93	1973018	48.993	ng	100
8) 2-Chlorophenol	7.369	128	1266906	49.646	ng	98
9) Benzaldehyde	6.946	77	1099572	42.632	ng	99
10) Phenol	6.987	94	2070173	49.628	ng	99
11) bis(2-Chloroethyl)ether	7.228	93	1722098	48.789	ng	100
12) 1,3-Dichlorobenzene	7.699	146	1457386	48.079	ng	99
13) 1,4-Dichlorobenzene	7.840	146	1470548	48.044	ng	99
14) 1,2-Dichlorobenzene	8.158	146	1411170	47.842	ng	99
15) Benzyl Alcohol	8.034	79	1452516	50.255	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	1588042	48.854	ng	99
17) 2-Methylphenol	8.234	107	1308851	49.632	ng	99
18) Hexachloroethane	8.887	117	601480	49.004	ng	97
19) n-Nitroso-di-n-propyla...	8.611	70	1340426	48.171	ng	99
20) 3+4-Methylphenols	8.564	107	1777289	49.982	ng	98
22) Acetophenone	8.616	105	2552368	48.058	ng	99
24) Nitrobenzene	8.999	77	1881606	51.725	ng	98
25) Isophorone	9.522	82	3789274	47.889	ng	99
26) 2-Nitrophenol	9.705	139	464597	49.970	ng	98
27) 2,4-Dimethylphenol	9.763	122	956577	48.987	ng	98
28) bis(2-Chloroethoxy)met...	10.005	93	2342749	48.504	ng	100
29) 2,4-Dichlorophenol	10.234	162	1189252	51.545	ng	98
30) 1,2,4-Trichlorobenzene	10.458	180	1428575	48.296	ng	99
31) Naphthalene	10.646	128	4330348	47.949	ng	100
32) Benzoic acid	9.899	122	652668	50.213	ng	99
33) 4-Chloroaniline	10.746	127	1640026	48.345	ng	99
34) Hexachlorobutadiene	10.946	225	906501	48.672	ng	100
35) Caprolactam	11.510	113	469071	48.850	ng	98
36) 4-Chloro-3-methylphenol	11.863	107	1600490	50.008	ng	99
37) 2-Methylnaphthalene	12.263	142	2950679	47.872	ng	100
38) 1-Methylnaphthalene	12.481	142	2908087	47.838	ng	100
40) 1,2,4,5-Tetrachloroben...	12.628	216	1617735	49.332	ng	100
41) Hexachlorocyclopentadiene	12.616	237	546269	52.560	ng	99
43) 2,4,6-Trichlorophenol	12.863	196	949480	52.124	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021486.D
Acq On : 13 Aug 2024 16:09
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 13 23:54:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	1056277	52.191	ng	98
46) 1,1'-Biphenyl	13.275	154	3811862	48.139	ng	100
47) 2-Chloronaphthalene	13.310	162	2979553	48.332	ng	98
48) 2-Nitroaniline	13.504	65	821676	47.603	ng	98
49) Acenaphthylene	14.169	152	4367223	48.190	ng	100
50) Dimethylphthalate	13.910	163	3569162	47.620	ng	99
51) 2,6-Dinitrotoluene	14.010	165	731267	48.330	ng	99
52) Acenaphthene	14.516	154	2861701	48.126	ng	100
53) 3-Nitroaniline	14.340	138	710103	47.788	ng	97
54) 2,4-Dinitrophenol	14.551	184	205628	49.369	ng	97
55) Dibenzofuran	14.857	168	4373407	47.811	ng	100
56) 4-Nitrophenol	14.646	139	562138	47.429	ng	96
57) 2,4-Dinitrotoluene	14.810	165	918371	47.777	ng	98
58) Fluorene	15.522	166	3525015	46.908	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.081	232	885682	51.558	ng	99
60) Diethylphthalate	15.304	149	3687157	47.945	ng	99
61) 4-Chlorophenyl-phenyle...	15.516	204	1836235	47.272	ng	97
62) 4-Nitroaniline	15.522	138	733231	47.987	ng	94
63) Azobenzene	15.810	77	4349860	46.014	ng	99
65) 4,6-Dinitro-2-methylph...	15.587	198	342052	49.749	ng	98
66) n-Nitrosodiphenylamine	15.734	169	2980276	48.807	ng	100
67) 4-Bromophenyl-phenylether	16.434	248	1198687	49.707	ng	98
68) Hexachlorobenzene	16.545	284	1395323	48.961	ng	99
69) Atrazine	16.716	200	1019051	48.608	ng	98
70) Pentachlorophenol	16.892	266	812046	52.206	ng	99
71) Phenanthrene	17.304	178	5308898	48.447	ng	100
72) Anthracene	17.392	178	5212543	48.503	ng	100
73) Carbazole	17.669	167	4974161	48.027	ng	99
74) Di-n-butylphthalate	18.287	149	6454560	50.745	ng	100
75) Fluoranthene	19.386	202	6476130	48.166	ng	99
77) Benzidine	19.575	184	2493655	52.808	ng	100
78) Pyrene	19.757	202	6603640	48.263	ng	99
80) Butylbenzylphthalate	20.710	149	2559896	49.198	ng	98
81) Benzo(a)anthracene	21.686	228	6405297	48.741	ng	99
82) 3,3'-Dichlorobenzidine	21.610	252	2191535	52.013	ng	99
83) Chrysene	21.763	228	6024463	48.555	ng	100
84) Bis(2-ethylhexyl)phtha...	21.645	149	4205342	54.143	ng	100
85) Di-n-octyl phthalate	22.969	149	6722548	49.144	ng	100
87) Indeno(1,2,3-cd)pyrene	29.004	276	7707464m	50.025	ng	
88) Benzo(b)fluoranthene	24.039	252	6647186	48.689	ng	100
89) Benzo(k)fluoranthene	24.116	252	6552987	49.204	ng	99
90) Benzo(a)pyrene	24.957	252	5918922	49.959	ng	99
91) Dibenzo(a,h)anthracene	29.092	278	6420896	50.151	ng	99
92) Benzo(g,h,i)perylene	30.221	276	6383870	49.748	ng	99

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

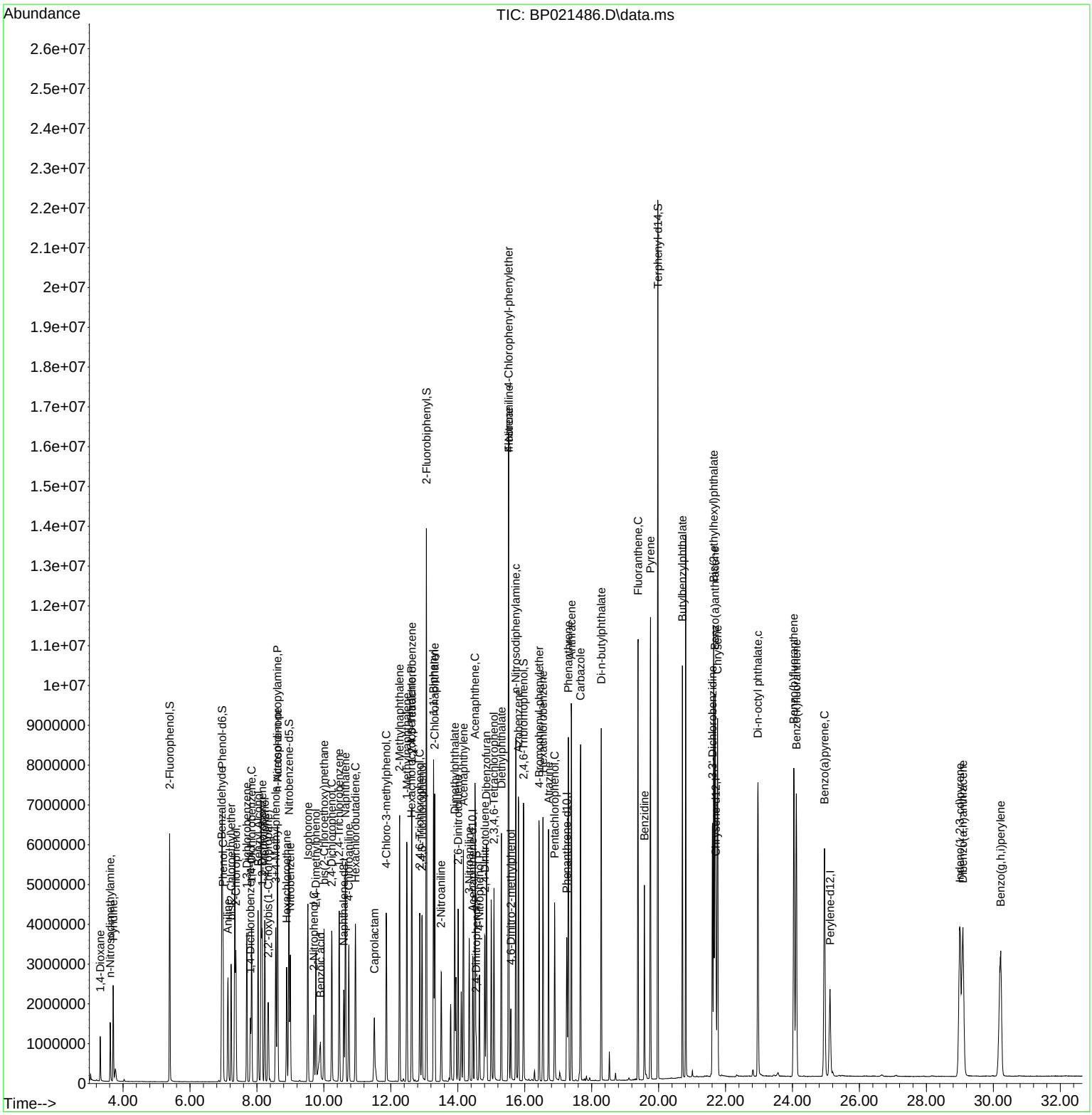
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Data File : BP021486.D
Acq On : 13 Aug 2024 16:09
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

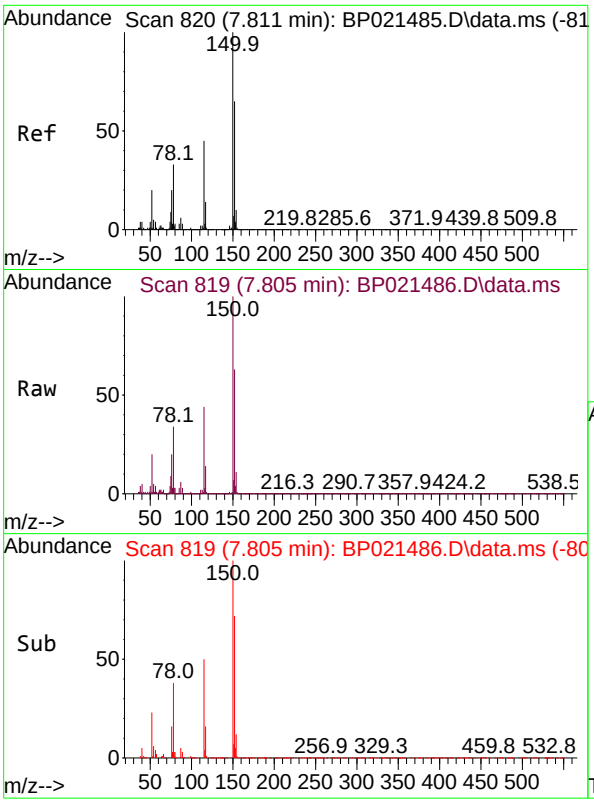
Quant Time: Aug 13 23:54:25 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

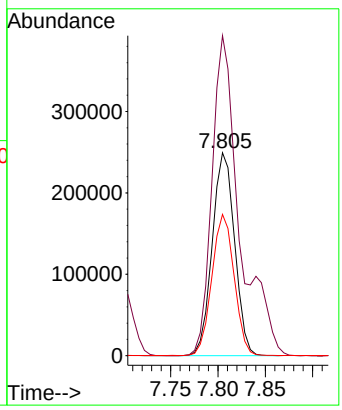




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:152 Resp: 41003

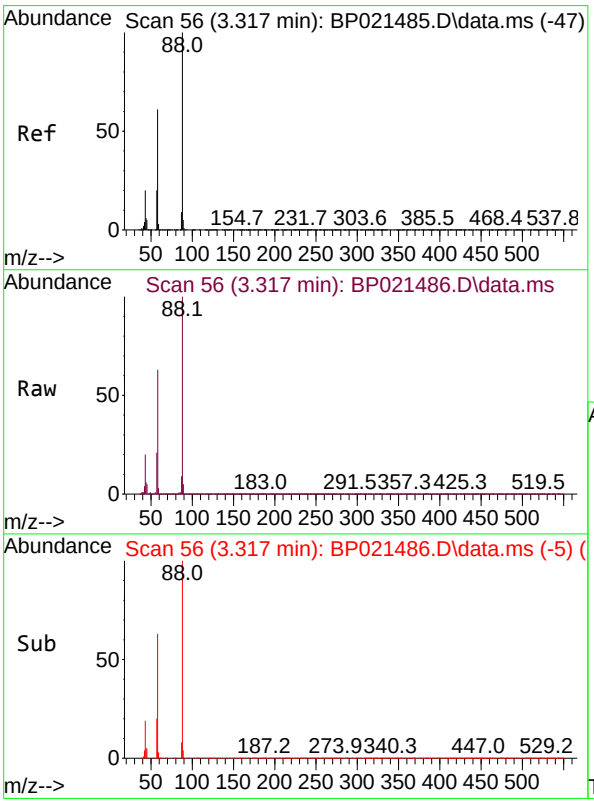
Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.4	183.6
115	69.6	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

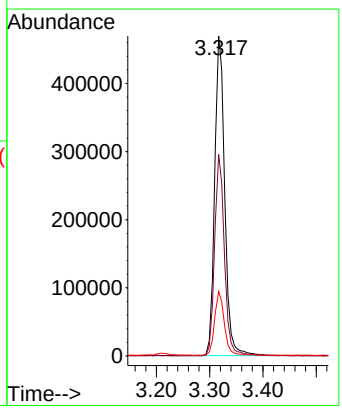
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

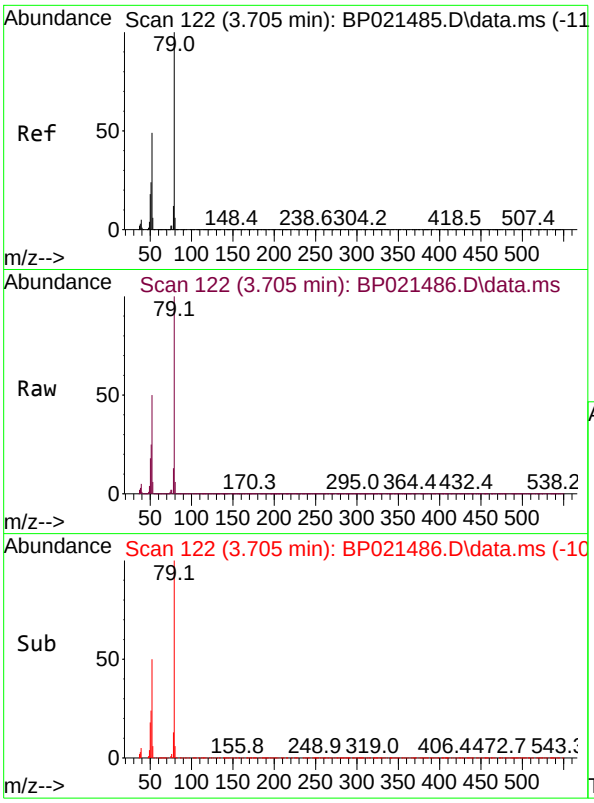


#2
1,4-Dioxane
Concen: 46.916 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 88 Resp: 614292

Ion	Ratio	Lower	Upper
88	100		
58	61.9	48.7	73.1
43	19.4	15.4	23.2

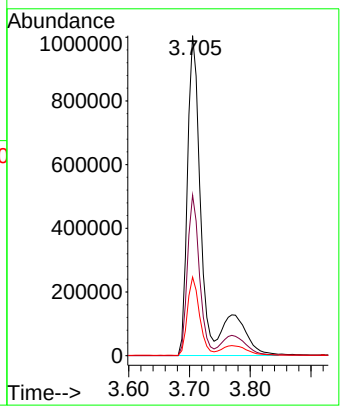




#3
Pyridine
Concen: 48.836 ng m
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 79 Resp: 178503

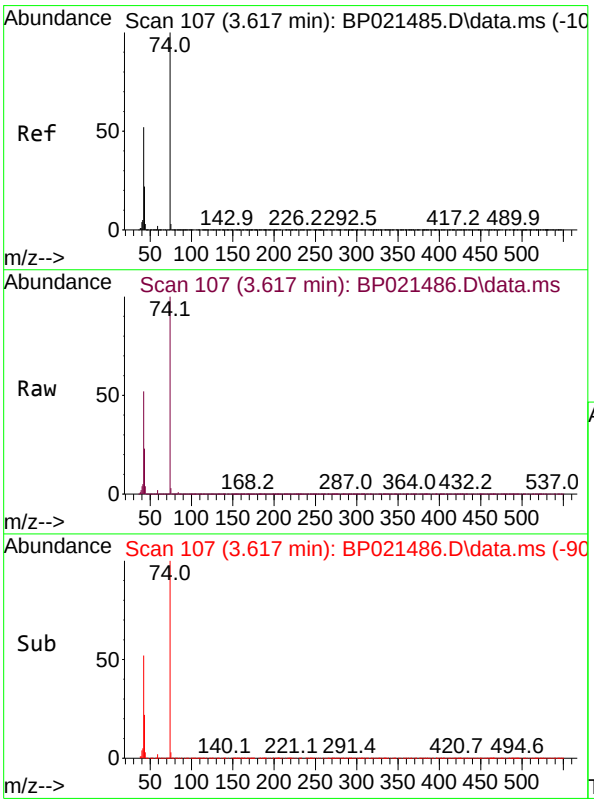
Ion	Ratio	Lower	Upper
79	100		
52	50.2	39.0	58.6
51	24.5	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

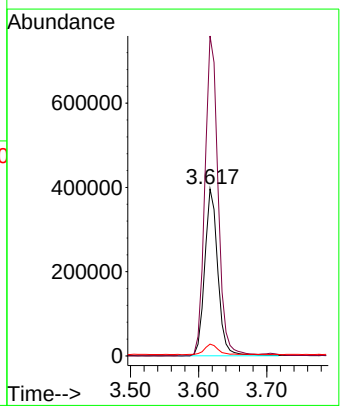
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

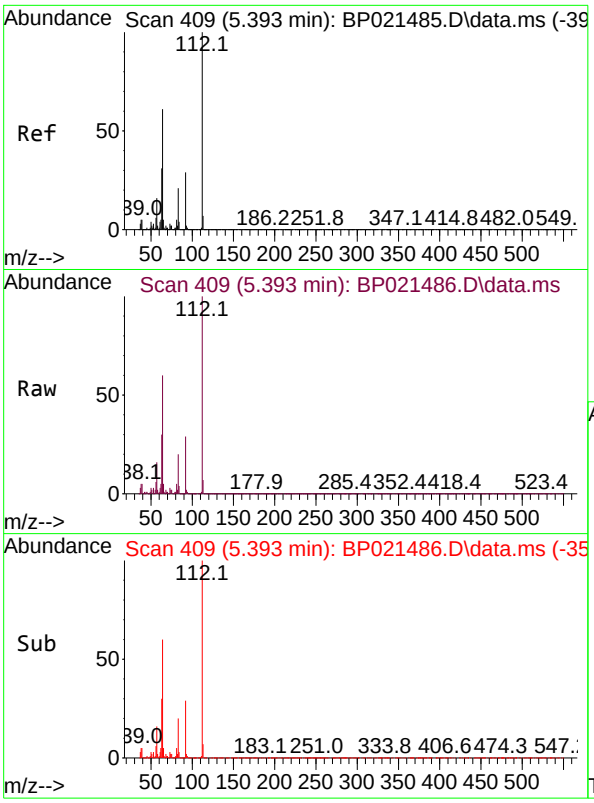


#4
n-Nitrosodimethylamine
Concen: 48.151 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 42 Resp: 529008

Ion	Ratio	Lower	Upper
42	100		
74	191.6	154.3	231.5
44	7.1	6.2	9.4





#5
2-Fluorophenol
Concen: 98.280 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

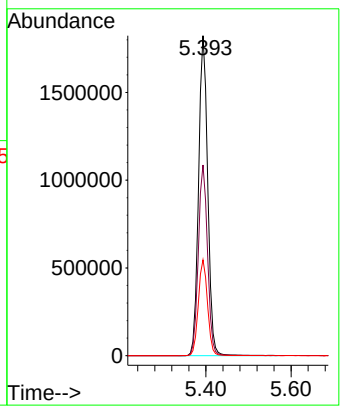
Tgt Ion:112 Resp: 271391

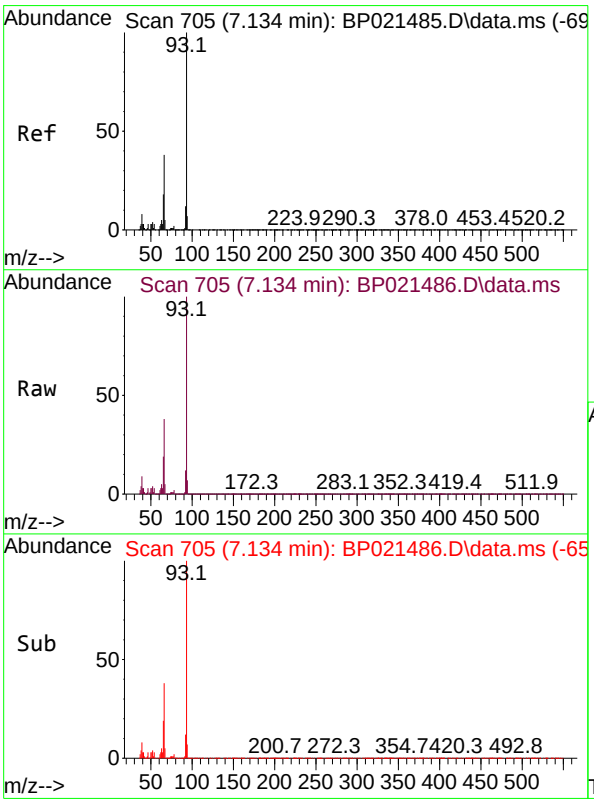
Ion	Ratio	Lower	Upper
112	100		
64	59.6	49.0	73.6
63	29.9	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

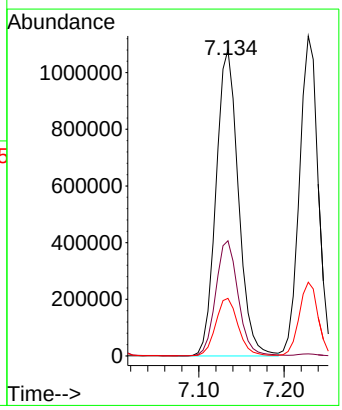


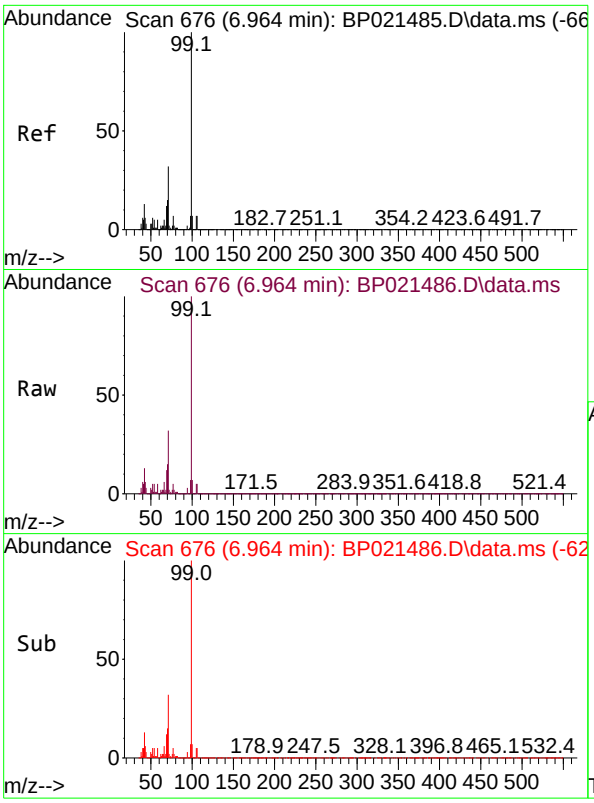


#6
Aniline
Concen: 48.993 ng
RT: 7.134 min Scan# 705
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 93 Resp: 1973018

Ion	Ratio	Lower	Upper
93	100		
66	37.6	30.2	45.2
65	18.8	14.7	22.1

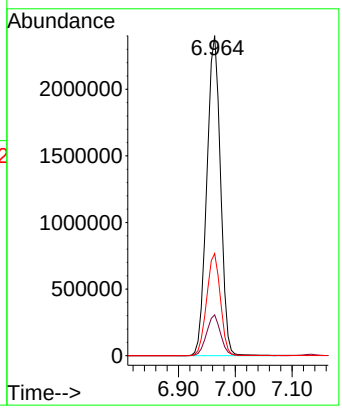




#7
Phenol-d6
Concen: 99.407 ng
RT: 6.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 99 Resp: 400437

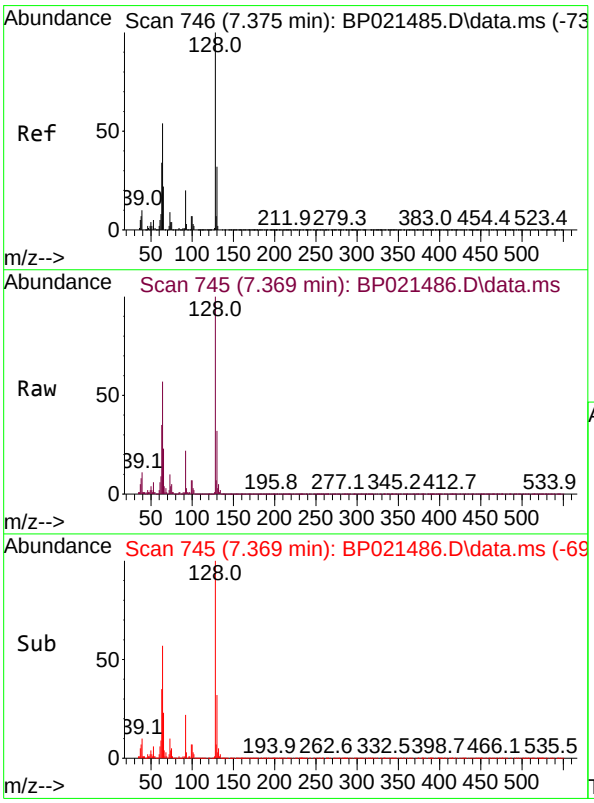
Ion	Ratio	Lower	Upper
99	100		
42	12.8	10.2	15.4
71	31.9	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

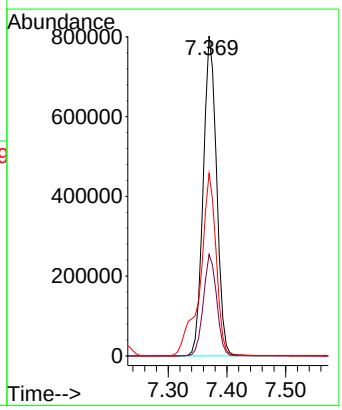
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

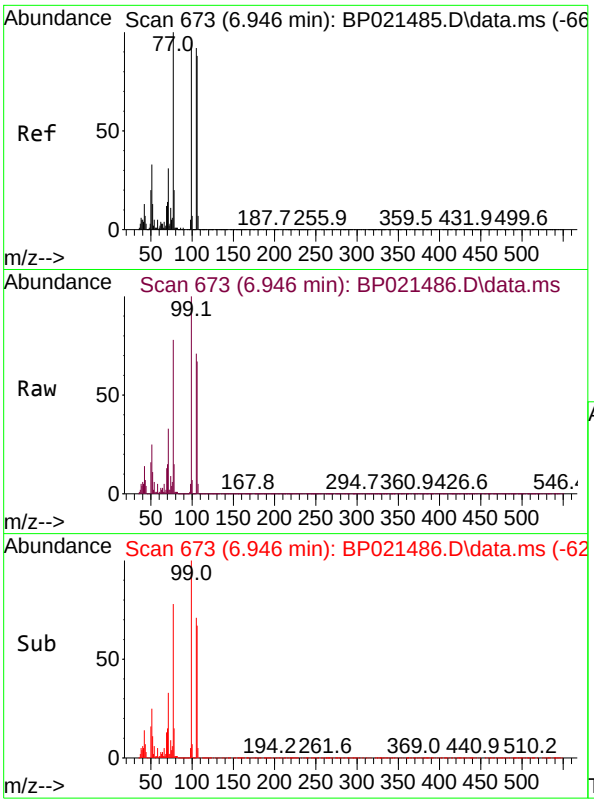


#8
2-Chlorophenol
Concen: 49.646 ng
RT: 7.369 min Scan# 745
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:128 Resp: 1266906

Ion	Ratio	Lower	Upper
128	100		
130	31.8	11.6	51.6
64	57.0	35.3	75.3

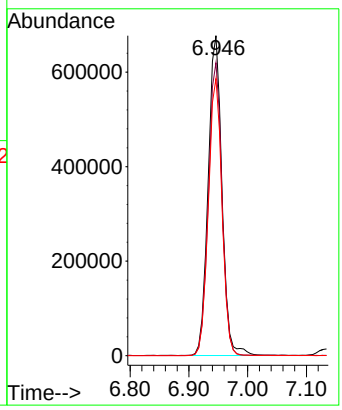




#9
Benzaldehyde
Concen: 42.632 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 77 Resp: 109957

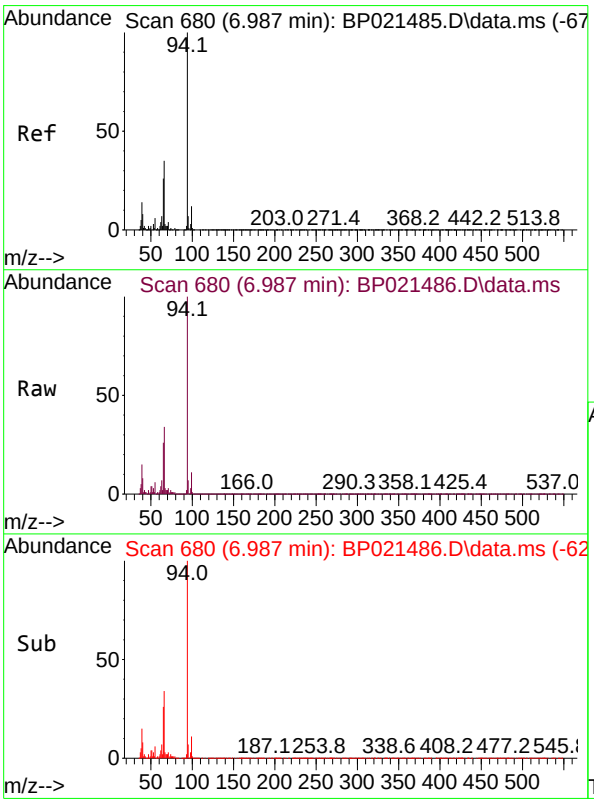
Ion	Ratio	Lower	Upper
77	100		
105	91.6	72.1	112.1
106	86.6	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

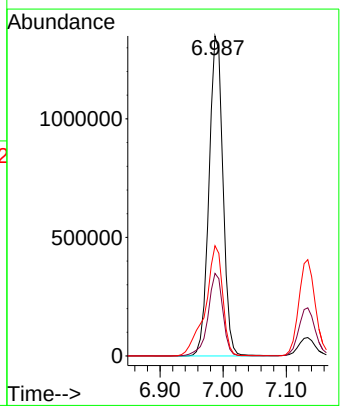
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

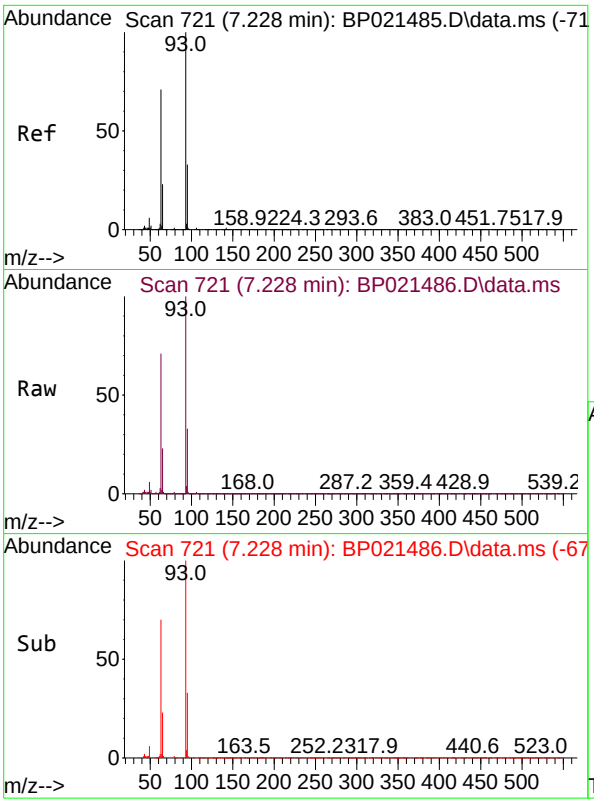


#10
Phenol
Concen: 49.628 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 94 Resp: 2070173

Ion	Ratio	Lower	Upper
94	100		
65	25.8	6.5	46.5
66	34.5	14.7	54.7

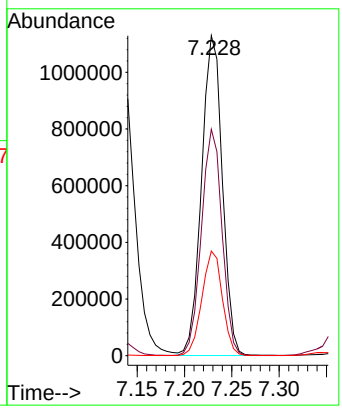




#11
bis(2-Chloroethyl)ether
Concen: 48.789 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 93 Resp: 172209

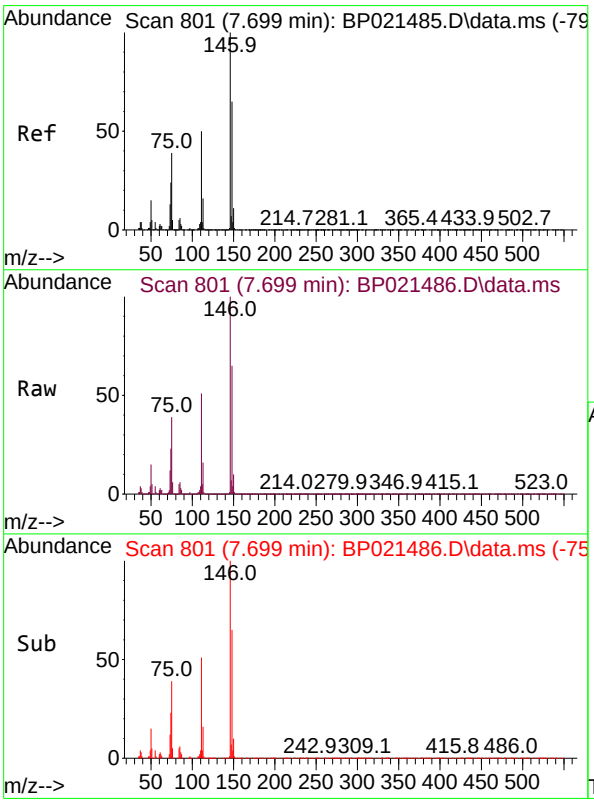
Ion	Ratio	Lower	Upper
93	100		
63	70.8	51.0	91.0
95	32.7	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

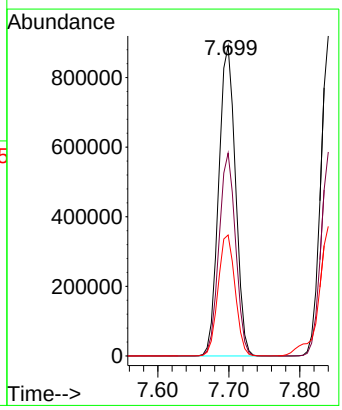
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

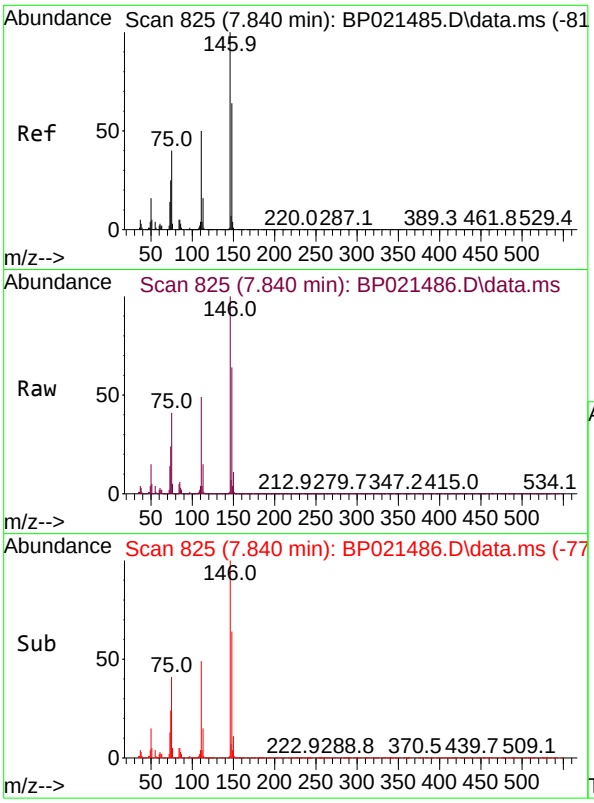


#12
1,3-Dichlorobenzene
Concen: 48.079 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:146 Resp: 1457386

Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.8	77.6
75	39.0	31.3	46.9

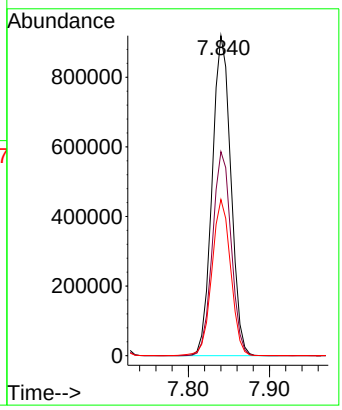




#13
1,4-Dichlorobenzene
Concen: 48.044 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:146 Resp: 147054

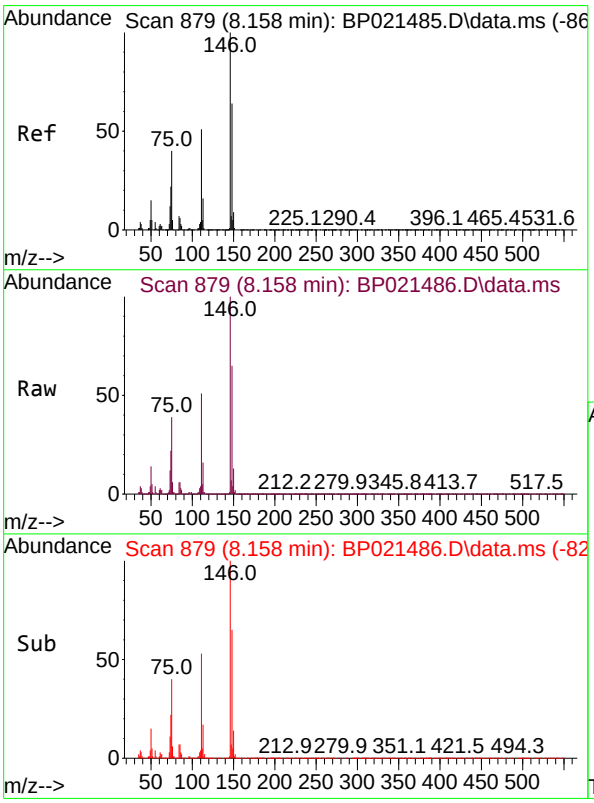
Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.5	77.3
111	48.8	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

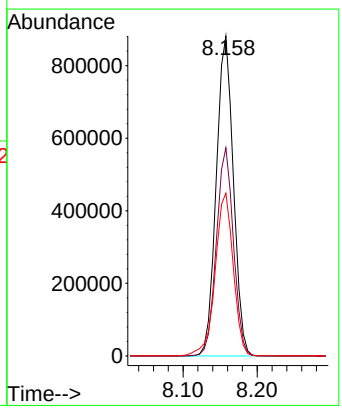
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

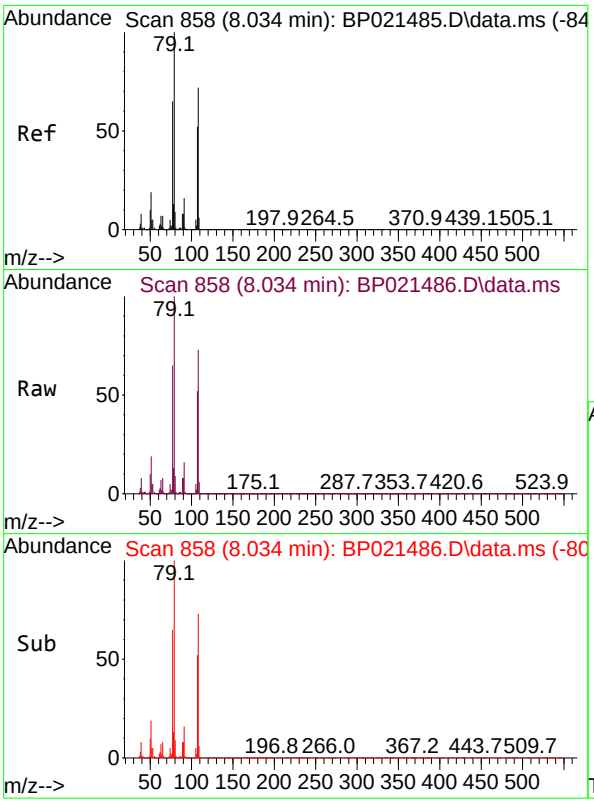


#14
1,2-Dichlorobenzene
Concen: 47.842 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:146 Resp: 1411170

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.5	77.3
111	50.9	41.1	61.7

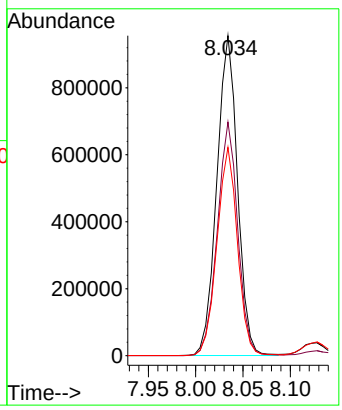




#15
Benzyl Alcohol
Concen: 50.255 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 79 Resp: 145251

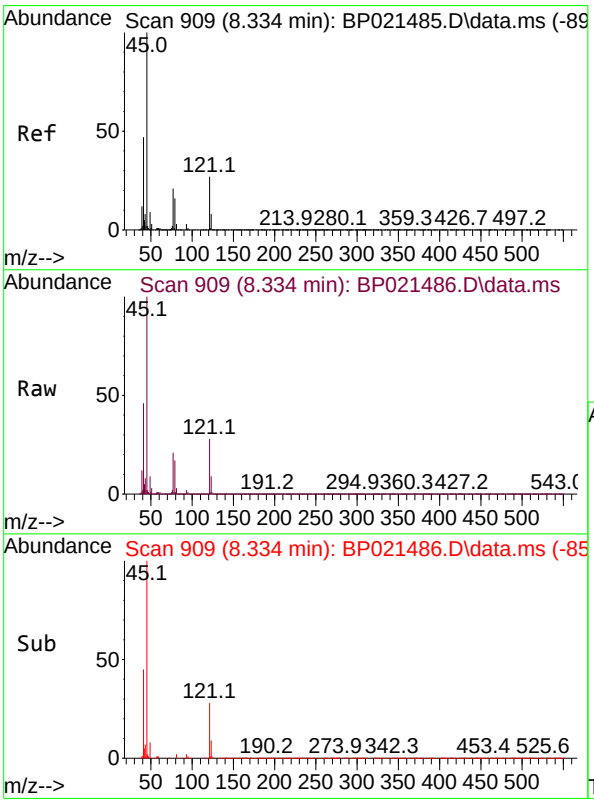
Ion	Ratio	Lower	Upper
79	100		
108	73.0	57.9	86.9
77	65.1	51.8	77.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

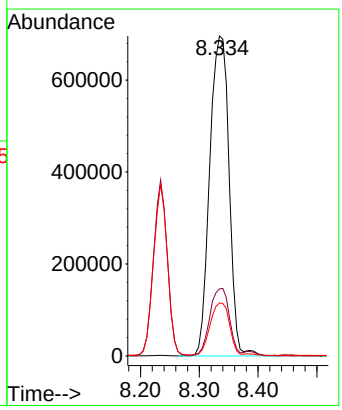
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

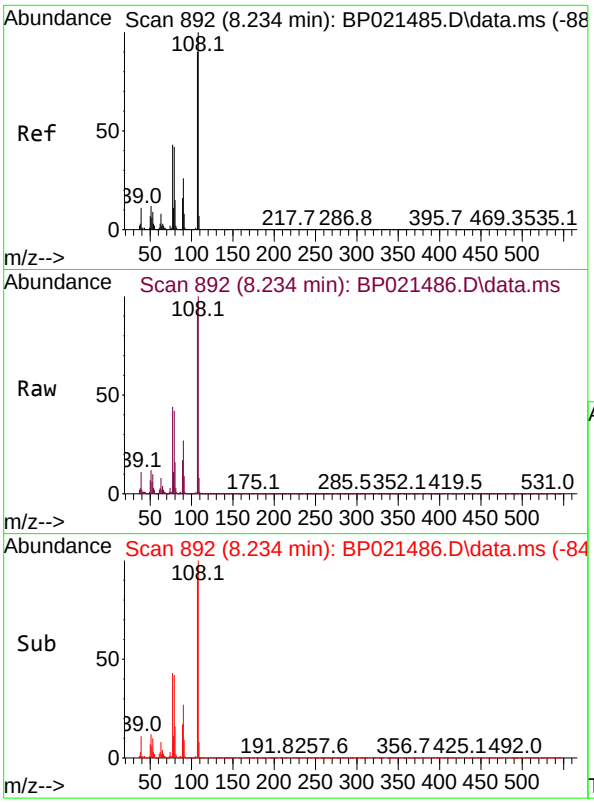


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.854 ng
RT: 8.334 min Scan# 909
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 45 Resp: 1588042

Ion	Ratio	Lower	Upper
45	100		
77	21.0	1.9	41.9
79	16.5	0.0	36.6

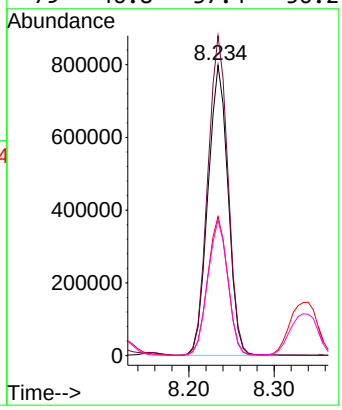




#17
2-Methylphenol
Concen: 49.632 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:107 Resp: 130885

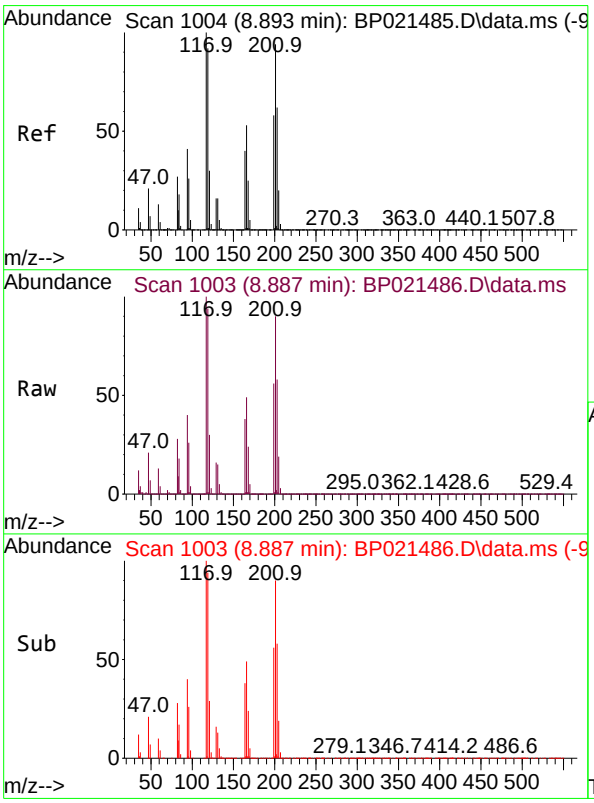
Ion	Ratio	Lower	Upper
107	100		
108	110.2	88.8	133.2
77	47.9	38.7	58.1
79	46.8	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

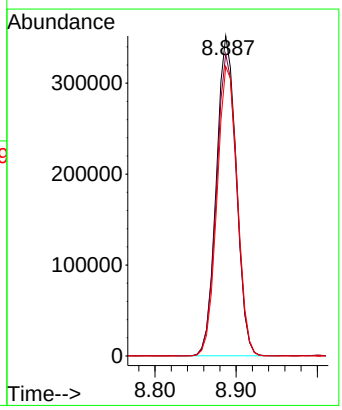
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

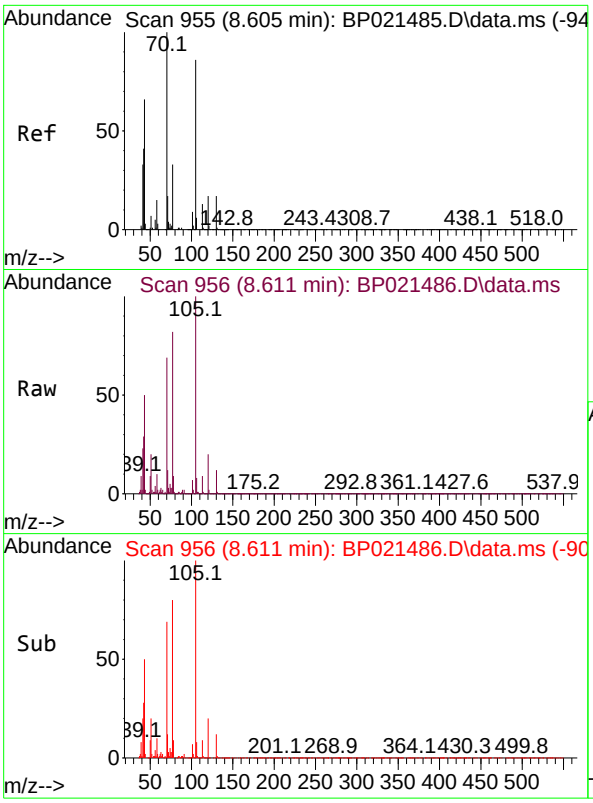


#18
Hexachloroethane
Concen: 49.004 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:117 Resp: 601480

Ion	Ratio	Lower	Upper
117	100		
119	94.4	73.9	110.9
201	90.5	74.9	112.3

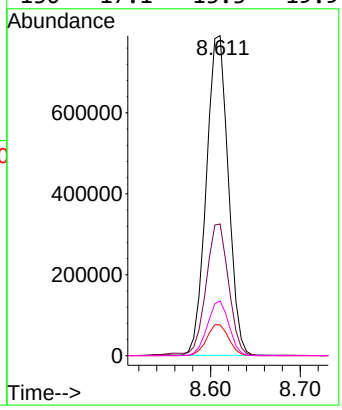




#19
n-Nitroso-di-n-propylamine
Concen: 48.171 ng
RT: 8.611 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 70 Resp: 134042

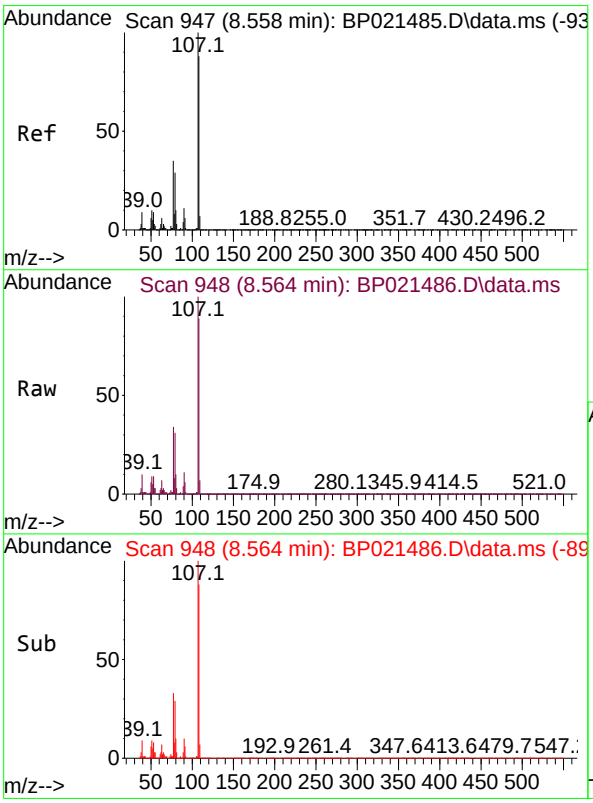
Ion	Ratio	Lower	Upper
70	100		
42	41.2	33.1	49.7
101	9.6	7.4	11.2
130	17.1	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

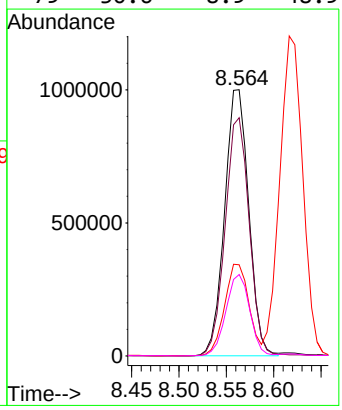
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

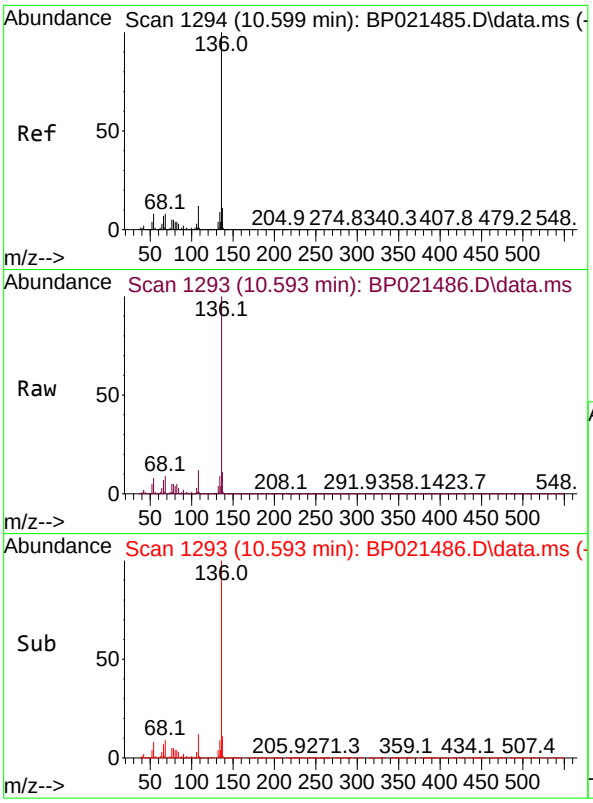


#20
3+4-Methylphenols
Concen: 49.982 ng
RT: 8.564 min Scan# 948
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:107 Resp: 1777289

Ion	Ratio	Lower	Upper
107	100		
108	89.5	67.6	107.6
77	34.2	15.0	55.0
79	30.6	8.9	48.9

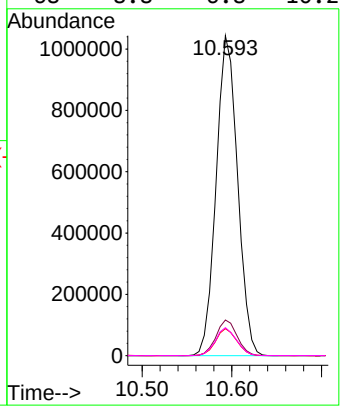




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:136 Resp: 172875

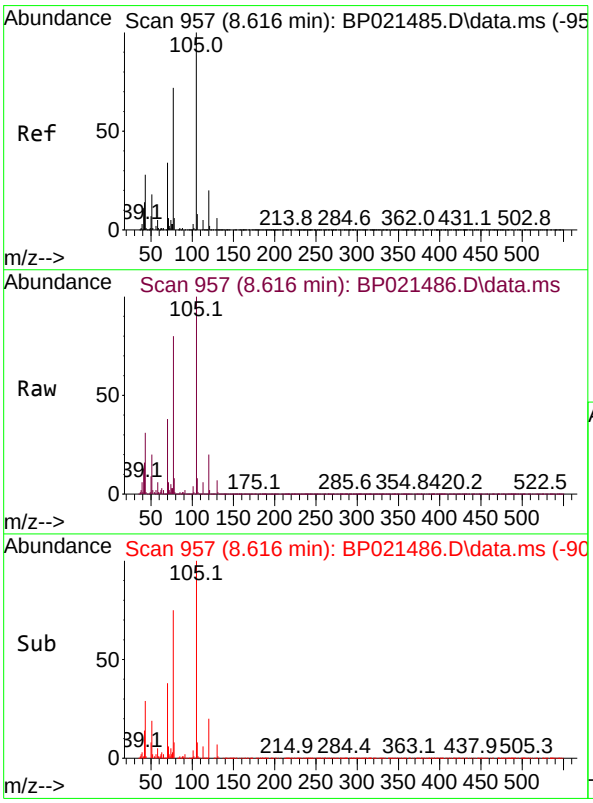
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.5	6.3	9.5
68	8.8	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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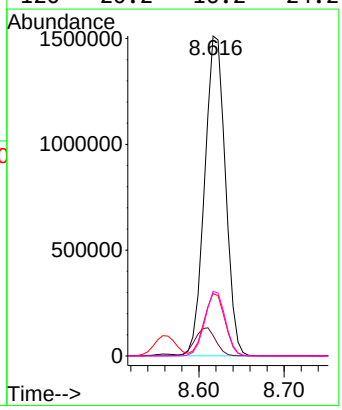
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

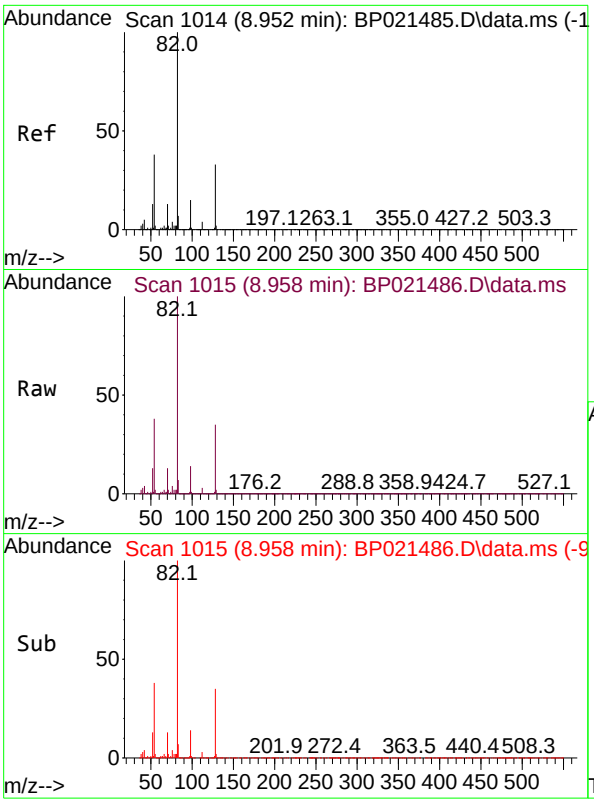


#22
Acetophenone
Concen: 48.058 ng
RT: 8.616 min Scan# 957
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:105 Resp: 2552368

Ion	Ratio	Lower	Upper
105	100		
71	6.4	4.6	7.0
51	19.5	16.3	24.5
120	20.2	16.2	24.2





#23
Nitrobenzene-d5
Concen: 106.266 ng
RT: 8.958 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

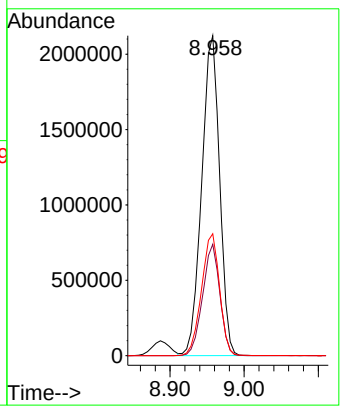
Tgt Ion: 82 Resp: 355921

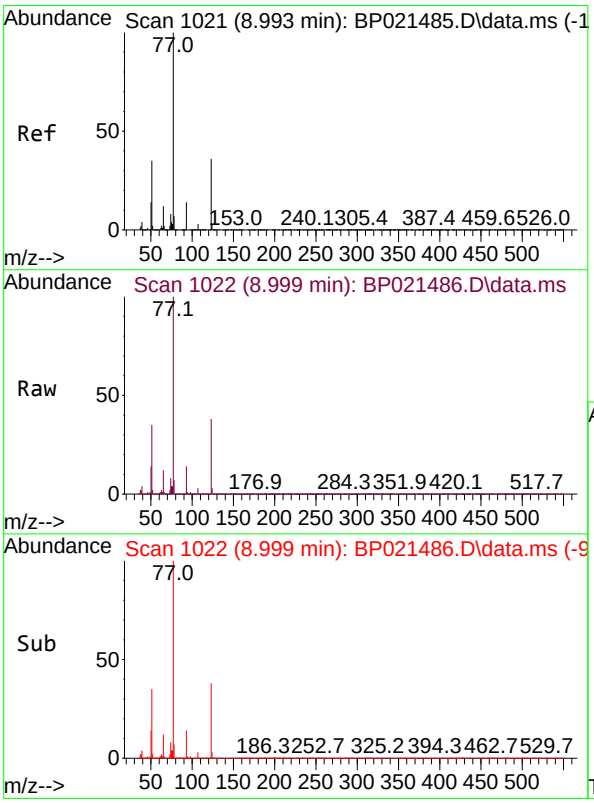
Ion	Ratio	Lower	Upper
82	100		
128	34.8	26.5	39.7
54	38.1	30.3	45.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

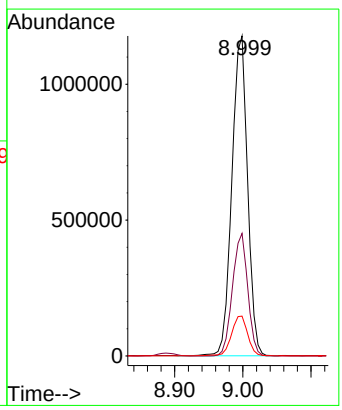


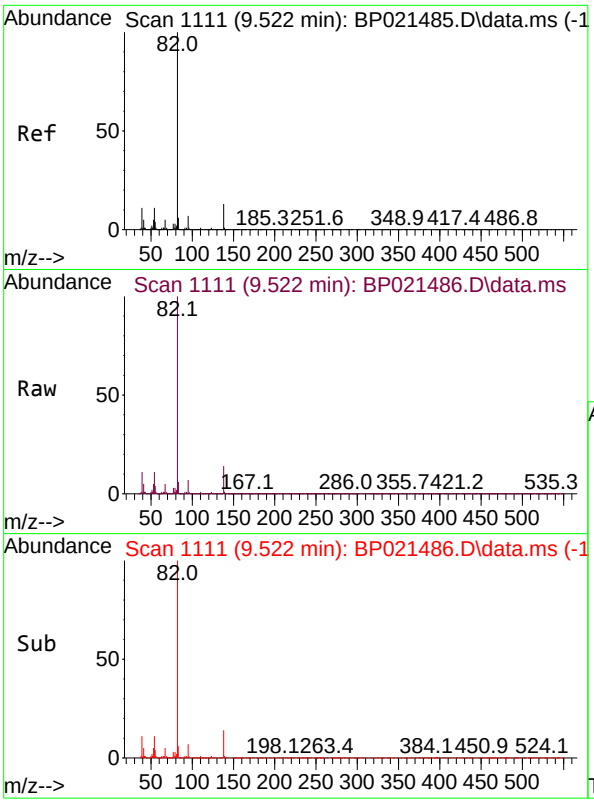


#24
Nitrobenzene
Concen: 51.725 ng
RT: 8.999 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 77 Resp: 1881606

Ion	Ratio	Lower	Upper
77	100		
123	38.3	29.5	44.3
65	12.4	9.9	14.9

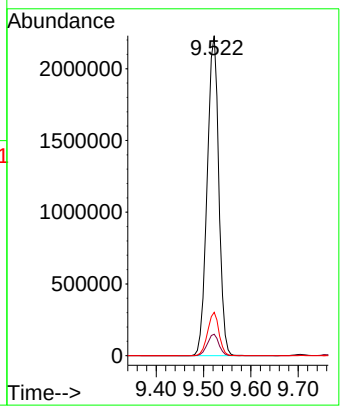




#25
Isophorone
Concen: 47.889 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 82 Resp: 378927

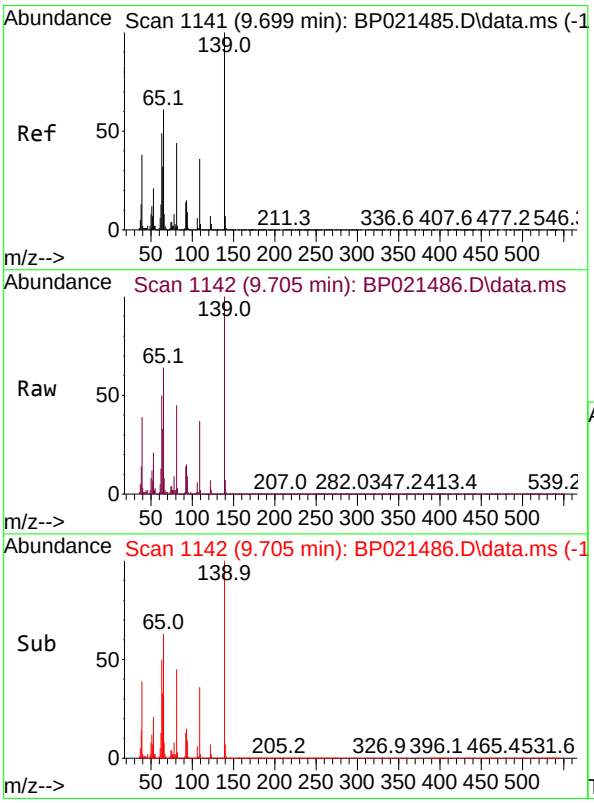
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

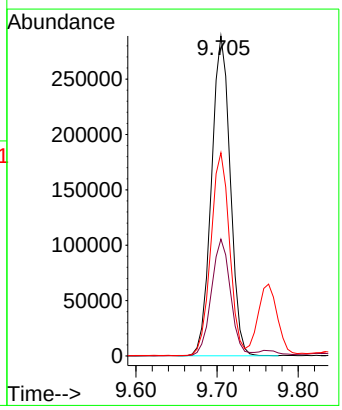
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

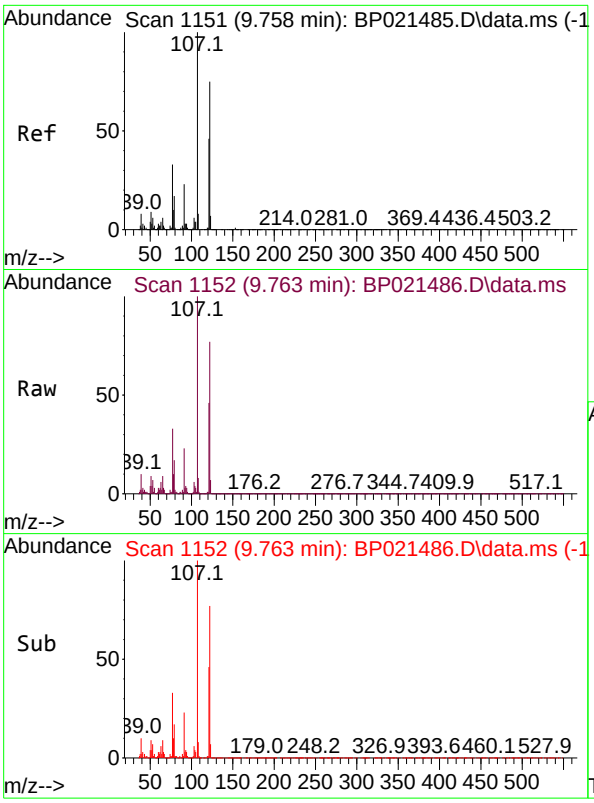


#26
2-Nitrophenol
Concen: 49.970 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:139 Resp: 464597

Ion	Ratio	Lower	Upper
139	100		
109	36.5	28.9	43.3
65	63.5	49.0	73.6





#27
2,4-Dimethylphenol
Concen: 48.987 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

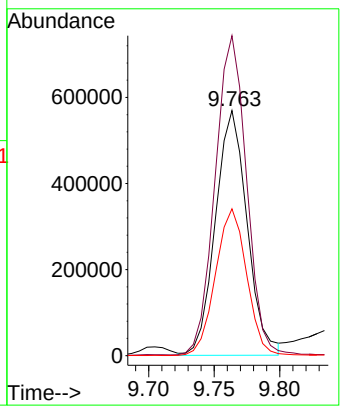
Tgt Ion:122 Resp: 95657

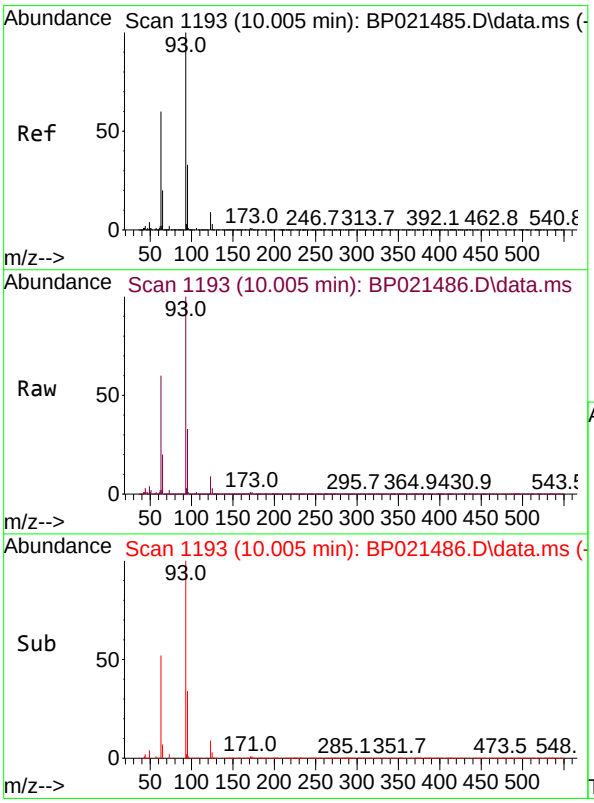
Ion	Ratio	Lower	Upper
122	100		
107	130.6	106.2	159.4
121	60.0	48.8	73.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 08/14/2024
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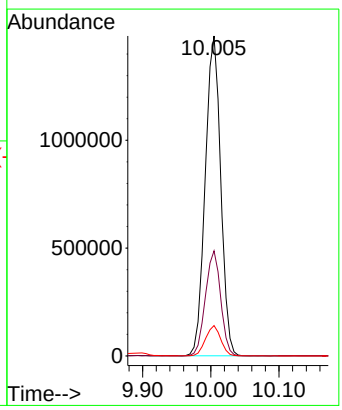


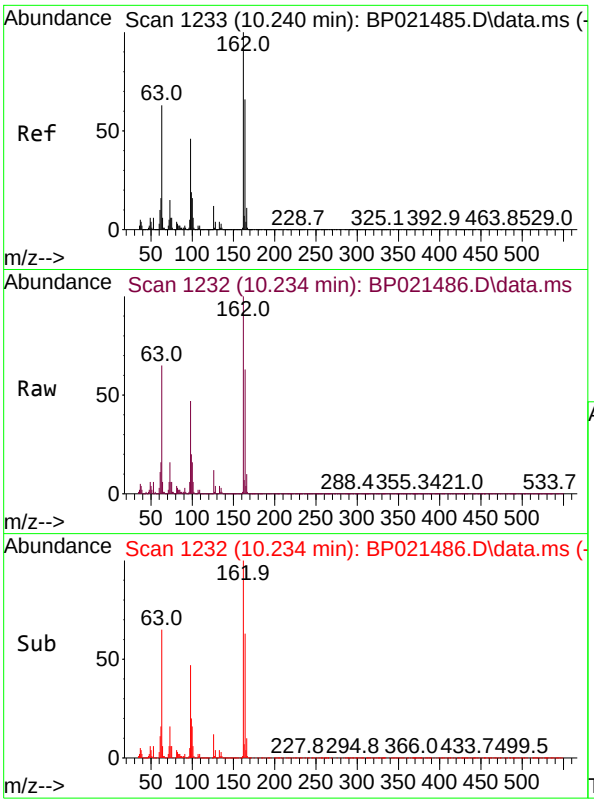


#28
bis(2-Chloroethoxy)methane
Concen: 48.504 ng
RT: 10.005 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 93 Resp: 2342749

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	9.5	7.6	11.4

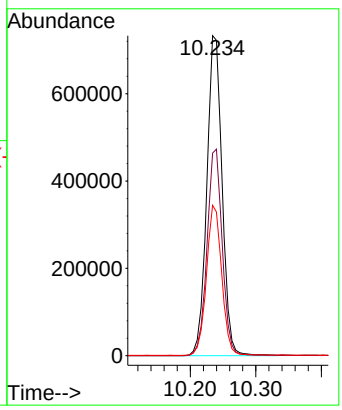




#29
2,4-Dichlorophenol
Concen: 51.545 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:162 Resp: 118925

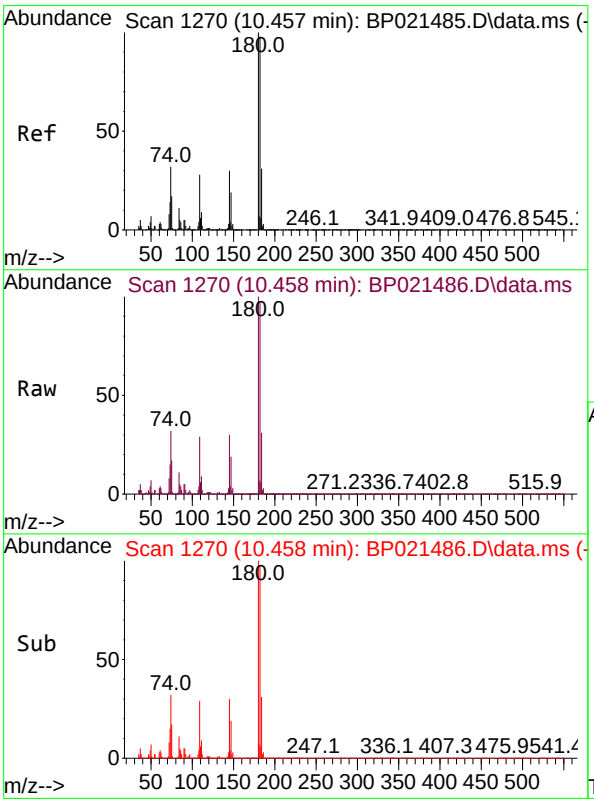
Ion	Ratio	Lower	Upper
162	100		
164	63.3	45.9	85.9
98	47.0	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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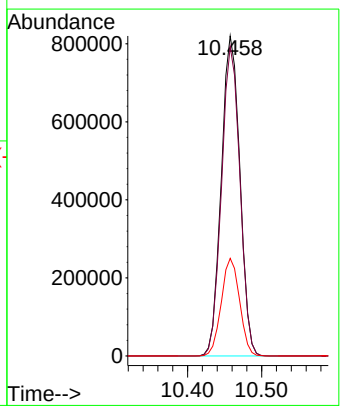
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

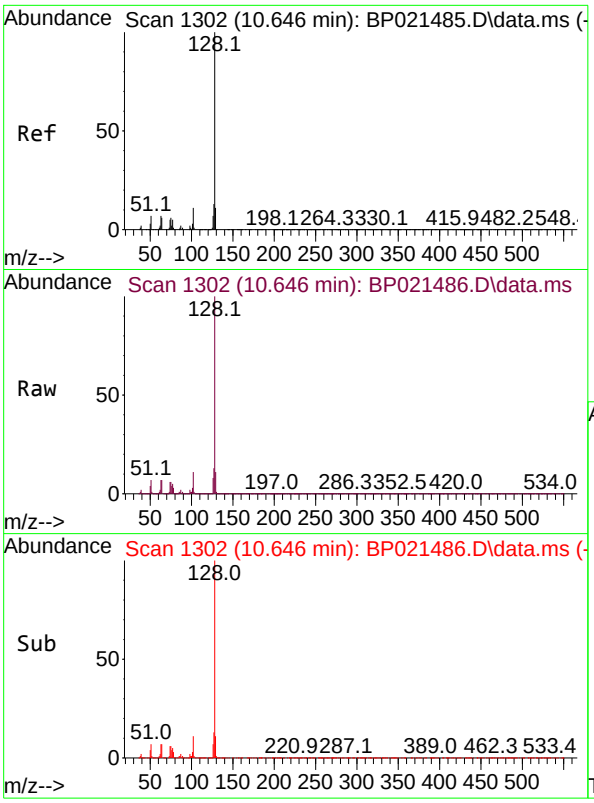


#30
1,2,4-Trichlorobenzene
Concen: 48.296 ng
RT: 10.458 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:180 Resp: 1428575

Ion	Ratio	Lower	Upper
180	100		
182	96.7	78.3	117.5
145	30.5	24.0	36.0





#31
Naphthalene
Concen: 47.949 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

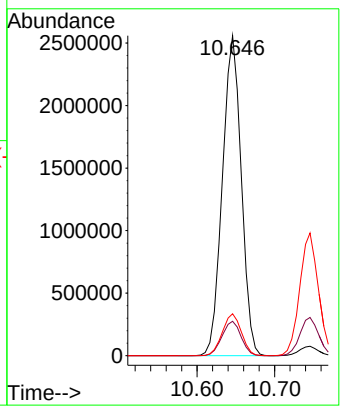
Tgt Ion:128 Resp: 433034

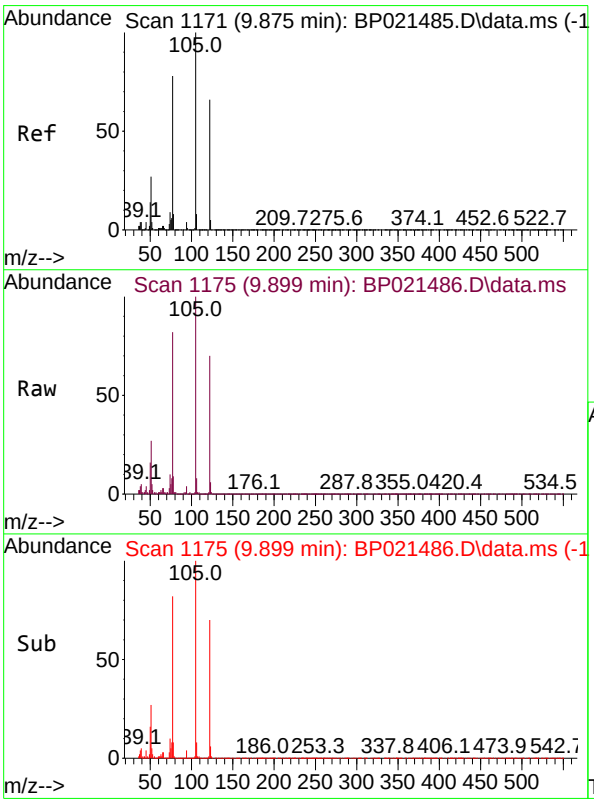
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.1	10.6	15.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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Supervised By :mohammad ahmed 08/14/2024

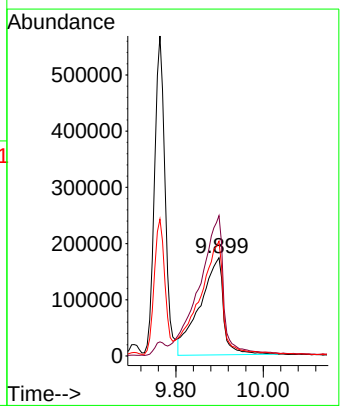


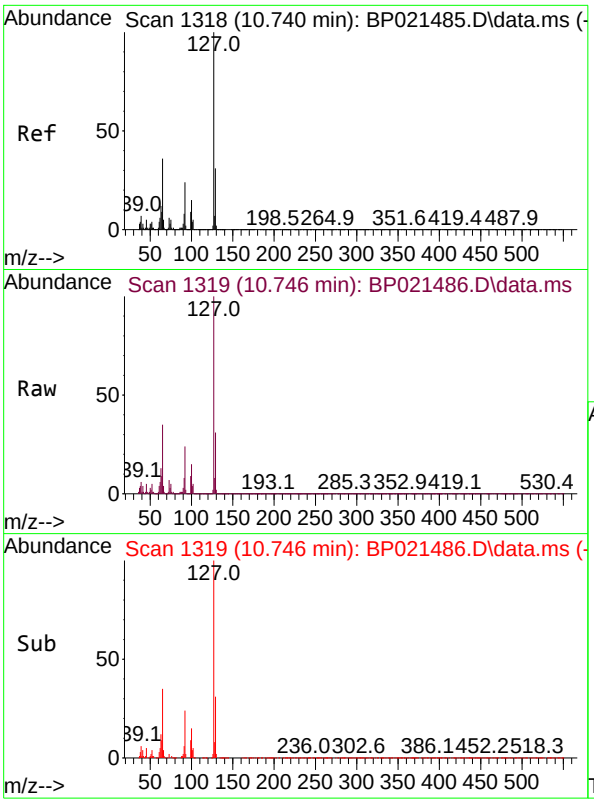


#32
Benzoic acid
Concen: 50.213 ng
RT: 9.899 min Scan# 1175
Delta R.T. 0.024 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:122 Resp: 652668

Ion	Ratio	Lower	Upper
122	100		
105	142.9	124.6	164.6
77	116.7	96.2	136.2

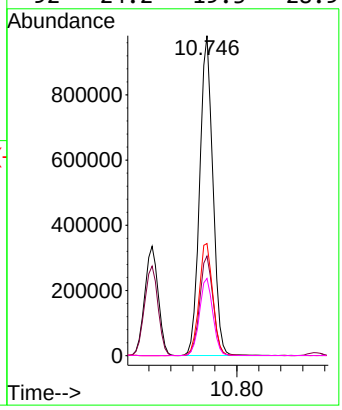




#33
4-Chloroaniline
Concen: 48.345 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:127 Resp: 164002

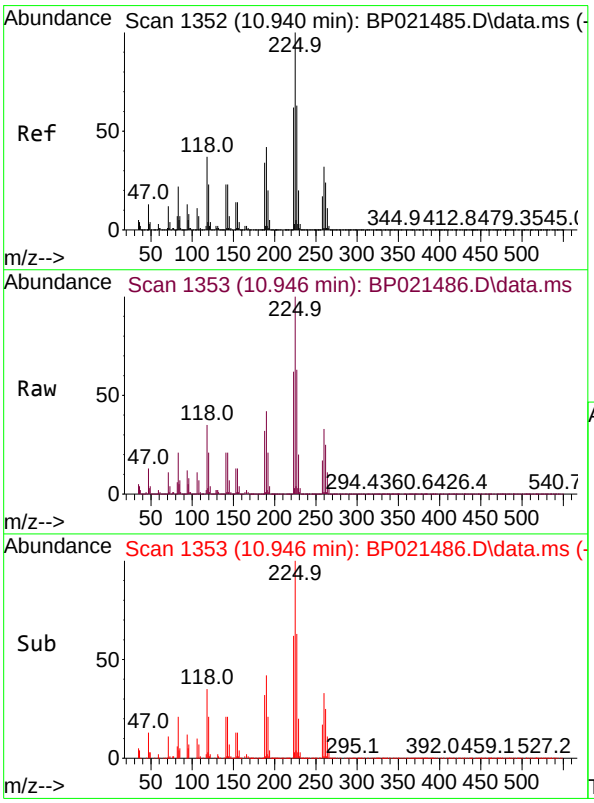
Ion	Ratio	Lower	Upper
127	100		
129	31.2	24.5	36.7
65	35.1	28.9	43.3
92	24.2	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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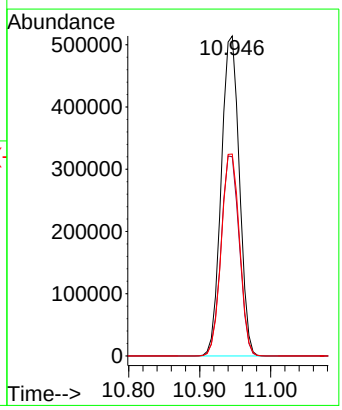
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

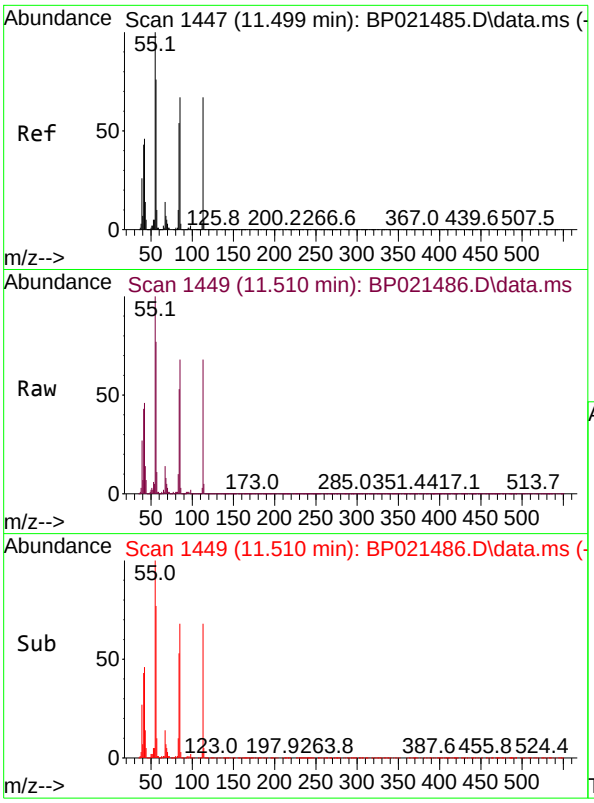


#34
Hexachlorobutadiene
Concen: 48.672 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:225 Resp: 906501

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.6	74.4
227	63.1	50.1	75.1





#35
Caprolactam
Concen: 48.850 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

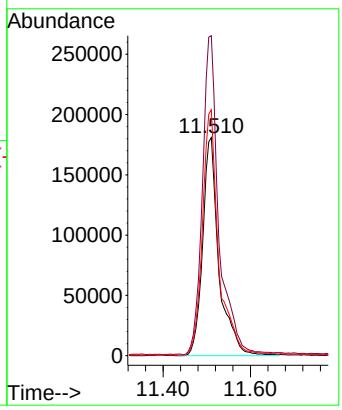
Tgt Ion:113 Resp: 46907

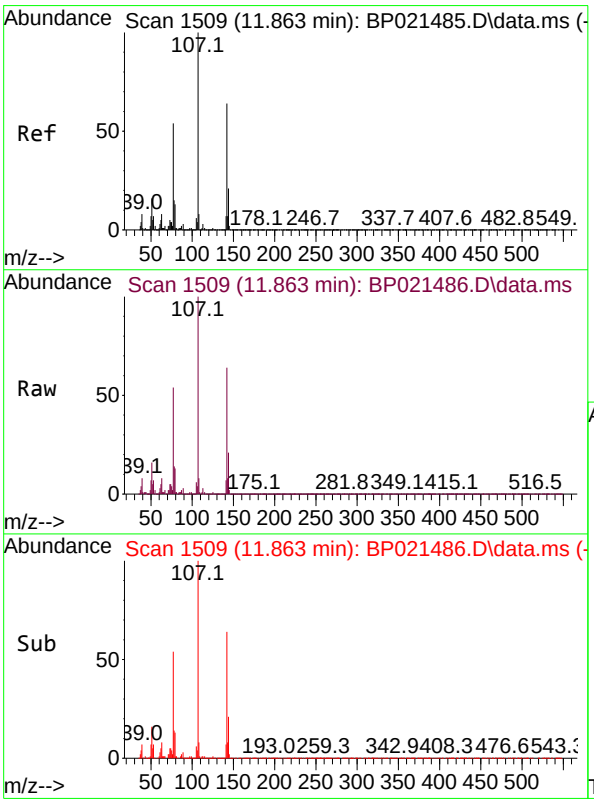
Ion	Ratio	Lower	Upper
113	100		
55	146.7	130.6	170.6
56	112.8	94.6	134.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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Supervised By :mohammad ahmed 08/14/2024

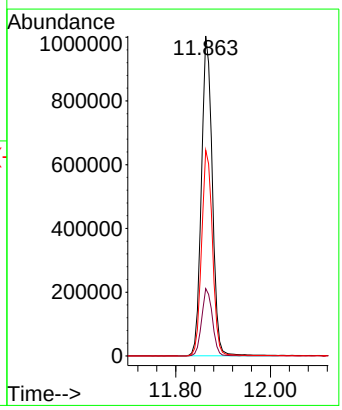


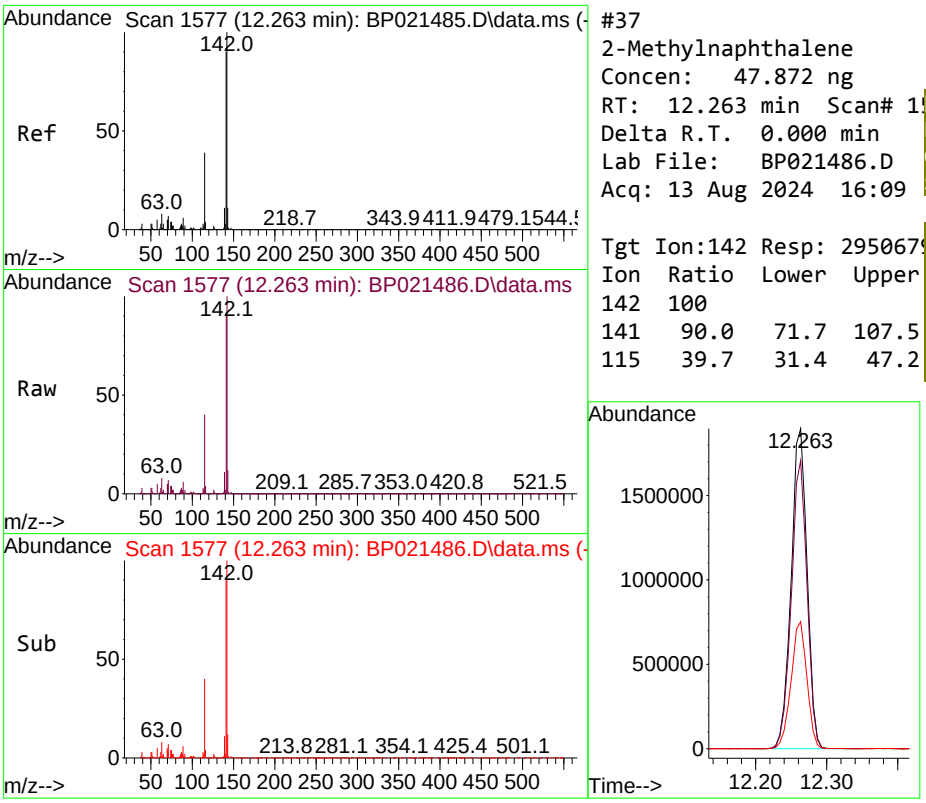


#36
4-Chloro-3-methylphenol
Concen: 50.008 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:107 Resp: 1600490

Ion	Ratio	Lower	Upper
107	100		
144	21.0	16.6	24.8
142	64.3	51.0	76.4





#37
2-Methylnaphthalene
Concen: 47.872 ng
RT: 12.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

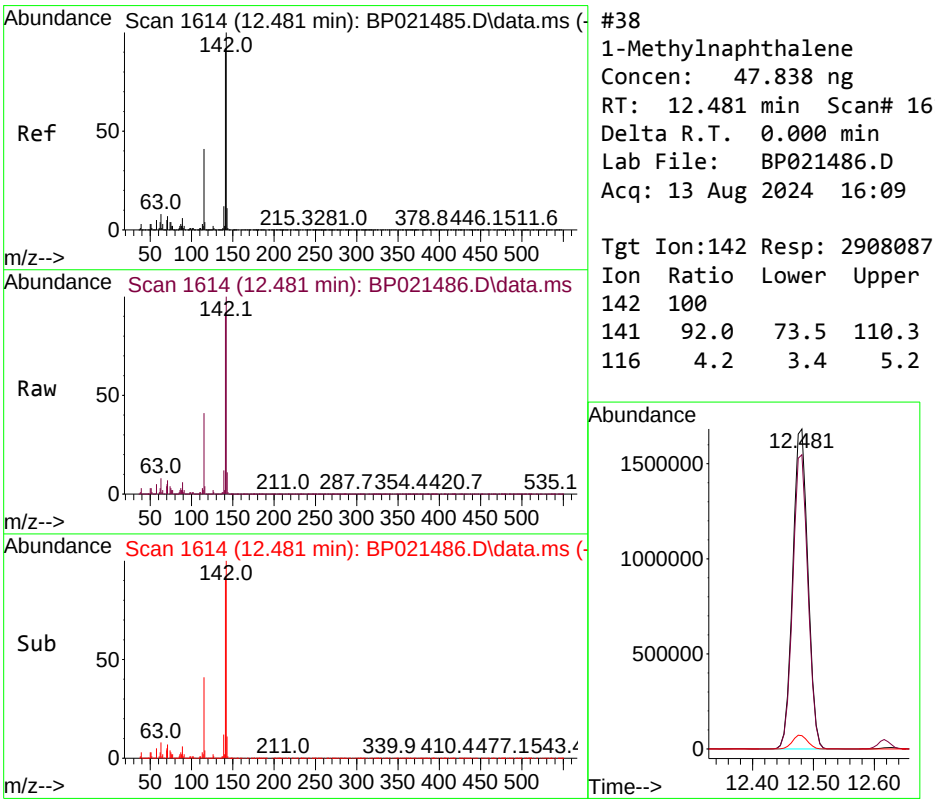
Tgt Ion:142 Resp: 295067

Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.7	107.5
115	39.7	31.4	47.2

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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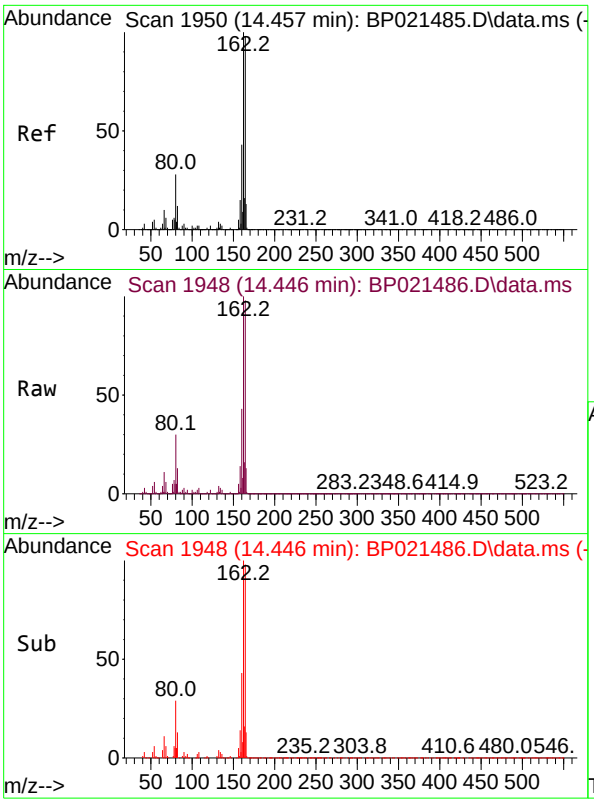
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#38
1-Methylnaphthalene
Concen: 47.838 ng
RT: 12.481 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:142 Resp: 2908087

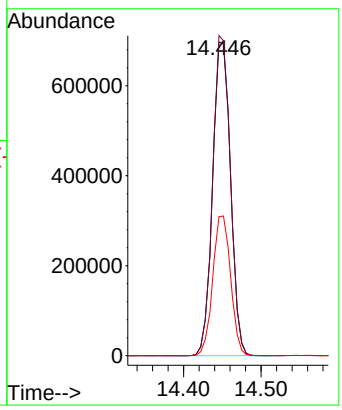
Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.5	110.3
116	4.2	3.4	5.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:164 Resp: 111920

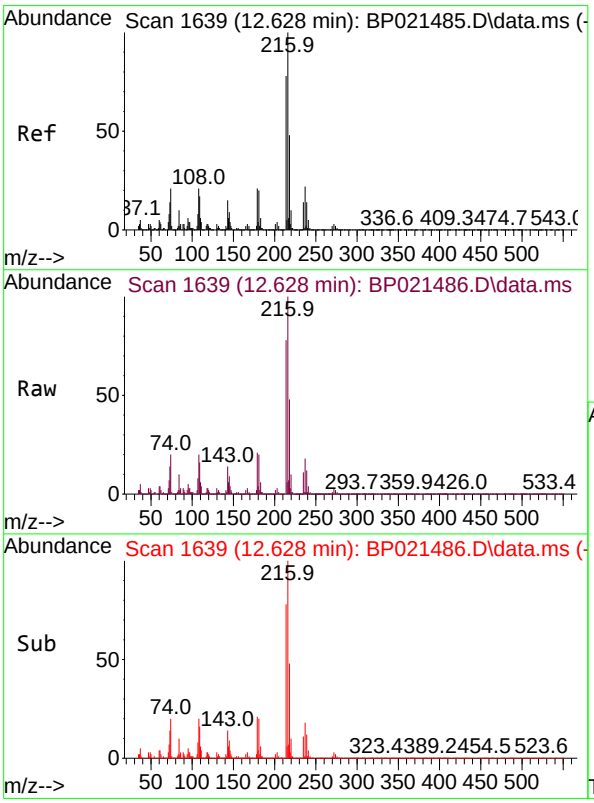
Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.5	122.3
160	44.3	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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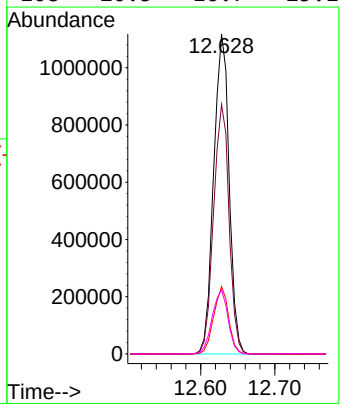
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

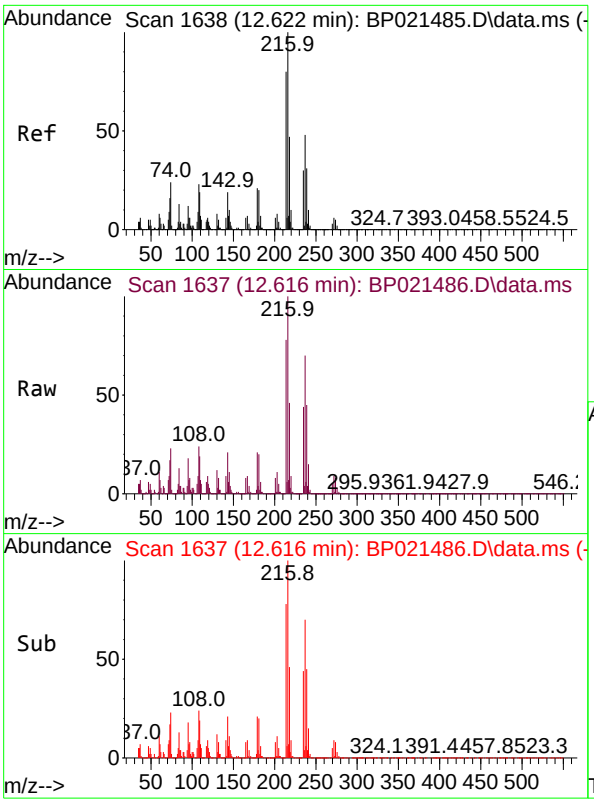


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.332 ng
RT: 12.628 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:216 Resp: 1617735

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.5	93.7
179	20.3	16.4	24.6
108	20.5	16.7	25.1





#41
Hexachlorocyclopentadiene
Concen: 52.560 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

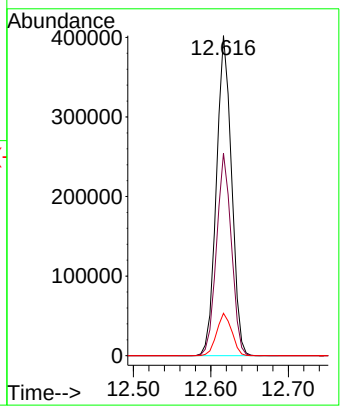
Tgt Ion:237 Resp: 54626

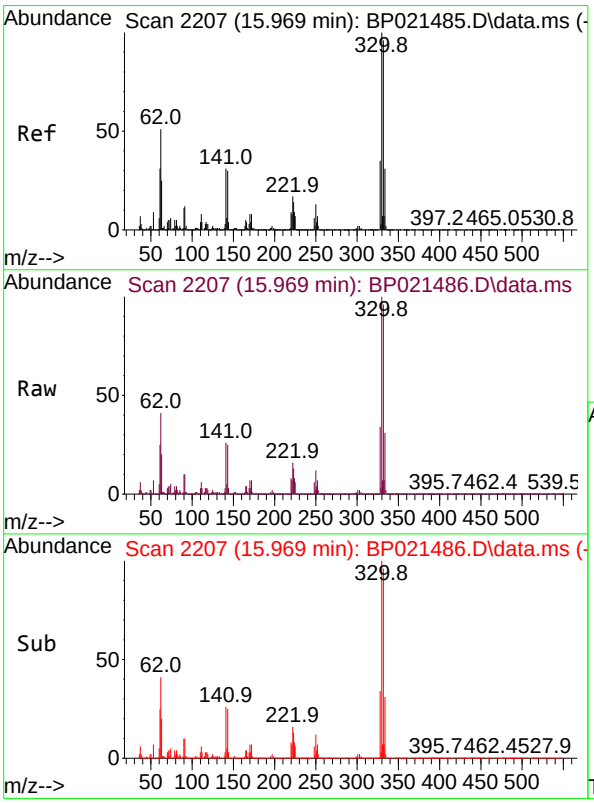
Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.9	83.9
272	13.2	0.0	33.3

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

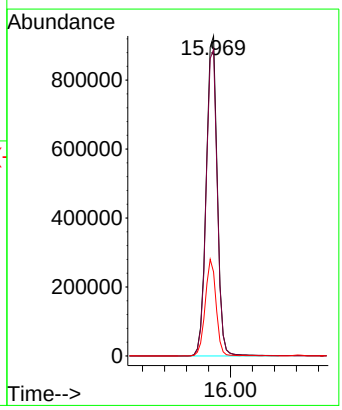


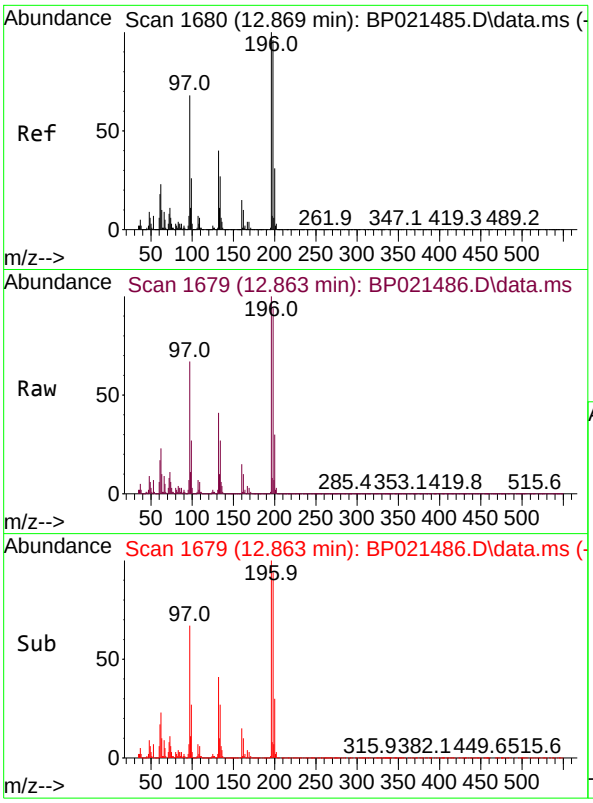


#42
2,4,6-Tribromophenol
Concen: 103.974 ng
RT: 15.969 min Scan# 2207
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:330 Resp: 1295133

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	29.8	24.5	36.7

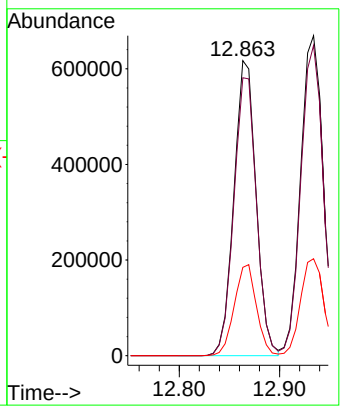




#43
2,4,6-Trichlorophenol
Concen: 52.124 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:196 Resp: 94948

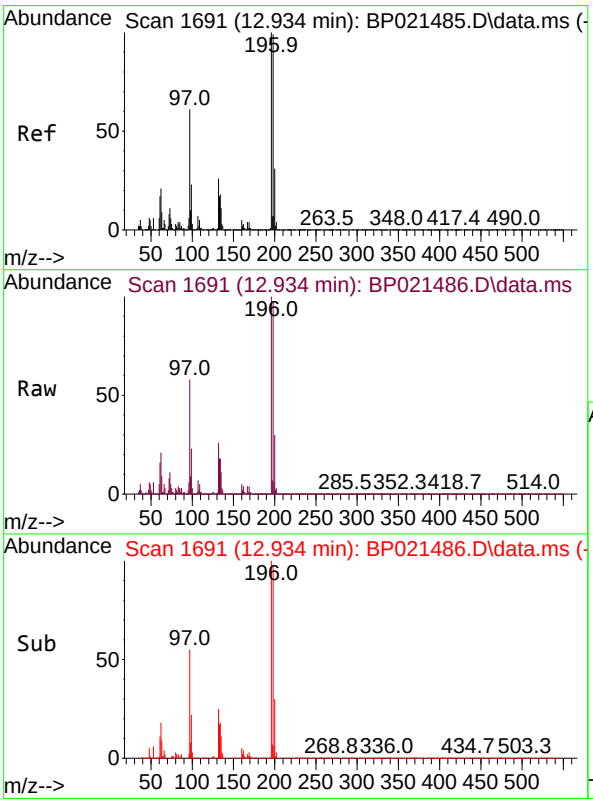
Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.6	114.8
200	30.0	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

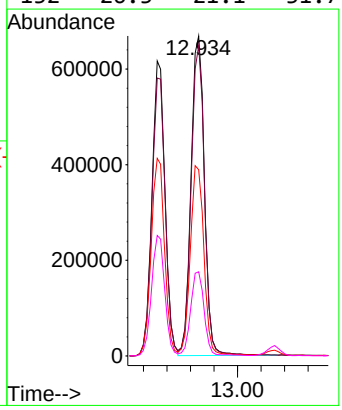
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

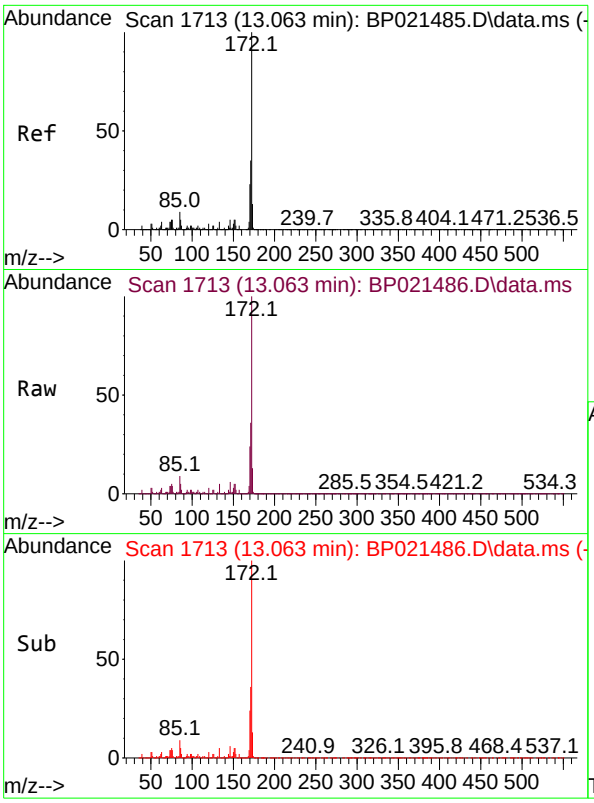


#44
2,4,5-Trichlorophenol
Concen: 52.191 ng
RT: 12.934 min Scan# 1691
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:196 Resp: 1056277

Ion	Ratio	Lower	Upper
196	100		
198	97.0	78.9	118.3
97	58.2	49.4	74.0
132	26.3	21.1	31.7

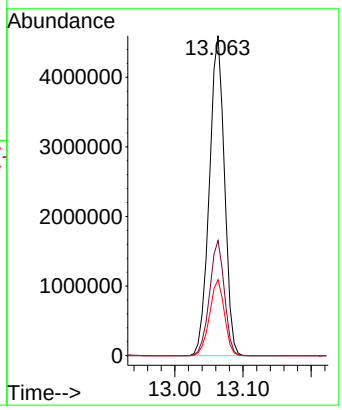




#45
2-Fluorobiphenyl
Concen: 96.455 ng
RT: 13.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:172 Resp: 707351

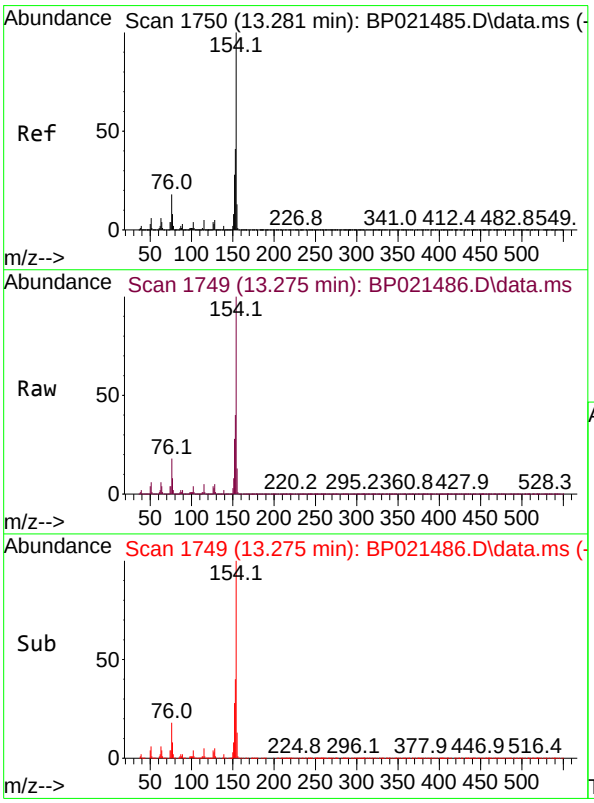
Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.2	42.4
170	23.8	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

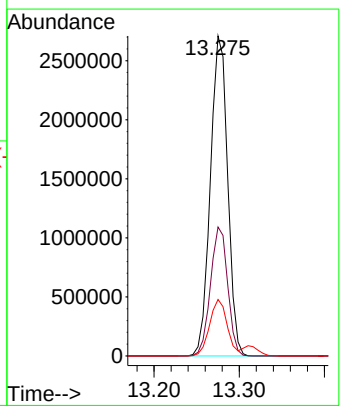
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

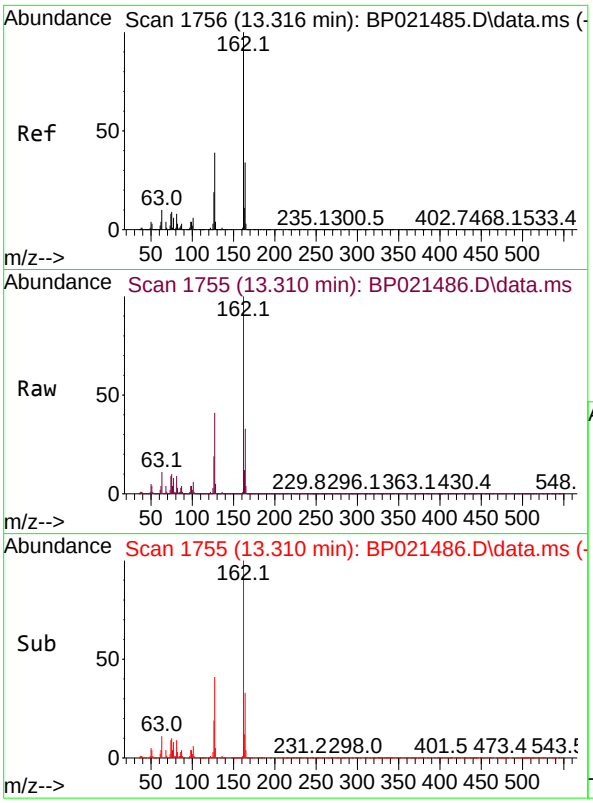


#46
1,1'-Biphenyl
Concen: 48.139 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:154 Resp: 3811862

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	17.6	0.0	37.7

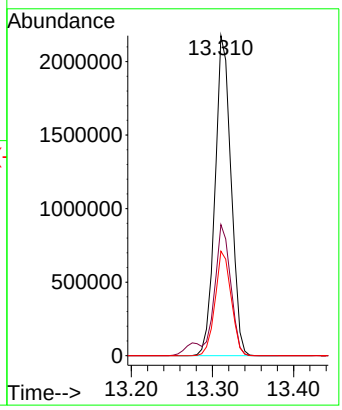




#47
2-Chloronaphthalene
Concen: 48.332 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:162 Resp: 297955

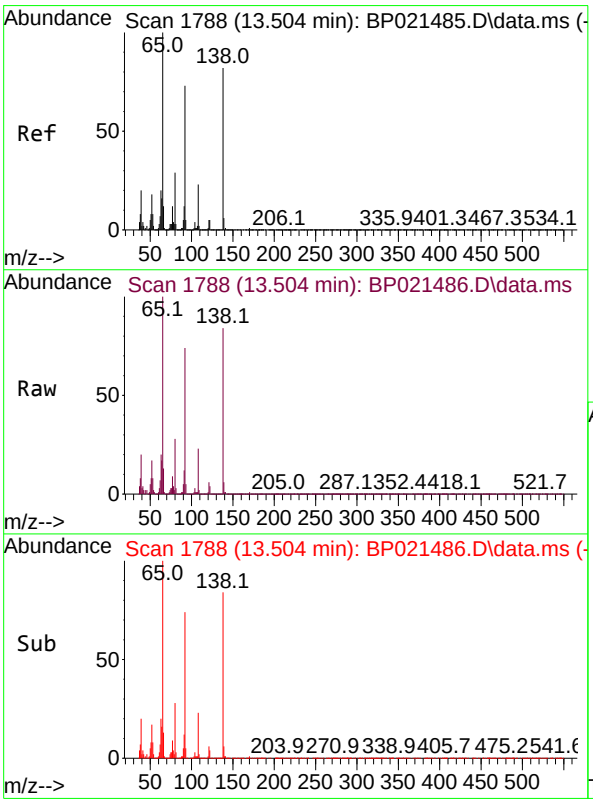
Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.9	47.9
164	32.7	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

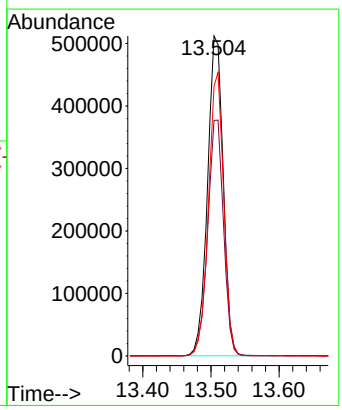
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

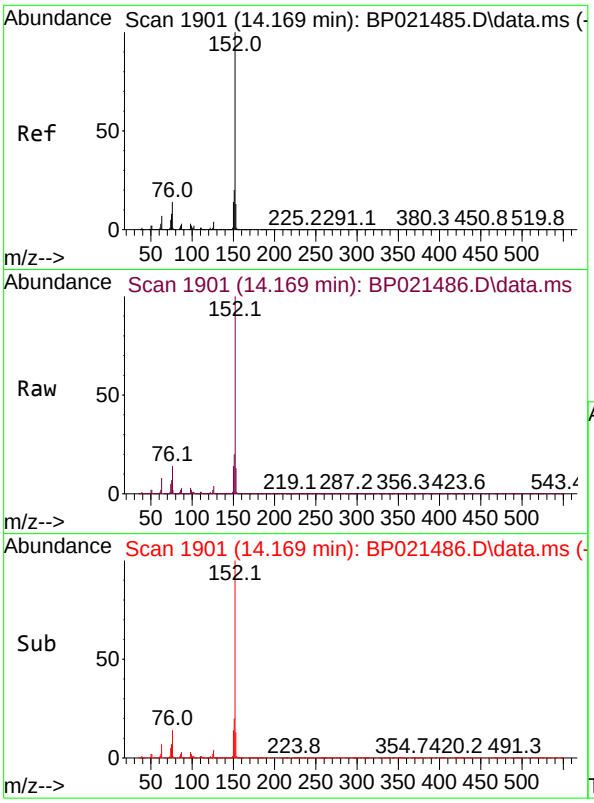


#48
2-Nitroaniline
Concen: 47.603 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 65 Resp: 821676

Ion	Ratio	Lower	Upper
65	100		
92	73.6	58.1	87.1
138	84.3	65.5	98.3

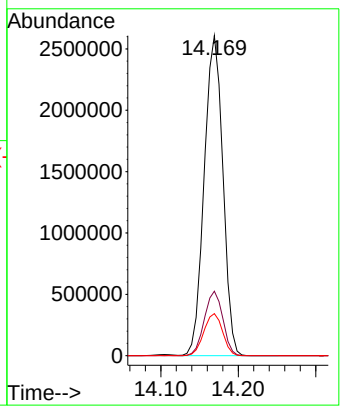




#49
Acenaphthylene
Concen: 48.190 ng
RT: 14.169 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:152 Resp: 436722

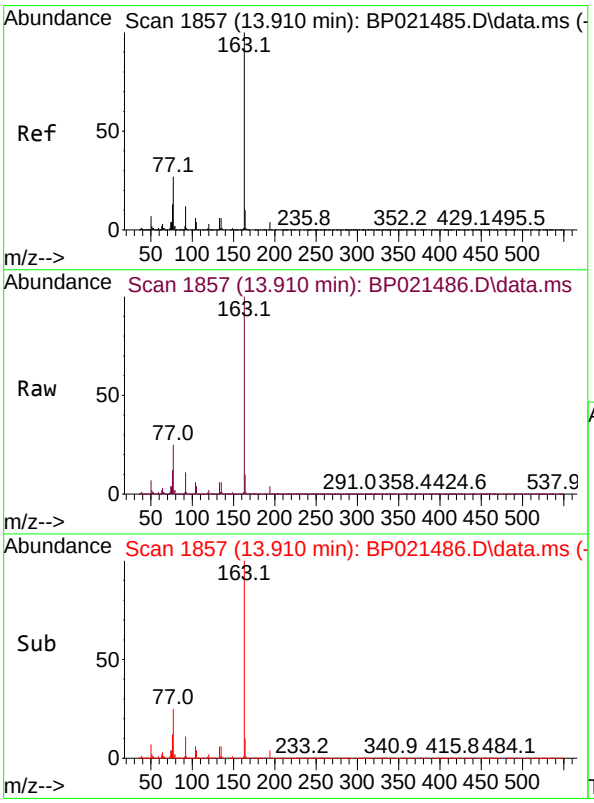
Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.2	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

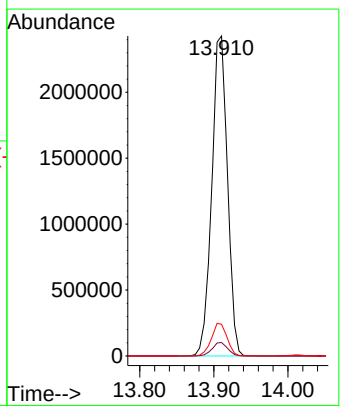
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

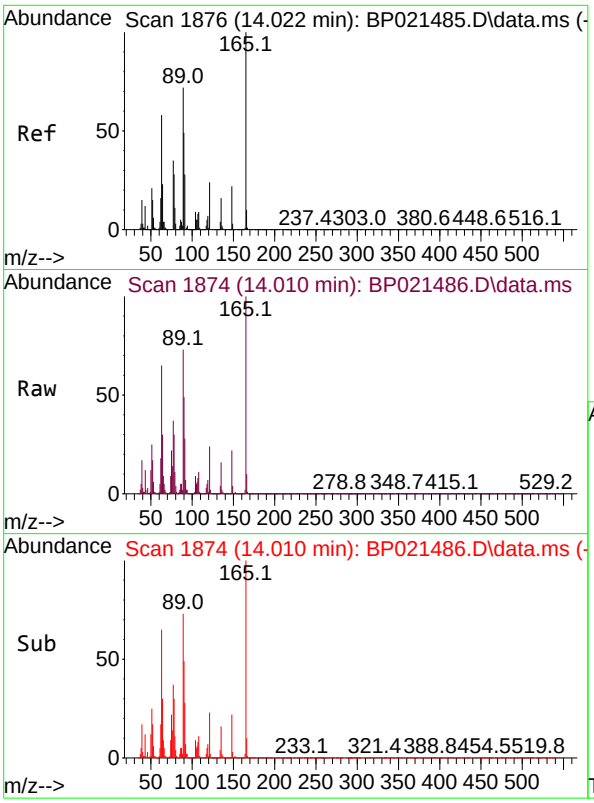


#50
Dimethylphthalate
Concen: 47.620 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:163 Resp: 3569162

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	9.9	8.3	12.5

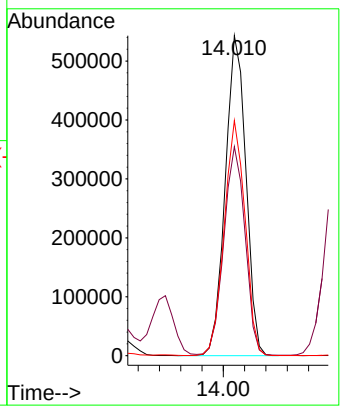




#51
2,6-Dinitrotoluene
Concen: 48.330 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:165 Resp: 73126

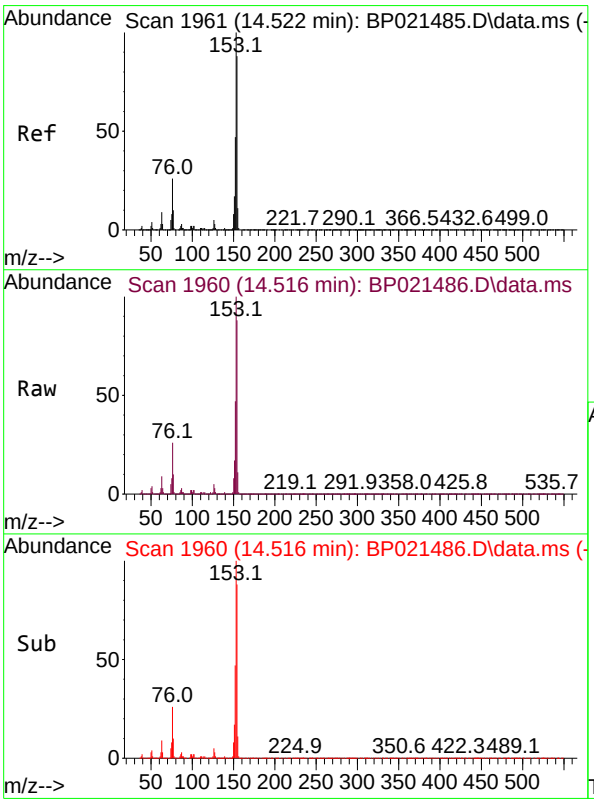
Ion	Ratio	Lower	Upper
165	100		
63	65.3	51.5	77.3
89	73.4	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

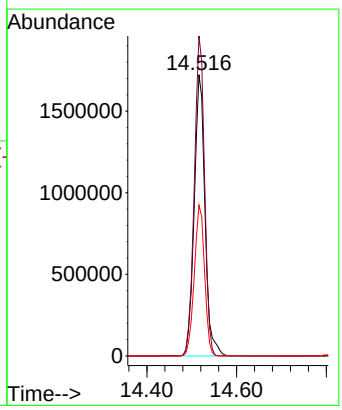
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

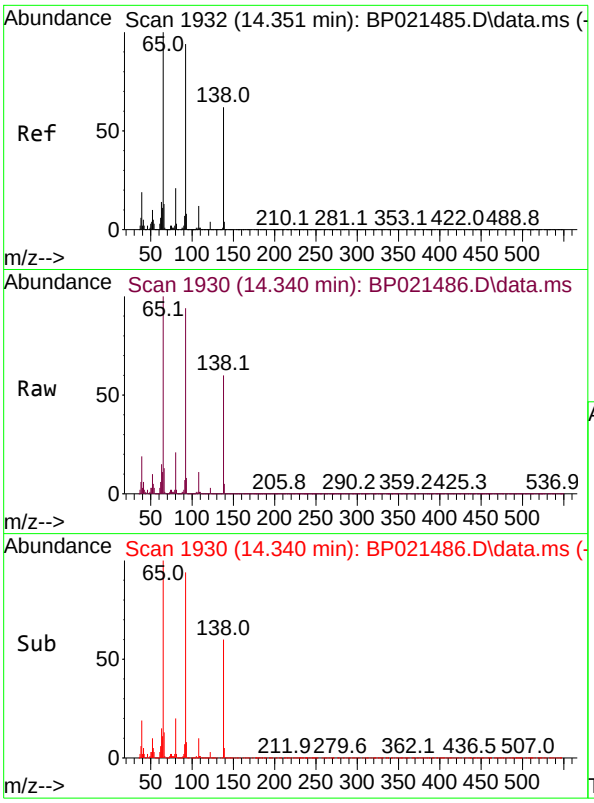


#52
Acenaphthene
Concen: 48.126 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:154 Resp: 2861701

Ion	Ratio	Lower	Upper
154	100		
153	113.8	91.1	136.7
152	53.6	43.0	64.4

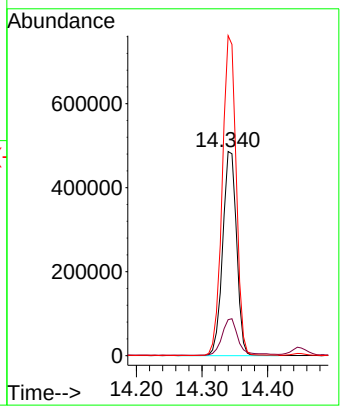




#53
3-Nitroaniline
Concen: 47.788 ng
RT: 14.340 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:138 Resp: 71010

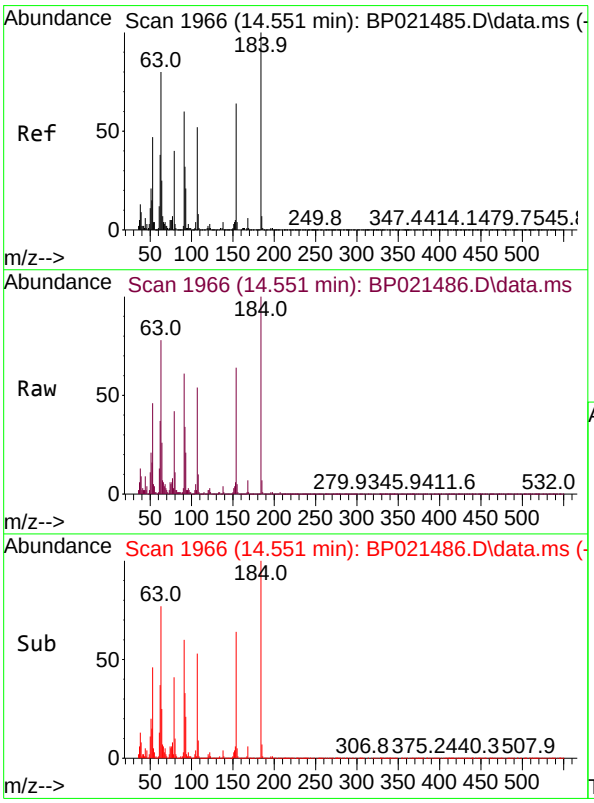
Ion	Ratio	Lower	Upper
138	100		
108	17.7	16.2	24.4
92	156.7	122.2	183.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

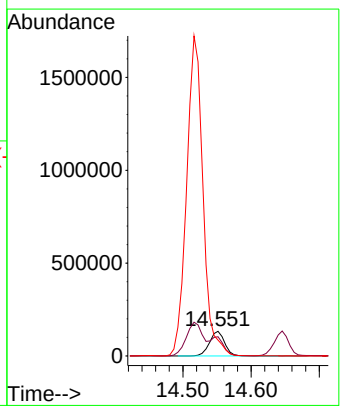
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

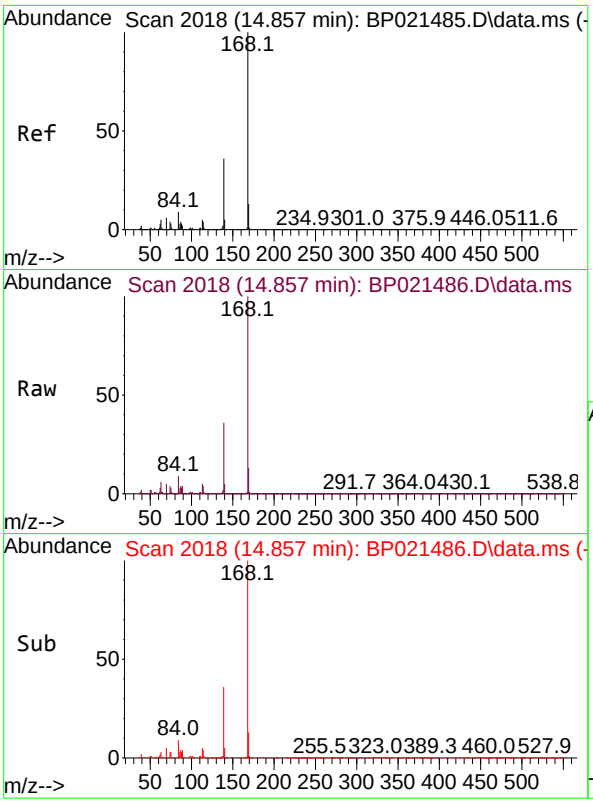


#54
2,4-Dinitrophenol
Concen: 49.369 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:184 Resp: 205628

Ion	Ratio	Lower	Upper
184	100		
63	77.6	64.9	97.3
154	64.3	52.1	78.1

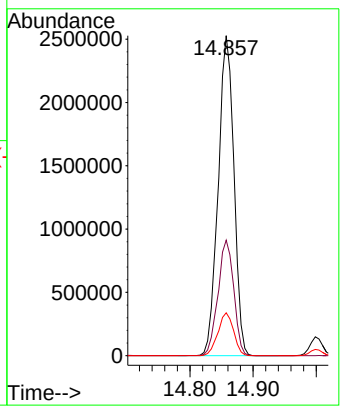




#55
Dibenzofuran
Concen: 47.811 ng
RT: 14.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:168 Resp: 437340

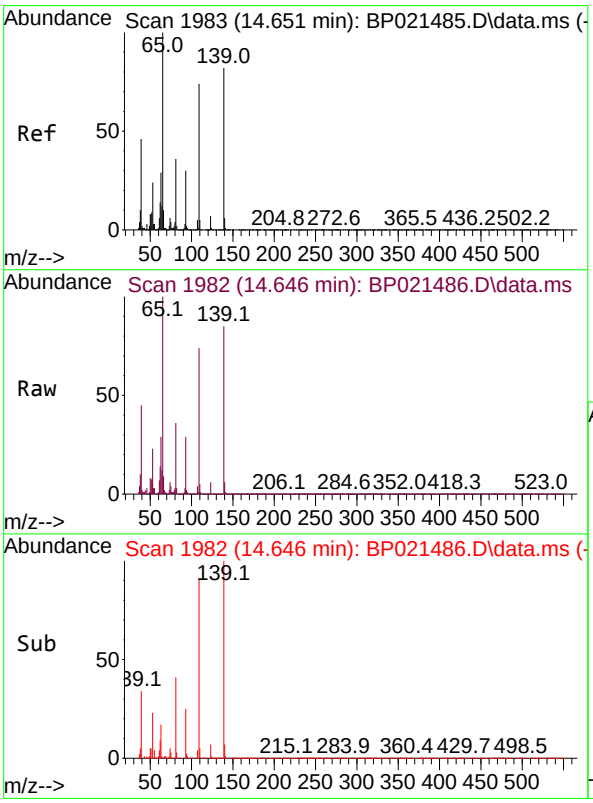
Ion	Ratio	Lower	Upper
168	100		
139	36.1	28.6	43.0
169	13.4	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

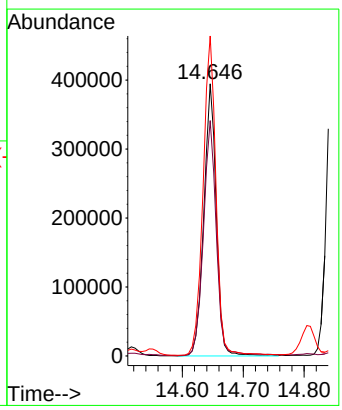
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

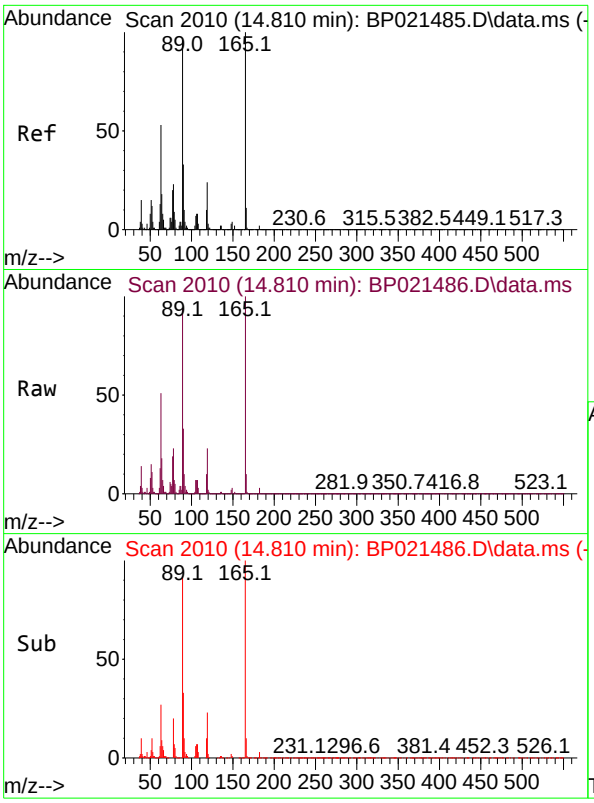


#56
4-Nitrophenol
Concen: 47.429 ng
RT: 14.646 min Scan# 1982
Delta R.T. -0.005 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:139 Resp: 562138

Ion	Ratio	Lower	Upper
139	100		
109	86.5	70.2	110.2
65	117.6	101.8	141.8

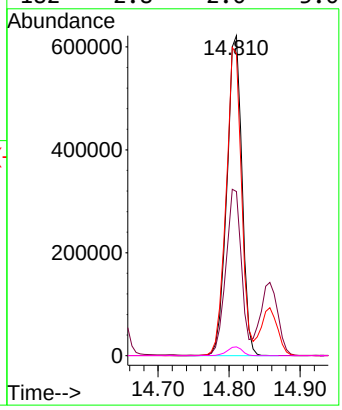




#57
2,4-Dinitrotoluene
Concen: 47.777 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:165 Resp: 91837

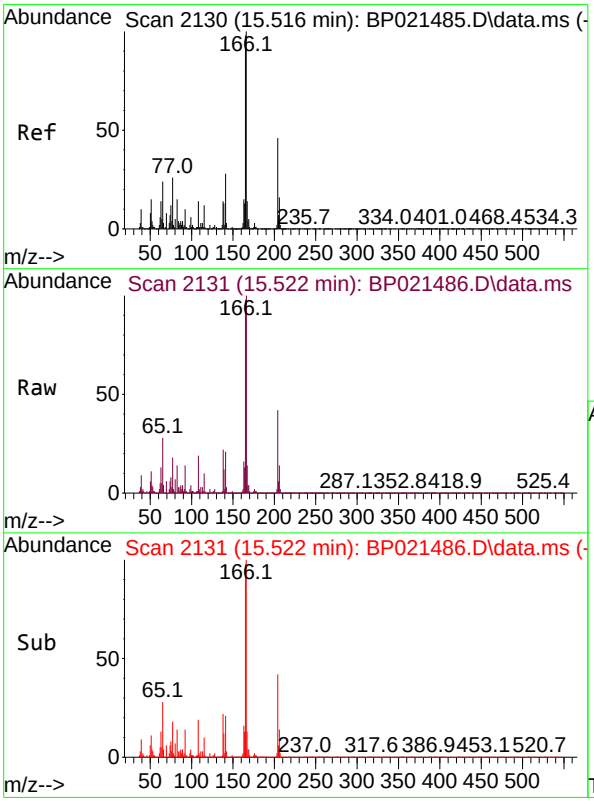
Ion	Ratio	Lower	Upper
165	100		
63	51.3	42.5	63.7
89	94.4	77.1	115.7
182	2.8	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

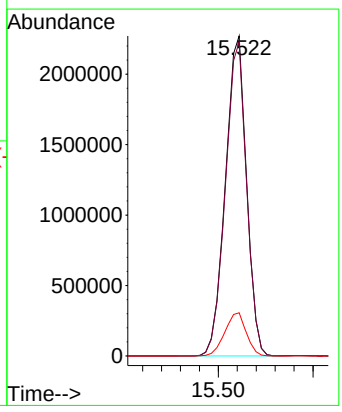
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

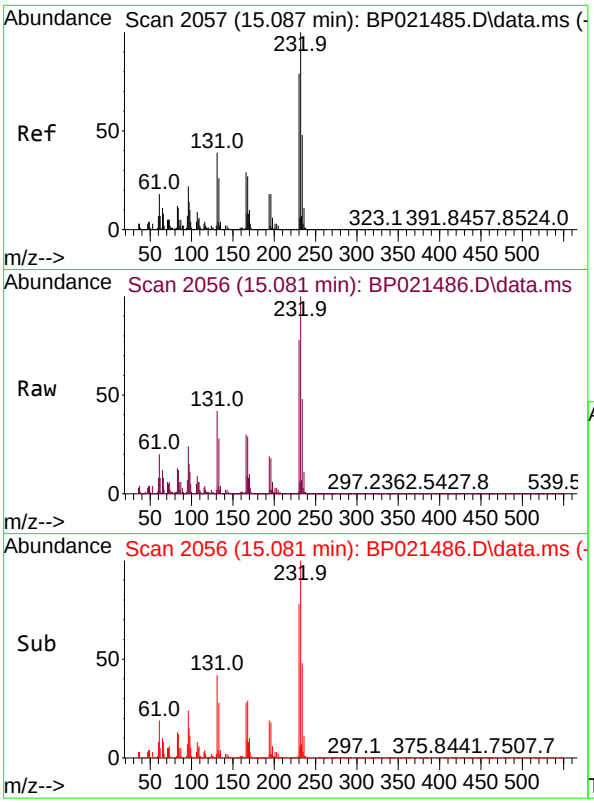


#58
Fluorene
Concen: 46.908 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:166 Resp: 3525015

Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.1	117.1
167	13.5	11.0	16.4

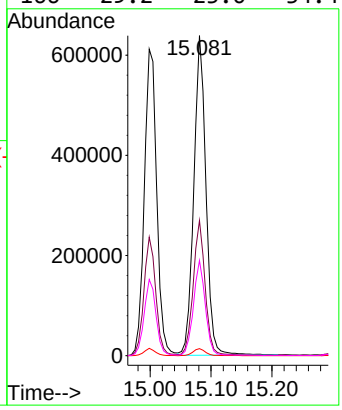




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.558 ng
RT: 15.081 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:232 Resp: 88568

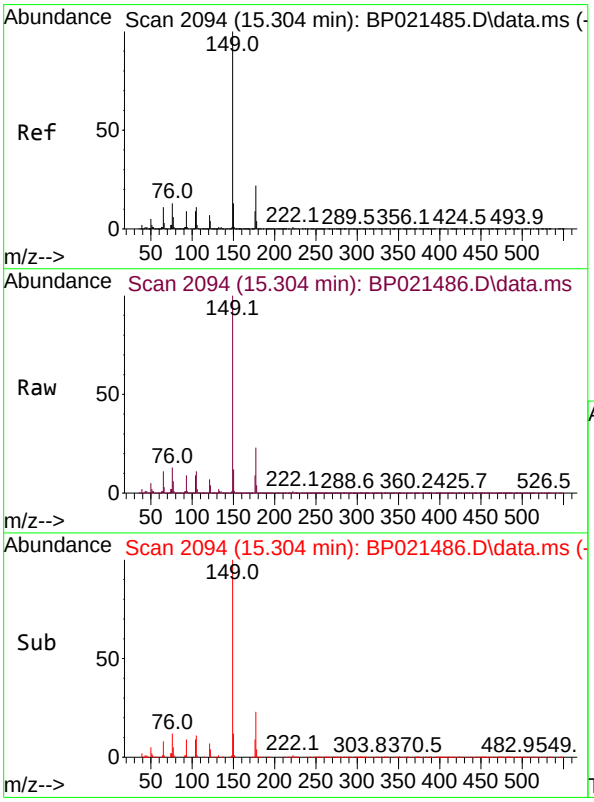
Ion	Ratio	Lower	Upper
232	100		
131	41.1	33.1	49.7
130	2.3	1.7	2.5
166	29.2	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

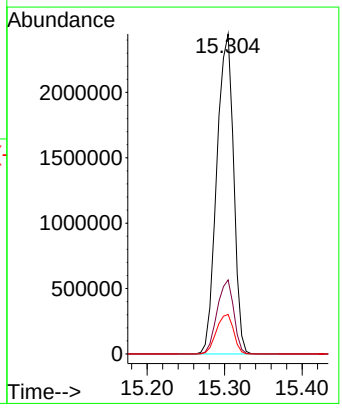
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

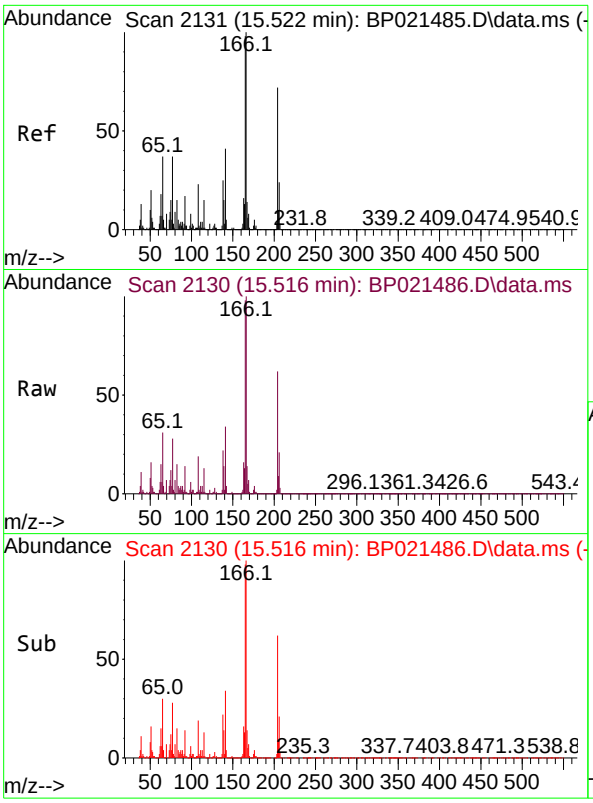


#60
Diethylphthalate
Concen: 47.945 ng
RT: 15.304 min Scan# 2094
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 3687157

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.8	26.8
150	12.4	10.1	15.1

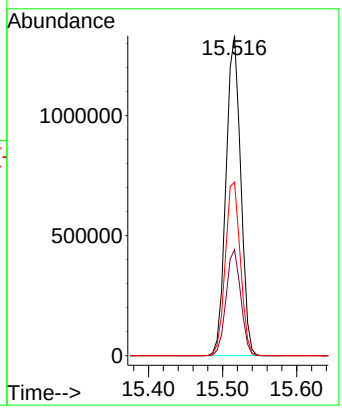




#61
4-Chlorophenyl-phenylether
Concen: 47.272 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

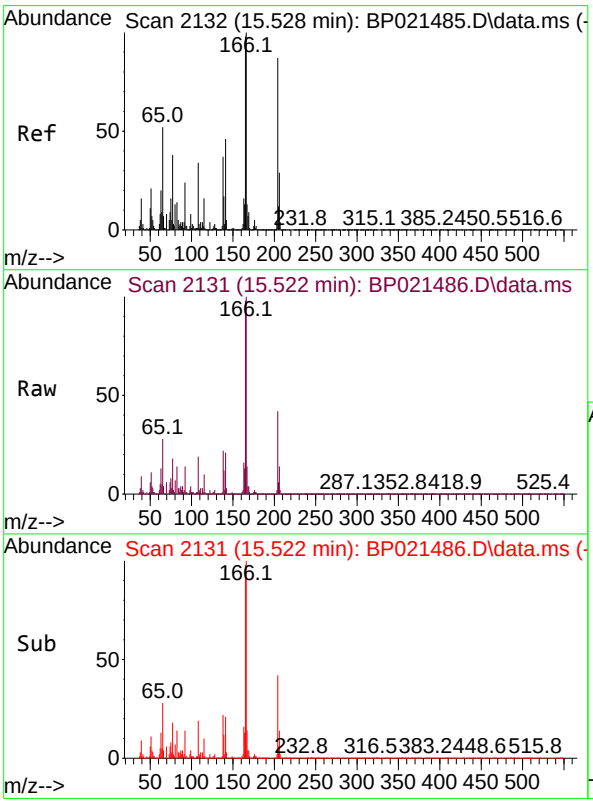
Tgt Ion:204 Resp: 183623

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	54.3	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

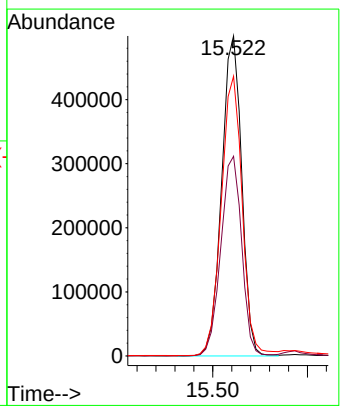
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

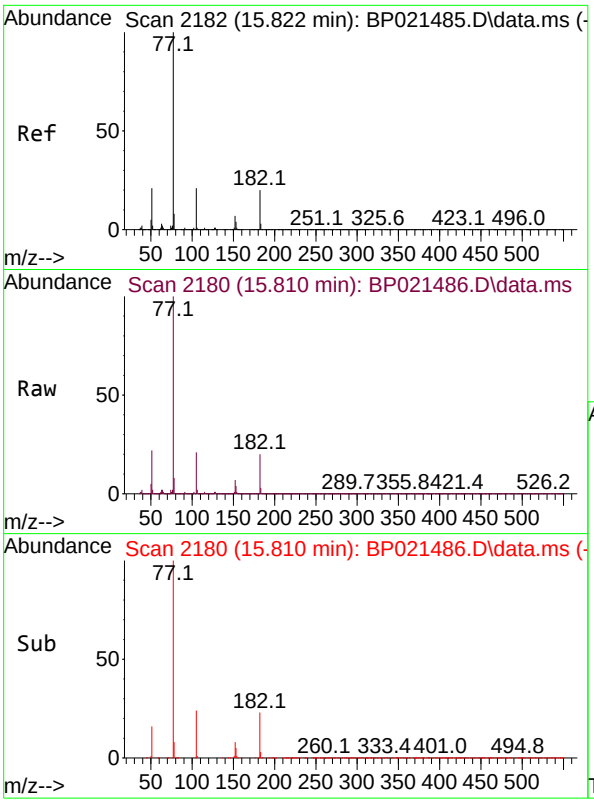


#62
4-Nitroaniline
Concen: 47.987 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:138 Resp: 733231

Ion	Ratio	Lower	Upper
138	100		
92	62.4	46.4	86.4
108	87.4	73.2	113.2

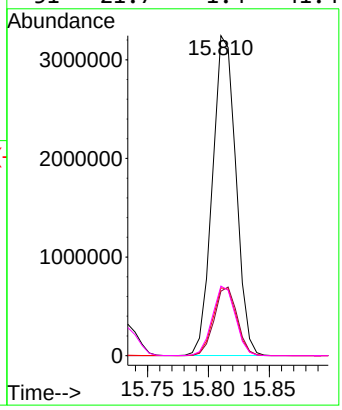




#63
Azobenzene
Concen: 46.014 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion: 77 Resp: 434986

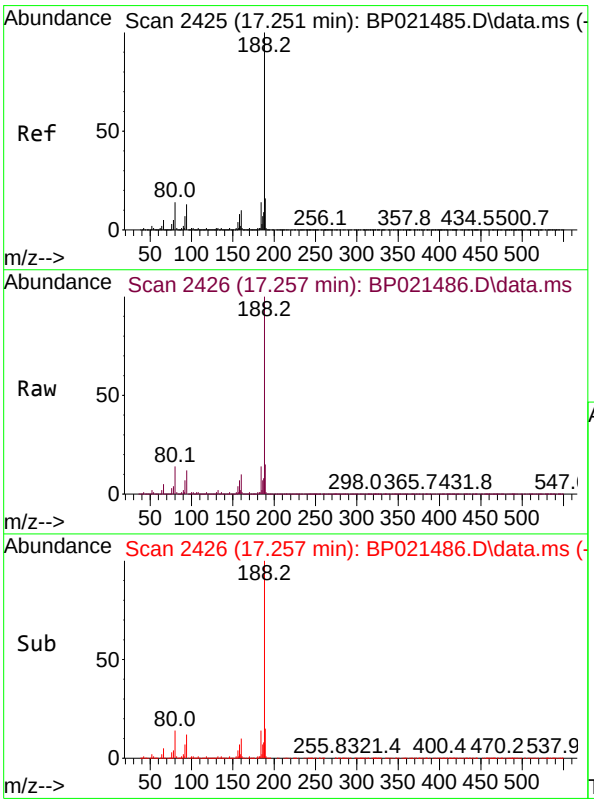
Ion	Ratio	Lower	Upper
77	100		
182	20.1	0.0	39.9
105	21.2	0.9	40.9
51	21.7	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

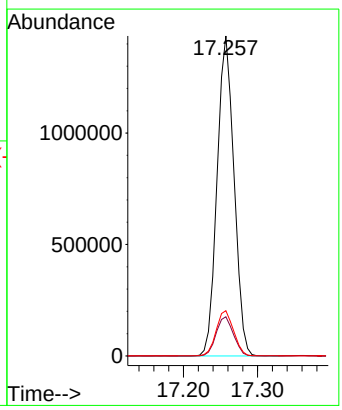
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

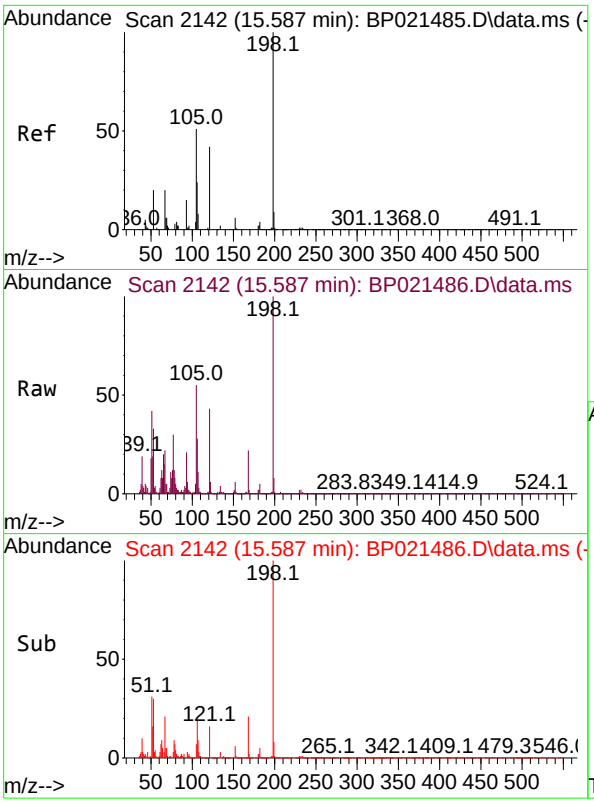


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:188 Resp: 2278560

Ion	Ratio	Lower	Upper
188	100		
94	12.2	10.2	15.4
80	14.1	11.6	17.4

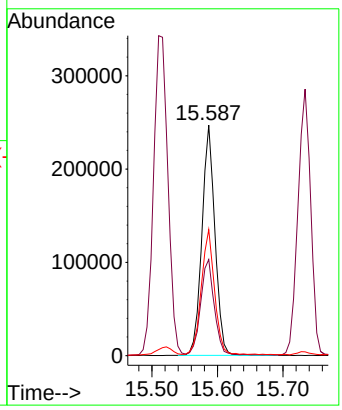




#65
4,6-Dinitro-2-methylphenol
Concen: 49.749 ng
RT: 15.587 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:198 Resp: 34205

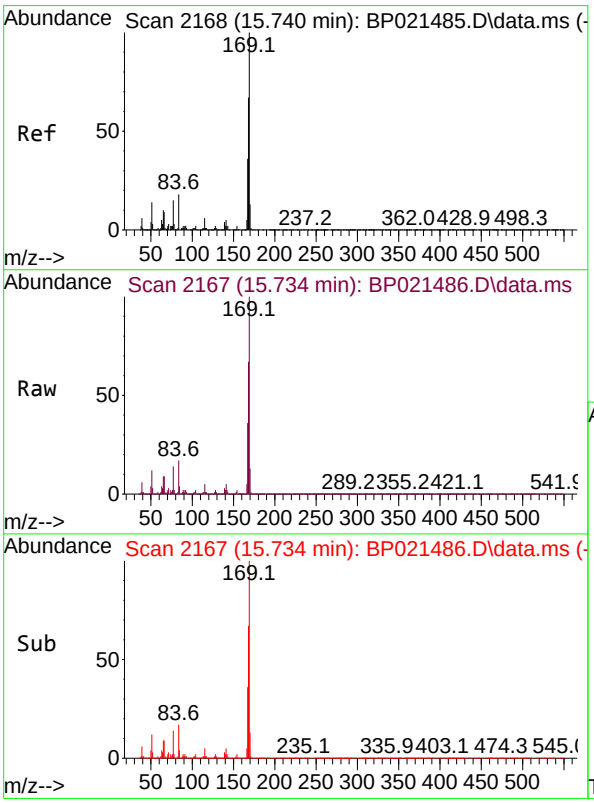
Ion	Ratio	Lower	Upper
198	100		
51	41.7	21.5	61.5
105	54.7	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

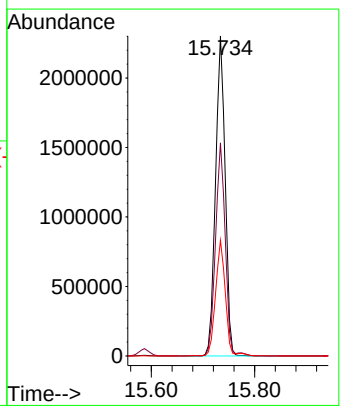
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

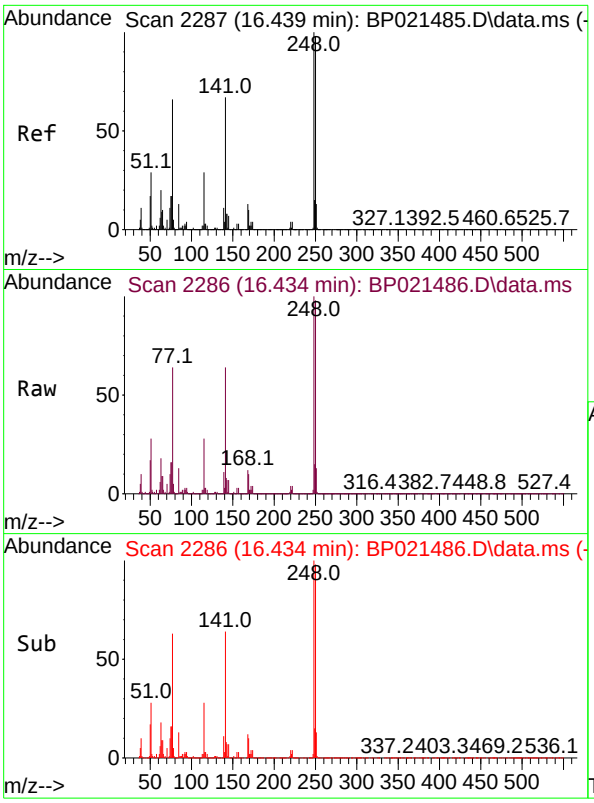


#66
n-Nitrosodiphenylamine
Concen: 48.807 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:169 Resp: 2980276

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.4	80.2
167	36.1	28.7	43.1

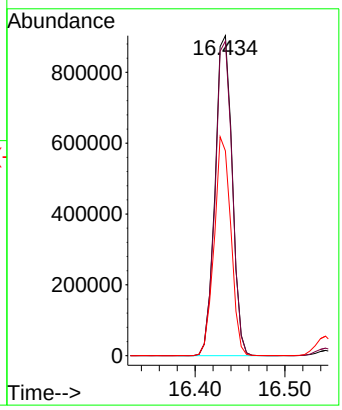




#67
4-Bromophenyl-phenylether
Concen: 49.707 ng
RT: 16.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:248 Resp: 119868

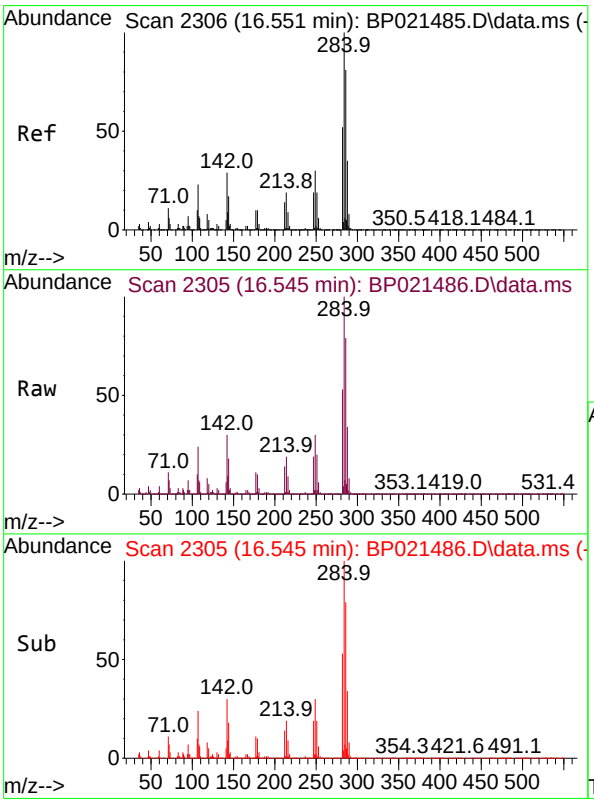
Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.6	117.8
141	64.0	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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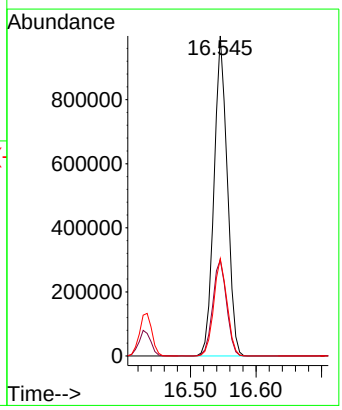
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

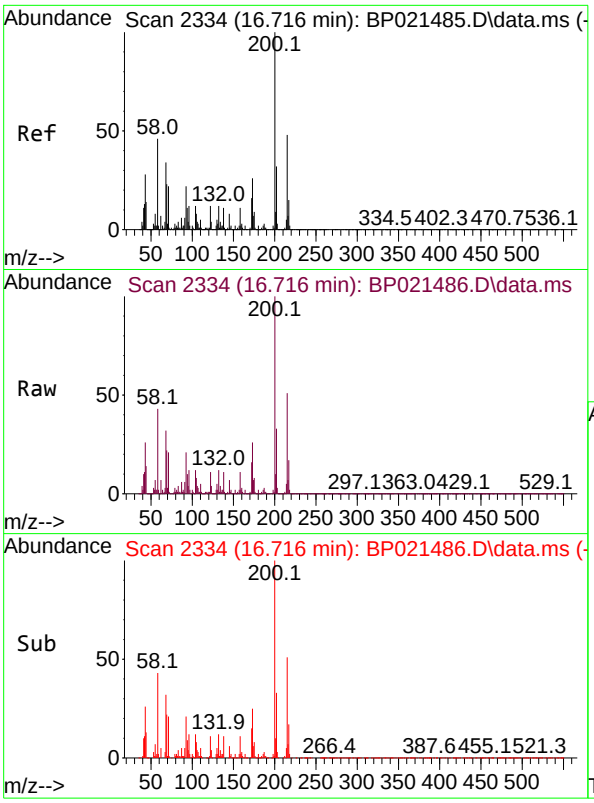


#68
Hexachlorobenzene
Concen: 48.961 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:284 Resp: 1395323

Ion	Ratio	Lower	Upper
284	100		
142	30.0	23.4	35.2
249	30.4	24.1	36.1

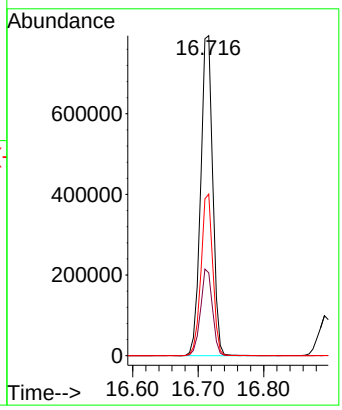




#69
Atrazine
Concen: 48.608 ng
RT: 16.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:200 Resp: 101905

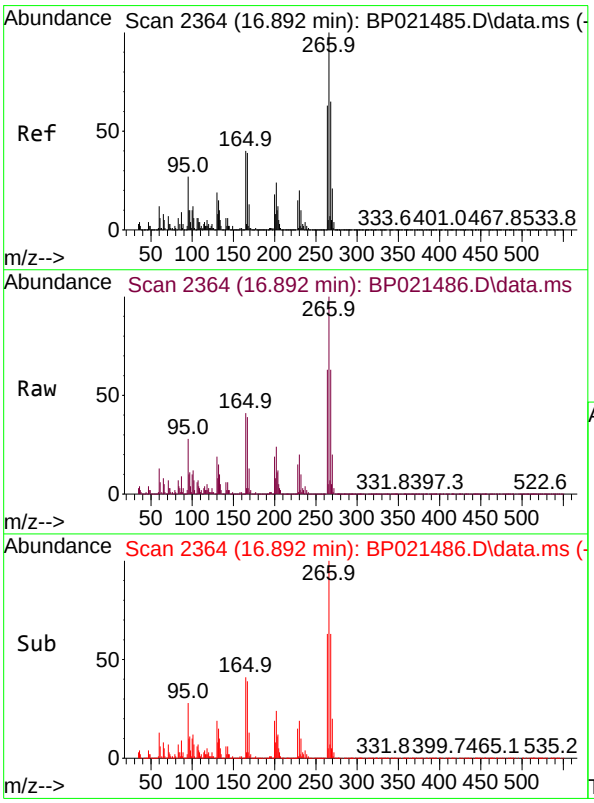
Ion	Ratio	Lower	Upper
200	100		
173	25.9	6.2	46.2
215	50.5	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

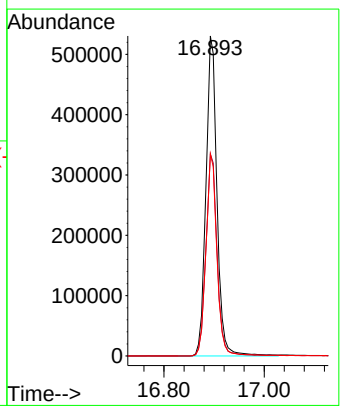
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

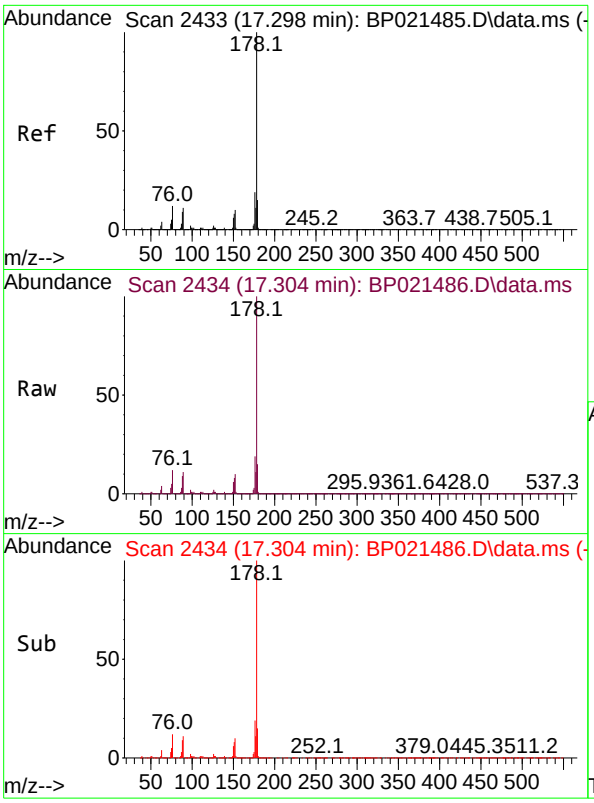


#70
Pentachlorophenol
Concen: 52.206 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:266 Resp: 812046

Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.8	77.6
264	63.1	50.5	75.7

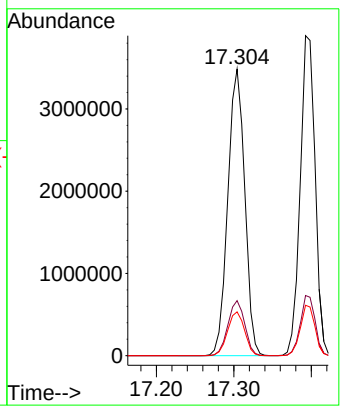




#71
Phenanthrene
Concen: 48.447 ng
RT: 17.304 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:178 Resp: 530889

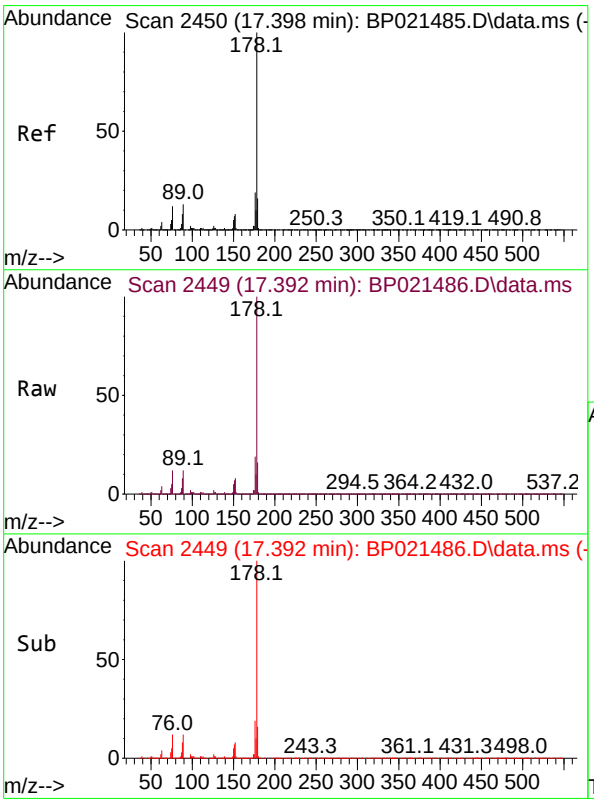
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.3	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

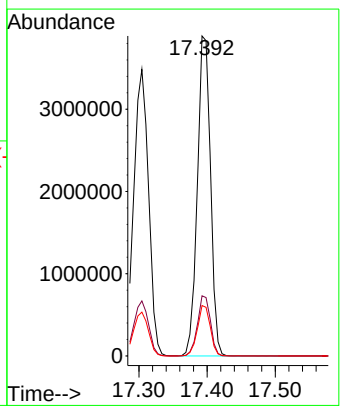
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

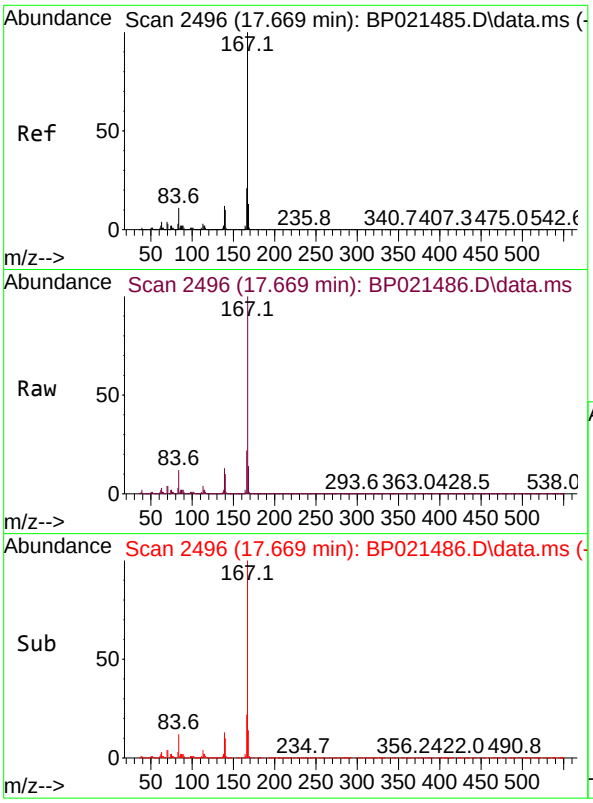


#72
Anthracene
Concen: 48.503 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:178 Resp: 5212543

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.8	12.5	18.7

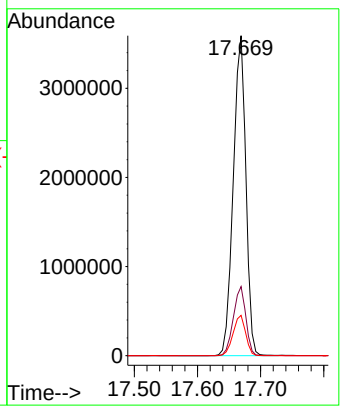




#73
Carbazole
Concen: 48.027 ng
RT: 17.669 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:167 Resp: 497416

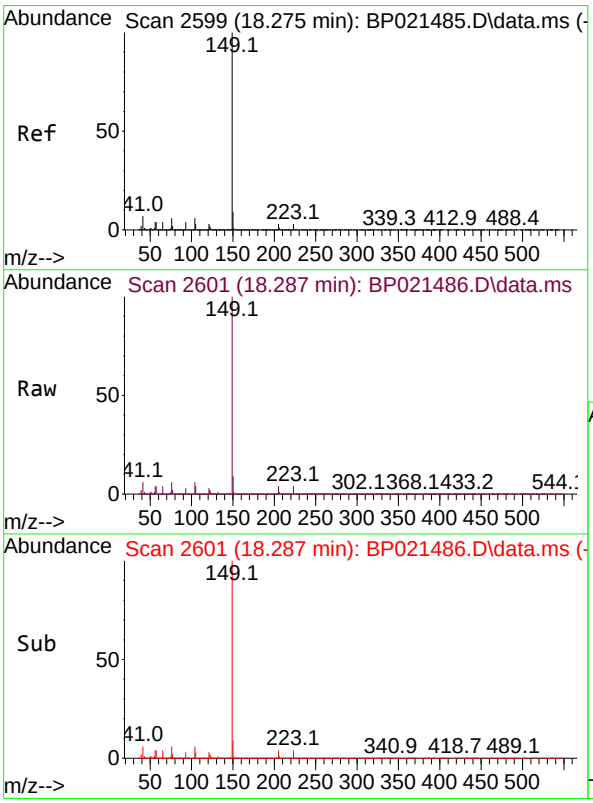
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	12.6	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

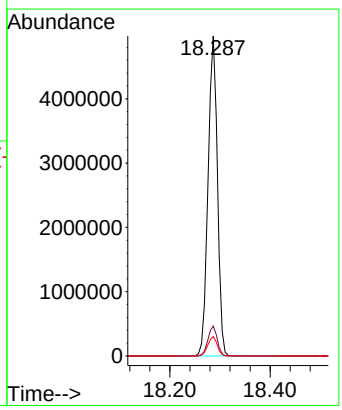
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

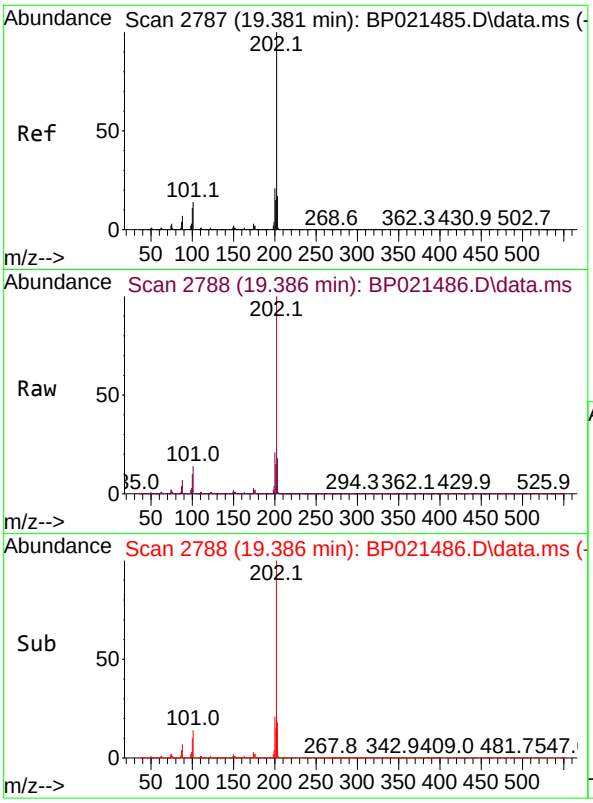


#74
Di-n-butylphthalate
Concen: 50.745 ng
RT: 18.287 min Scan# 2601
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 6454560

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	6.0	4.9	7.3

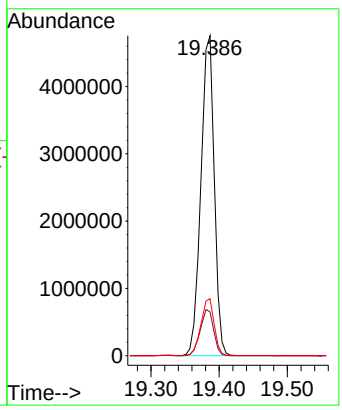




#75
Fluoranthene
Concen: 48.166 ng
RT: 19.386 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:202 Resp: 647613

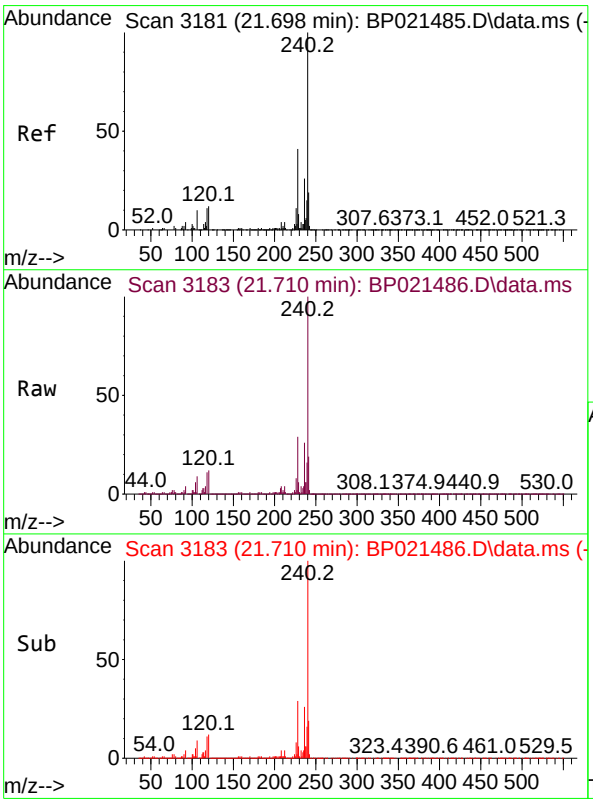
Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	34.0
203	17.8	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

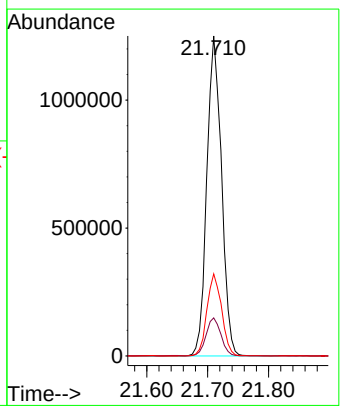
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

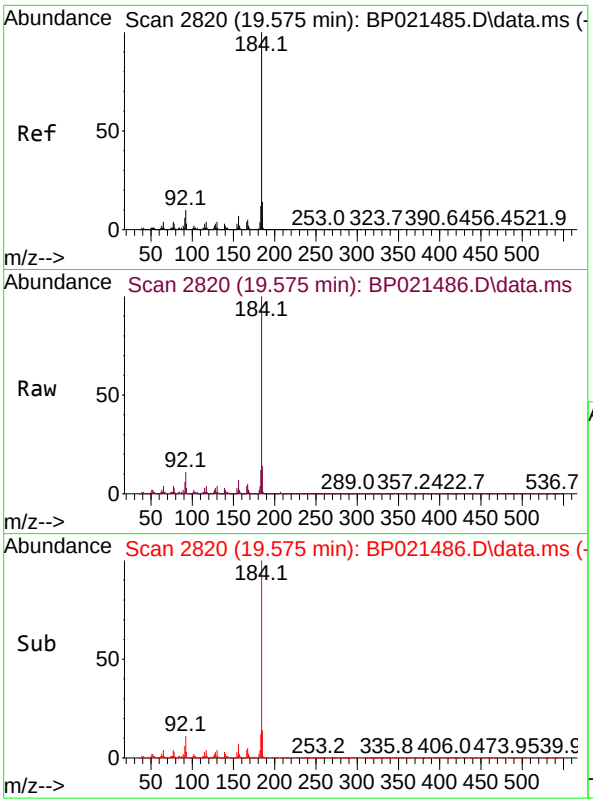


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:240 Resp: 2093381

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.9	14.9
236	25.7	20.6	30.8

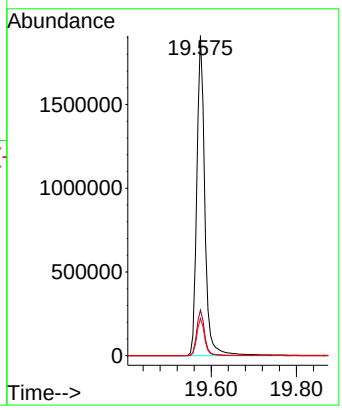




#77
Benzidine
Concen: 52.808 ng
RT: 19.575 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:184 Resp: 249365

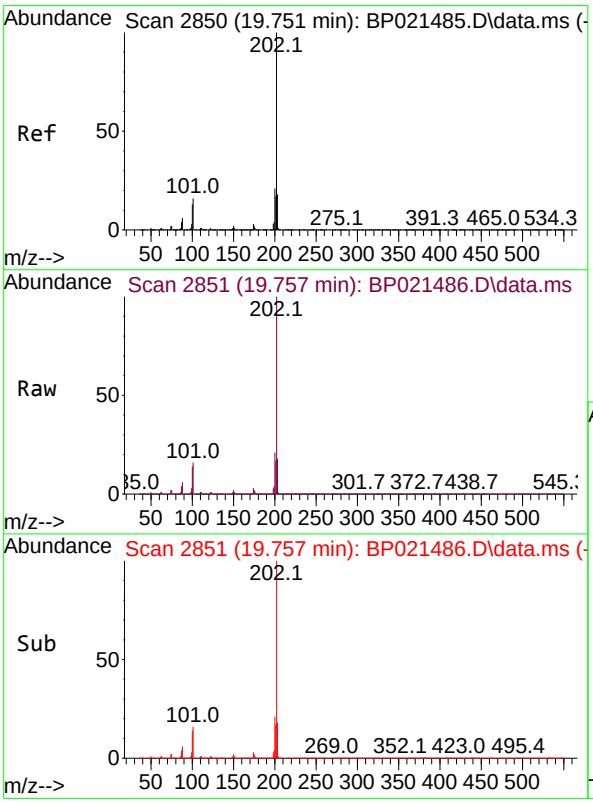
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.6	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
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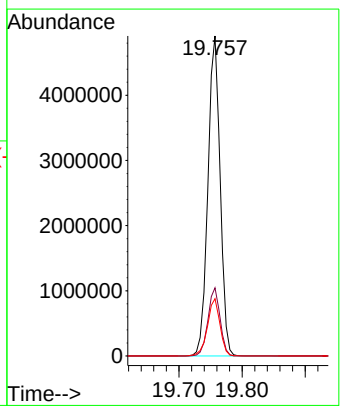
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

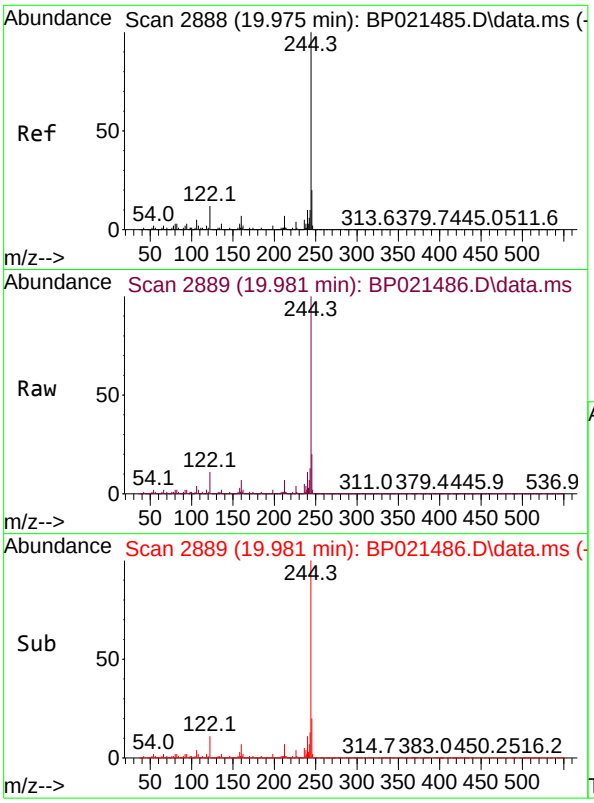


#78
Pyrene
Concen: 48.263 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:202 Resp: 6603640

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.9	14.1	21.1

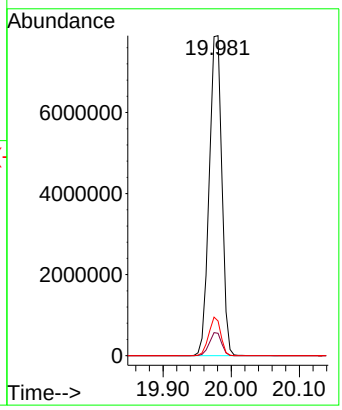




#79
Terphenyl-d14
Concen: 94.554 ng
RT: 19.981 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:244 Resp:1018862

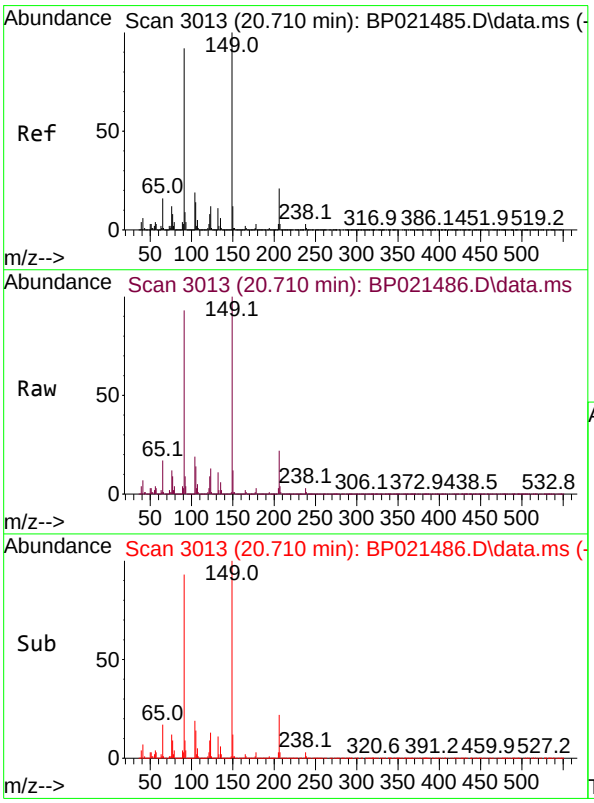
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	10.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

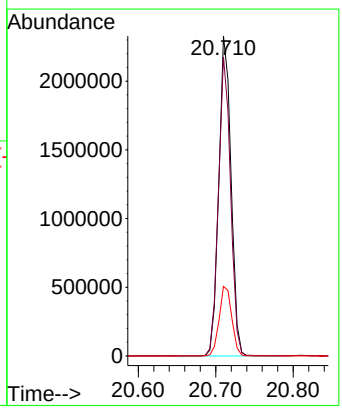
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

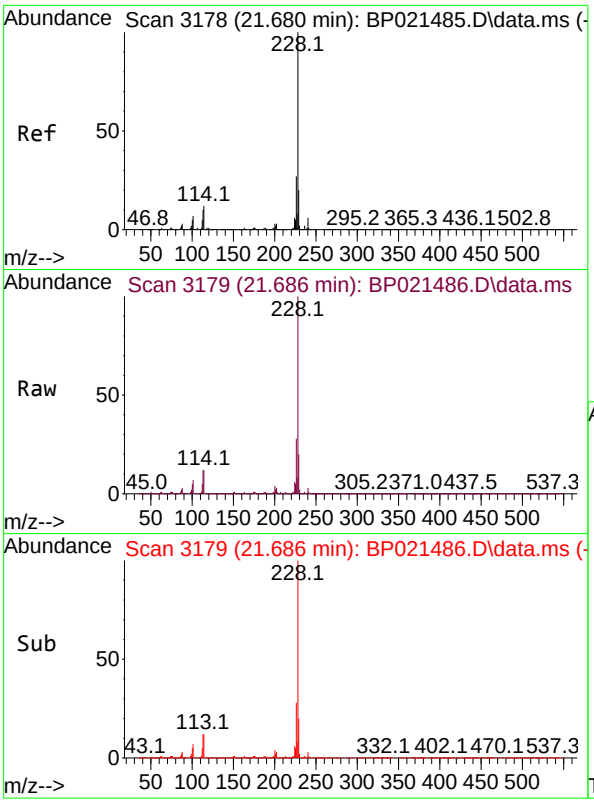


#80
Butylbenzylphthalate
Concen: 49.198 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 2559896

Ion	Ratio	Lower	Upper
149	100		
91	93.4	73.3	109.9
206	21.8	17.1	25.7

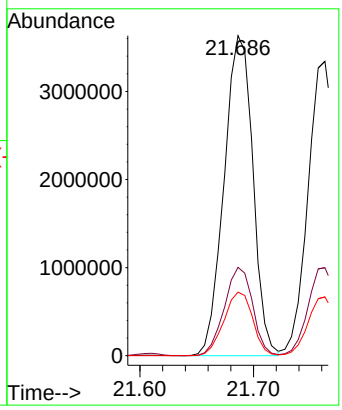




#81
Benzo(a)anthracene
Concen: 48.741 ng
RT: 21.686 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:228 Resp: 640529

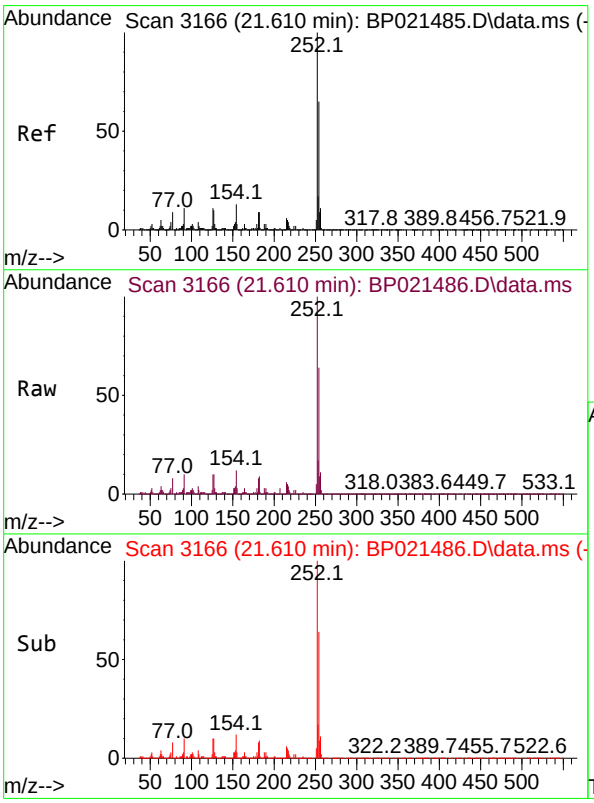
Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.4	32.2
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

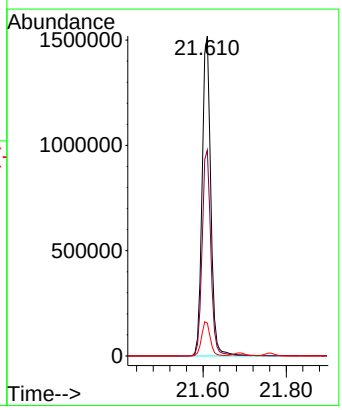
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

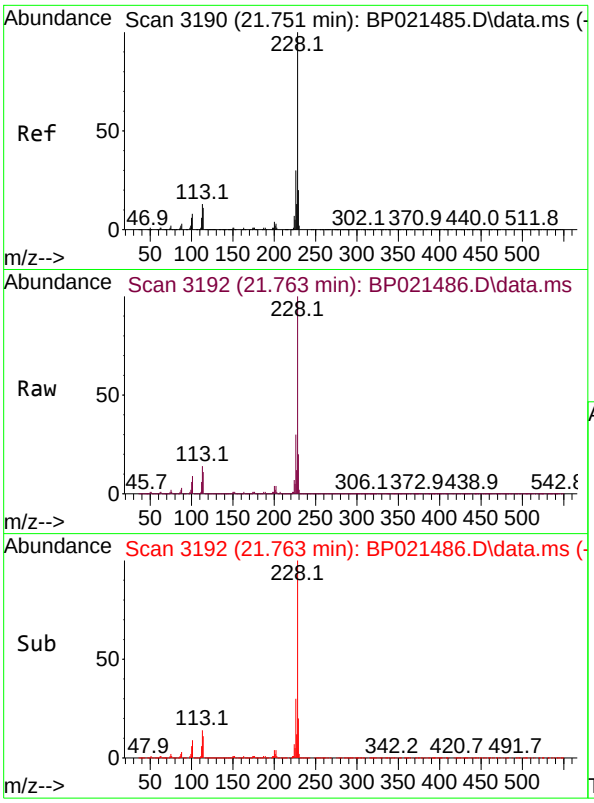


#82
3,3'-Dichlorobenzidine
Concen: 52.013 ng
RT: 21.610 min Scan# 3166
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:252 Resp: 2191535

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.7	77.5
126	10.3	8.7	13.1

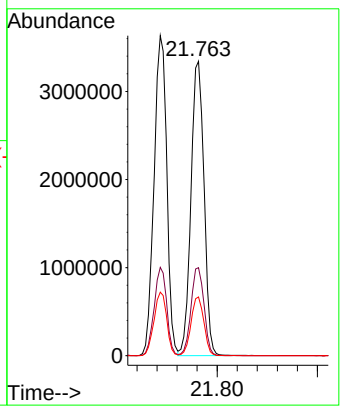




#83
Chrysene
Concen: 48.555 ng
RT: 21.763 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:228 Resp: 602446

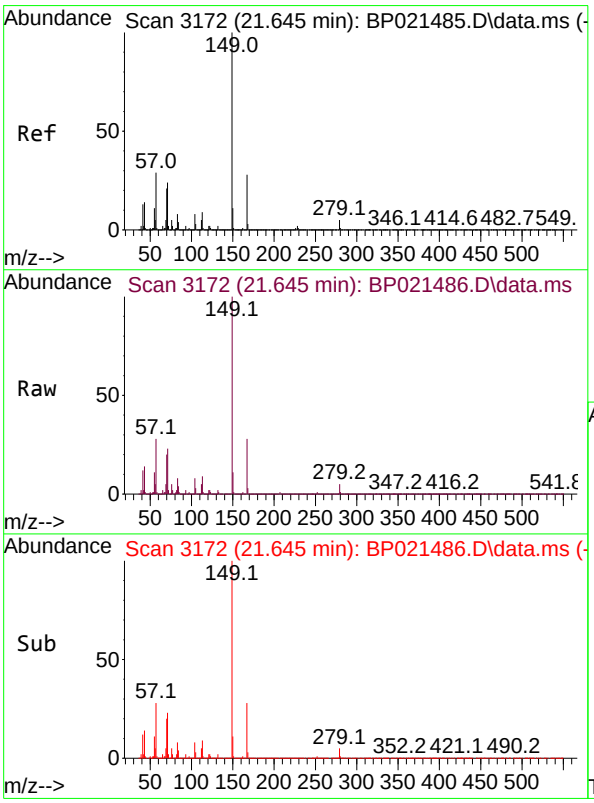
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.9	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

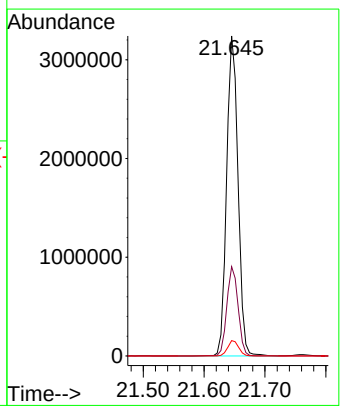
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

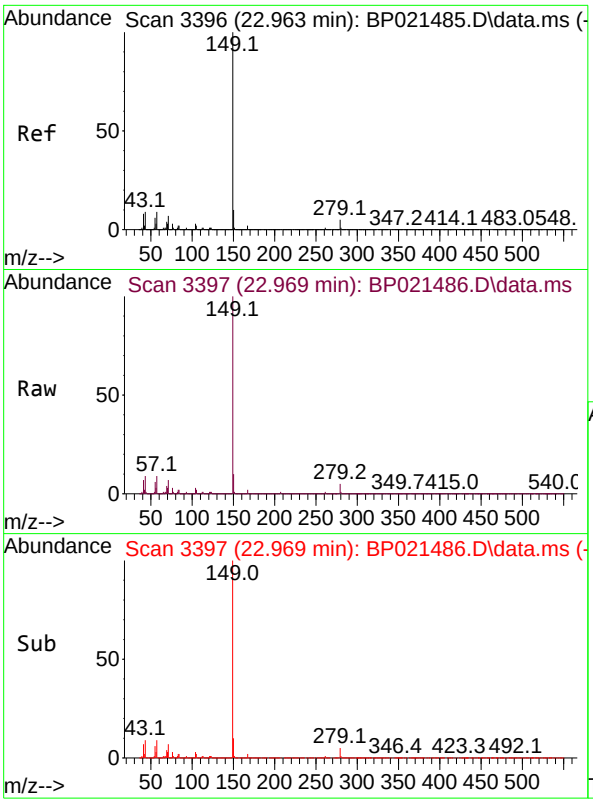


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.143 ng
RT: 21.645 min Scan# 3172
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:149 Resp: 4205342

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.3	33.5
279	4.8	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 49.144 ng
RT: 22.969 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

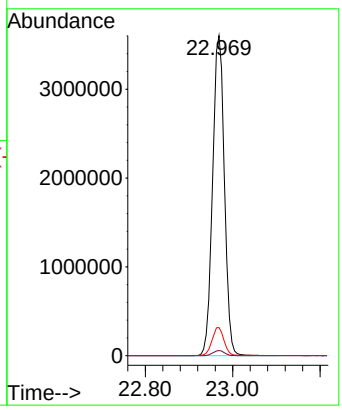
Tgt Ion:149 Resp: 672254

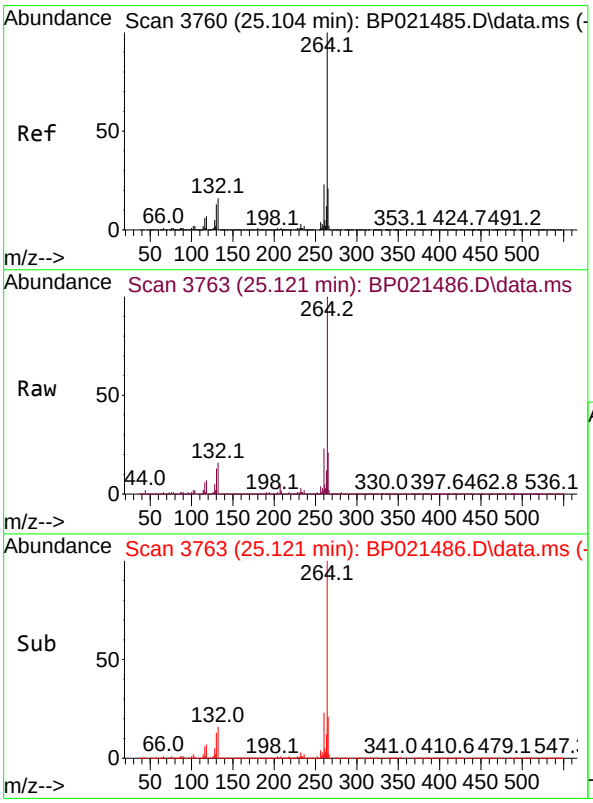
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.9	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

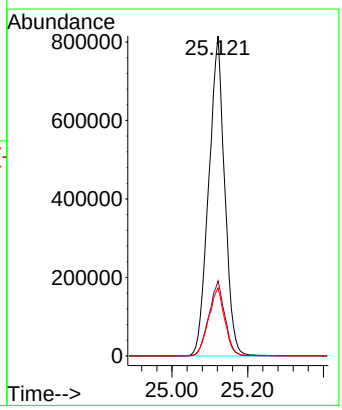


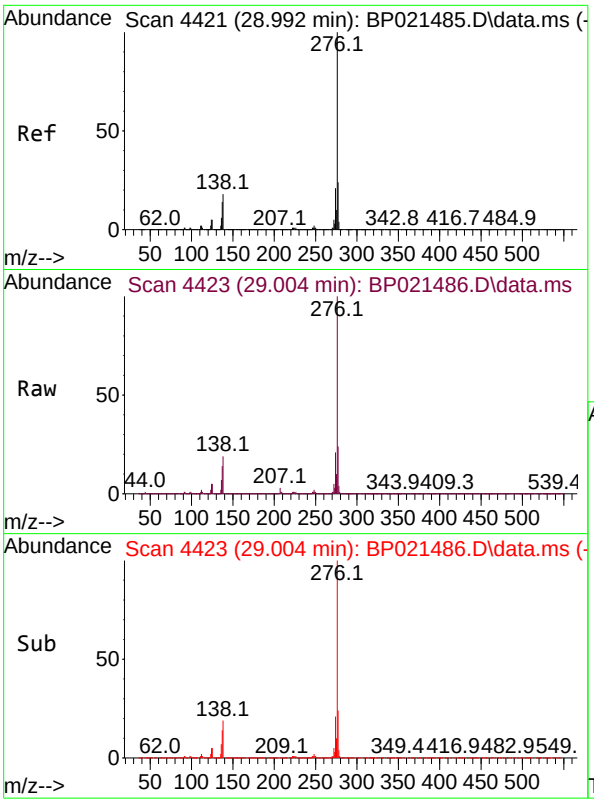


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.121 min Scan# 3763
Delta R.T. 0.018 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:264 Resp: 2377136

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.2	17.1	25.7

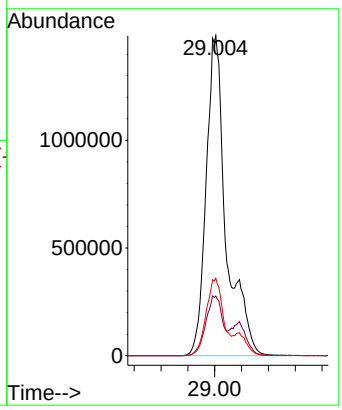




#87
Indeno(1,2,3-cd)pyrene
Concen: 50.025 ng m
RT: 29.004 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:276 Resp: 770746

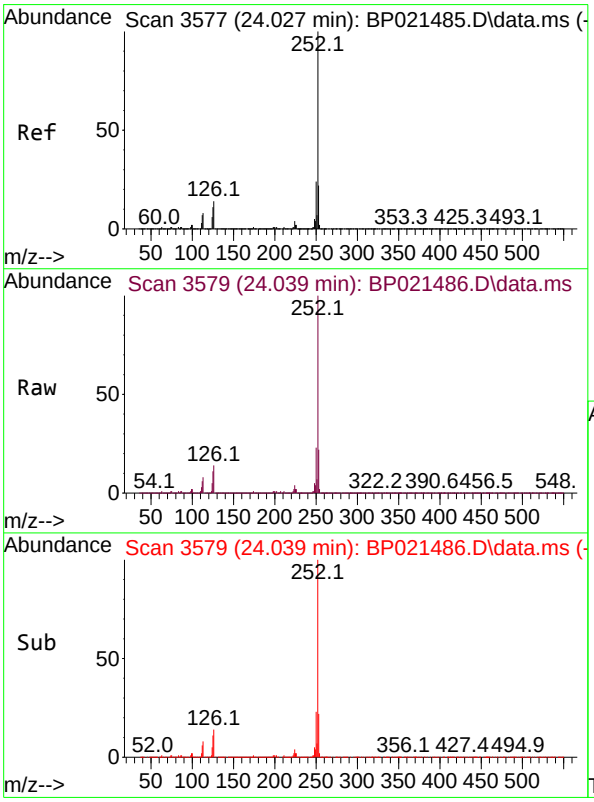
Ion	Ratio	Lower	Upper
276	100		
138	15.5	12.8	19.2
277	20.6	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

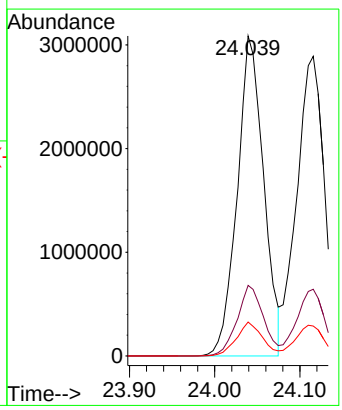
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

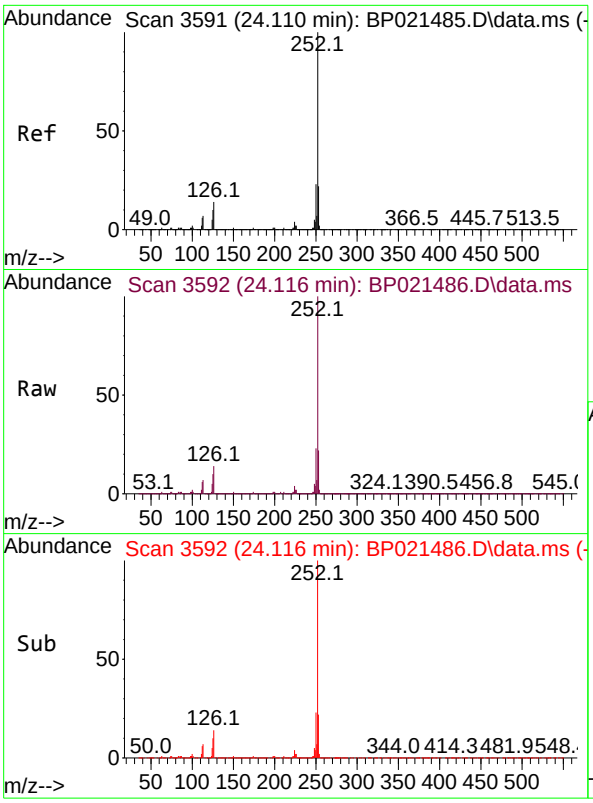


#88
Benzo(b)fluoranthene
Concen: 48.689 ng
RT: 24.039 min Scan# 3579
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:252 Resp: 6647186

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.6	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 49.204 ng
RT: 24.116 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

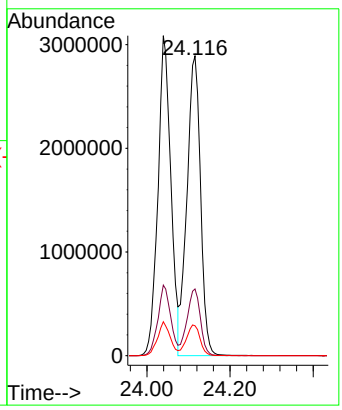
Tgt Ion:252 Resp: 655298

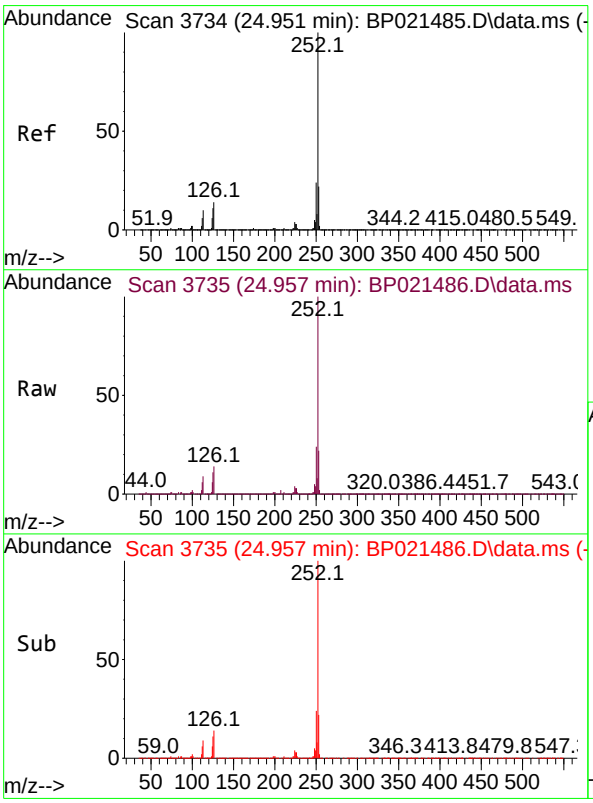
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.0	7.8	11.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

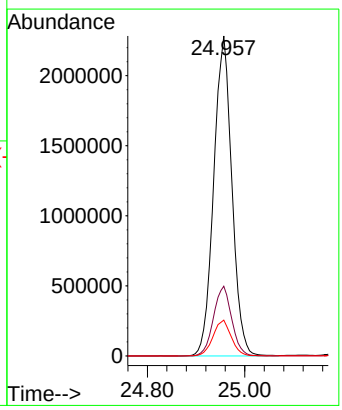


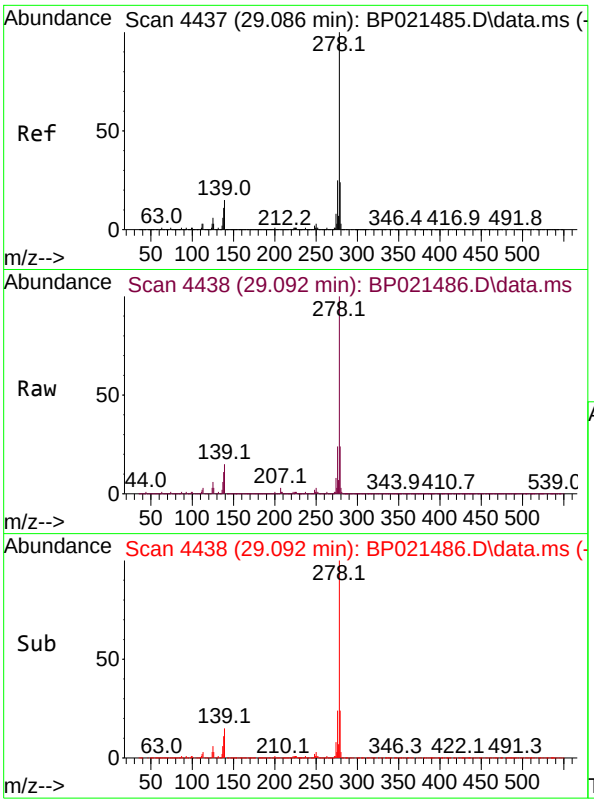


#90
Benzo(a)pyrene
Concen: 49.959 ng
RT: 24.957 min Scan# 3735
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:252 Resp: 5918922

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.2	8.7	13.1

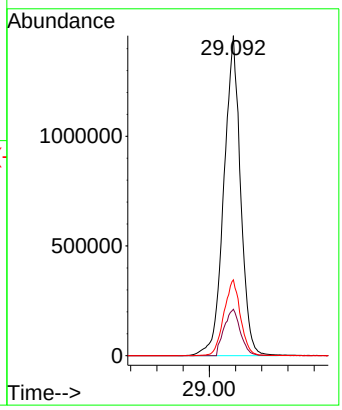




#91
Dibenzo(a,h)anthracene
Concen: 50.151 ng
RT: 29.092 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:278 Resp: 642089

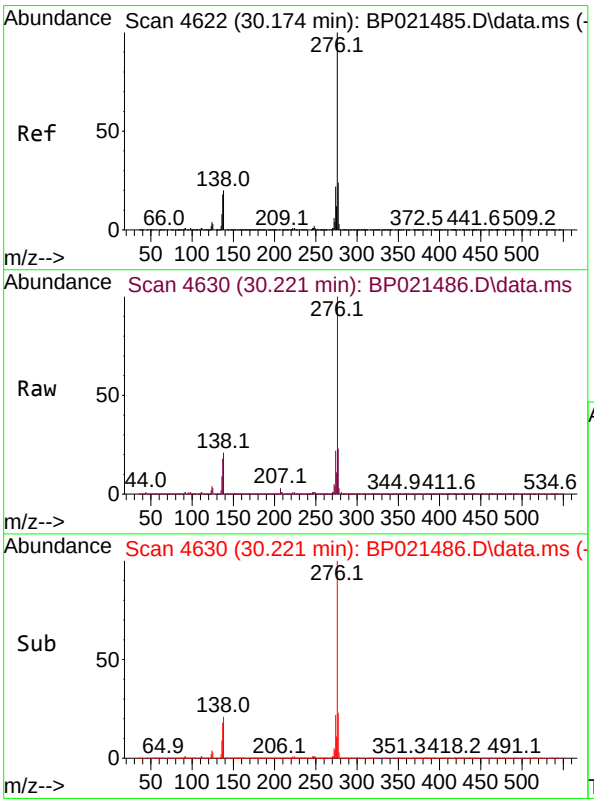
Ion	Ratio	Lower	Upper
278	100		
139	14.5	12.2	18.4
279	23.7	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

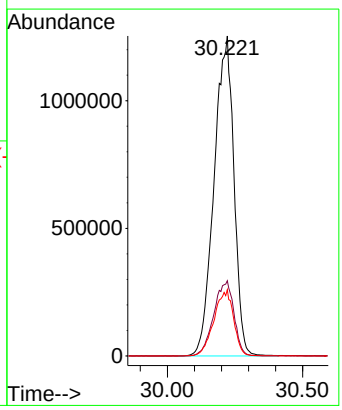
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 49.748 ng
RT: 30.221 min Scan# 4630
Delta R.T. 0.047 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Tgt Ion:276 Resp: 6383870

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.0	28.6
138	20.7	16.0	24.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021487.D
Acq On : 13 Aug 2024 16:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 13 23:48:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.810	152	382208	20.000	ng		0.00
21) Naphthalene-d8	10.599	136	1539217	20.000	ng		0.00
39) Acenaphthene-d10	14.457	164	953193	20.000	ng		0.00
64) Phenanthrene-d10	17.257	188	1991489	20.000	ng		0.00
76) Chrysene-d12	21.710	240	1907005	20.000	ng		0.01
86) Perylene-d12	25.121	264	2191159	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.393	112	3212821	124.817	ng		0.00
7) Phenol-d6	6.963	99	4582988	122.053	ng		0.00
23) Nitrobenzene-d5	8.957	82	4024825	134.966	ng		0.00
42) 2,4,6-Tribromophenol	15.969	330	1401053	132.067	ng		0.00
45) 2-Fluorobiphenyl	13.069	172	7484438	119.833	ng		0.00
79) Terphenyl-d14	19.986	244	11374626	115.877	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	739240	60.569	ng		99
3) Pyridine	3.705	79	2102990m	61.723	ng		
4) n-Nitrosodimethylamine	3.622	42	625716	61.099	ng		99
6) Aniline	7.134	93	2239942	59.670	ng		100
8) 2-Chlorophenol	7.375	128	1472845	61.917	ng		98
9) Benzaldehyde	6.946	77	1212390	50.428	ng		98
10) Phenol	6.993	94	2381743	61.254	ng		98
11) bis(2-Chloroethyl)ether	7.234	93	1938063	58.905	ng		99
12) 1,3-Dichlorobenzene	7.699	146	1682261	59.538	ng		100
13) 1,4-Dichlorobenzene	7.846	146	1709124	59.904	ng		99
14) 1,2-Dichlorobenzene	8.157	146	1624118	59.070	ng		100
15) Benzyl Alcohol	8.034	79	1647924	61.166	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	1756837	57.982	ng		100
17) 2-Methylphenol	8.234	107	1477294	60.098	ng		99
18) Hexachloroethane	8.893	117	704431	61.570	ng		99
19) n-Nitroso-di-n-propyla...	8.610	70	1457549	56.194	ng		99
20) 3+4-Methylphenols	8.563	107	2028575	61.202	ng		99
22) Acetophenone	8.616	105	2813557	59.500	ng	#	99
24) Nitrobenzene	8.999	77	2126322	65.650	ng		98
25) Isophorone	9.522	82	4092218	58.086	ng		99
26) 2-Nitrophenol	9.704	139	554873	60.117	ng		99
27) 2,4-Dimethylphenol	9.763	122	1074335	61.792	ng		97
28) bis(2-Chloroethoxy)met...	10.004	93	2556281	59.443	ng		100
29) 2,4-Dichlorophenol	10.234	162	1331749	64.829	ng		98
30) 1,2,4-Trichlorobenzene	10.457	180	1609924	61.128	ng		98
31) Naphthalene	10.646	128	4829277	60.059	ng		99
32) Benzoic acid	9.904	122	775935	61.192	ng		99
33) 4-Chloroaniline	10.746	127	1798121	59.532	ng		99
34) Hexachlorobutadiene	10.940	225	1011679	61.008	ng		99
35) Caprolactam	11.510	113	522232	61.084	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	1746318	61.283	ng		98
37) 2-Methylnaphthalene	12.257	142	3238044	59.003	ng		99
38) 1-Methylnaphthalene	12.475	142	3163697	58.451	ng		99
40) 1,2,4,5-Tetrachloroben...	12.634	216	1762492	63.107	ng		100
41) Hexachlorocyclopentadiene	12.622	237	610821	69.006	ng		99
43) 2,4,6-Trichlorophenol	12.857	196	1050099	67.687	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021487.D
Acq On : 13 Aug 2024 16:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	1165351	67.609	ng		98
46) 1,1'-Biphenyl	13.275	154	4097218	60.754	ng		100
47) 2-Chloronaphthalene	13.316	162	3228869	61.498	ng		99
48) 2-Nitroaniline	13.504	65	940456	62.204	ng		99
49) Acenaphthylene	14.175	152	4669645	60.501	ng		100
50) Dimethylphthalate	13.904	163	3832687	60.041	ng		100
51) 2,6-Dinitrotoluene	14.016	165	805457	61.336	ng		99
52) Acenaphthene	14.522	154	3066208	60.546	ng		98
53) 3-Nitroaniline	14.345	138	797905	61.781	ng		99
54) 2,4-Dinitrophenol	14.545	184	242951	61.764	ng		95
55) Dibenzofuran	14.857	168	4594089	58.970	ng		99
56) 4-Nitrophenol	14.639	139	644221	62.066	ng		93
57) 2,4-Dinitrotoluene	14.816	165	1034061	61.548	ng	#	94
58) Fluorene	15.522	166	3759913	58.748	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.086	232	973647	66.550	ng		99
60) Diethylphthalate	15.292	149	3911032	59.713	ng		100
61) 4-Chlorophenyl-phenyle...	15.528	204	1945714	58.814	ng		97
62) 4-Nitroaniline	15.534	138	824354	62.407	ng		98
63) Azobenzene	15.822	77	4711824	58.524	ng		98
65) 4,6-Dinitro-2-methylph...	15.586	198	410096	61.846	ng		98
66) n-Nitrosodiphenylamine	15.734	169	3192615	59.821	ng		100
67) 4-Bromophenyl-phenylether	16.433	248	1286048	61.016	ng		97
68) Hexachlorobenzene	16.551	284	1505847	60.456	ng		100
69) Atrazine	16.710	200	1088343	59.397	ng		99
70) Pentachlorophenol	16.892	266	899879	66.192	ng		99
71) Phenanthrene	17.292	178	5685784	59.366	ng		100
72) Anthracene	17.392	178	5636907	60.013	ng		100
73) Carbazole	17.675	167	5454823	60.260	ng		99
74) Di-n-butylphthalate	18.269	149	6834417	61.477	ng		100
75) Fluoranthene	19.380	202	7044903	59.949	ng		99
77) Benzidine	19.569	184	2334836	54.599	ng		100
78) Pyrene	19.757	202	7263907	58.277	ng		100
80) Butylbenzylphthalate	20.710	149	2906885	60.438	ng		98
81) Benzo(a)anthracene	21.692	228	7119658	59.472	ng		99
82) 3,3'-Dichlorobenzidine	21.598	252	2455338	63.969	ng		100
83) Chrysene	21.757	228	6762569	59.831	ng		99
84) Bis(2-ethylhexyl)phtha...	21.645	149	4576797	64.685	ng		100
85) Di-n-octyl phthalate	22.968	149	7622203	59.983	ng		99
87) Indeno(1,2,3-cd)pyrene	28.998	276	9100343m	64.078	ng		
88) Benzo(b)fluoranthene	24.045	252	7812709	62.083	ng		99
89) Benzo(k)fluoranthene	24.121	252	7561966	61.599	ng		99
90) Benzo(a)pyrene	24.974	252	6839630	62.630	ng		99
91) Dibenzo(a,h)anthracene	29.103	278	7520005	63.721	ng		100
92) Benzo(g,h,i)perylene	30.203	276	7563028	63.940	ng		100

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

ICAL Form

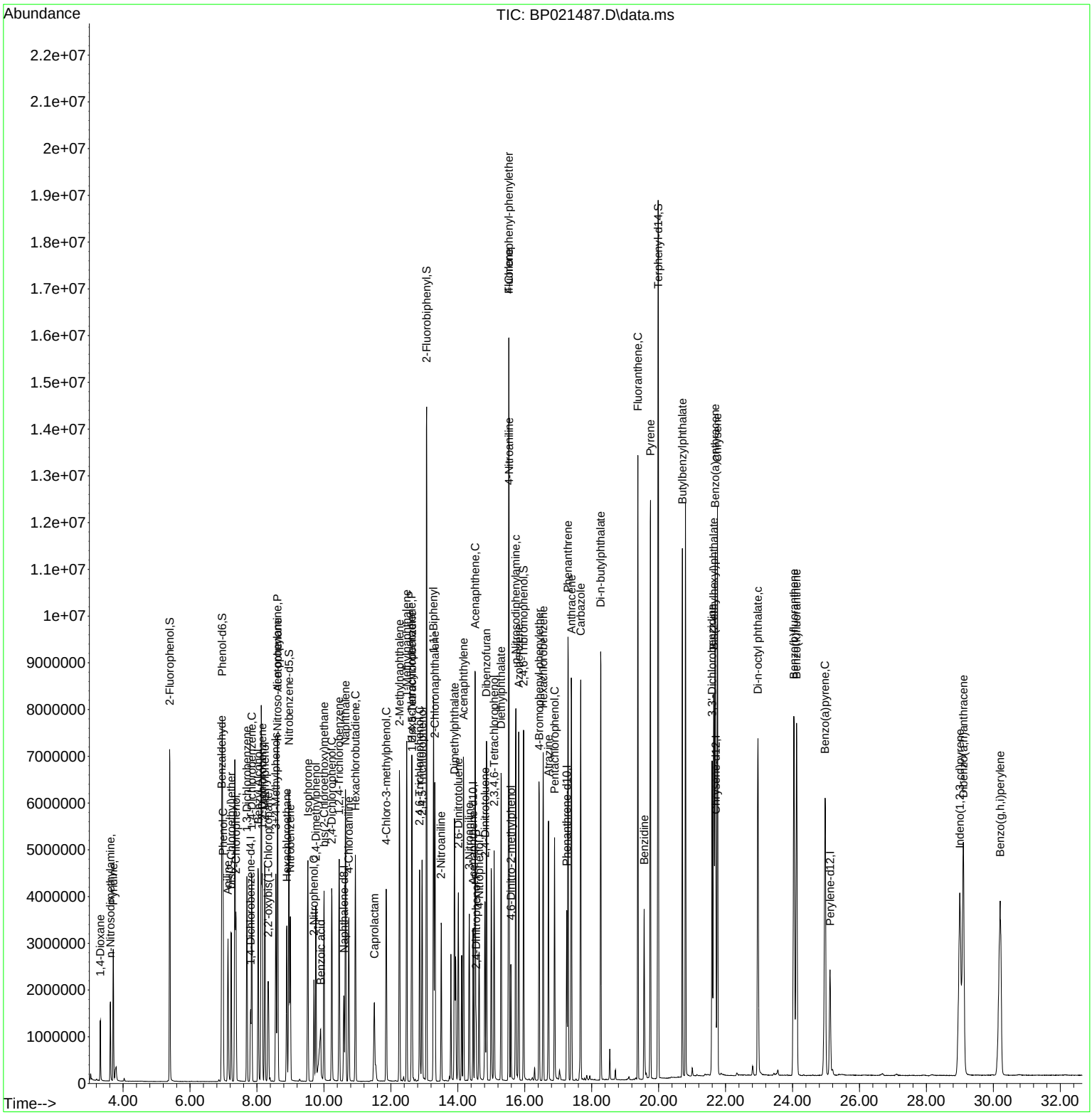
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Data File : BP021487.D
Acq On : 13 Aug 2024 16:53
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

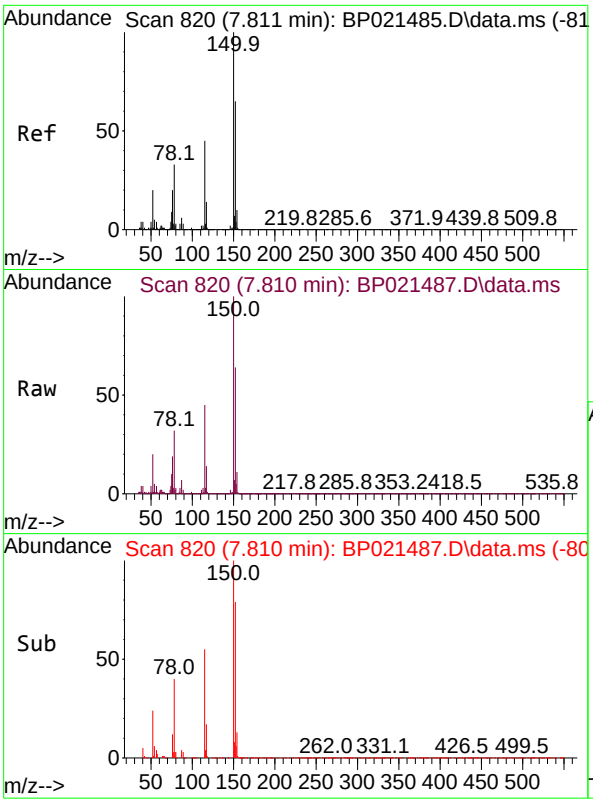
Quant Time: Aug 13 23:48:28 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

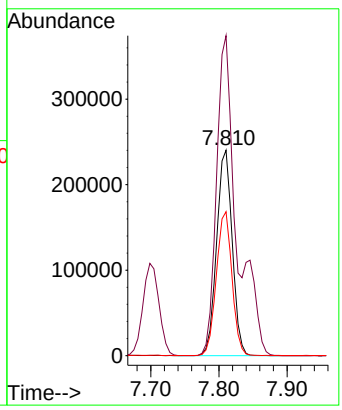

Abundance
TIC: BP021487.D\data.ms
Time-->
2-Fluorophenol,S
Phenol-d6,S
2-Fluorobiphenyl,S
Terphenyl-d14,S
4-Nitroaniline
Fluoranthene,C
Pyrene
Butylbenzylphthalate
Benzo(a)anthracene
Chrysene-d12,I
3,3'-Dichlorobenzidine
Di-n-octyl phthalate,c
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzo(a)pyrene,C
Perylene-d12,I
Indeno(1,2,3-cd)pyrene
Dibenz(a,h)anthracene
Benzo(g,h,i)perylene
Benzidine
Di-n-butylphthalate
Carbazole
Anthracene
Phenanthrene
4-Chloro-3-methylphenol,C
2-Nitrophenol,C
2,4-Dimethylphenol
Isophorone
Naphthalene
Hexachlorobutadiene,C
Caprolactam
Benzoic acid
2-Methylnaphthalene
2-Chloronaphthalene,S
2-Nitroaniline
Dimethylphthalate
Acenaphthylene
Acenaphthene,C
Dibenzofuran
Diethylphthalate
Fluorene
4-Bromophenyl-phenylether
Hexachlorobenzene
Atrazine
Pentachlorophenol,C
Phenanthrene-d10,I
1,4-Dioxane
n-Nitrosodimethylamine,
Pyridine
Benzaldehyde
Phenol,C
Aniline
2-Chlorophenol,
1,3-Dichlorobenzene,C
1,4-Dichlorobenzene-d4,I
1,4-Dichlorobenzene,C
Benzyl Alcohol
1,2-Dichlorobenzene,C
2,2'-oxybis(1-Chloropropane),C
4-Methylphenol,C
n-Nitroso-di-n-propylamine,P
Hexachloroethane
Nitrobenzene-d5,S
Nitrobenzene,C
Isophorone,C
2-Nitrophenol,C
2,4-Dimethylphenol
Benzoic acid
bis(2-Chloroethoxy)methane
2,4-Dichlorophenol,C
1,2,4-Trichlorobenzene
Naphthalene
Naphthalene-d8,I
4-Chloroaniline
Hexachlorobutadiene,C
4-Chloro-3-methylphenol,C
2-Methylnaphthalene
2-Chloronaphthalene,S
2-Nitroaniline
Dimethylphthalate
Acenaphthylene
Acenaphthene,C
Dibenzofuran
Diethylphthalate
Fluorene
4-Bromophenyl-phenylether
Hexachlorobenzene
Atrazine
Pentachlorophenol,C
Phenanthrene-d10,I
Anthracene
Carbazole
Di-n-butylphthalate
Fluoranthene,C
Pyrene
Butylbenzylphthalate
Benzo(a)anthracene
Chrysene-d12,I
3,3'-Dichlorobenzidine
Di-n-octyl phthalate,c
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzo(a)pyrene,C
Perylene-d12,I
Indeno(1,2,3-cd)pyrene
Dibenz(a,h)anthracene
Benzo(g,h,i)perylene
Benzidine
Terphenyl-d14,S
2-Fluorobiphenyl,S
4-Nitroaniline
2-Nitroaniline
2-Chloronaphthalene,S
Acenaphthene,C
Dimethylphthalate



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.001 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:152 Resp: 38220

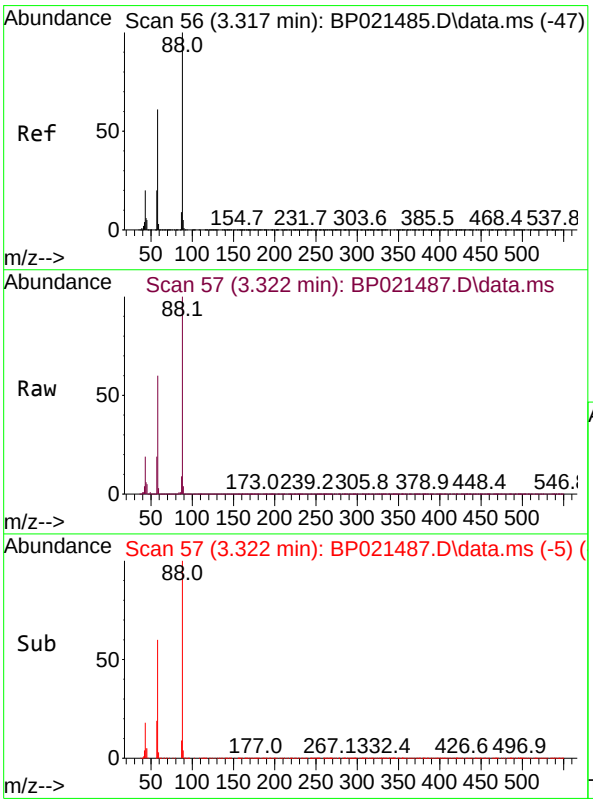
Ion	Ratio	Lower	Upper
152	100		
150	155.8	122.4	183.6
115	70.1	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

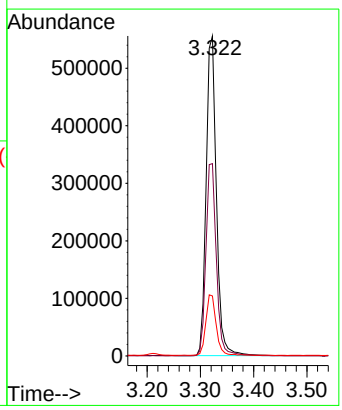
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

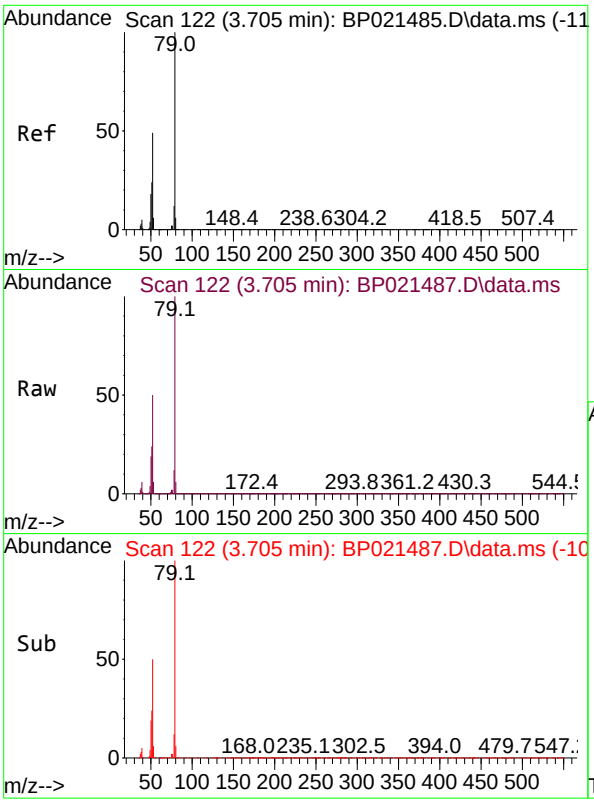


#2
1,4-Dioxane
Concen: 60.569 ng
RT: 3.322 min Scan# 57
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 88 Resp: 739240

Ion	Ratio	Lower	Upper
88	100		
58	61.4	48.7	73.1
43	19.1	15.4	23.2

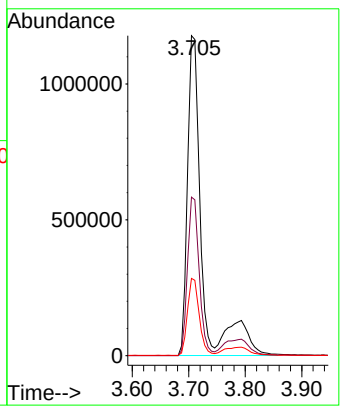




#3
Pyridine
Concen: 61.723 ng m
RT: 3.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 79 Resp: 210299

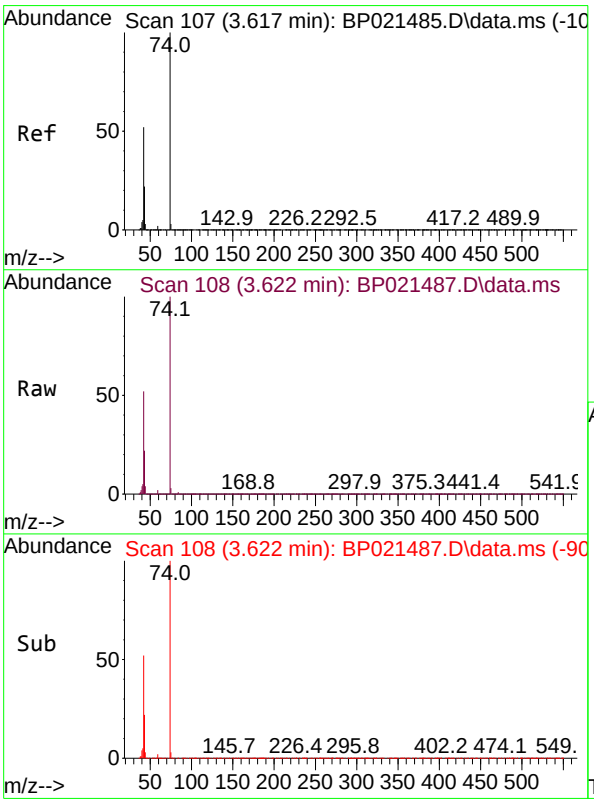
Ion	Ratio	Lower	Upper
79	100		
52	49.5	39.0	58.6
51	24.1	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

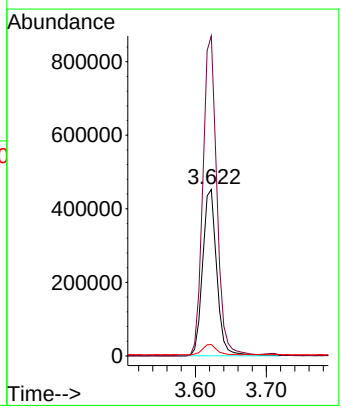
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

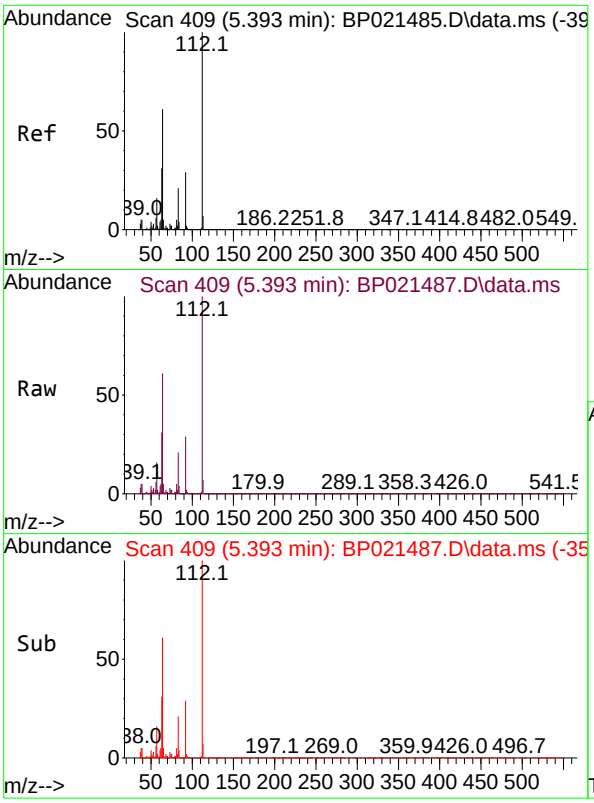


#4
n-Nitrosodimethylamine
Concen: 61.099 ng
RT: 3.622 min Scan# 108
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 42 Resp: 625716

Ion	Ratio	Lower	Upper
42	100		
74	192.1	154.3	231.5
44	7.0	6.2	9.4

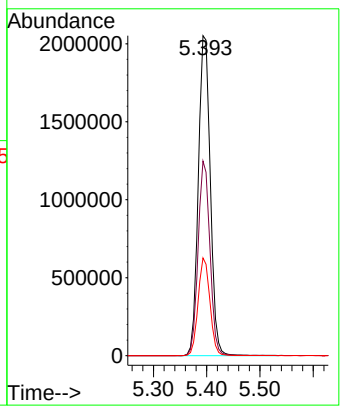




#5
2-Fluorophenol
Concen: 124.817 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:112 Resp: 321282

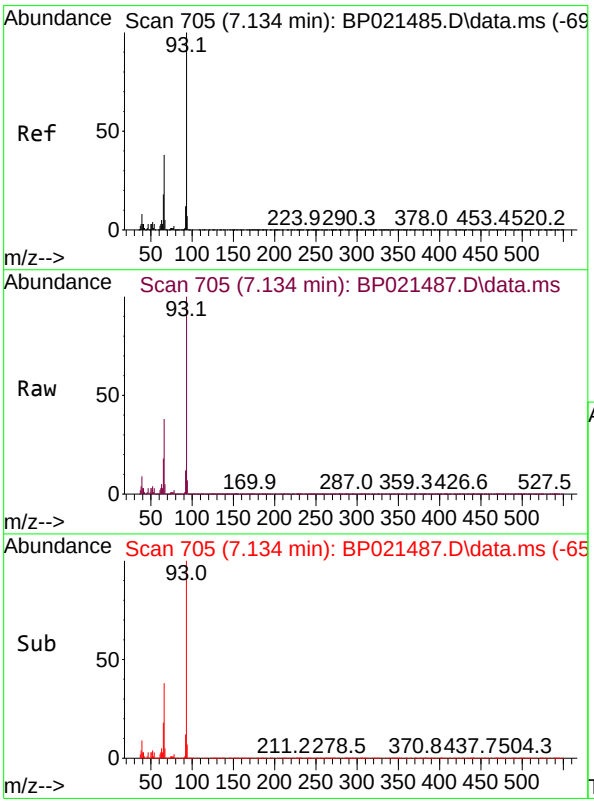
Ion	Ratio	Lower	Upper
112	100		
64	60.8	49.0	73.6
63	30.6	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

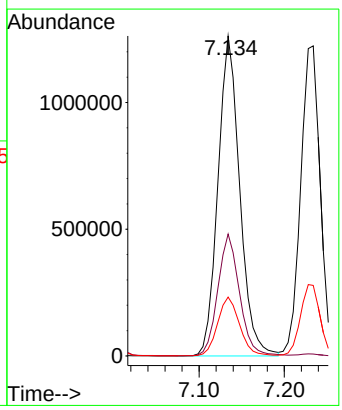
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

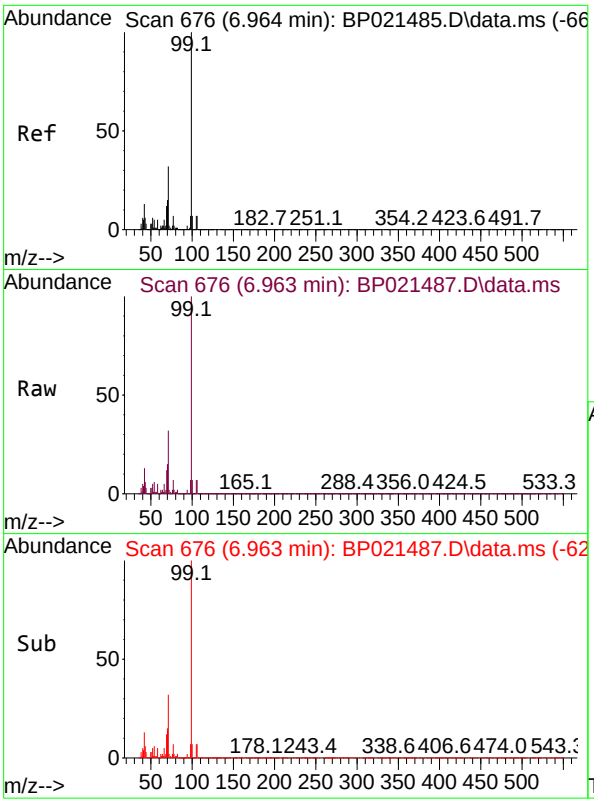


#6
Aniline
Concen: 59.670 ng
RT: 7.134 min Scan# 705
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 93 Resp: 2239942

Ion	Ratio	Lower	Upper
93	100		
66	38.1	30.2	45.2
65	18.4	14.7	22.1

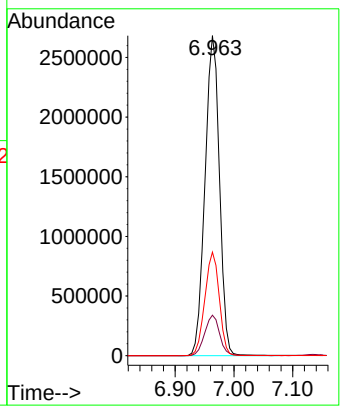




#7
Phenol-d6
Concen: 122.053 ng
RT: 6.963 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 99 Resp: 458298

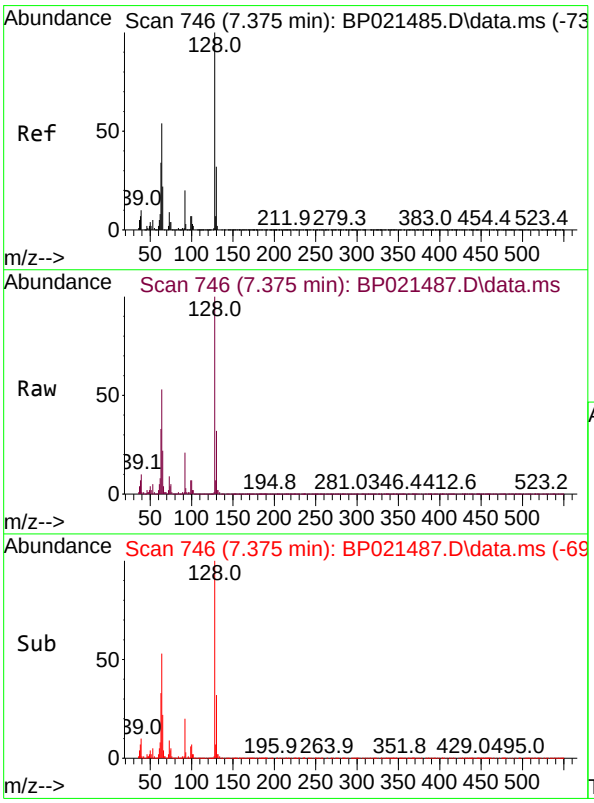
Ion	Ratio	Lower	Upper
99	100		
42	12.6	10.2	15.4
71	32.4	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

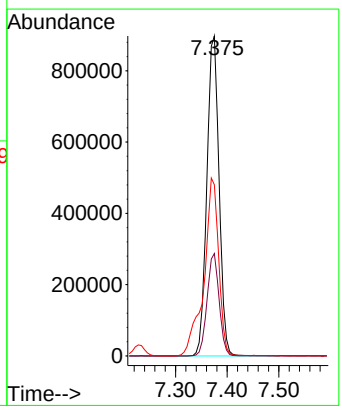
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

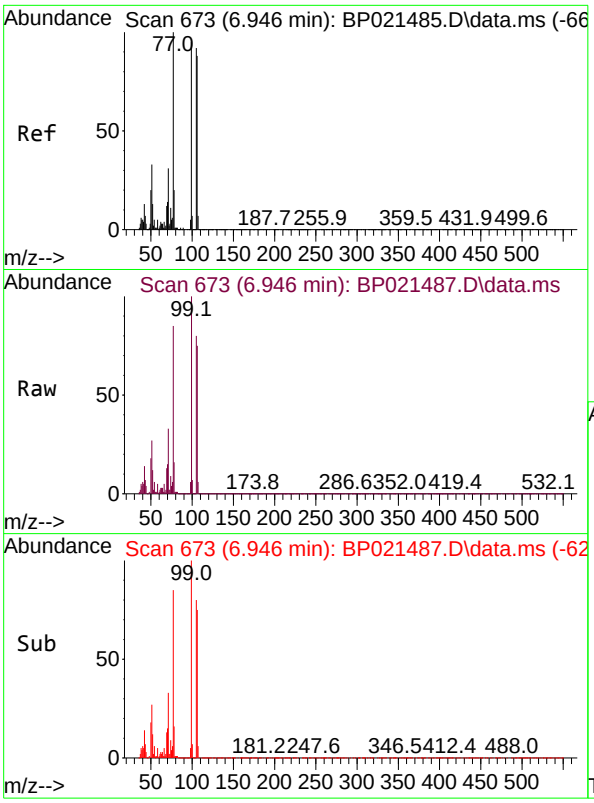


#8
2-Chlorophenol
Concen: 61.917 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:128 Resp: 1472845

Ion	Ratio	Lower	Upper
128	100		
130	32.0	11.6	51.6
64	53.5	35.3	75.3

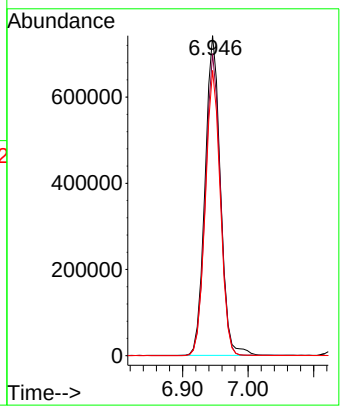




#9
Benzaldehyde
Concen: 50.428 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 77 Resp: 121239

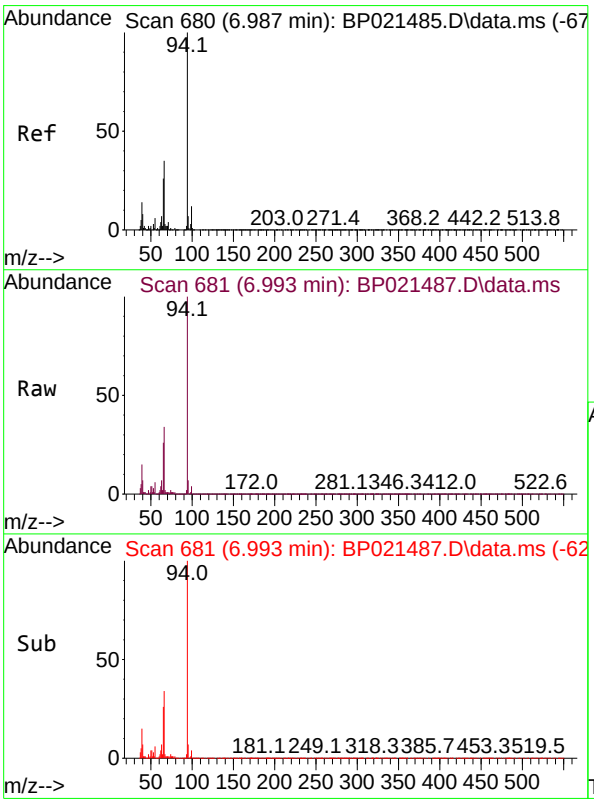
Ion	Ratio	Lower	Upper
77	100		
105	94.4	72.1	112.1
106	89.1	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

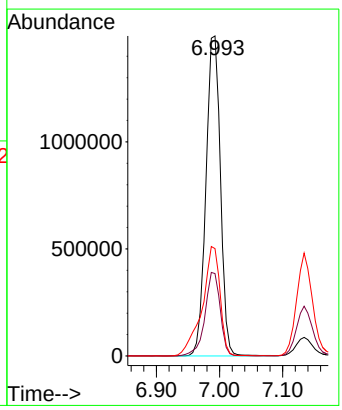
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

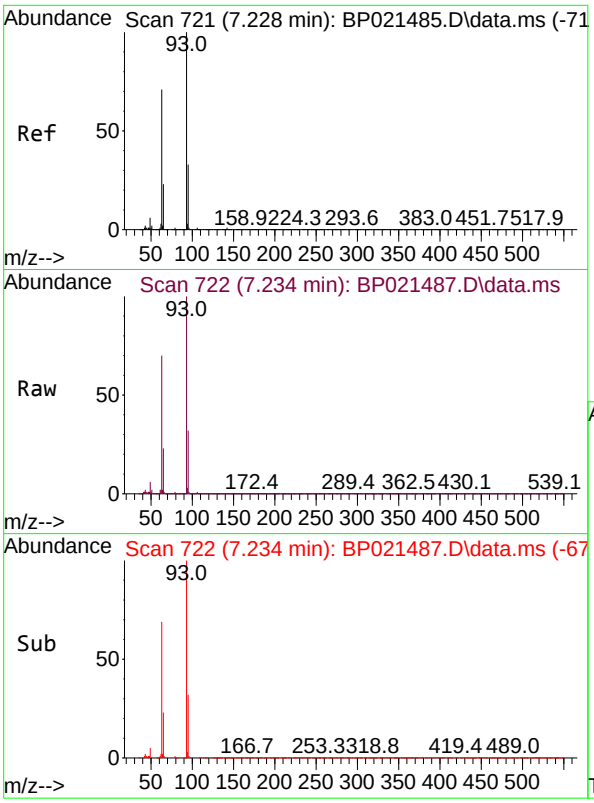


#10
Phenol
Concen: 61.254 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 94 Resp: 2381743

Ion	Ratio	Lower	Upper
94	100		
65	25.8	6.5	46.5
66	33.6	14.7	54.7

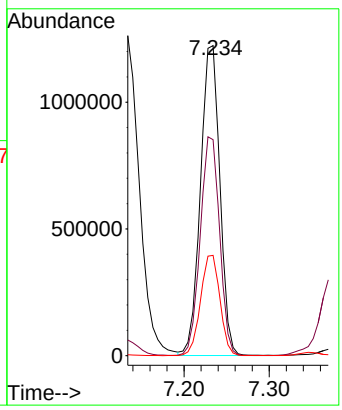




#11
bis(2-Chloroethyl)ether
Concen: 58.905 ng
RT: 7.234 min Scan# 7
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 93 Resp: 193806

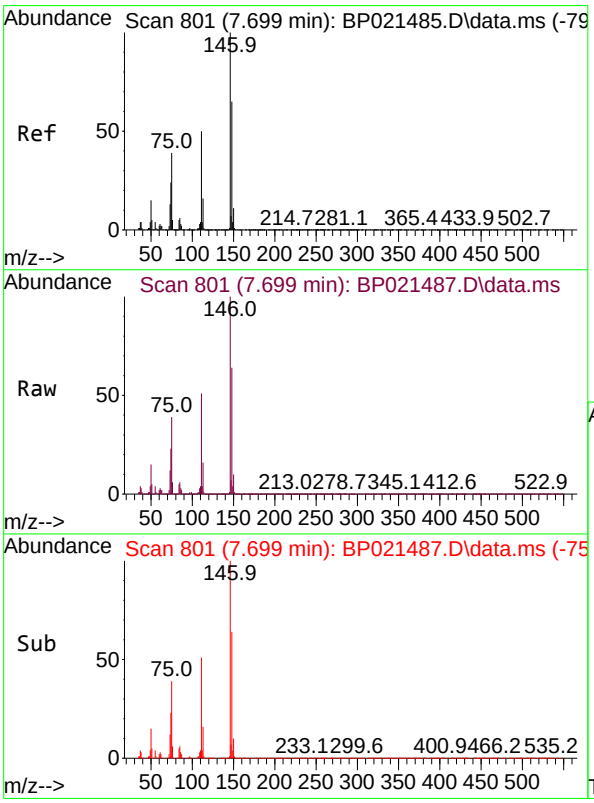
Ion	Ratio	Lower	Upper
93	100		
63	69.6	51.0	91.0
95	32.4	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

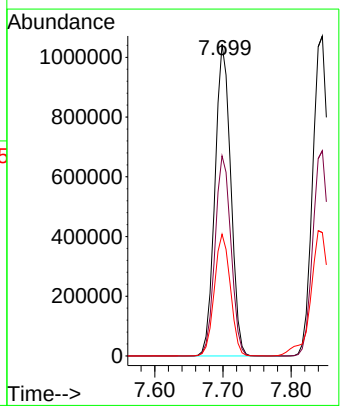
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

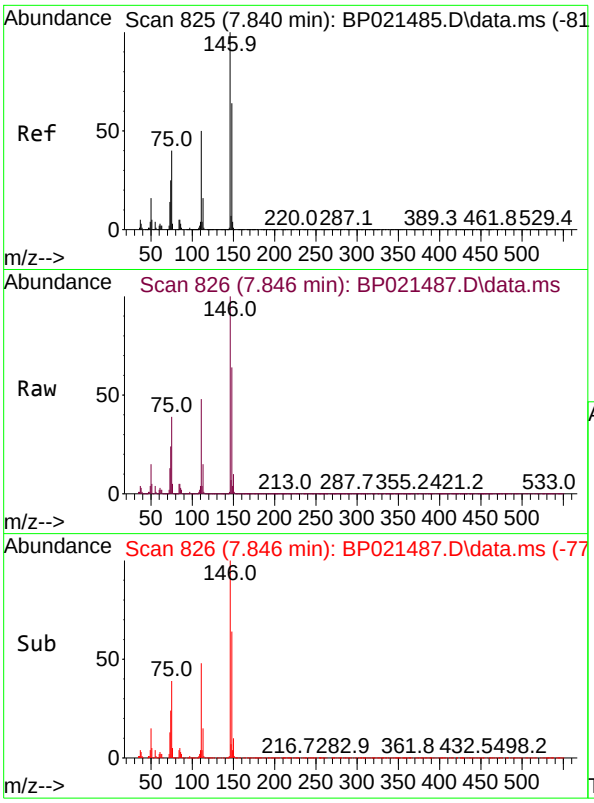


#12
1,3-Dichlorobenzene
Concen: 59.538 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:146 Resp: 1682261

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.8	77.6
75	39.1	31.3	46.9

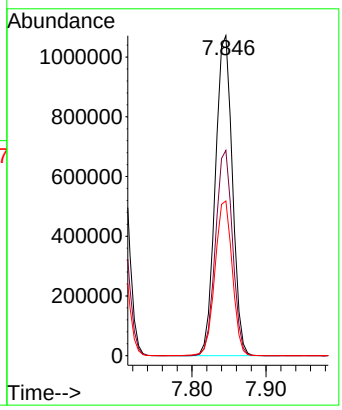




#13
1,4-Dichlorobenzene
Concen: 59.904 ng
RT: 7.846 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:146 Resp: 170912

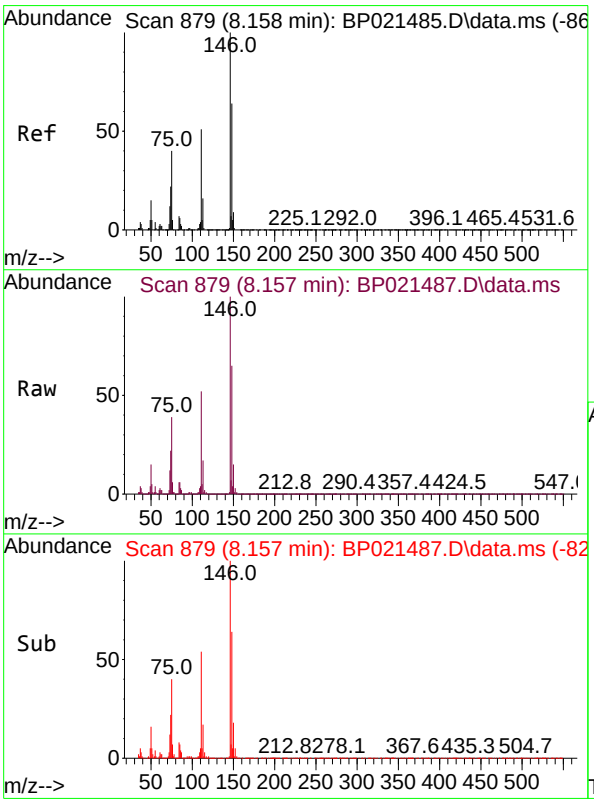
Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.5	77.3
111	48.4	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

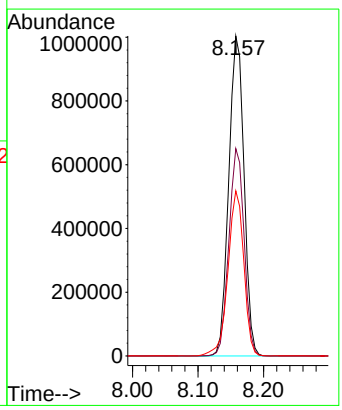
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

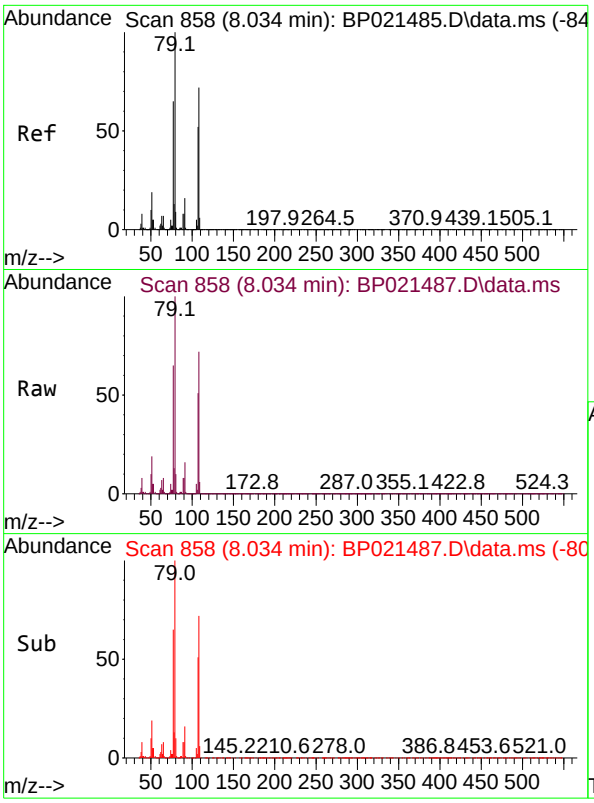


#14
1,2-Dichlorobenzene
Concen: 59.070 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:146 Resp: 1624118

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.5	77.3
111	51.6	41.1	61.7

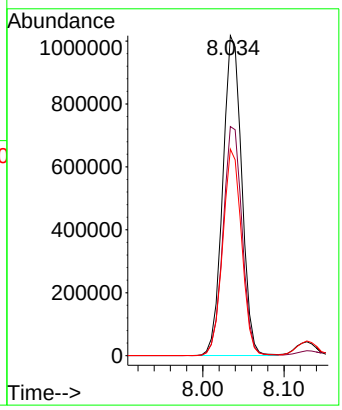




#15
Benzyl Alcohol
Concen: 61.166 ng
RT: 8.034 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 79 Resp: 164792

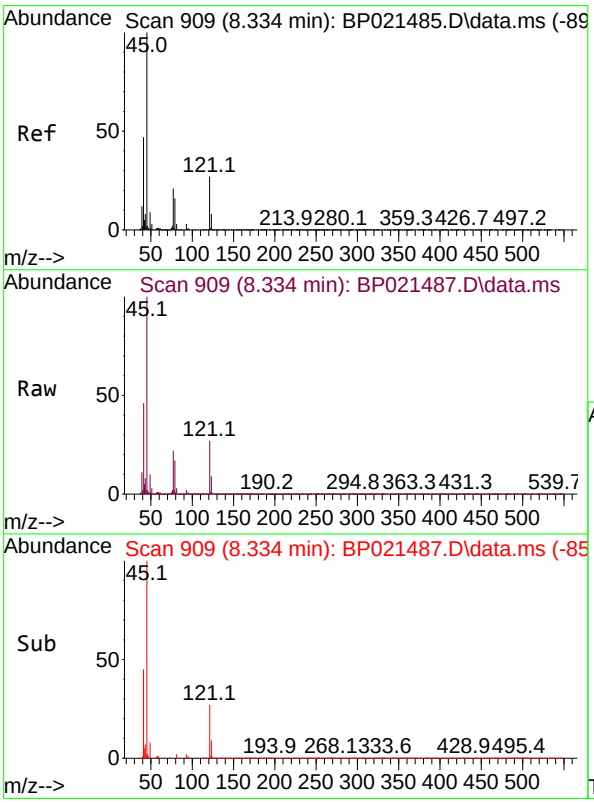
Ion	Ratio	Lower	Upper
79	100		
108	71.6	57.9	86.9
77	64.5	51.8	77.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

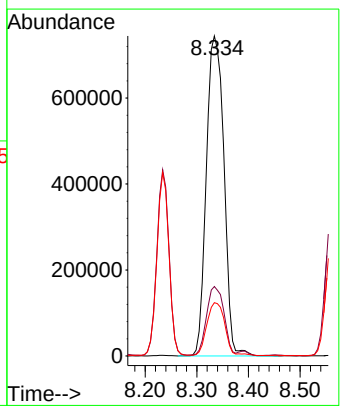
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

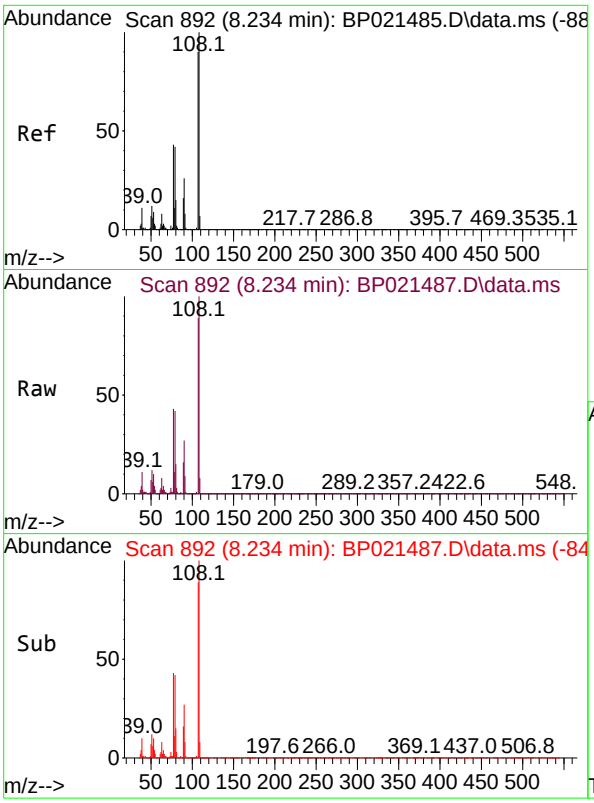


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.982 ng
RT: 8.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 45 Resp: 1756837

Ion	Ratio	Lower	Upper
45	100		
77	21.7	1.9	41.9
79	16.6	0.0	36.6

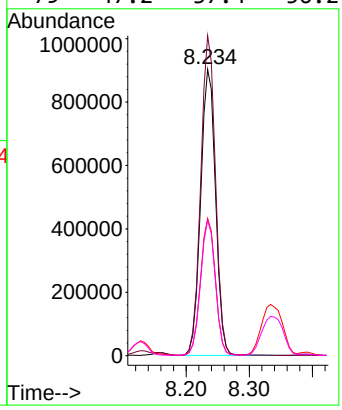




#17
2-Methylphenol
Concen: 60.098 ng
RT: 8.234 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:107 Resp: 147729

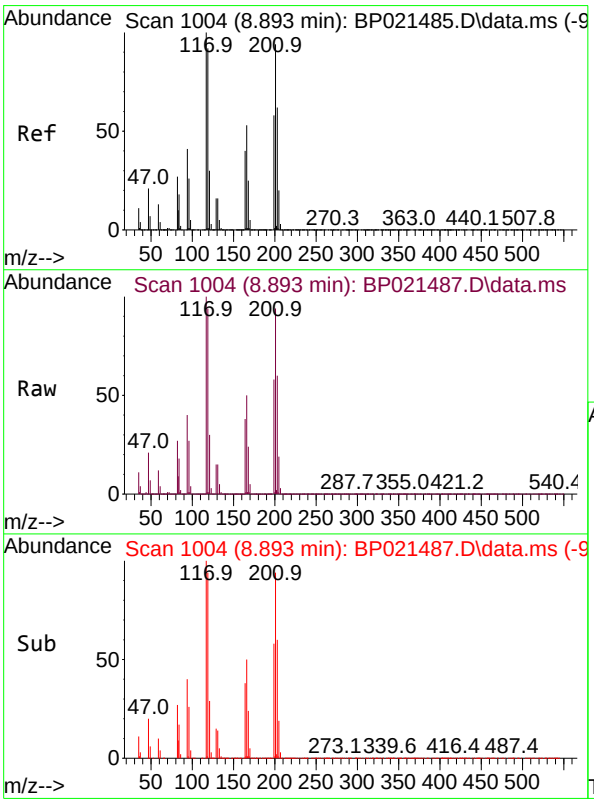
Ion	Ratio	Lower	Upper
107	100		
108	111.8	88.8	133.2
77	48.0	38.7	58.1
79	47.2	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

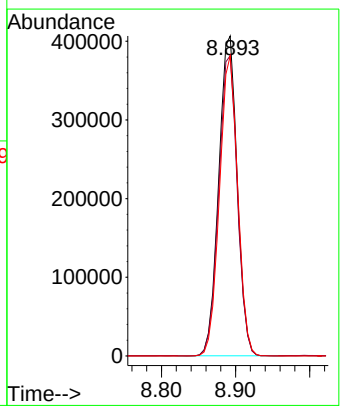
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

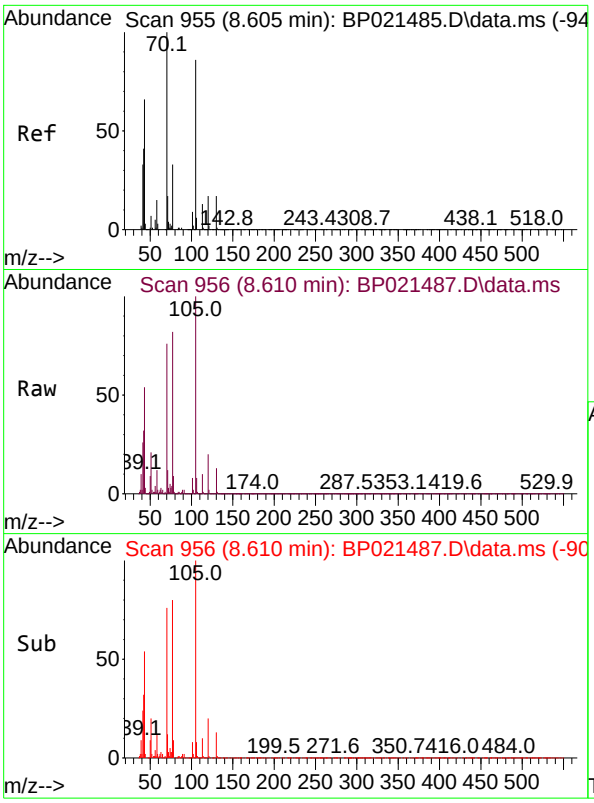


#18
Hexachloroethane
Concen: 61.570 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:117 Resp: 704431

Ion	Ratio	Lower	Upper
117	100		
119	93.9	73.9	110.9
201	93.8	74.9	112.3

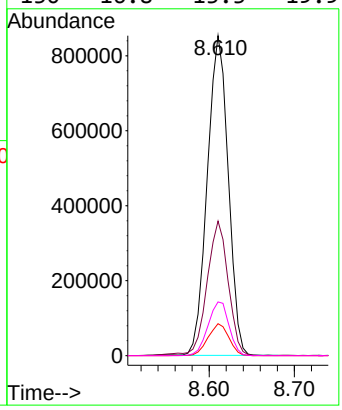




#19
n-Nitroso-di-n-propylamine
Concen: 56.194 ng
RT: 8.610 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 70 Resp: 145754

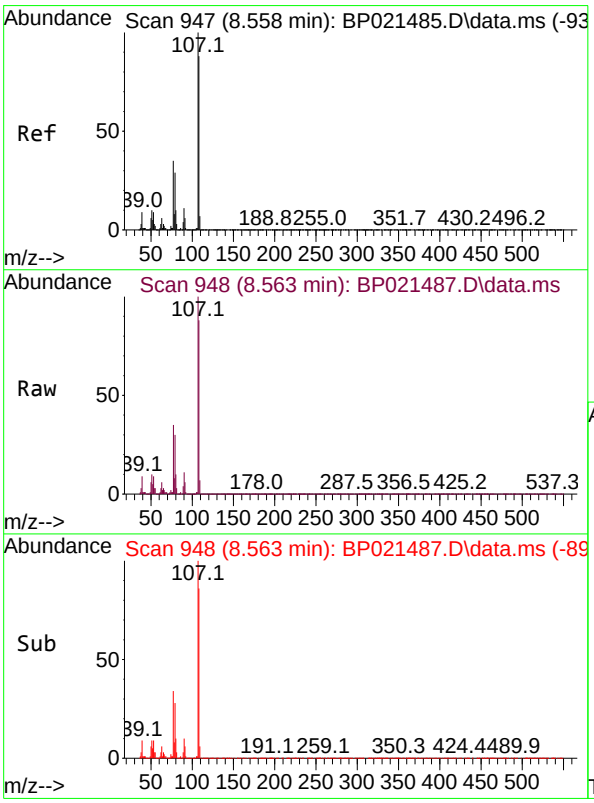
Ion	Ratio	Lower	Upper
70	100		
42	42.0	33.1	49.7
101	10.0	7.4	11.2
130	16.8	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
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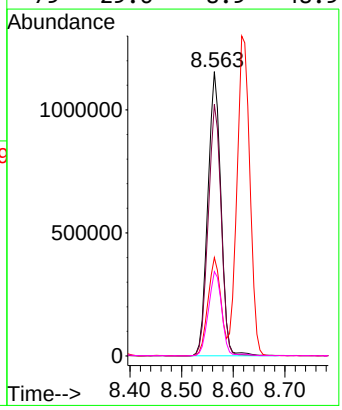
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

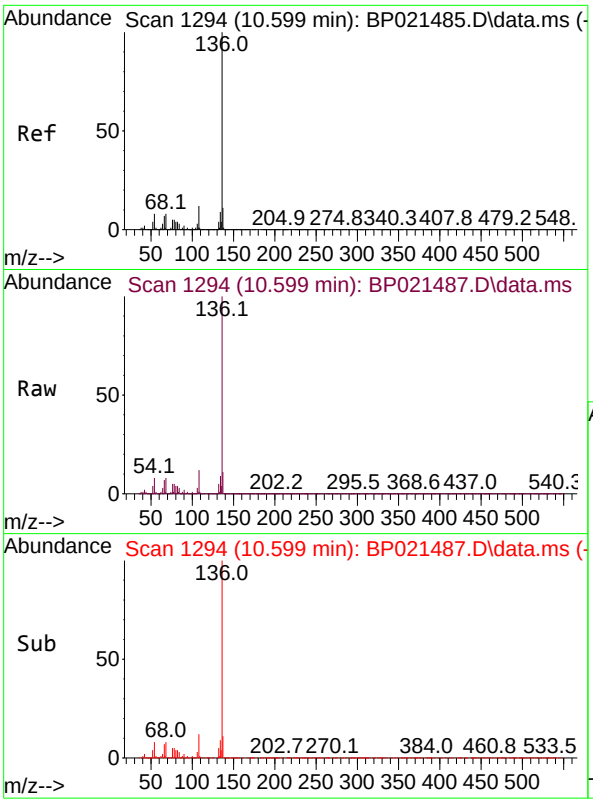


#20
3+4-Methylphenols
Concen: 61.202 ng
RT: 8.563 min Scan# 948
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:107 Resp: 2028575

Ion	Ratio	Lower	Upper
107	100		
108	88.4	67.6	107.6
77	34.6	15.0	55.0
79	29.6	8.9	48.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.001 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

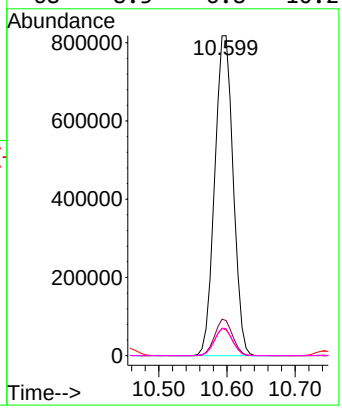
Instrument :
BNA_P
ClientSampleId :
SSTDICC060

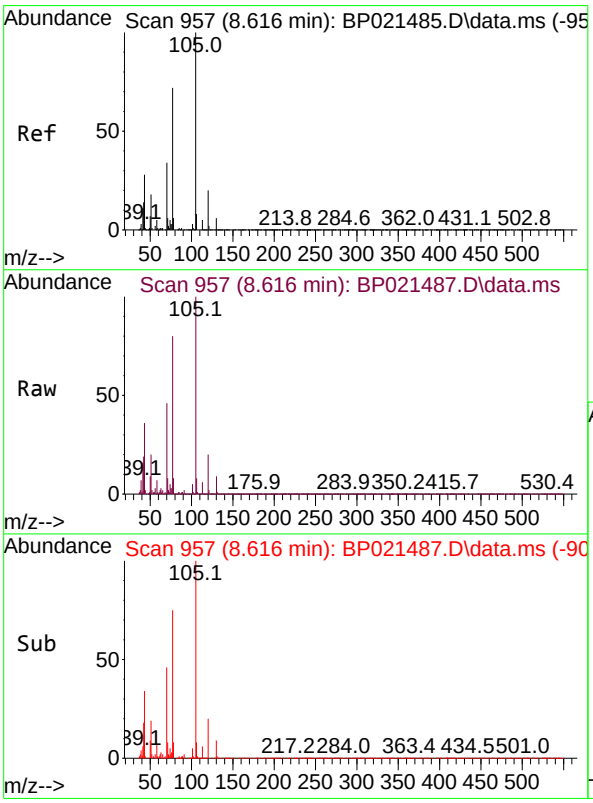
Tgt Ion:136 Resp: 153921

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.1	6.3	9.5
68	8.5	6.8	10.2

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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

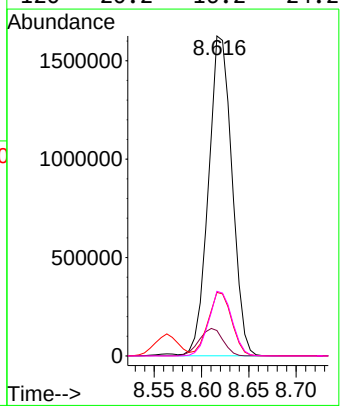


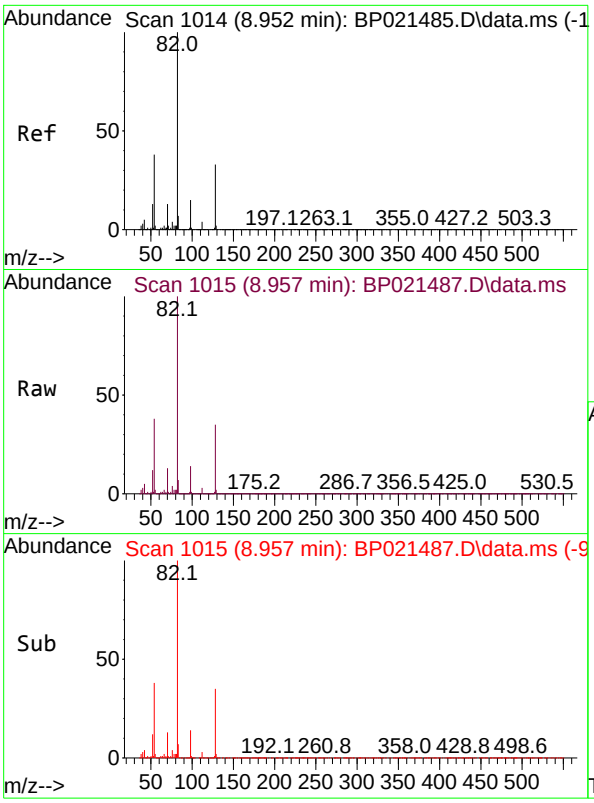


#22
Acetophenone
Concen: 59.500 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:105 Resp: 2813557

Ion	Ratio	Lower	Upper
105	100		
71	8.0	4.6	7.0#
51	19.9	16.3	24.5
120	20.2	16.2	24.2

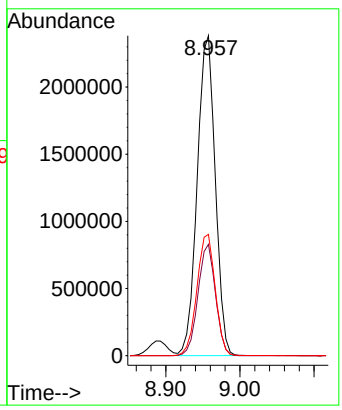




#23
Nitrobenzene-d5
Concen: 134.966 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 82 Resp: 402482

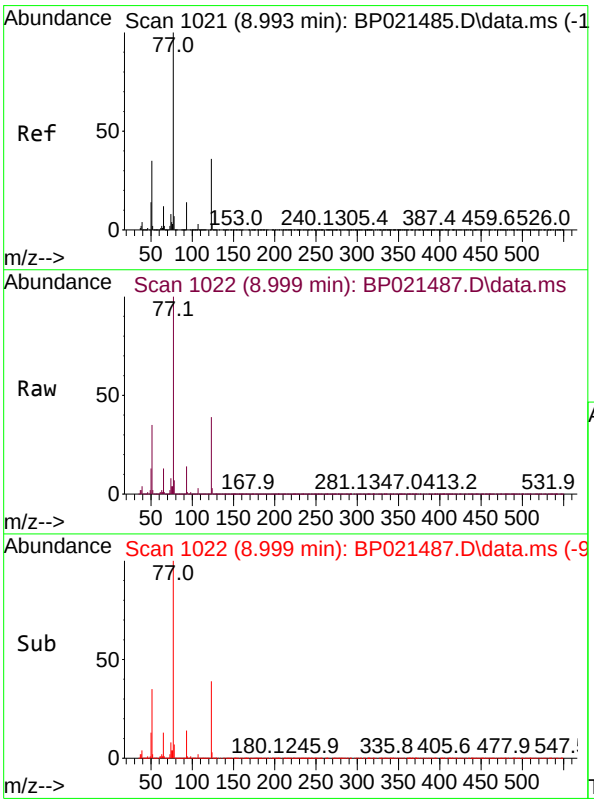
Ion	Ratio	Lower	Upper
82	100		
128	34.8	26.5	39.7
54	37.9	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

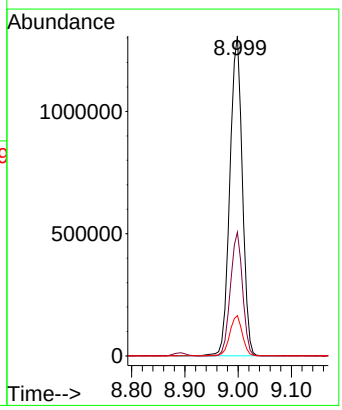
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

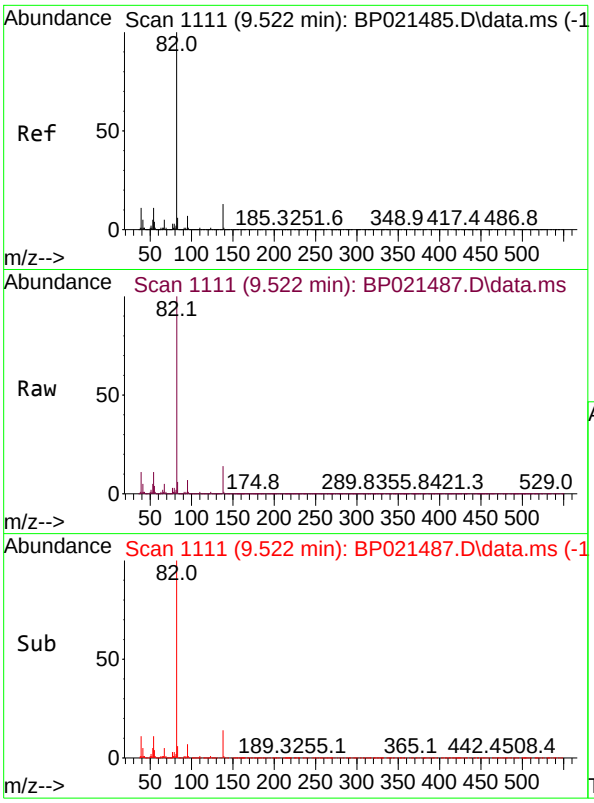


#24
Nitrobenzene
Concen: 65.650 ng
RT: 8.999 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 77 Resp: 2126322

Ion	Ratio	Lower	Upper
77	100		
123	38.7	29.5	44.3
65	12.6	9.9	14.9





#25
Isophorone
Concen: 58.086 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

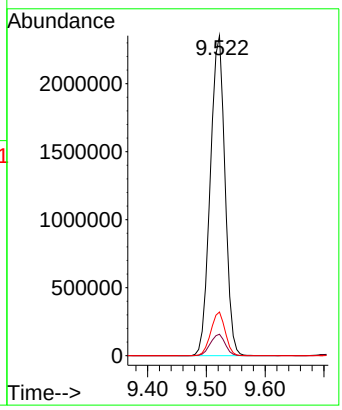
Tgt Ion: 82 Resp: 409221

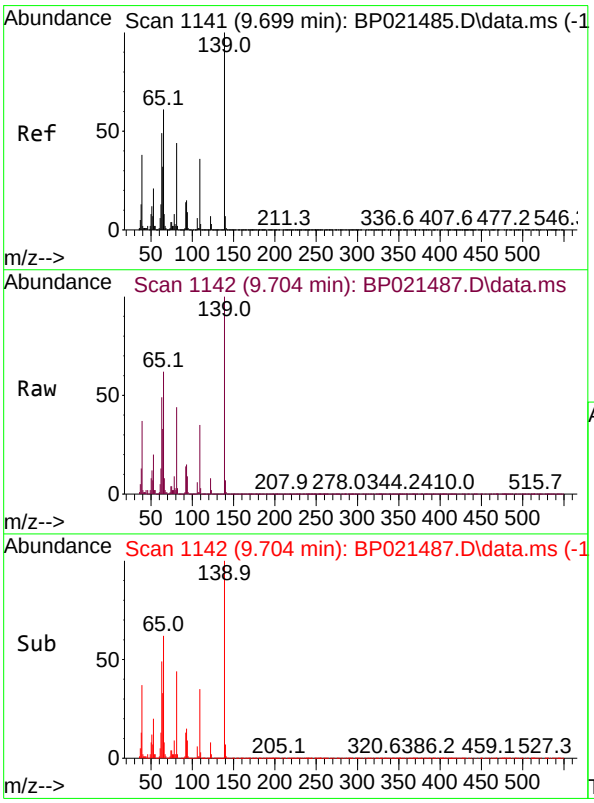
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.6	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

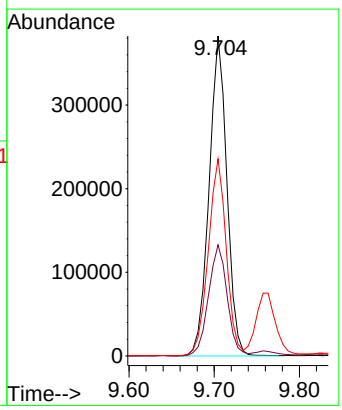


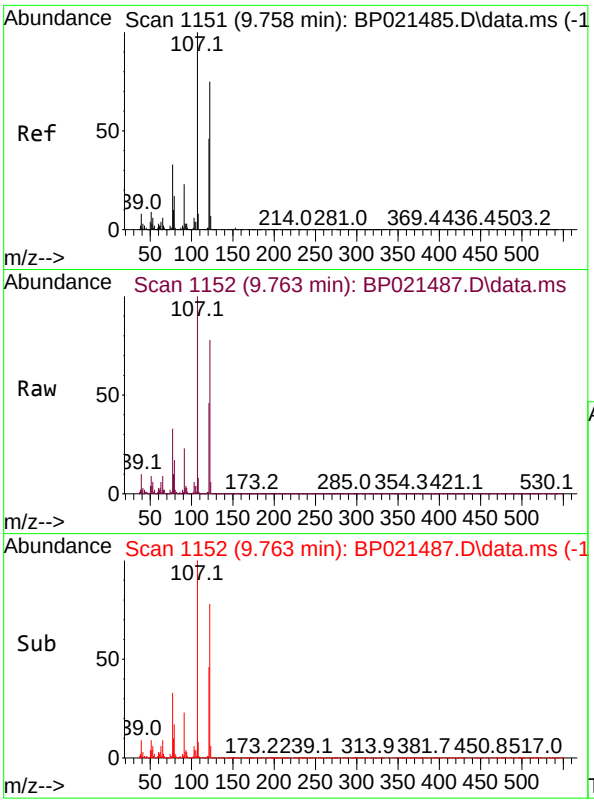


#26
2-Nitrophenol
Concen: 60.117 ng
RT: 9.704 min Scan# 1142
Delta R.T. 0.005 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:139 Resp: 554873

Ion	Ratio	Lower	Upper
139	100		
109	34.7	28.9	43.3
65	61.6	49.0	73.6

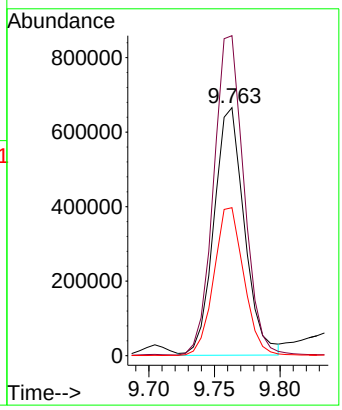




#27
2,4-Dimethylphenol
Concen: 61.792 ng
RT: 9.763 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:122 Resp: 107433

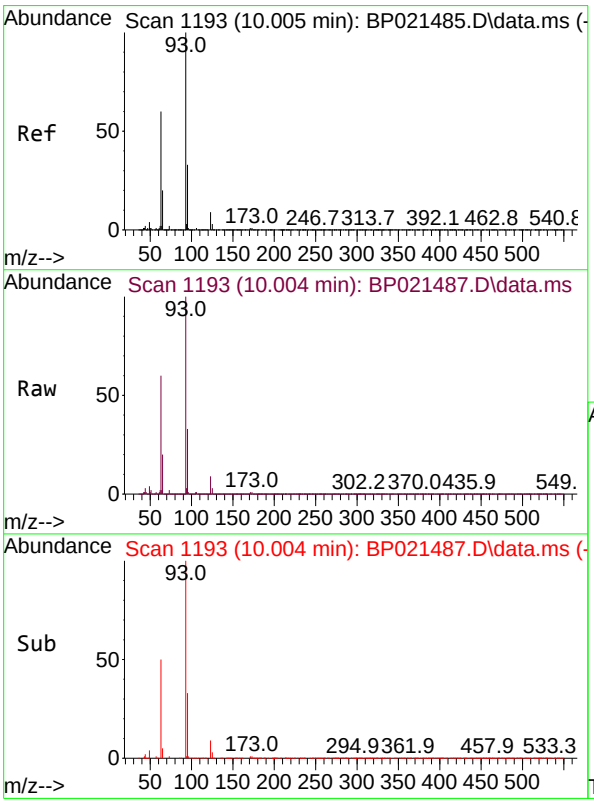
Ion	Ratio	Lower	Upper
122	100		
107	129.0	106.2	159.4
121	59.7	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

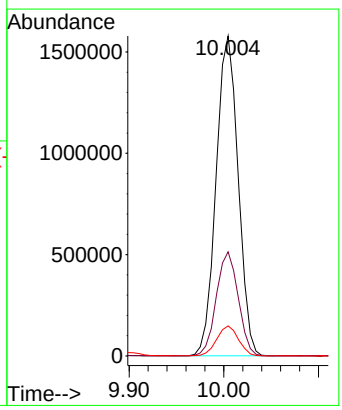
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

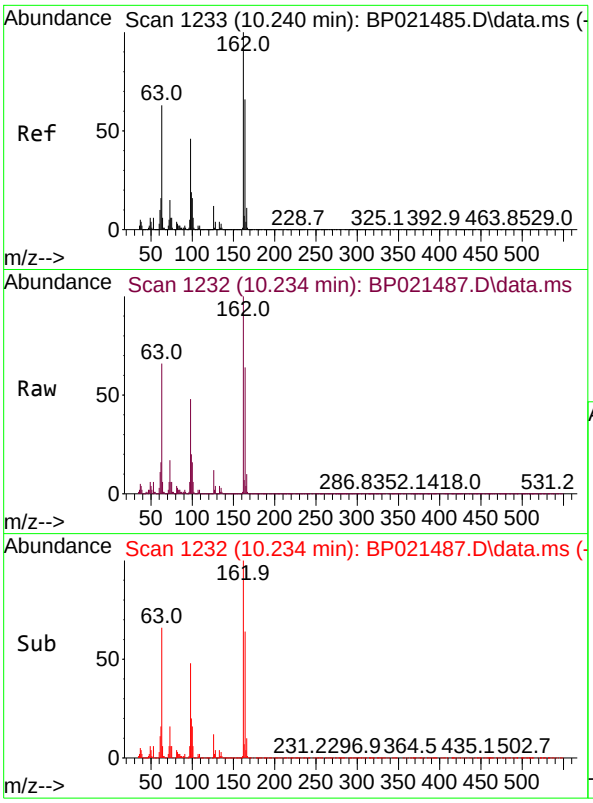


#28
bis(2-Chloroethoxy)methane
Concen: 59.443 ng
RT: 10.004 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 93 Resp: 2556281

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	9.4	7.6	11.4

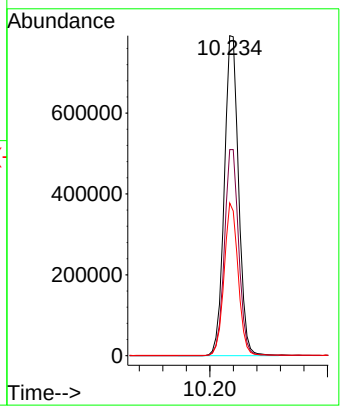




#29
2,4-Dichlorophenol
Concen: 64.829 ng
RT: 10.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:162 Resp: 133174

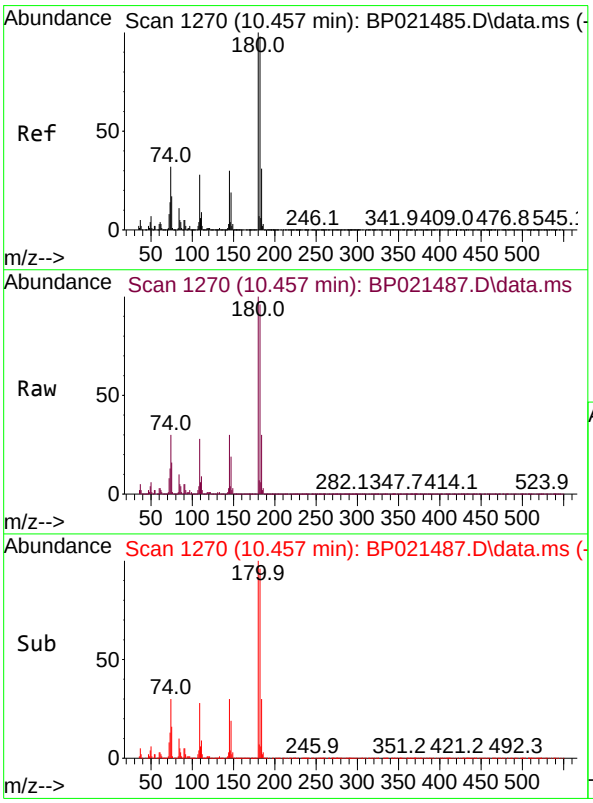
Ion	Ratio	Lower	Upper
162	100		
164	64.4	45.9	85.9
98	47.7	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

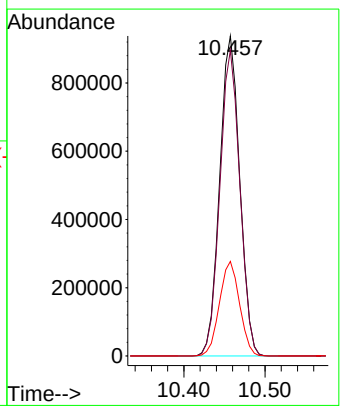
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

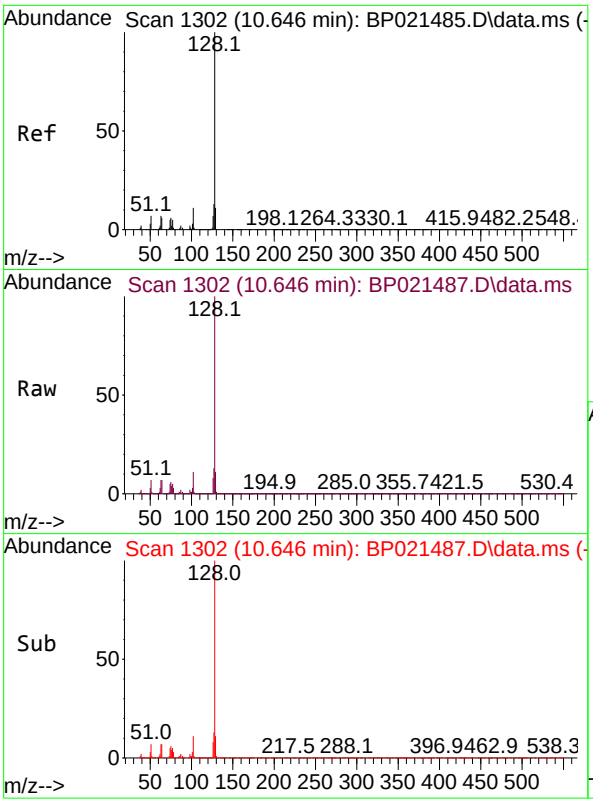


#30
1,2,4-Trichlorobenzene
Concen: 61.128 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:180 Resp: 1609924

Ion	Ratio	Lower	Upper
180	100		
182	95.5	78.3	117.5
145	29.5	24.0	36.0

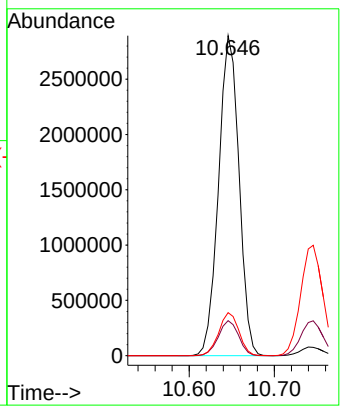




#31
Naphthalene
Concen: 60.059 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:128 Resp: 482927

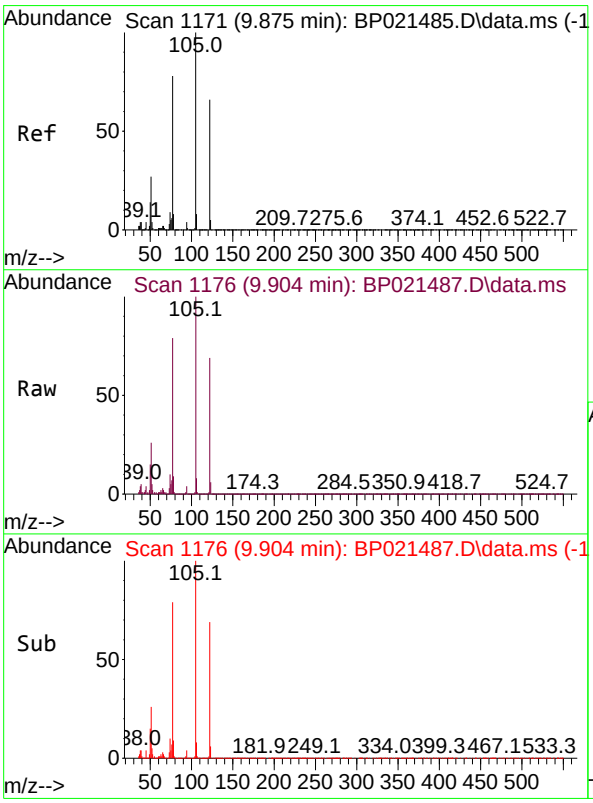
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.4	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

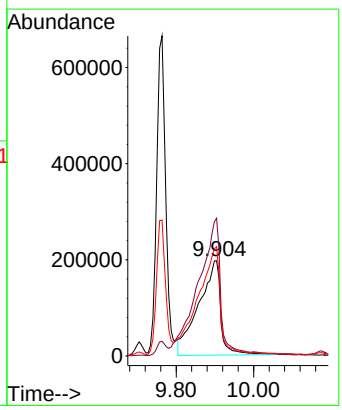
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

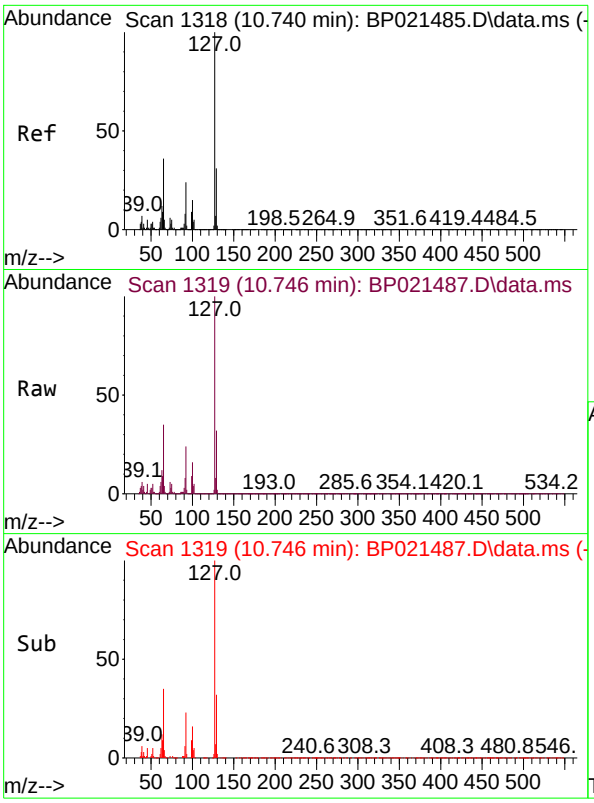


#32
Benzoic acid
Concen: 61.192 ng
RT: 9.904 min Scan# 1176
Delta R.T. 0.029 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:122 Resp: 775935

Ion	Ratio	Lower	Upper
122	100		
105	144.5	124.6	164.6
77	114.7	96.2	136.2

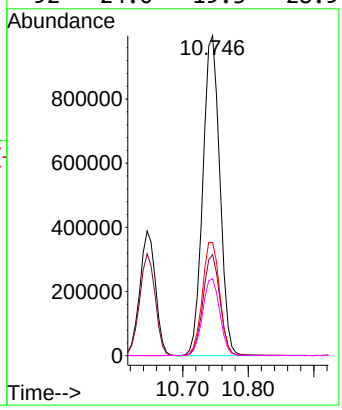




#33
4-Chloroaniline
Concen: 59.532 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:127 Resp: 179812

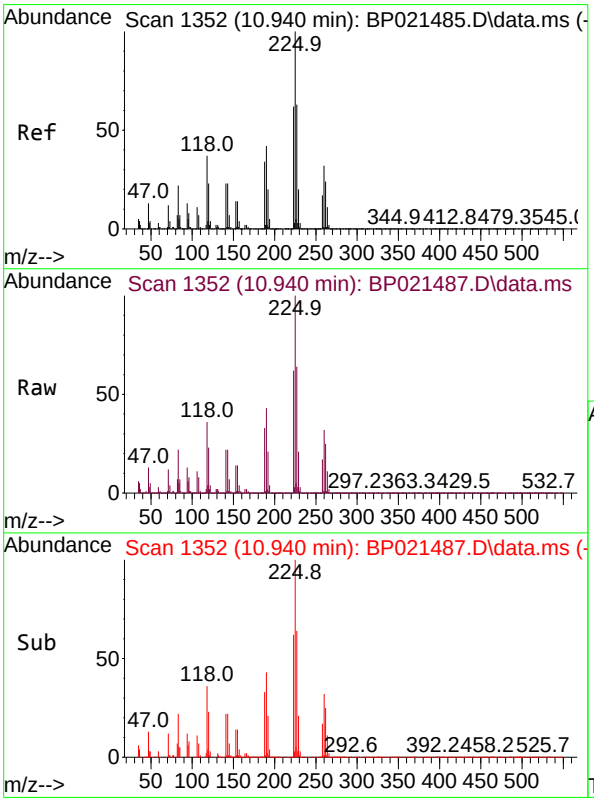
Ion	Ratio	Lower	Upper
127	100		
129	31.6	24.5	36.7
65	35.4	28.9	43.3
92	24.0	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

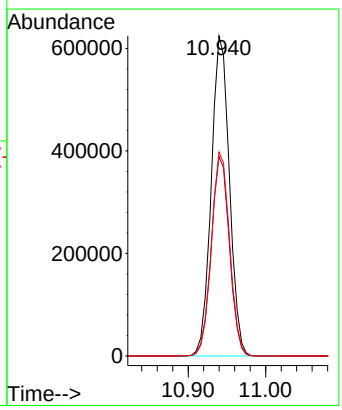
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

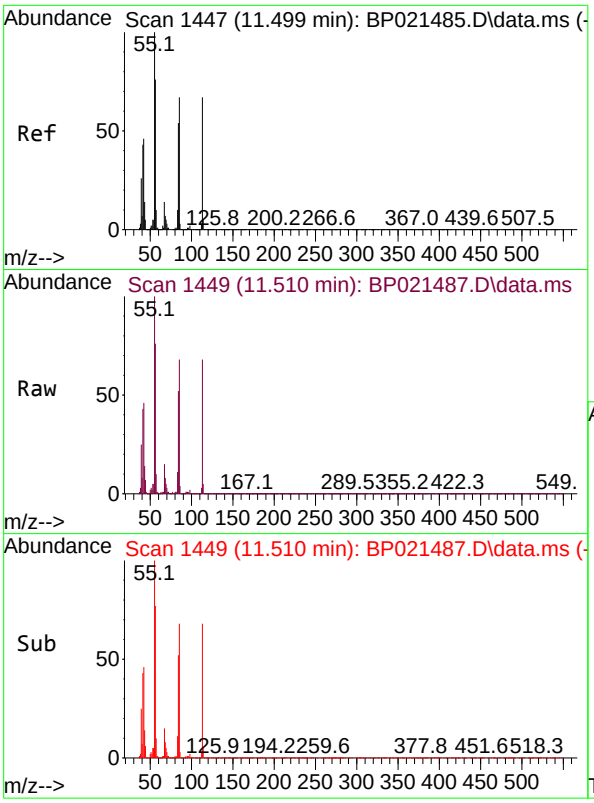


#34
Hexachlorobutadiene
Concen: 61.008 ng
RT: 10.940 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:225 Resp: 1011679

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.6	74.4
227	63.7	50.1	75.1

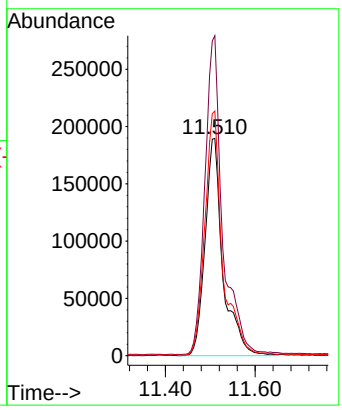




#35
Caprolactam
Concen: 61.084 ng
RT: 11.510 min Scan# 14
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:113 Resp: 52223

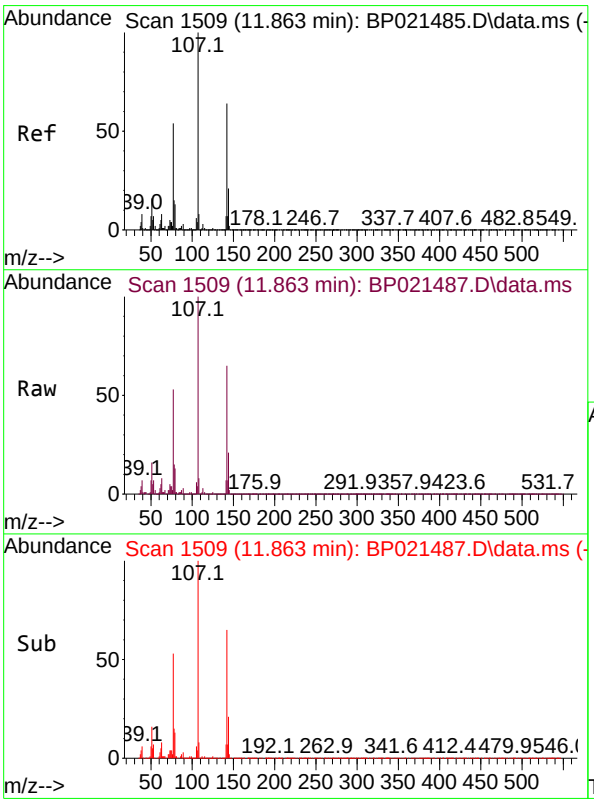
Ion	Ratio	Lower	Upper
113	100		
55	147.3	130.6	170.6
56	112.6	94.6	134.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

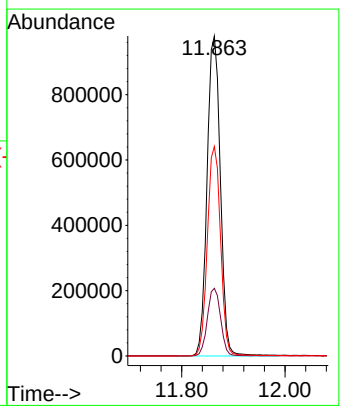
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

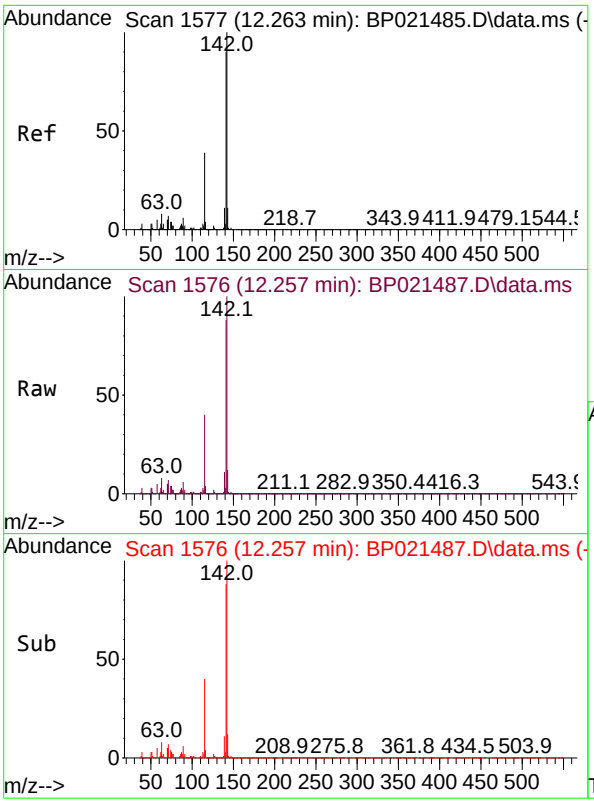


#36
4-Chloro-3-methylphenol
Concen: 61.283 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:107 Resp: 1746318

Ion	Ratio	Lower	Upper
107	100		
144	21.1	16.6	24.8
142	65.4	51.0	76.4

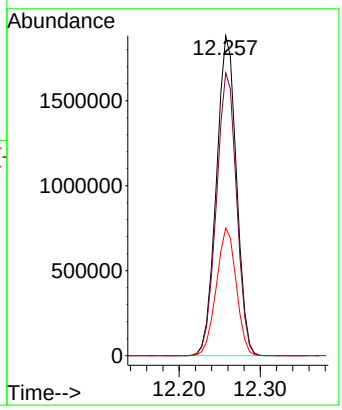




#37
2-Methylnaphthalene
Concen: 59.003 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:142 Resp: 323804

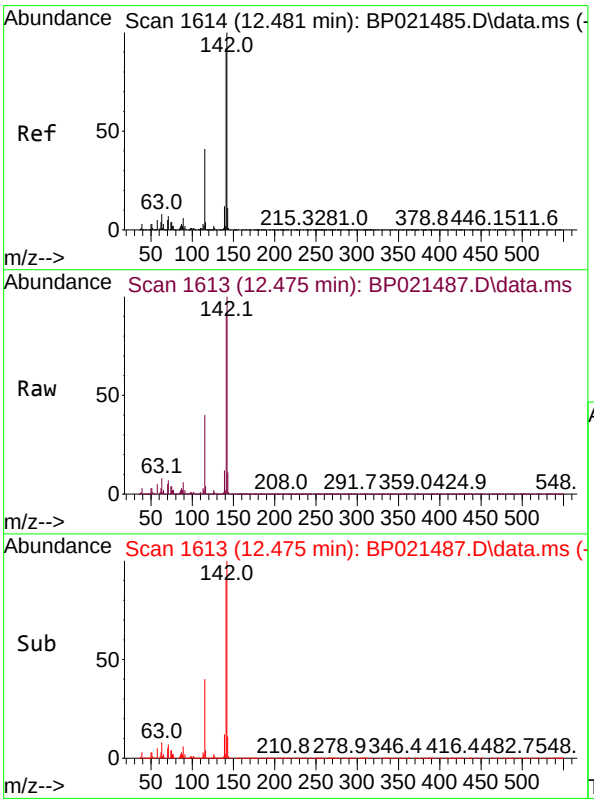
Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.7	107.5
115	39.9	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

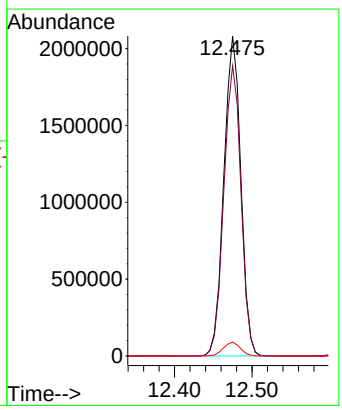
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

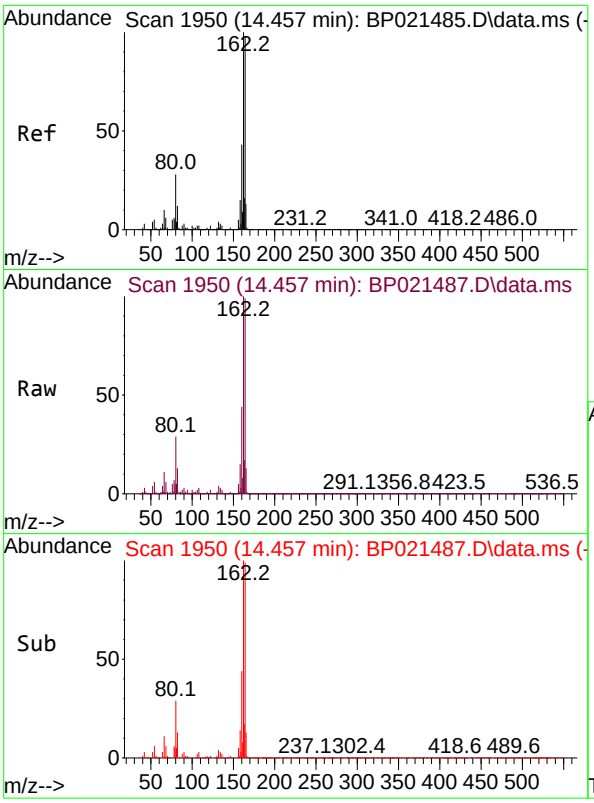


#38
1-Methylnaphthalene
Concen: 58.451 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:142 Resp: 3163697

Ion	Ratio	Lower	Upper
142	100		
141	90.7	73.5	110.3
116	4.4	3.4	5.2

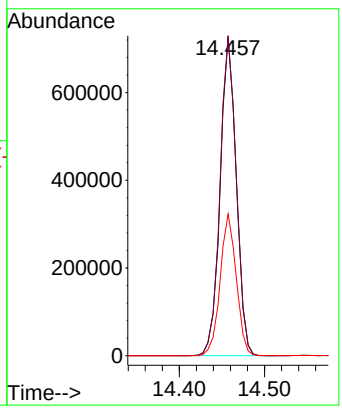




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:164 Resp: 95319

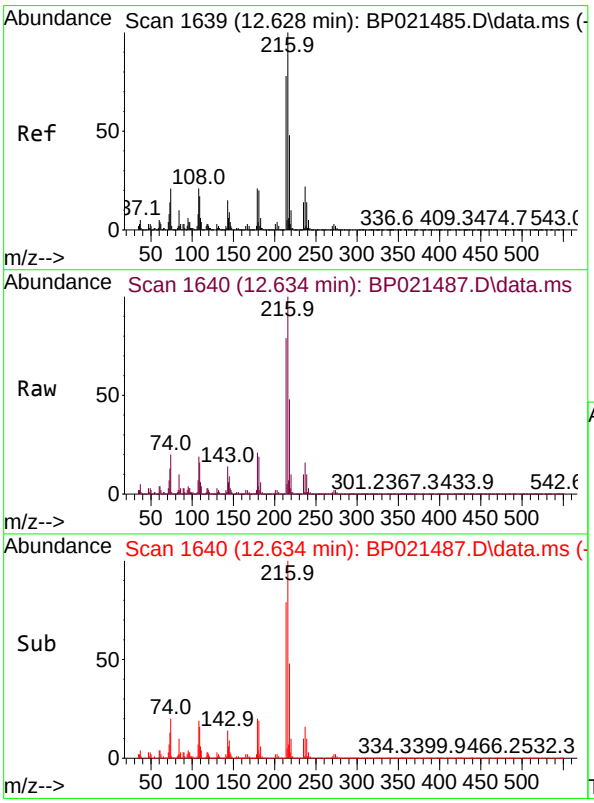
Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.5	122.3
160	44.6	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

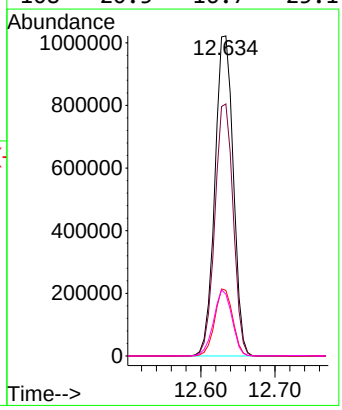
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

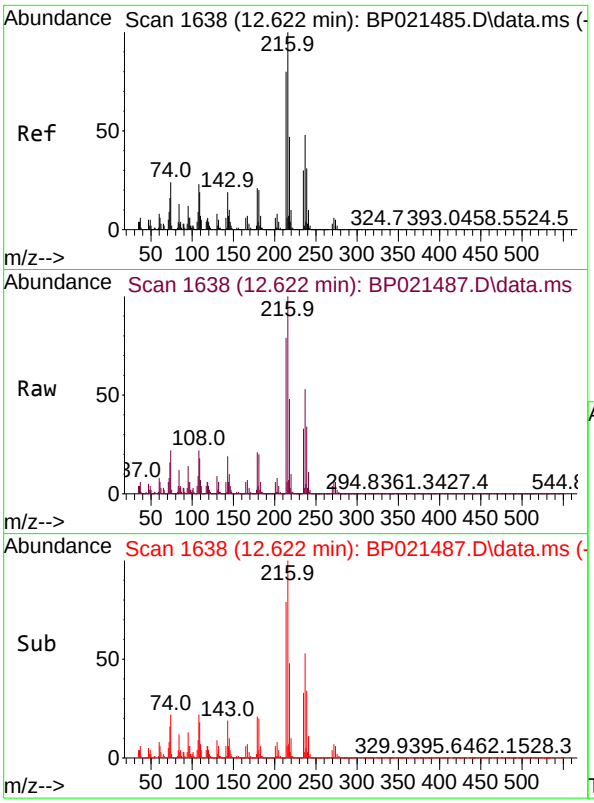


#40
1,2,4,5-Tetrachlorobenzene
Concen: 63.107 ng
RT: 12.634 min Scan# 1640
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:216 Resp: 1762492

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.5	93.7
179	20.4	16.4	24.6
108	20.5	16.7	25.1

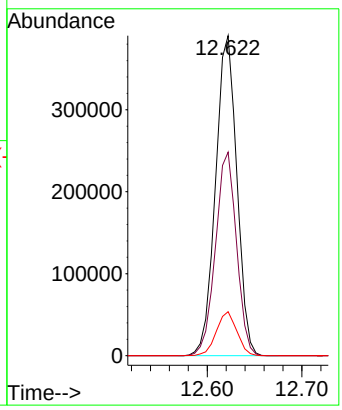




#41
Hexachlorocyclopentadiene
Concen: 69.006 ng
RT: 12.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:237 Resp: 61082

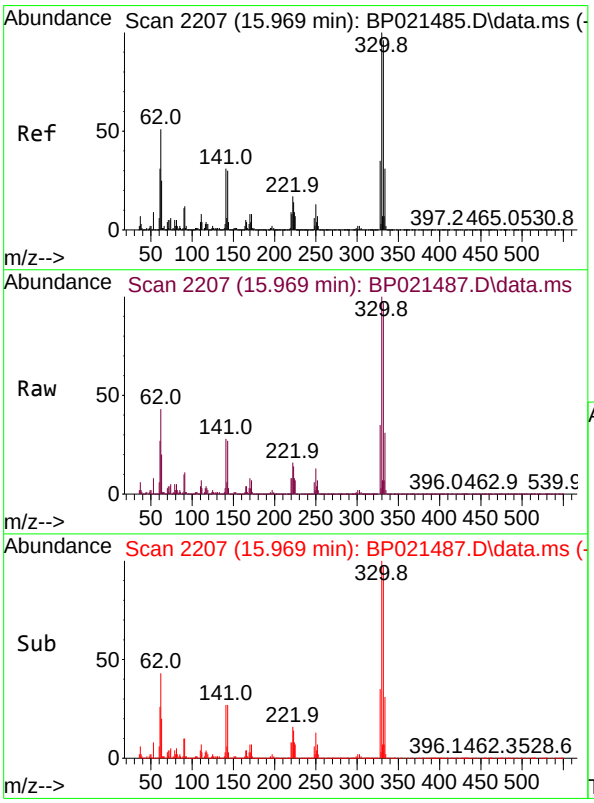
Ion	Ratio	Lower	Upper
237	100		
235	63.6	43.9	83.9
272	13.7	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

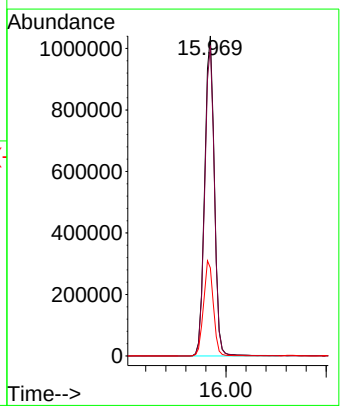
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

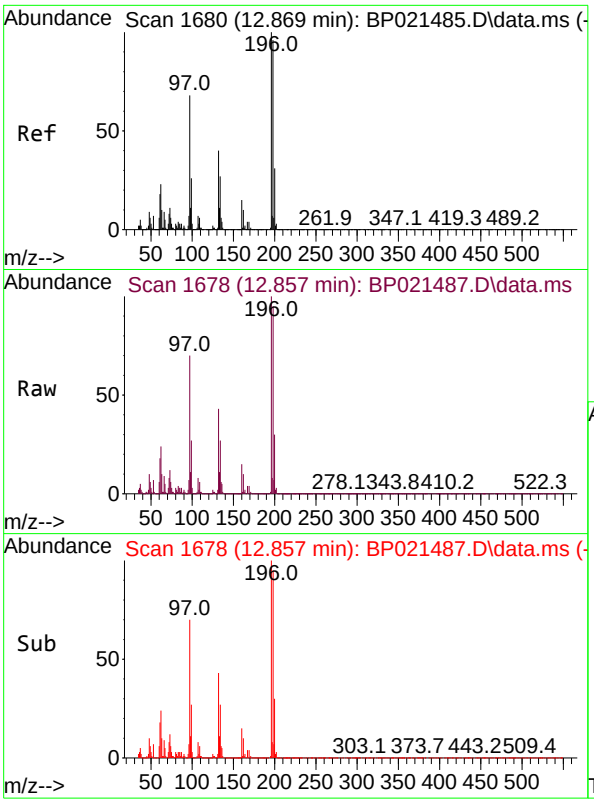


#42
2,4,6-Tribromophenol
Concen: 132.067 ng
RT: 15.969 min Scan# 2207
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:330 Resp: 1401053

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	29.9	24.5	36.7





#43
2,4,6-Trichlorophenol
Concen: 67.687 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

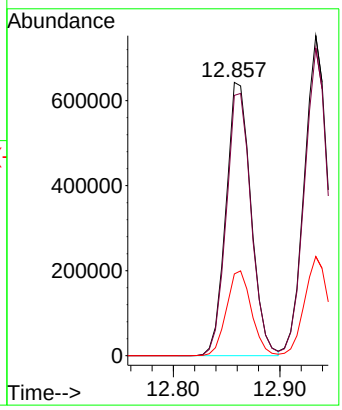
Tgt Ion:196 Resp: 105009

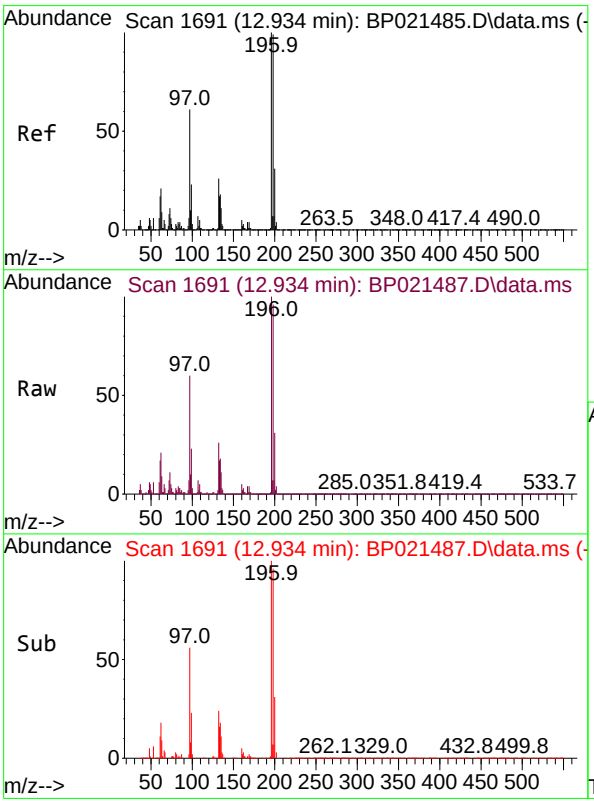
Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.6	114.8
200	29.9	24.5	36.7

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

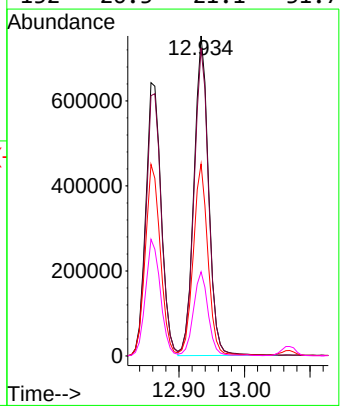


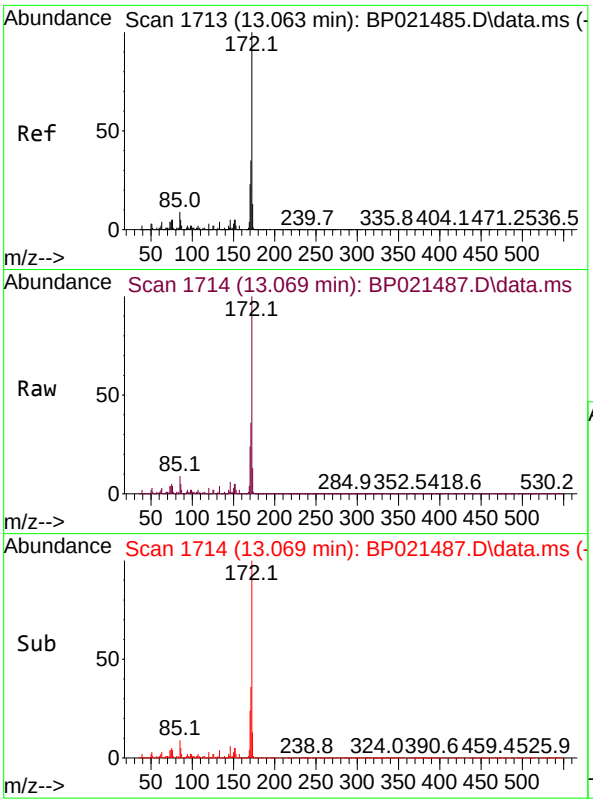


#44
2,4,5-Trichlorophenol
Concen: 67.609 ng
RT: 12.934 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:196 Resp: 1165351

Ion	Ratio	Lower	Upper
196	100		
198	96.1	78.9	118.3
97	60.0	49.4	74.0
132	26.3	21.1	31.7

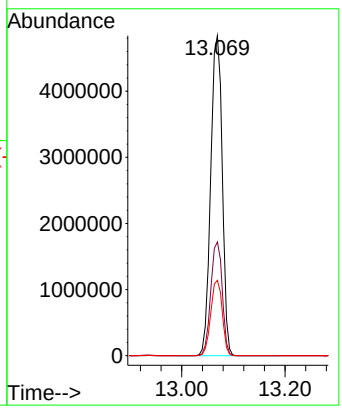




#45
2-Fluorobiphenyl
Concen: 119.833 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:172 Resp: 748443

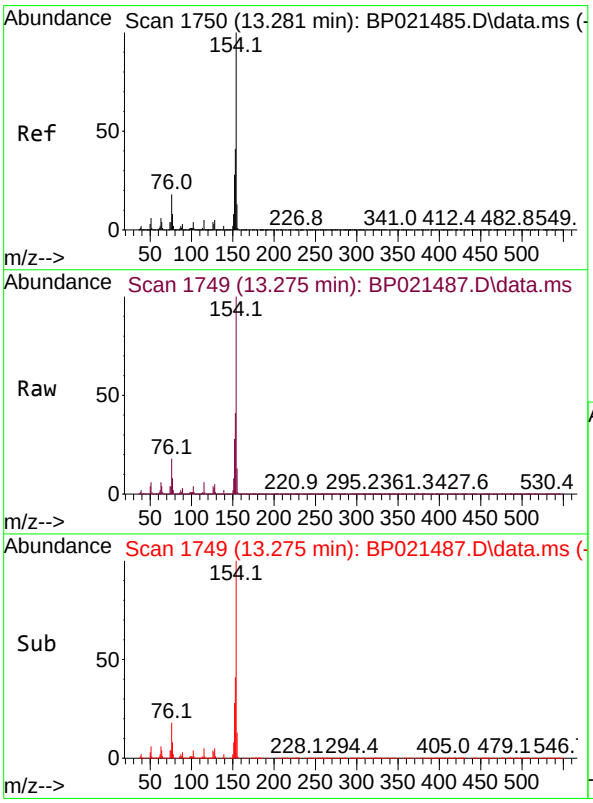
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	23.5	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

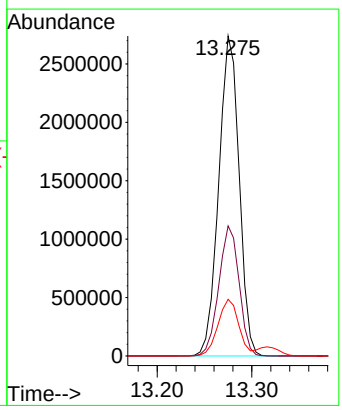
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

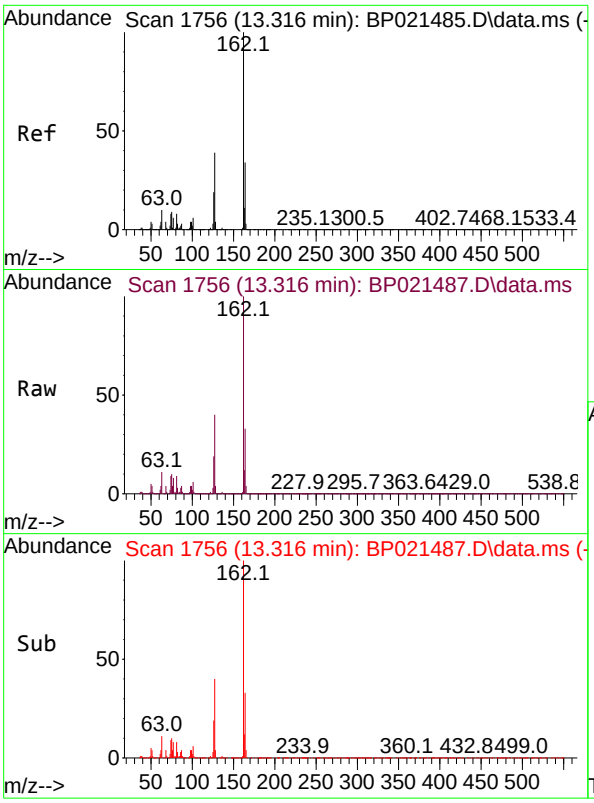


#46
1,1'-Biphenyl
Concen: 60.754 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:154 Resp: 4097218

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.7	60.7
76	17.7	0.0	37.7

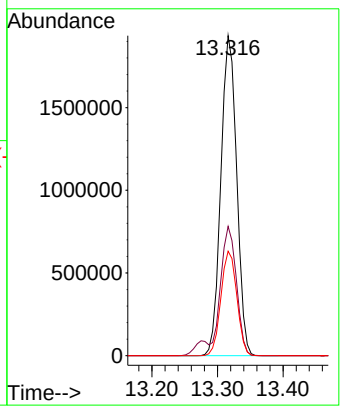




#47
2-Chloronaphthalene
Concen: 61.498 ng
RT: 13.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:162 Resp: 322886

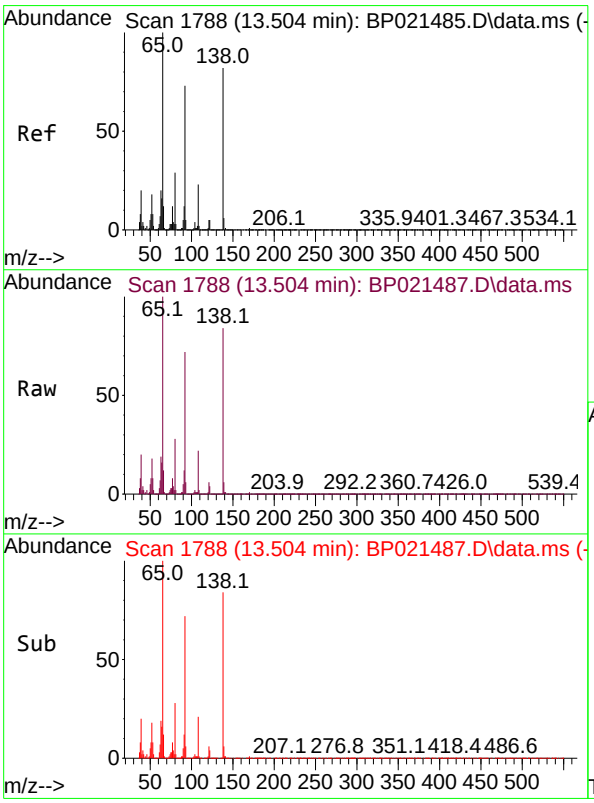
Ion	Ratio	Lower	Upper
162	100		
127	40.4	31.9	47.9
164	32.7	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

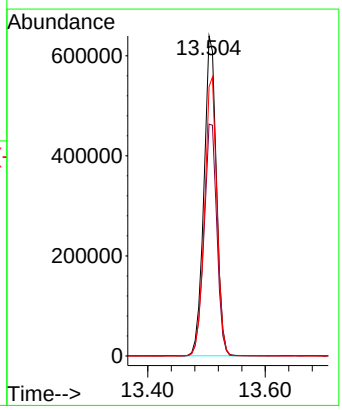
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

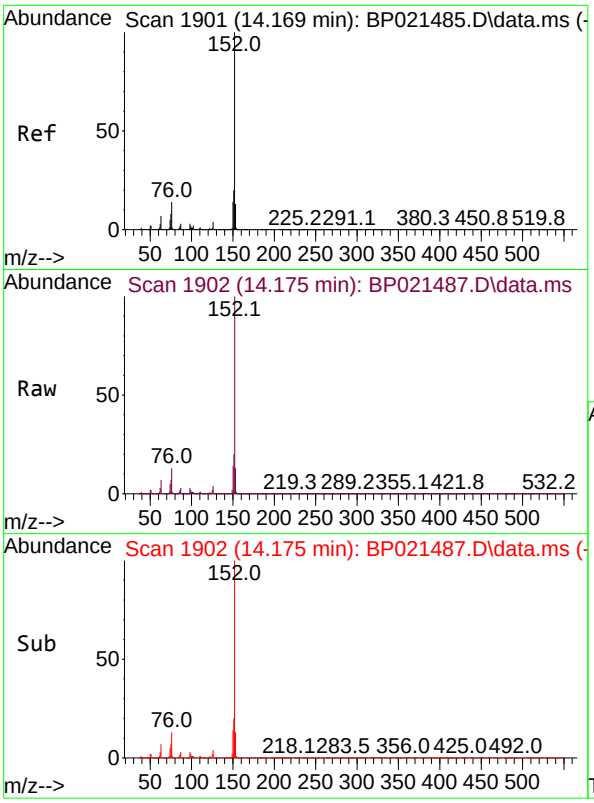


#48
2-Nitroaniline
Concen: 62.204 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 65 Resp: 940456

Ion	Ratio	Lower	Upper
65	100		
92	72.4	58.1	87.1
138	84.1	65.5	98.3

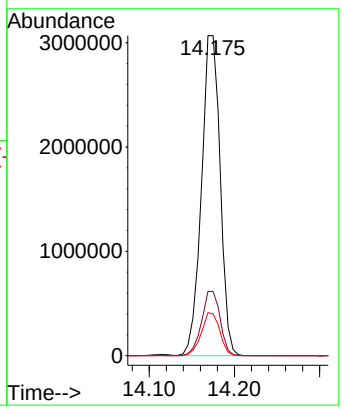




#49
Acenaphthylene
Concen: 60.501 ng
RT: 14.175 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:152 Resp: 466964

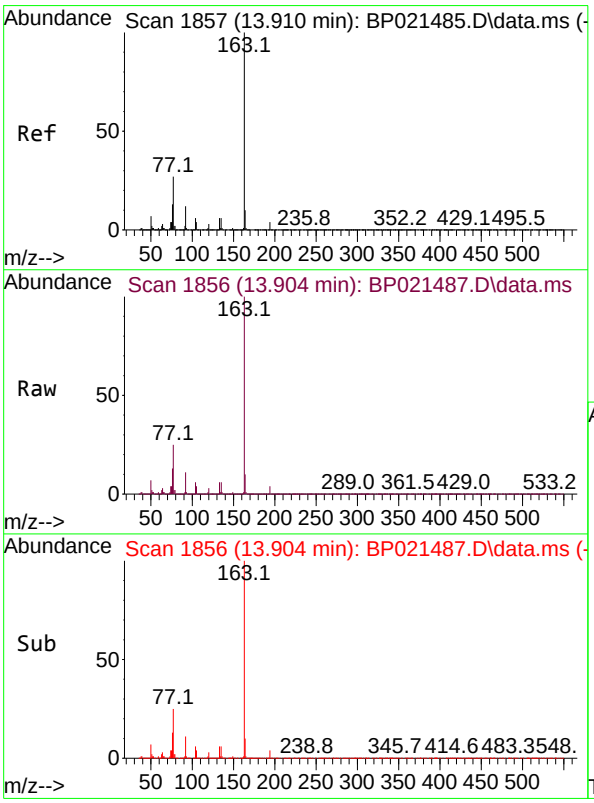
Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
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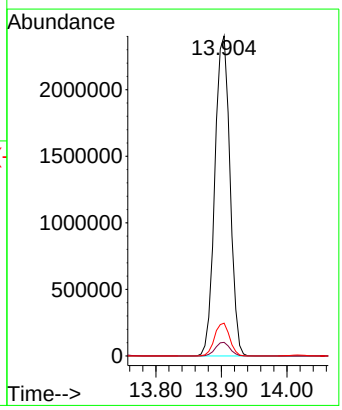
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

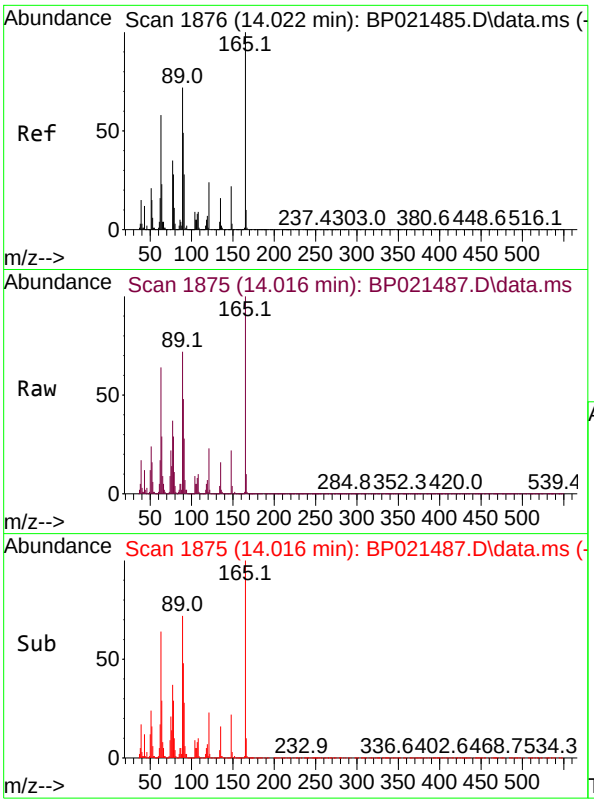


#50
Dimethylphthalate
Concen: 60.041 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:163 Resp: 3832687

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.2	8.3	12.5

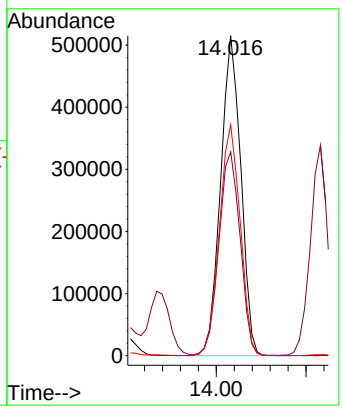




#51
2,6-Dinitrotoluene
Concen: 61.336 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:165 Resp: 80545

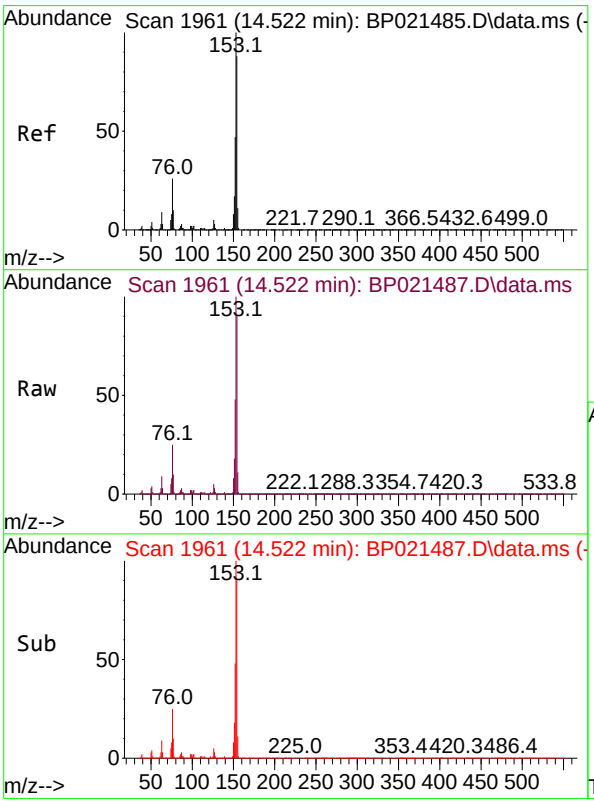
Ion	Ratio	Lower	Upper
165	100		
63	63.7	51.5	77.3
89	72.1	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

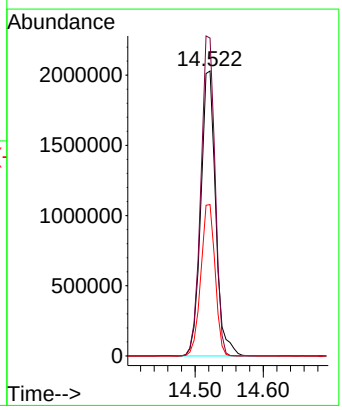
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

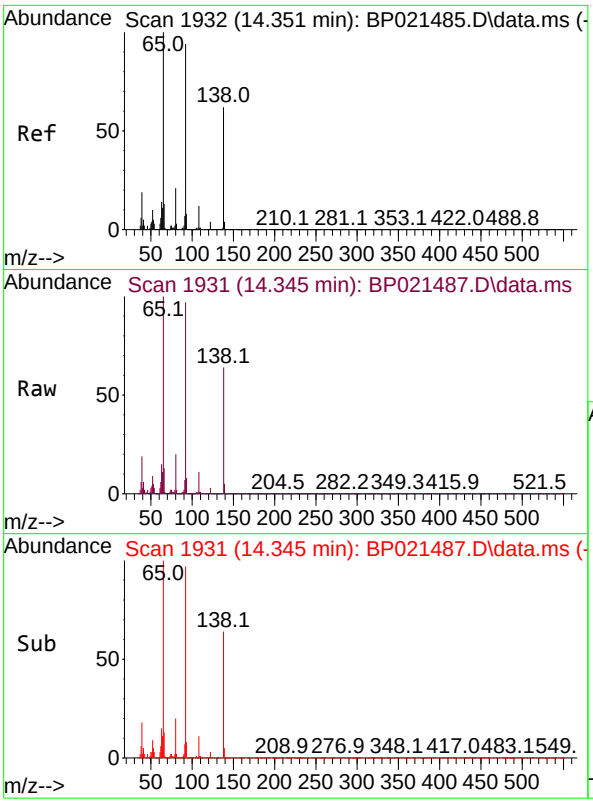


#52
Acenaphthene
Concen: 60.546 ng
RT: 14.522 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:154 Resp: 3066208

Ion	Ratio	Lower	Upper
154	100		
153	111.6	91.1	136.7
152	53.1	43.0	64.4

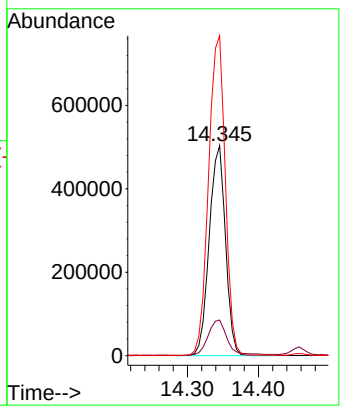




#53
3-Nitroaniline
Concen: 61.781 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:138 Resp: 79790

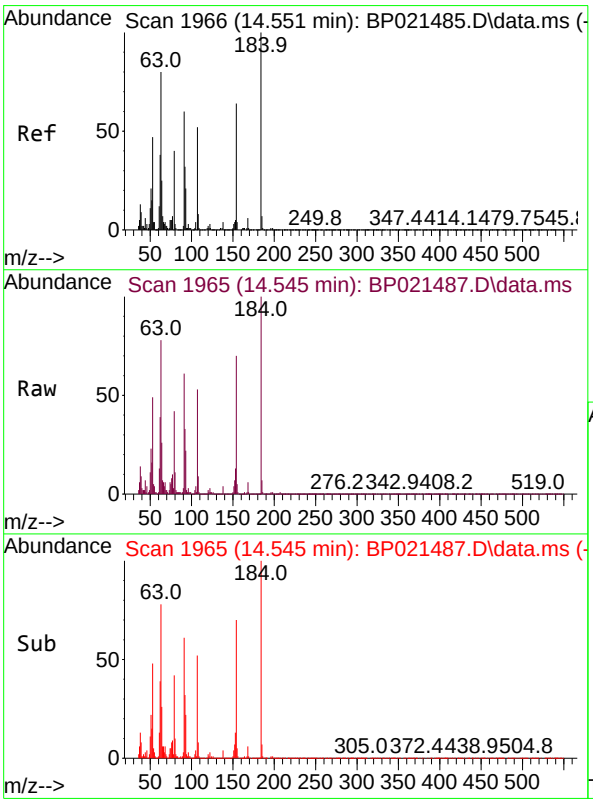
Ion	Ratio	Lower	Upper
138	100		
108	17.0	16.2	24.4
92	152.3	122.2	183.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

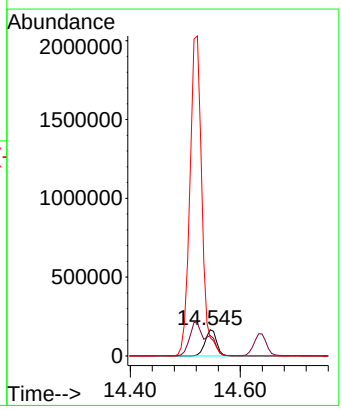
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

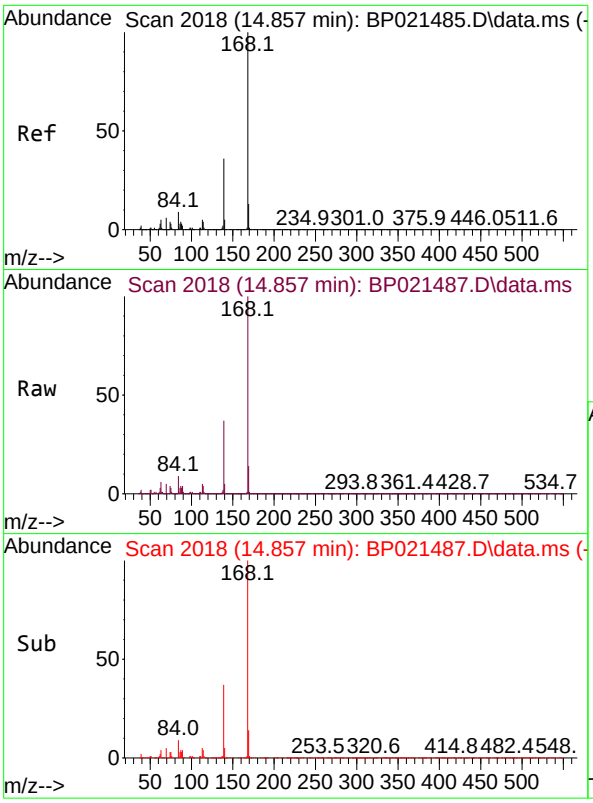


#54
2,4-Dinitrophenol
Concen: 61.764 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:184 Resp: 242951

Ion	Ratio	Lower	Upper
184	100		
63	77.9	64.9	97.3
154	70.2	52.1	78.1

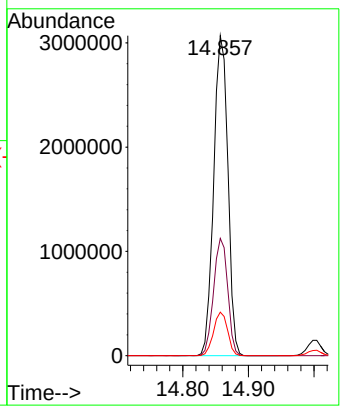




#55
Dibenzofuran
Concen: 58.970 ng
RT: 14.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:168 Resp: 459408

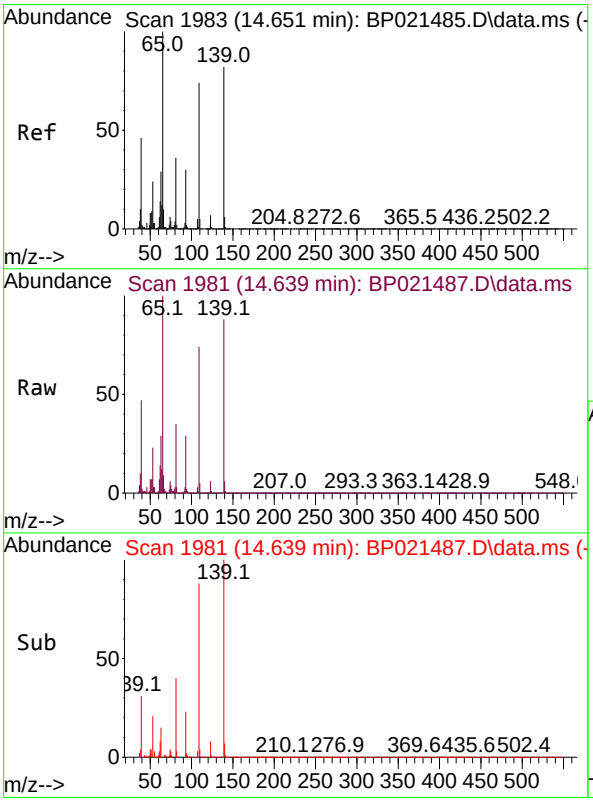
Ion	Ratio	Lower	Upper
168	100		
139	36.7	28.6	43.0
169	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

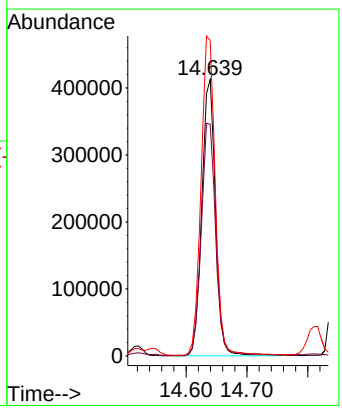
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

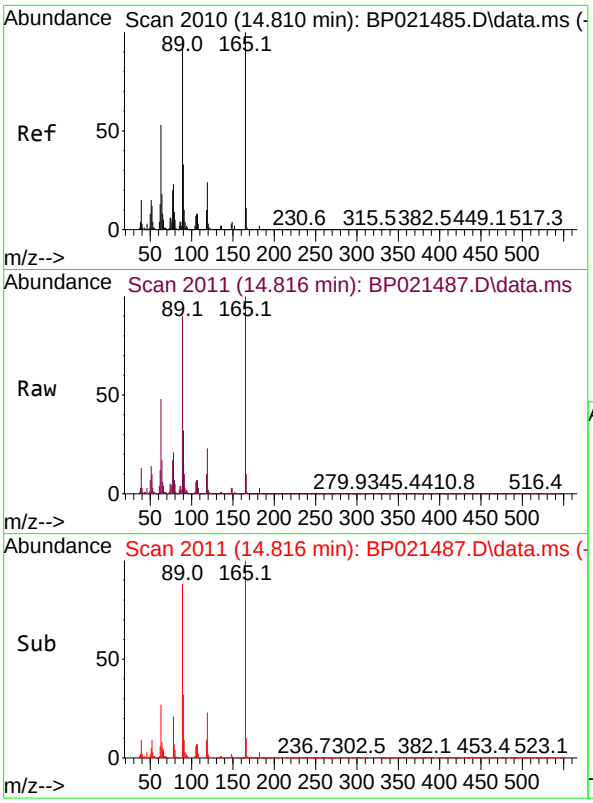


#56
4-Nitrophenol
Concen: 62.066 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:139 Resp: 644221

Ion	Ratio	Lower	Upper
139	100		
109	83.8	70.2	110.2
65	114.0	101.8	141.8

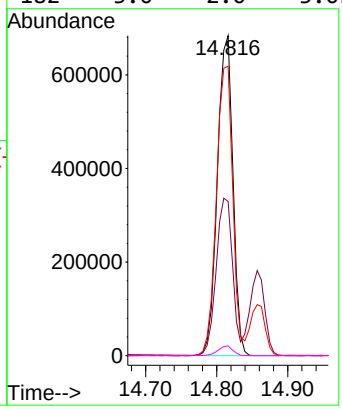




#57
2,4-Dinitrotoluene
Concen: 61.548 ng
RT: 14.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

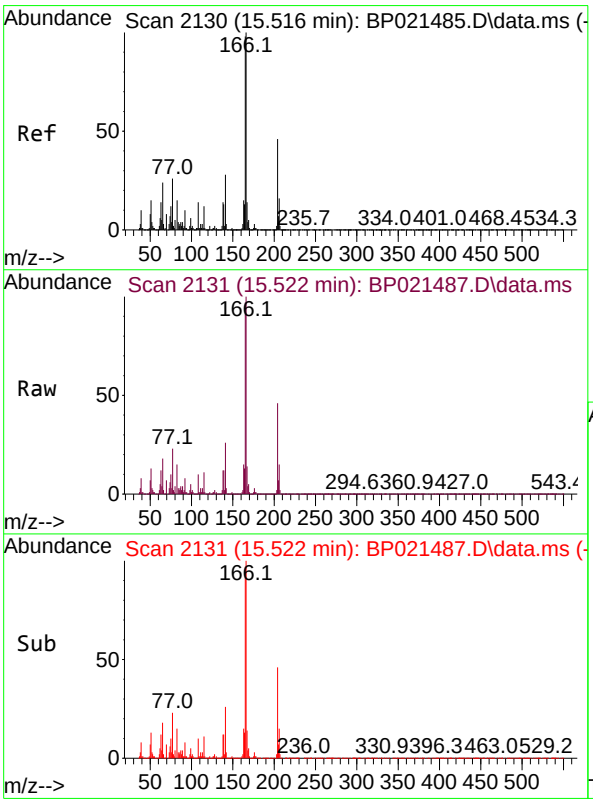
Tgt Ion:165 Resp: 103406

Ion	Ratio	Lower	Upper
165	100		
63	48.2	42.5	63.7
89	90.5	77.1	115.7
182	3.0	2.0	3.0#



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

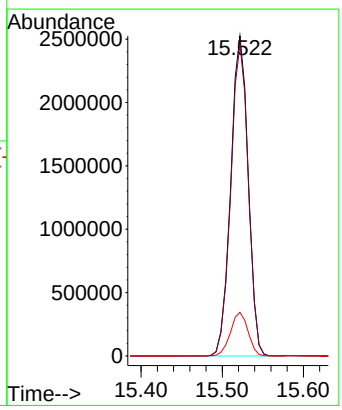
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

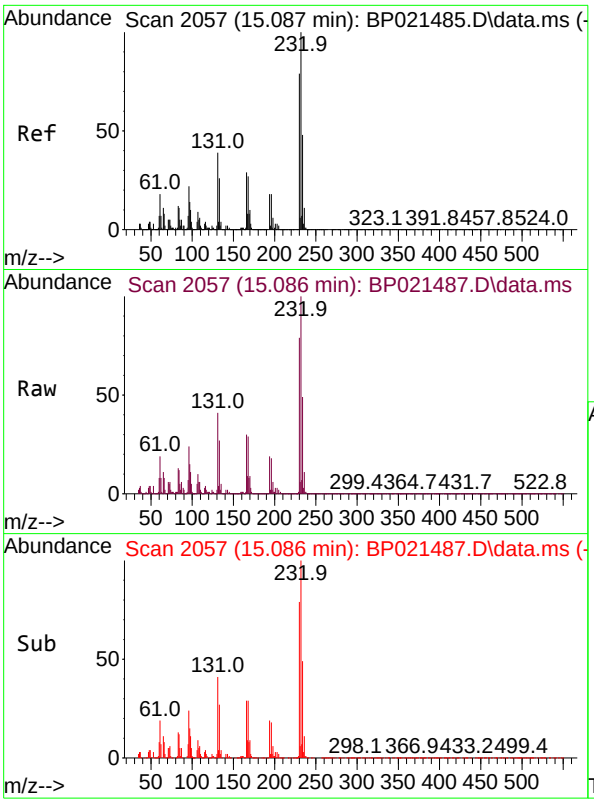


#58
Fluorene
Concen: 58.748 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:166 Resp: 3759913

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.1	117.1
167	13.6	11.0	16.4

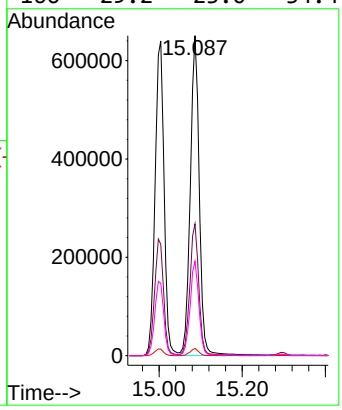




#59
2,3,4,6-Tetrachlorophenol
Concen: 66.550 ng
RT: 15.086 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:232 Resp: 97364

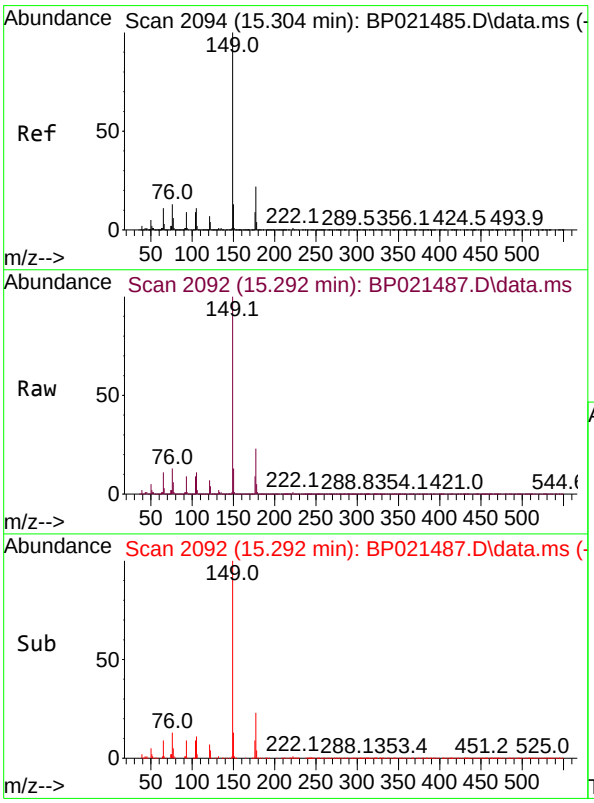
Ion	Ratio	Lower	Upper
232	100		
131	41.0	33.1	49.7
130	2.2	1.7	2.5
166	29.2	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

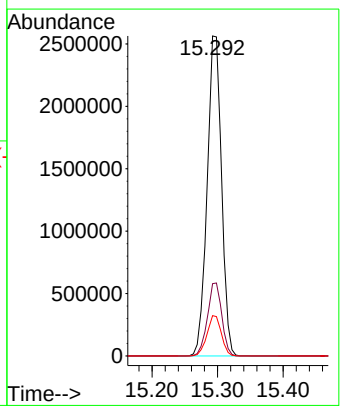
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

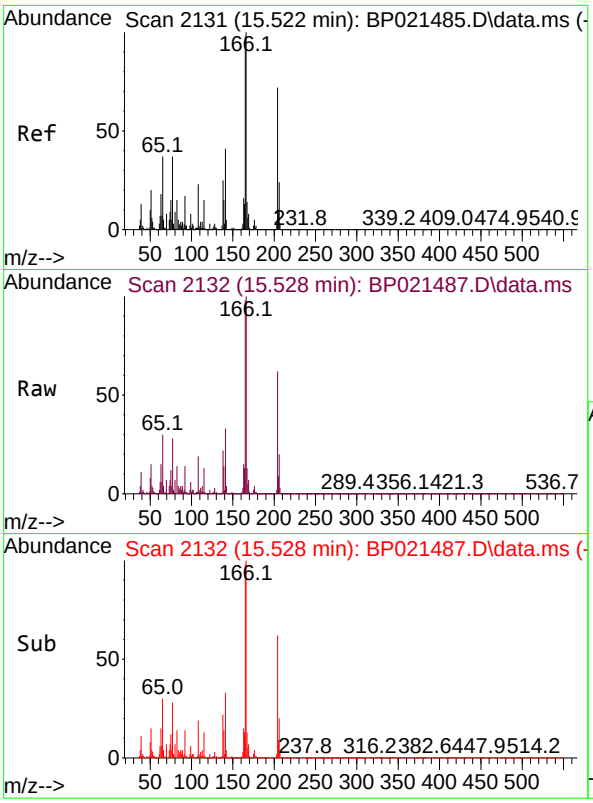


#60
Diethylphthalate
Concen: 59.713 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 3911032

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.8	26.8
150	12.6	10.1	15.1

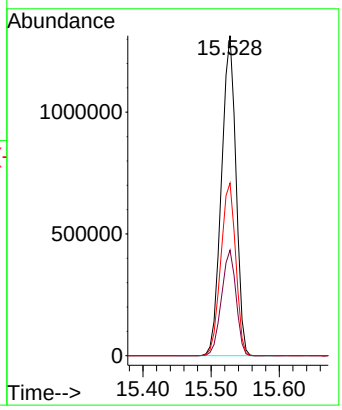




#61
4-Chlorophenyl-phenylether
Concen: 58.814 ng
RT: 15.528 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:204 Resp: 194571

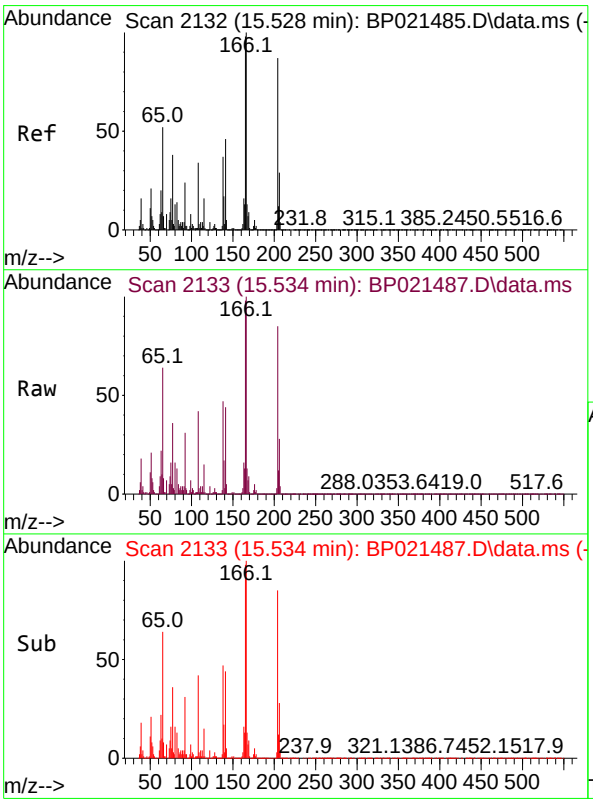
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	53.9	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

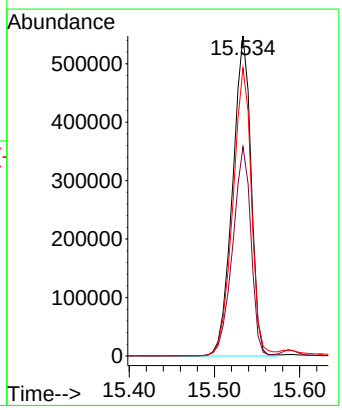
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

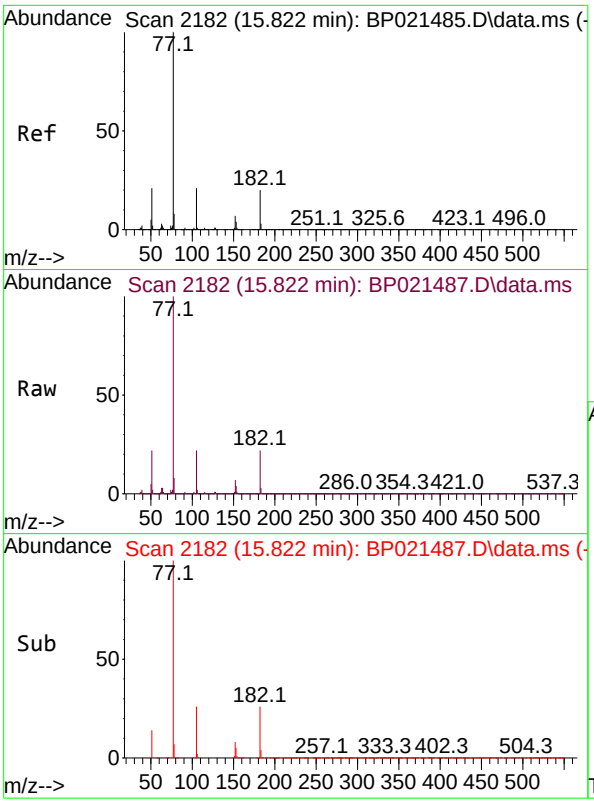


#62
4-Nitroaniline
Concen: 62.407 ng
RT: 15.534 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:138 Resp: 824354

Ion	Ratio	Lower	Upper
138	100		
92	65.4	46.4	86.4
108	90.0	73.2	113.2

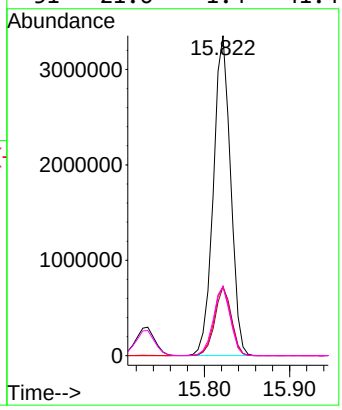




#63
Azobenzene
Concen: 58.524 ng
RT: 15.822 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 77 Resp: 471182

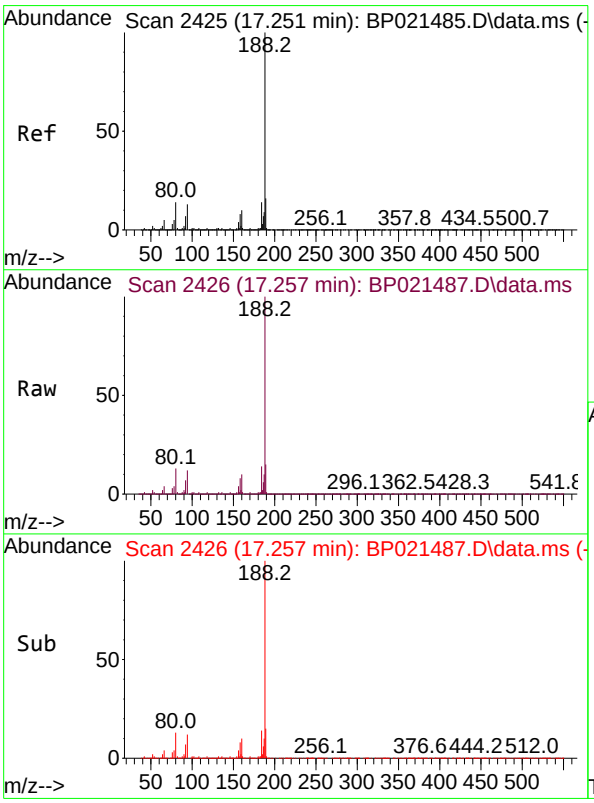
Ion	Ratio	Lower	Upper
77	100		
182	21.5	0.0	39.9
105	21.6	0.9	40.9
51	21.6	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

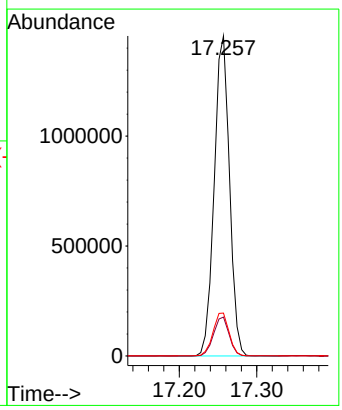
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

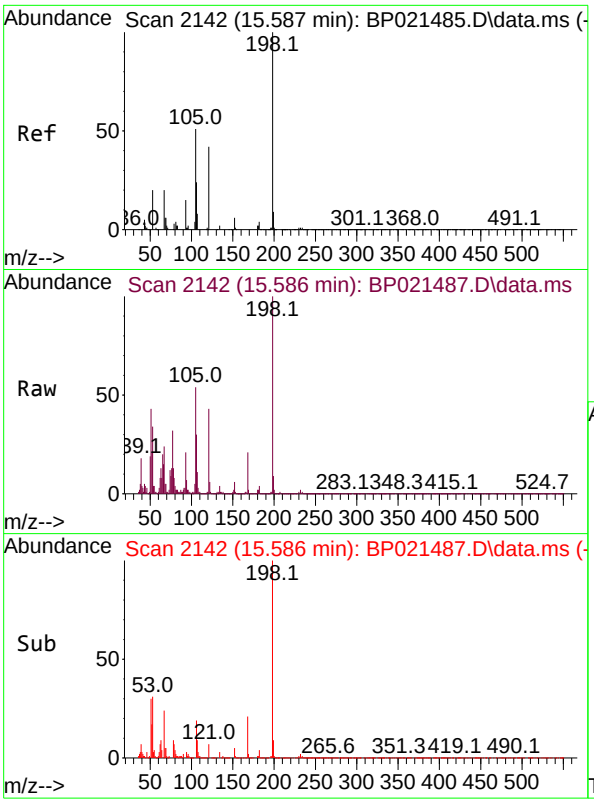


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:188 Resp: 1991489

Ion	Ratio	Lower	Upper
188	100		
94	12.1	10.2	15.4
80	13.4	11.6	17.4

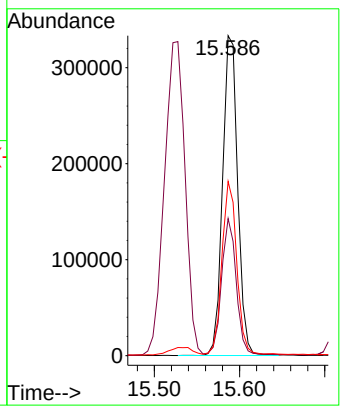




#65
4,6-Dinitro-2-methylphenol
Concen: 61.846 ng
RT: 15.586 min Scan# 21
Delta R.T. -0.001 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:198 Resp: 41009

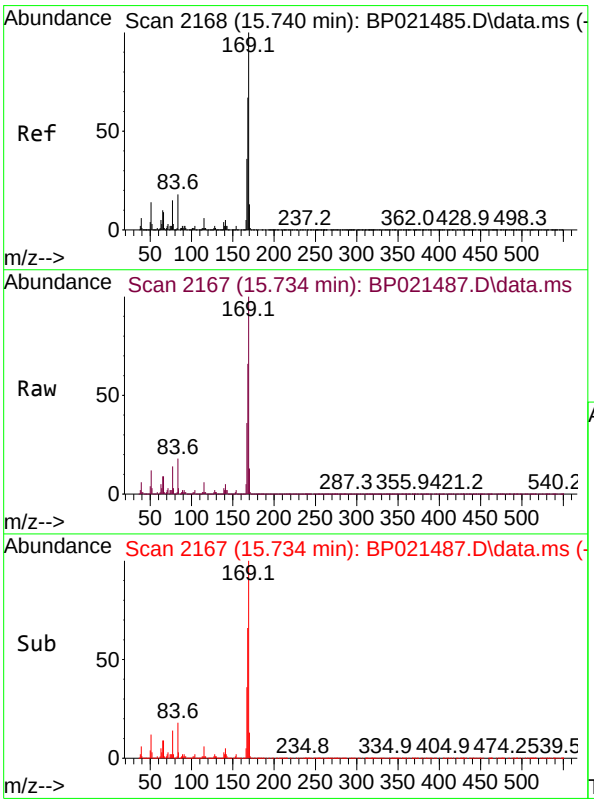
Ion	Ratio	Lower	Upper
198	100		
51	42.9	21.5	61.5
105	54.5	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

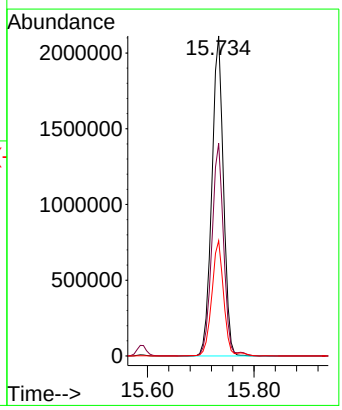
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

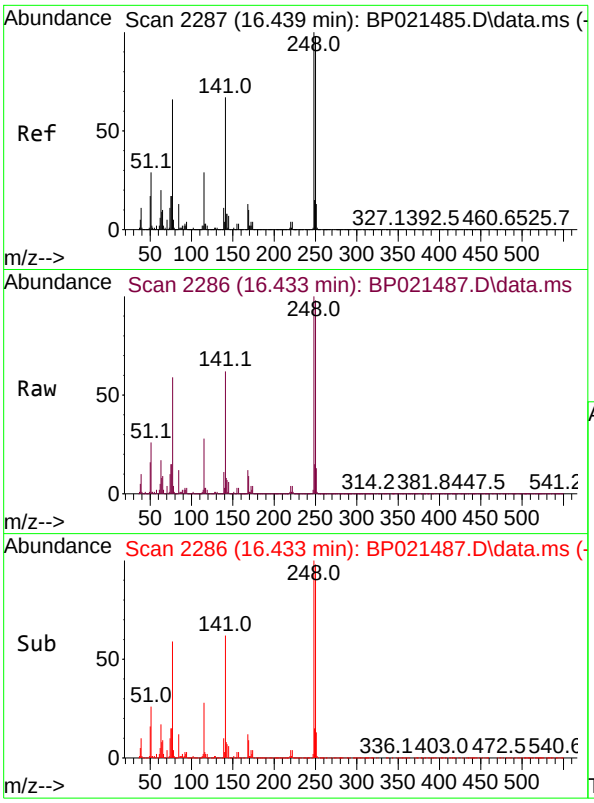


#66
n-Nitrosodiphenylamine
Concen: 59.821 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:169 Resp: 3192615

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.0	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 61.016 ng
RT: 16.433 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

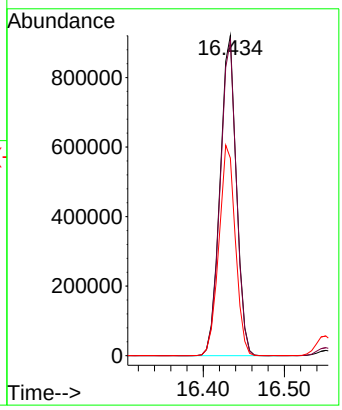
Tgt Ion:248 Resp: 128604

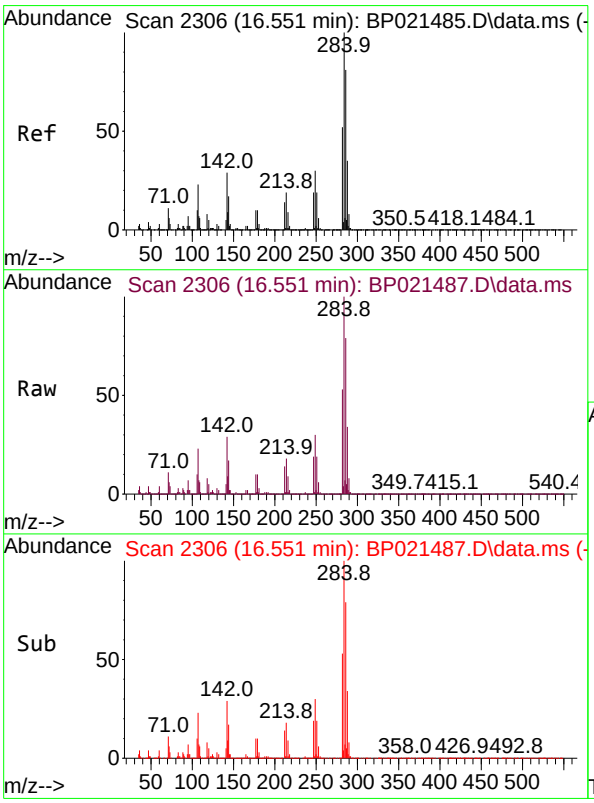
Ion	Ratio	Lower	Upper
248	100		
250	98.4	78.6	117.8
141	61.7	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

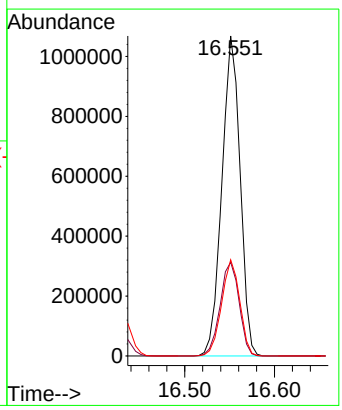


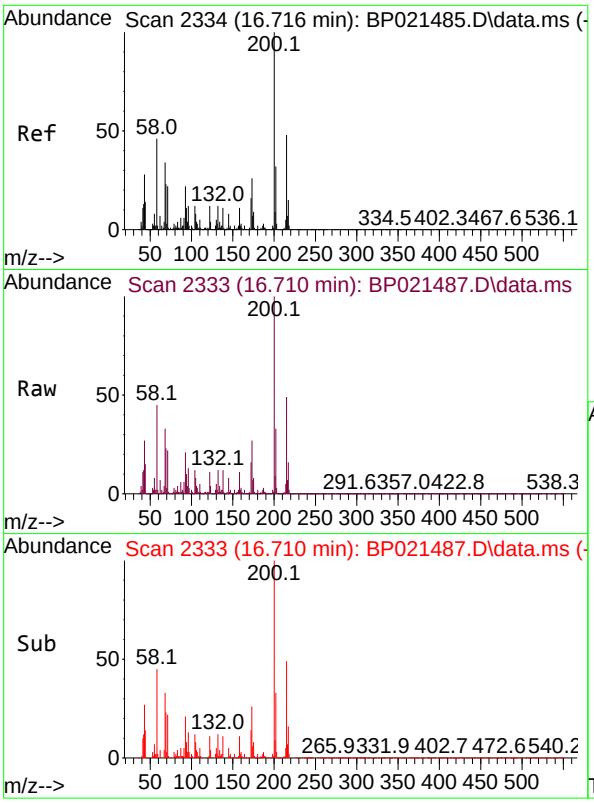


#68
Hexachlorobenzene
Concen: 60.456 ng
RT: 16.551 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:284 Resp: 1505847

Ion	Ratio	Lower	Upper
284	100		
142	29.3	23.4	35.2
249	30.1	24.1	36.1

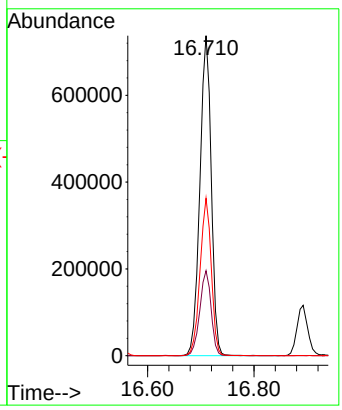




#69
Atrazine
Concen: 59.397 ng
RT: 16.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:200 Resp: 108834

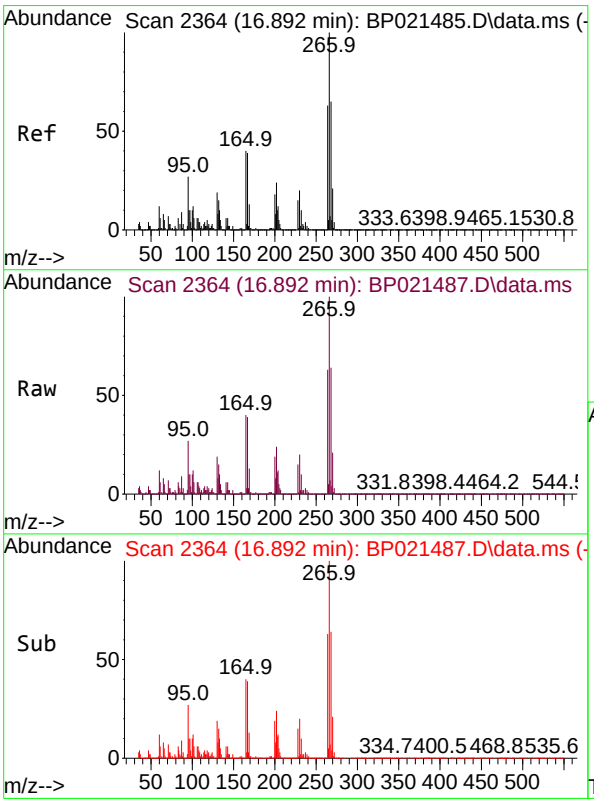
Ion	Ratio	Lower	Upper
200	100		
173	26.6	6.2	46.2
215	49.2	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

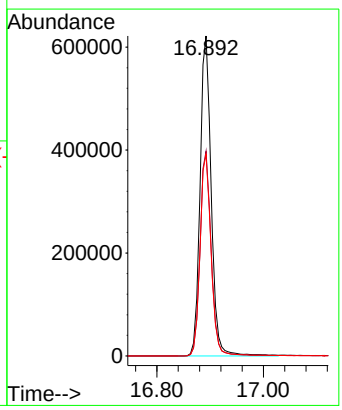
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

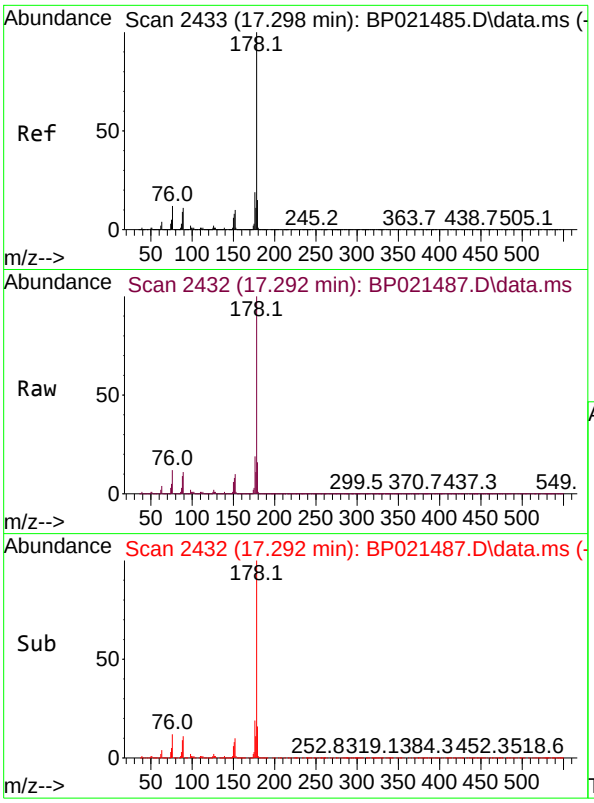


#70
Pentachlorophenol
Concen: 66.192 ng
RT: 16.892 min Scan# 2364
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:266 Resp: 899879

Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.8	77.6
264	63.1	50.5	75.7

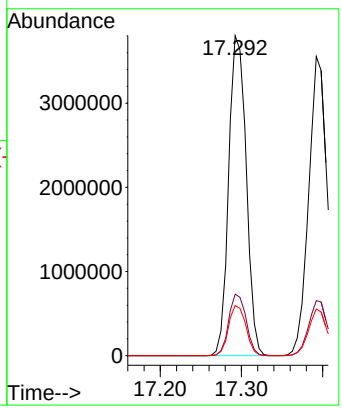




#71
Phenanthrene
Concen: 59.366 ng
RT: 17.292 min Scan# 24
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:178 Resp: 568578

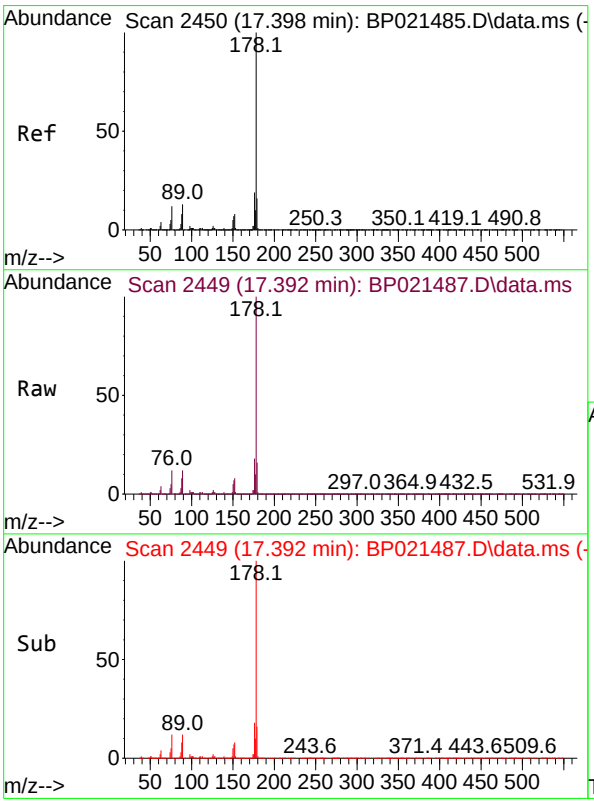
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.7	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
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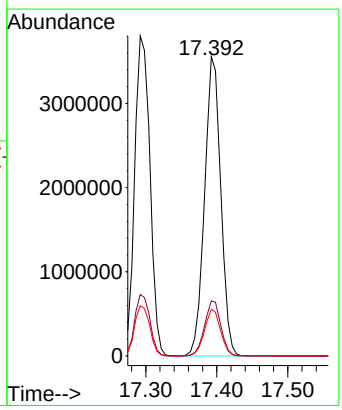
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

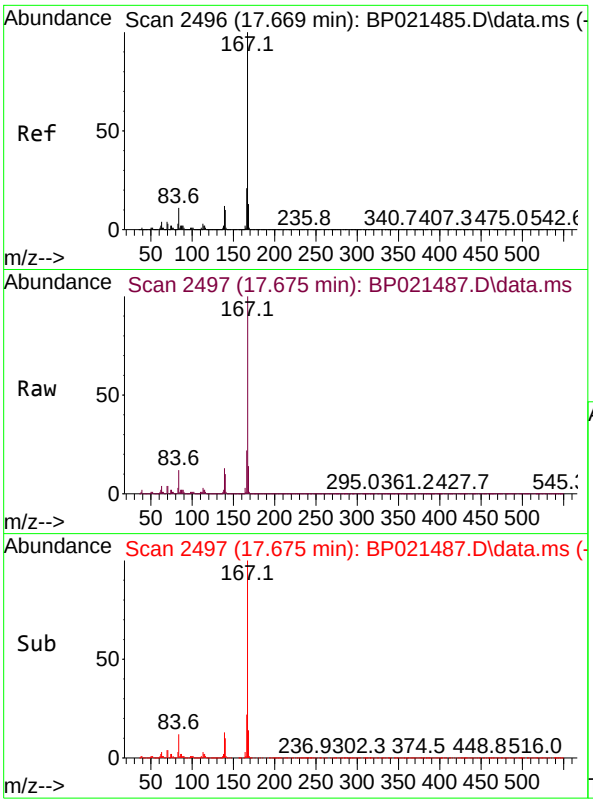


#72
Anthracene
Concen: 60.013 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:178 Resp: 5636907

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.6	12.5	18.7

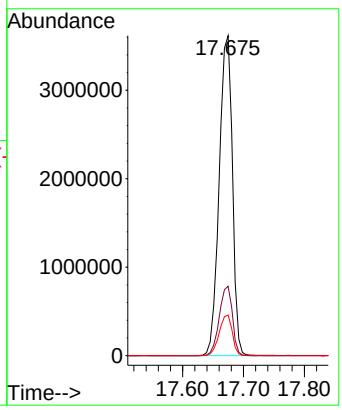




#73
Carbazole
Concen: 60.260 ng
RT: 17.675 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

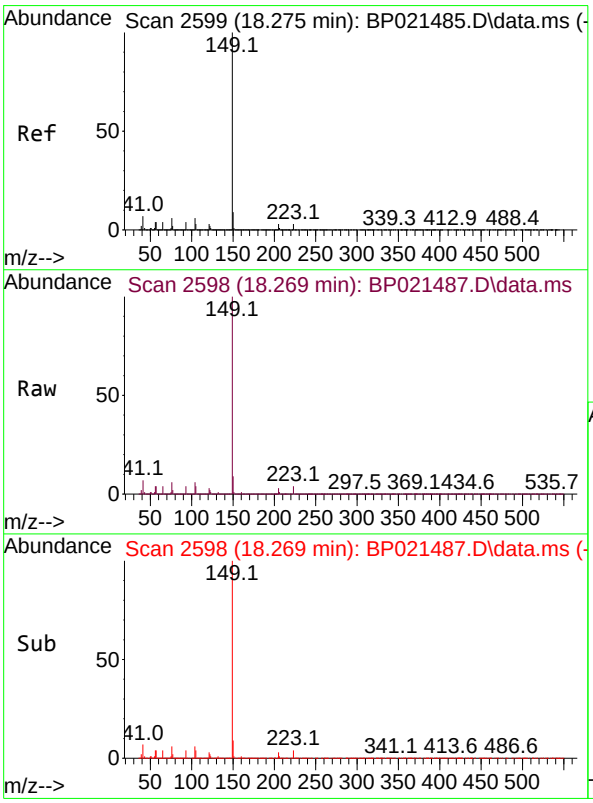
Tgt Ion:167 Resp: 545482

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.4
139	12.7	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

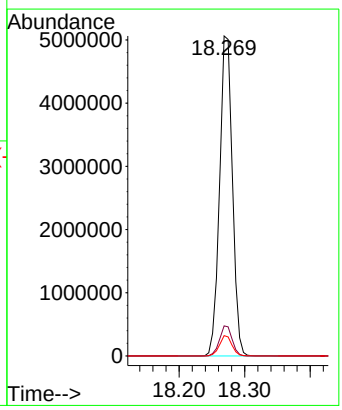
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

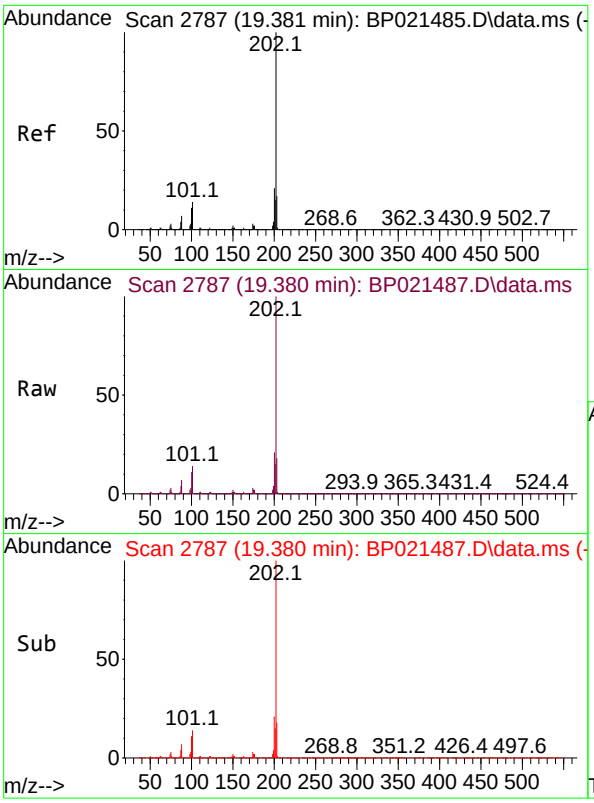


#74
Di-n-butylphthalate
Concen: 61.477 ng
RT: 18.269 min Scan# 2598
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 6834417

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	6.4	4.9	7.3

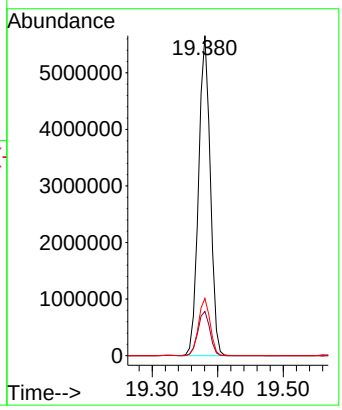




#75
Fluoranthene
Concen: 59.949 ng
RT: 19.380 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:202 Resp: 704490

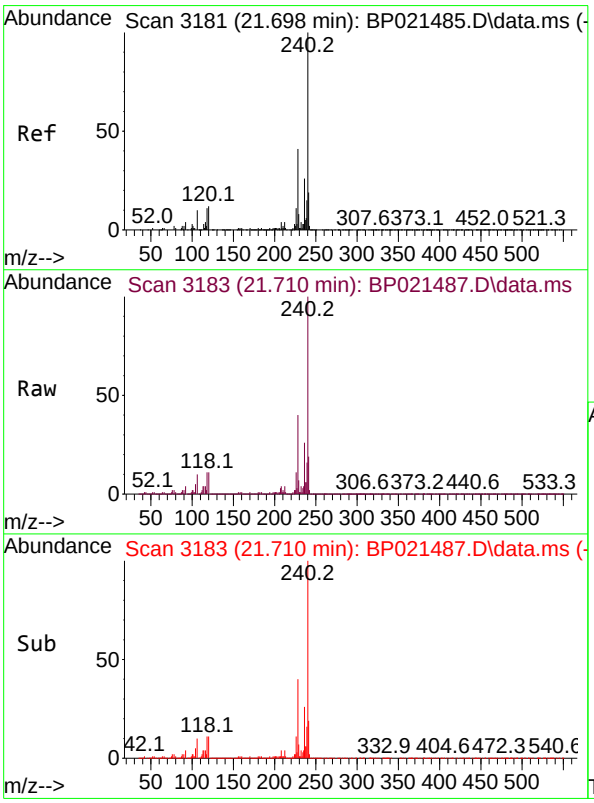
Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.0
203	17.9	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

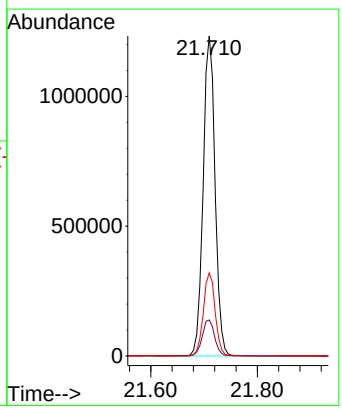
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

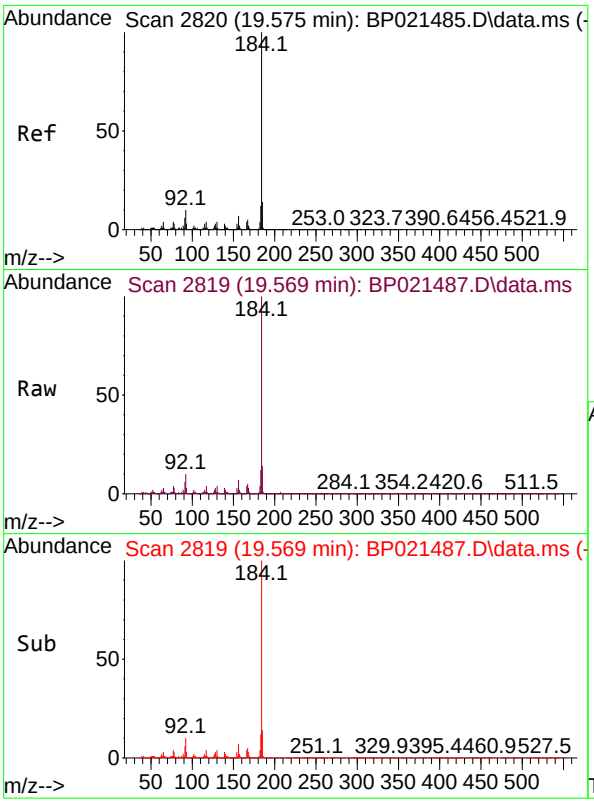


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.710 min Scan# 3183
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:240 Resp: 1907005

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.9	14.9
236	26.0	20.6	30.8

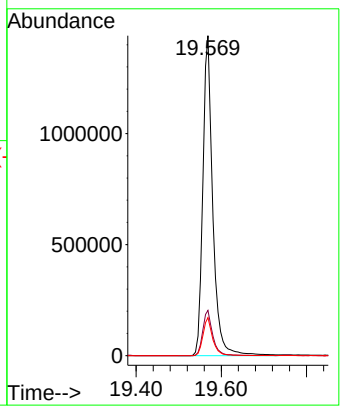




#77
Benzidine
Concen: 54.599 ng
RT: 19.569 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:184 Resp: 233483

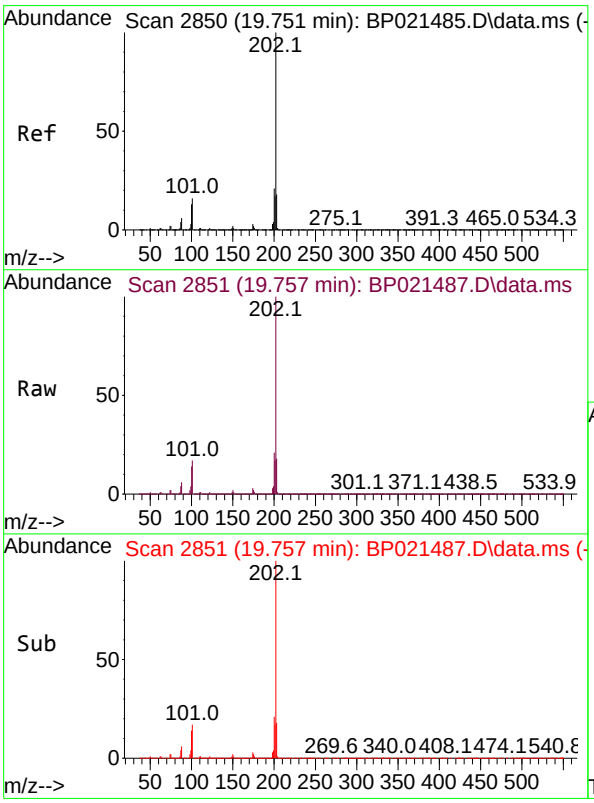
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.9	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

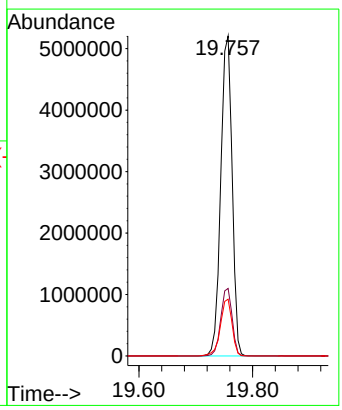
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

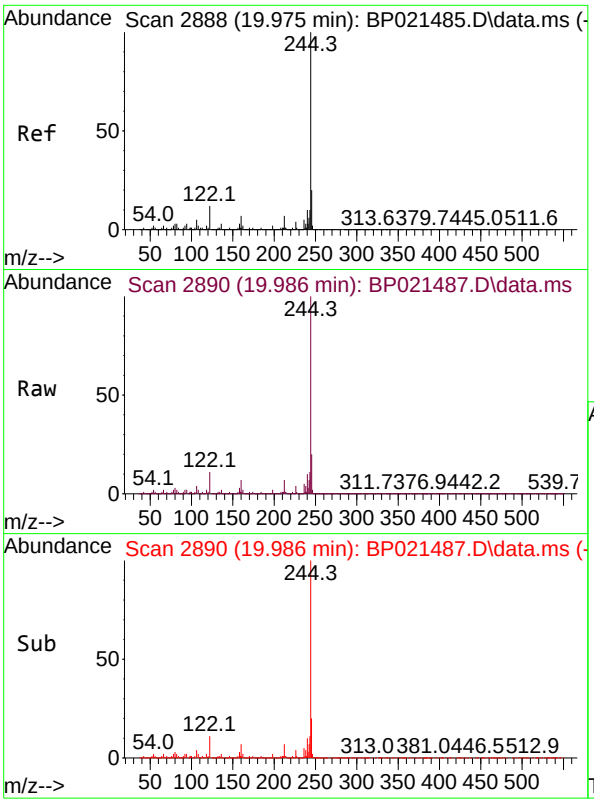


#78
Pyrene
Concen: 58.277 ng
RT: 19.757 min Scan# 2851
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:202 Resp: 7263907

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.7	14.1	21.1

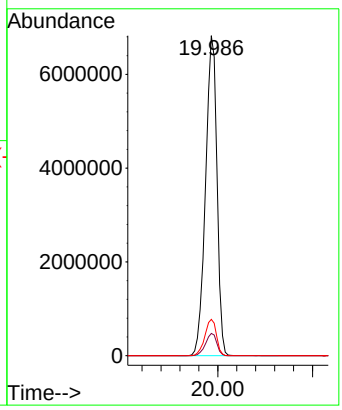




#79
Terphenyl-d14
Concen: 115.877 ng
RT: 19.986 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:244 Resp:1137462

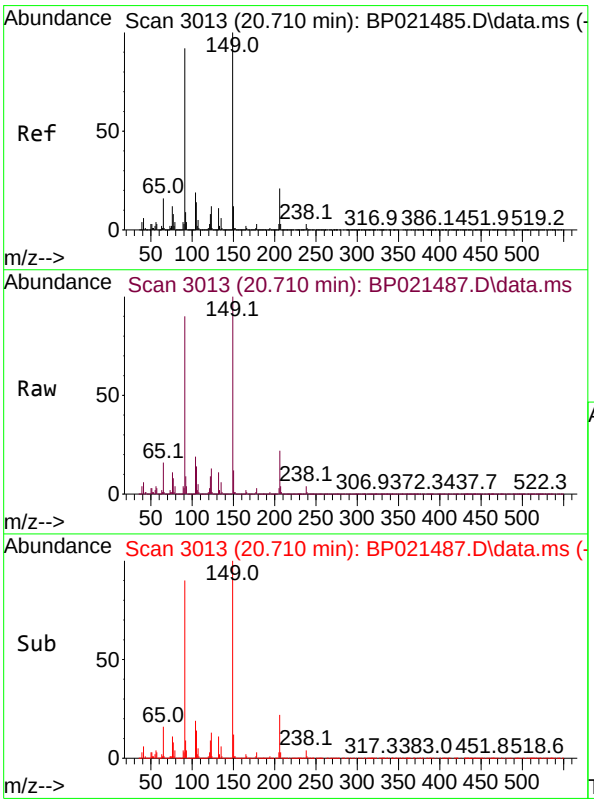
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.3	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

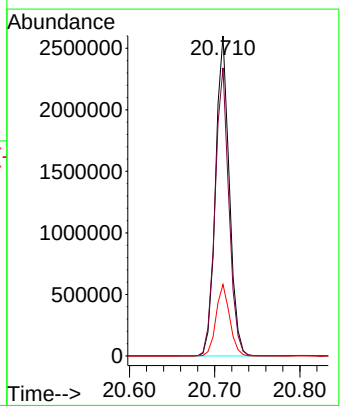
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

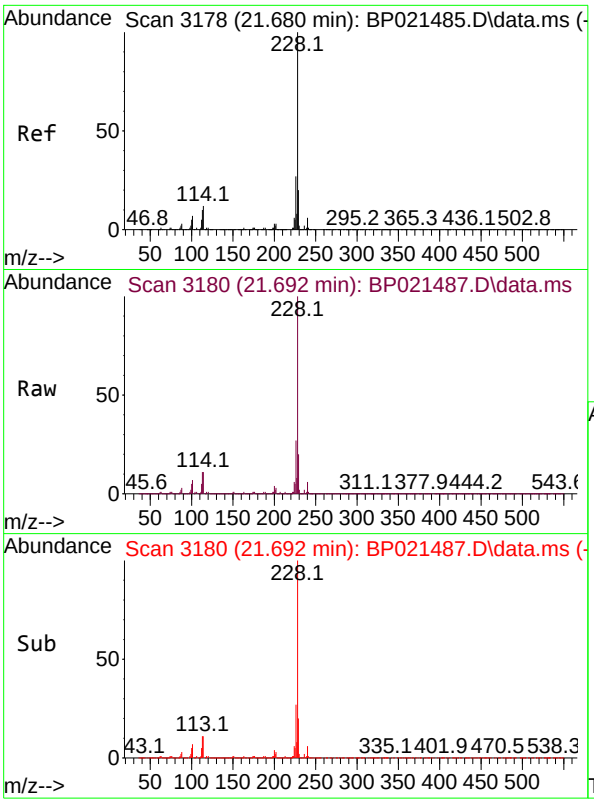


#80
Butylbenzylphthalate
Concen: 60.438 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 2906885

Ion	Ratio	Lower	Upper
149	100		
91	90.1	73.3	109.9
206	22.3	17.1	25.7

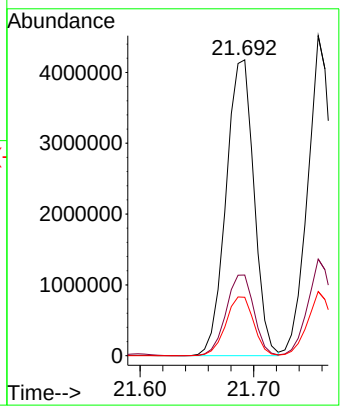




#81
Benzo(a)anthracene
Concen: 59.472 ng
RT: 21.692 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:228 Resp: 711965

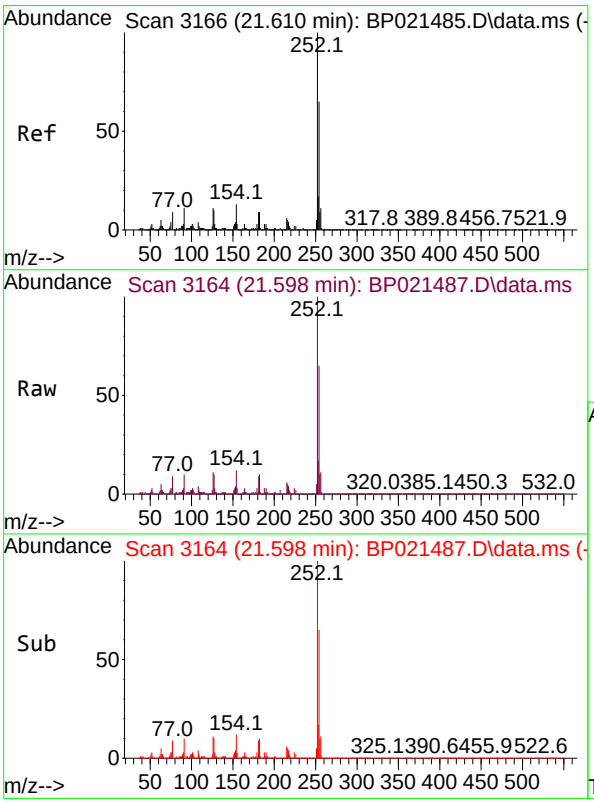
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

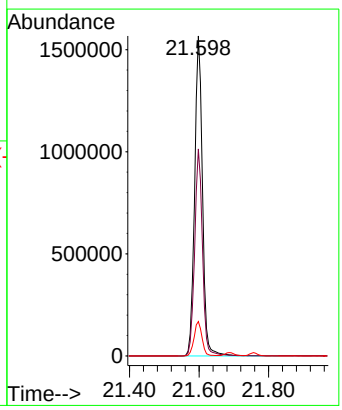
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

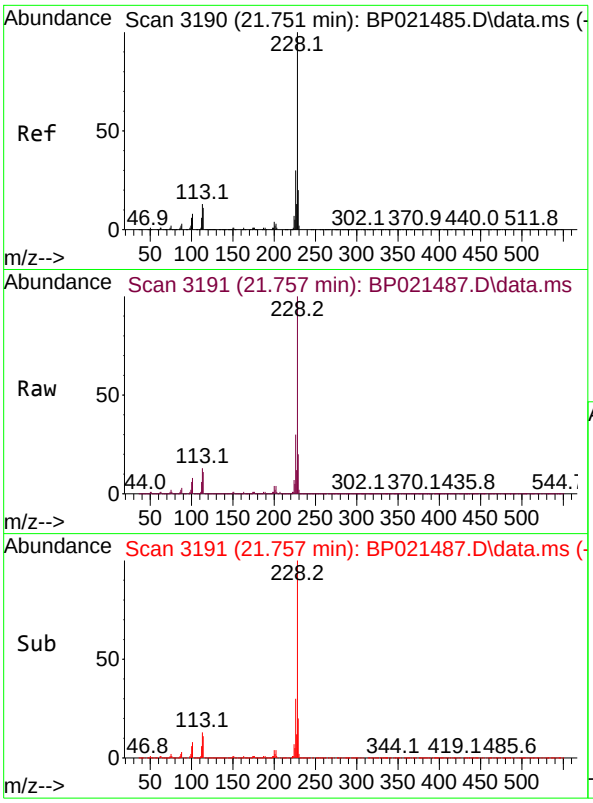


#82
3,3'-Dichlorobenzidine
Concen: 63.969 ng
RT: 21.598 min Scan# 3164
Delta R.T. -0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 2455338

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.7	77.5
126	10.8	8.7	13.1

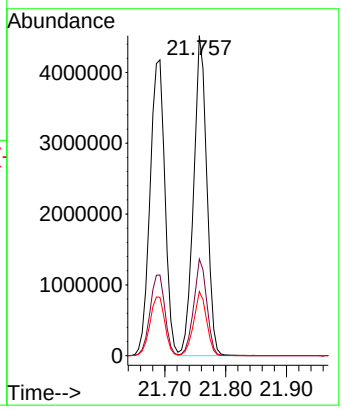




#83
Chrysene
Concen: 59.831 ng
RT: 21.757 min Scan# 3
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:228 Resp: 676256

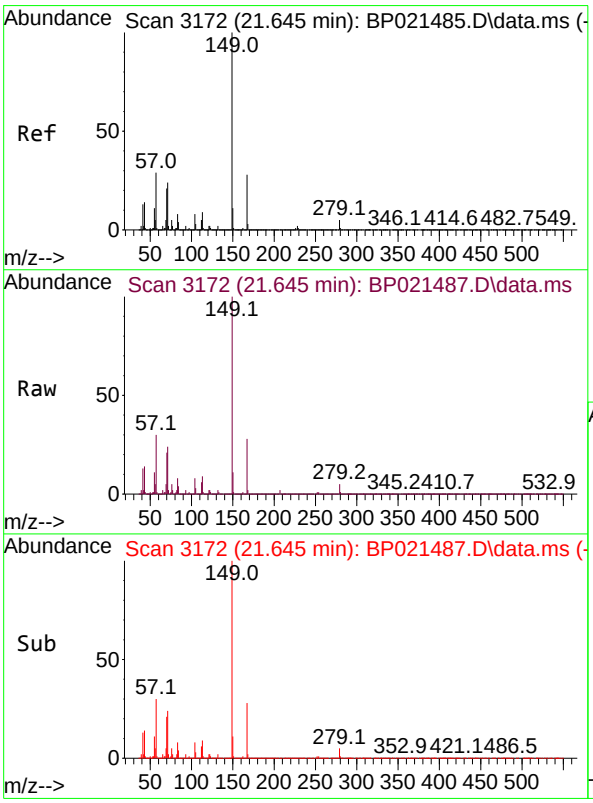
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	20.1	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

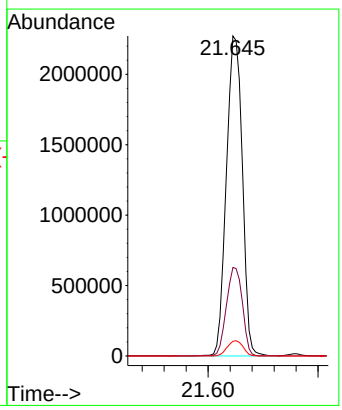
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

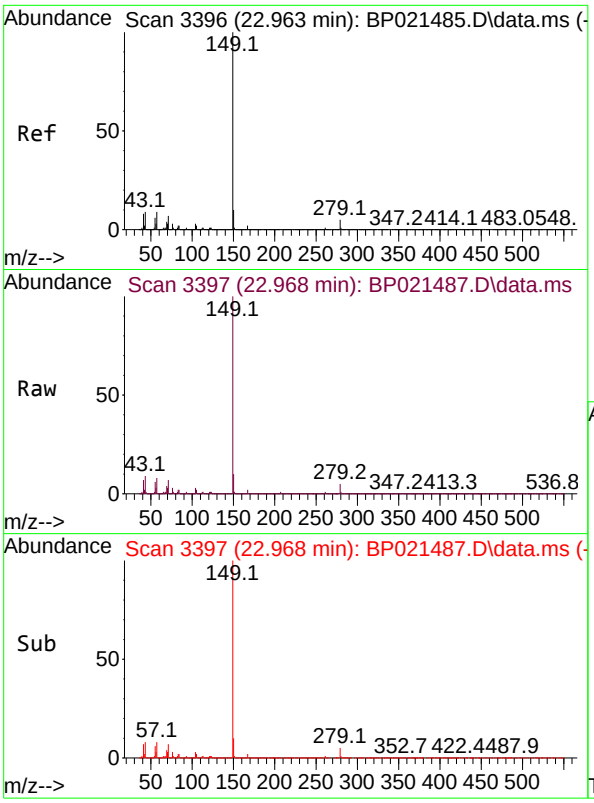


#84
Bis(2-ethylhexyl)phthalate
Concen: 64.685 ng
RT: 21.645 min Scan# 3172
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:149 Resp: 4576797

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.3	33.5
279	4.6	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 59.983 ng
RT: 22.968 min Scan# 3
Delta R.T. 0.005 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

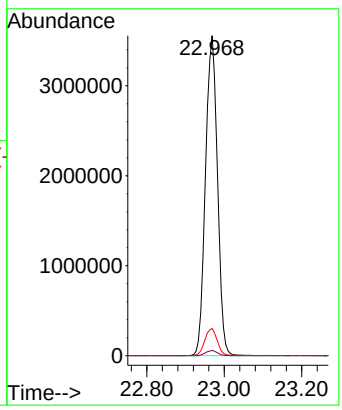
Tgt Ion:149 Resp: 762220

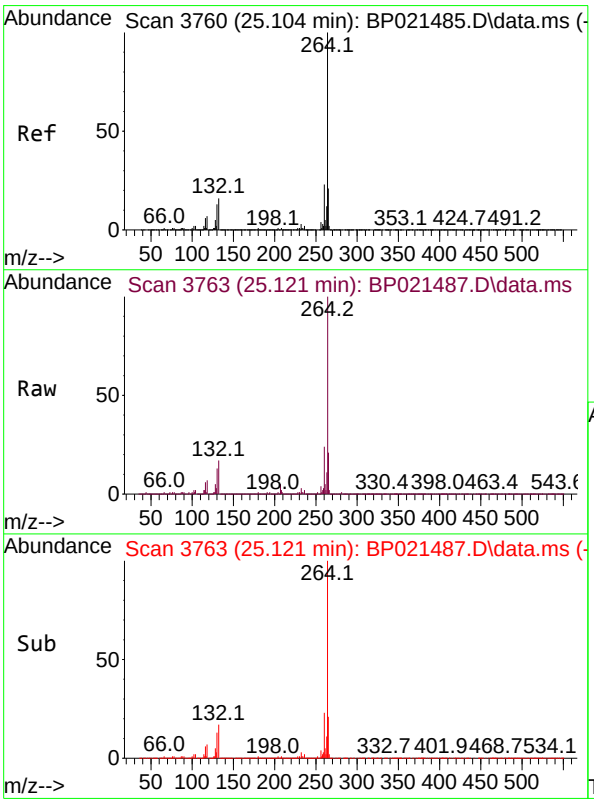
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

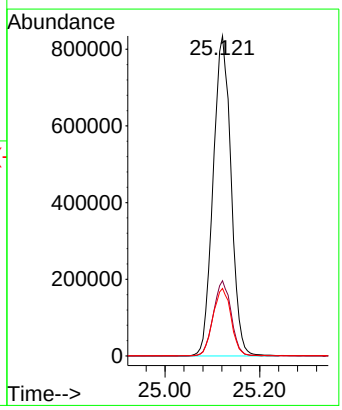


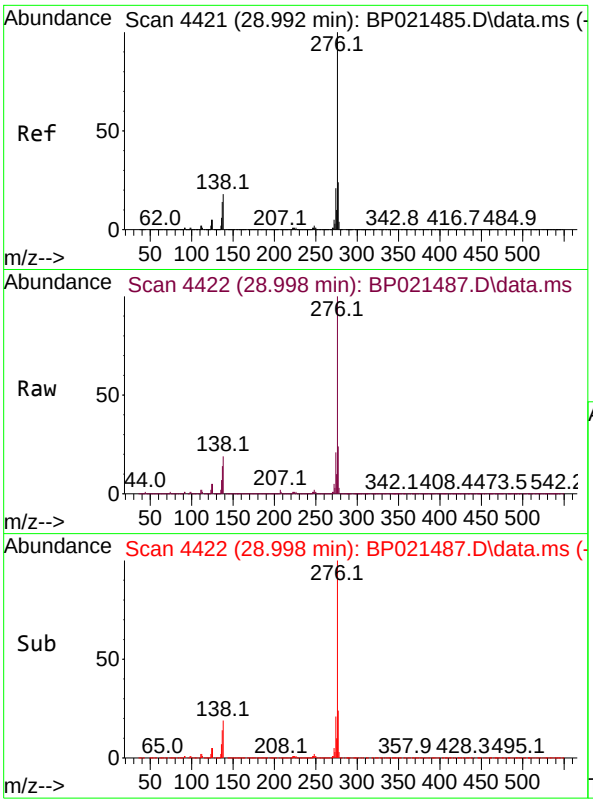


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.121 min Scan# 3763
Delta R.T. 0.018 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:264 Resp: 2191159

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.1	17.1	25.7

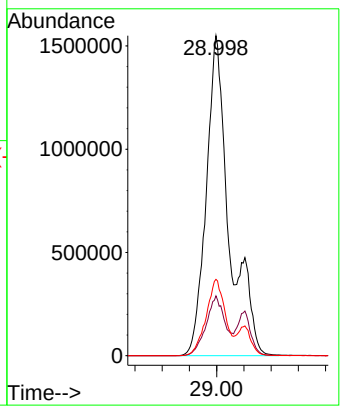




#87
Indeno(1,2,3-cd)pyrene
Concen: 64.078 ng m
RT: 28.998 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:276 Resp: 910034

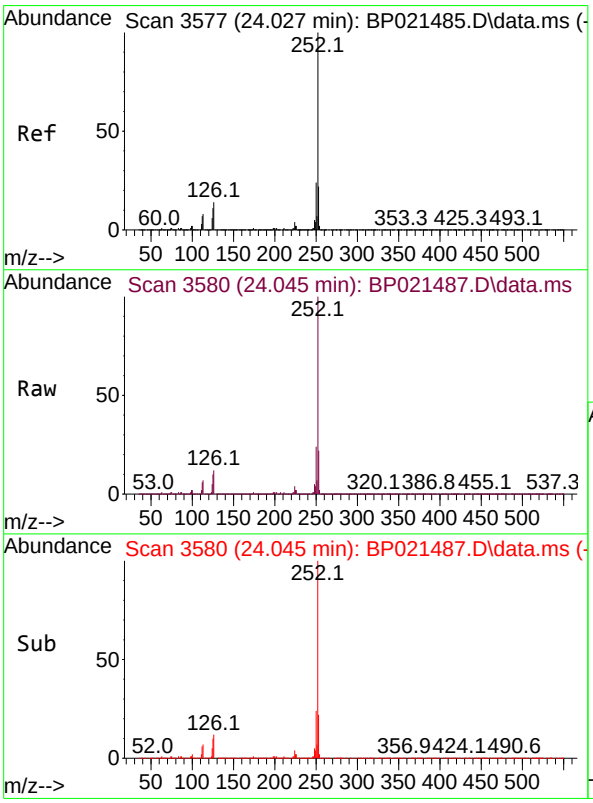
Ion	Ratio	Lower	Upper
276	100		
138	15.7	12.8	19.2
277	19.7	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

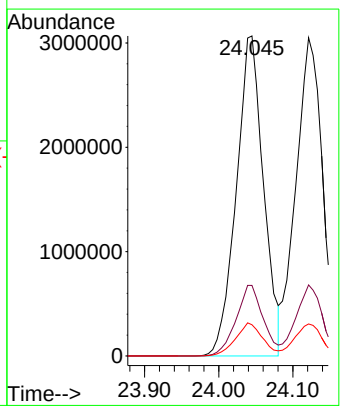
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

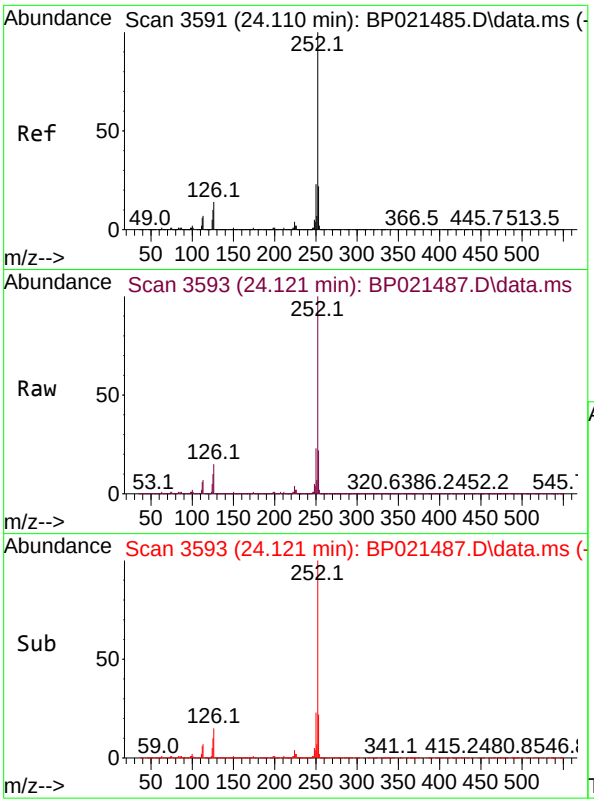


#88
Benzo(b)fluoranthene
Concen: 62.083 ng
RT: 24.045 min Scan# 3580
Delta R.T. 0.018 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 7812709

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	9.8	8.6	13.0

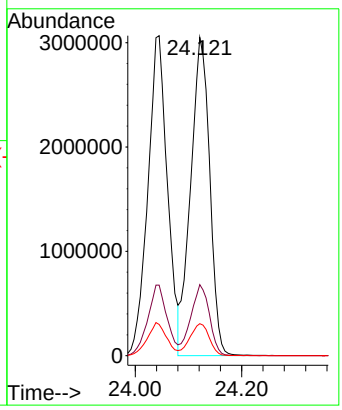




#89
Benzo(k)fluoranthene
Concen: 61.599 ng
RT: 24.121 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 756196

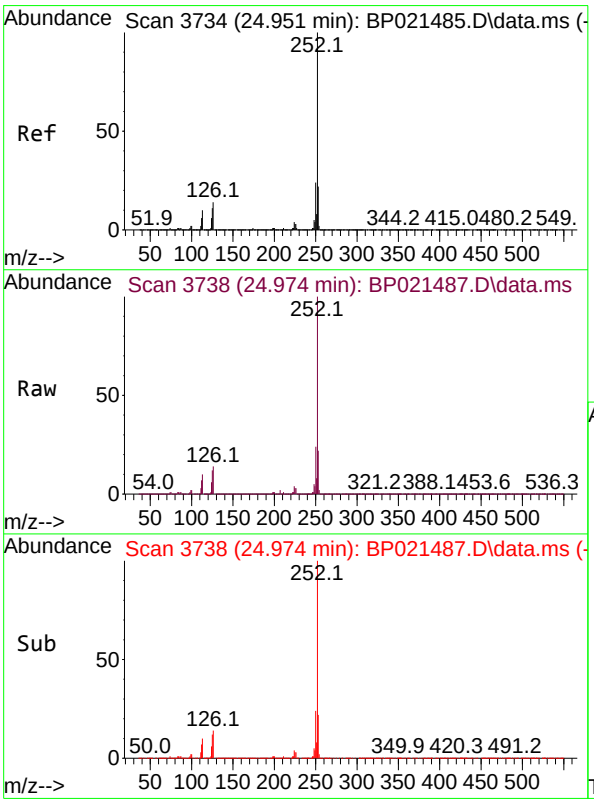
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.0	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

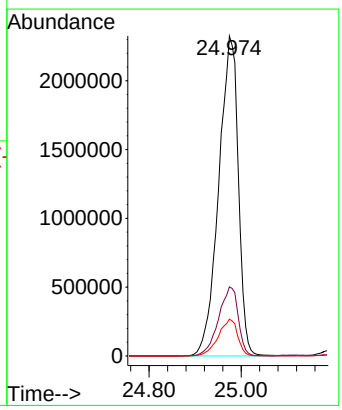
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

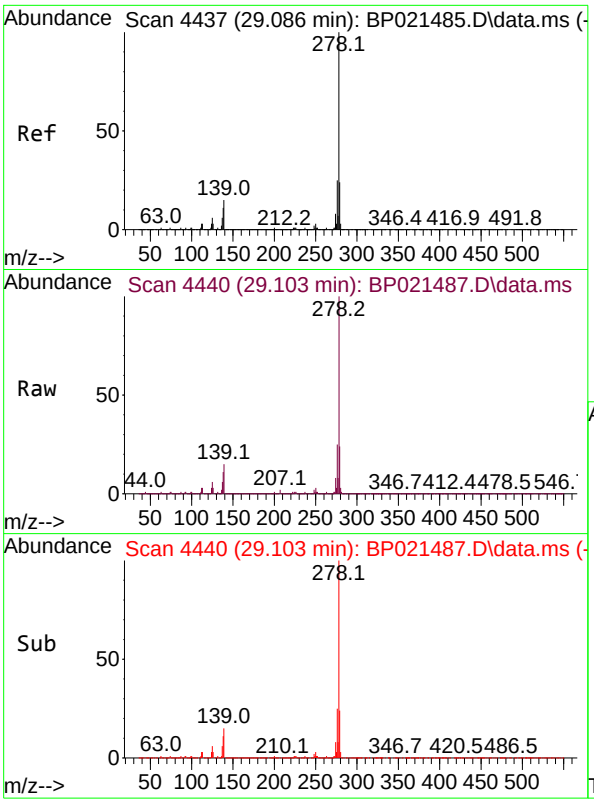


#90
Benzo(a)pyrene
Concen: 62.630 ng
RT: 24.974 min Scan# 3738
Delta R.T. 0.023 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:252 Resp: 6839630

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.5	8.7	13.1

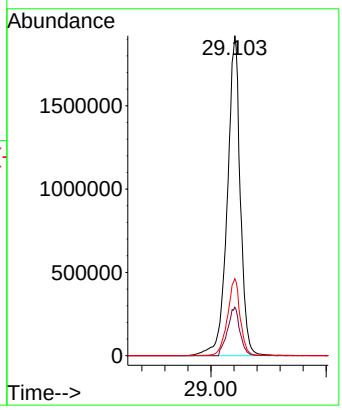




#91
Dibenzo(a,h)anthracene
Concen: 63.721 ng
RT: 29.103 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:278 Resp: 752000

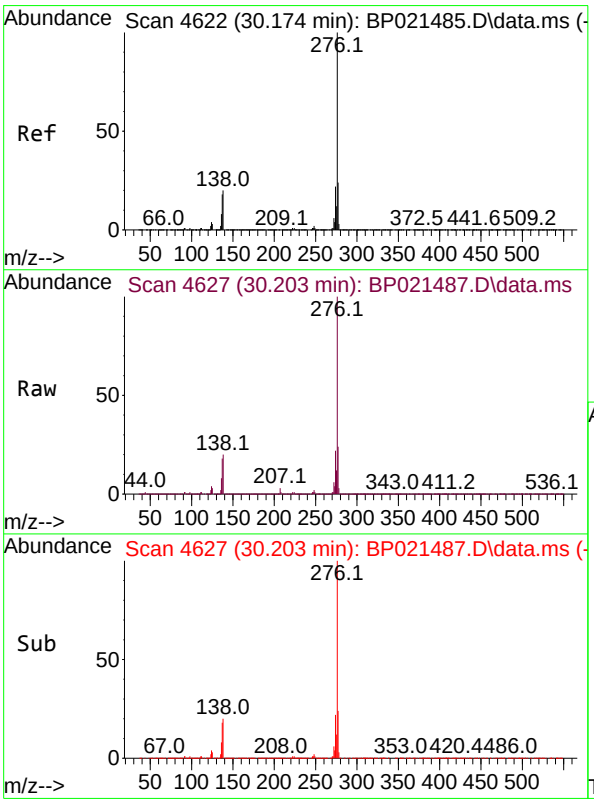
Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.2	18.4
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

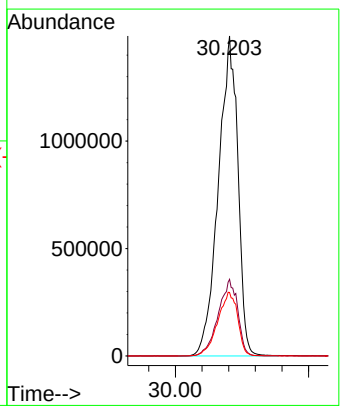
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 63.940 ng
RT: 30.203 min Scan# 4627
Delta R.T. 0.029 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Tgt Ion:276 Resp: 7563028

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	19.8	16.0	24.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021488.D
Acq On : 13 Aug 2024 17:36
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 13 23:48:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	405636	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	1590621	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	991938	20.000	ng	0.00
64) Phenanthrene-d10	17.239	188	2007991	20.000	ng	-0.01
76) Chrysene-d12	21.698	240	1834396	20.000	ng	0.00
86) Perylene-d12	25.110	264	2148798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	4326213	158.364	ng	0.00
7) Phenol-d6	6.969	99	6182538	155.142	ng	0.00
23) Nitrobenzene-d5	8.957	82	5476064	177.696	ng	0.00
42) 2,4,6-Tribromophenol	15.951	330	1902622	172.341	ng	-0.02
45) 2-Fluorobiphenyl	13.063	172	9945684	153.020	ng	0.00
79) Terphenyl-d14	19.969	244	13720759	145.311	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	981936	75.807	ng	99
3) Pyridine	3.705	79	2799665m	77.425	ng	
4) n-Nitrosodimethylamine	3.617	42	842879	77.551	ng	100
6) Aniline	7.140	93	2987211	74.981	ng	99
8) 2-Chlorophenol	7.375	128	1999068	79.186	ng	100
10) Phenol	6.993	94	3198266	77.502	ng	98
11) bis(2-Chloroethyl)ether	7.234	93	2653675	75.997	ng	98
12) 1,3-Dichlorobenzene	7.699	146	2278631	75.987	ng	99
13) 1,4-Dichlorobenzene	7.840	146	2292726	75.717	ng	99
14) 1,2-Dichlorobenzene	8.158	146	2200854	75.423	ng	100
15) Benzyl Alcohol	8.040	79	2214742	77.457	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.334	45	2391178	74.359	ng	99
17) 2-Methylphenol	8.234	107	1995331	76.484	ng	100
18) Hexachloroethane	8.887	117	957451	78.852	ng	98
19) n-Nitroso-di-n-propyla...	8.610	70	1923242	69.865	ng	99
20) 3+4-Methylphenols	8.563	107	2709790	77.033	ng	99
22) Acetophenone	8.622	105	3753281	76.808	ng	99
24) Nitrobenzene	8.999	77	2888411	86.298	ng	97
25) Isophorone	9.522	82	5496234	75.494	ng	100
27) 2,4-Dimethylphenol	9.763	122	1443721	80.354	ng	99
28) bis(2-Chloroethoxy)met...	10.004	93	3455210	77.749	ng	99
29) 2,4-Dichlorophenol	10.240	162	1832311	86.313	ng	100
30) 1,2,4-Trichlorobenzene	10.457	180	2181467	80.153	ng	99
31) Naphthalene	10.646	128	6530682	78.593	ng	99
32) Benzoic acid	9.922	122	1191515	79.618	ng	99
33) 4-Chloroaniline	10.746	127	2421138	77.568	ng	99
34) Hexachlorobutadiene	10.946	225	1379696	80.513	ng	97
35) Caprolactam	11.522	113	702638m	79.529	ng	
36) 4-Chloro-3-methylphenol	11.869	107	2368621	80.436	ng	98
37) 2-Methylnaphthalene	12.257	142	4347439	76.659	ng	100
38) 1-Methylnaphthalene	12.481	142	4237982	75.769	ng	99
40) 1,2,4,5-Tetrachloroben...	12.628	216	2395337	82.416	ng	100
41) Hexachlorocyclopentadiene	12.616	237	847184	91.971	ng	98
43) 2,4,6-Trichlorophenol	12.863	196	1454749	90.107	ng	100
44) 2,4,5-Trichlorophenol	12.928	196	1603816	89.412	ng	97
46) 1,1'-Biphenyl	13.275	154	5498161	78.343	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021488.D
Acq On : 13 Aug 2024 17:36
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 13 23:48:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
47)	2-Chloronaphthalene	13.310	162	4315309	78.980	ng		99
48)	2-Nitroaniline	13.504	65	1301093	81.000	ng		93
49)	Acenaphthylene	14.169	152	6229370	77.556	ng		100
50)	Dimethylphthalate	13.904	163	5104657	76.844	ng		99
51)	2,6-Dinitrotoluene	14.010	165	1121870	80.745	ng		97
52)	Acenaphthene	14.510	154	4136001	78.480	ng		99
53)	3-Nitroaniline	14.340	138	1100154	80.567	ng	#	95
54)	2,4-Dinitrophenol	14.545	184	370353	79.528	ng		92
55)	Dibenzofuran	14.851	168	6247950	77.067	ng		99
56)	4-Nitrophenol	14.640	139	885944	80.388	ng		97
57)	2,4-Dinitrotoluene	14.804	165	1449693	81.172	ng		96
58)	Fluorene	15.510	166	4891299	73.441	ng		100
59)	2,3,4,6-Tetrachlorophenol	15.075	232	1322486	86.863	ng		100
60)	Diethylphthalate	15.292	149	5198353	76.268	ng		99
61)	4-Chlorophenyl-phenyle...	15.510	204	2556419	74.256	ng		98
62)	4-Nitroaniline	15.522	138	1101954	79.329	ng		94
63)	Azobenzene	15.804	77	6169252	73.633	ng		97
65)	4,6-Dinitro-2-methylph...	15.575	198	600088	79.442	ng		100
66)	n-Nitrosodiphenylamine	15.722	169	4264380	79.247	ng		99
67)	4-Bromophenyl-phenylether	16.416	248	1731598	81.480	ng		98
68)	Hexachlorobenzene	16.534	284	1994136	79.402	ng		99
69)	Atrazine	16.698	200	1395641	75.542	ng		98
70)	Pentachlorophenol	16.881	266	1256277	91.649	ng		100
71)	Phenanthrene	17.286	178	7482235	77.481	ng		99
72)	Anthracene	17.381	178	7350512	77.613	ng		100
73)	Carbazole	17.651	167	7163944	78.491	ng		99
74)	Di-n-butylphthalate	18.257	149	9044596	80.689	ng		100
75)	Fluoranthene	19.369	202	9185836	77.525	ng		99
77)	Benzidine	19.557	184	3000610	82.290	ng		99
78)	Pyrene	19.745	202	9406096	78.450	ng		99
80)	Butylbenzylphthalate	20.704	149	3806046	80.964	ng		98
81)	Benzo(a)anthracene	21.680	228	9116699	79.168	ng		98
82)	3,3'-Dichlorobenzidine	21.598	252	3092890	83.768	ng		100
83)	Chrysene	21.751	228	8577622	78.894	ng		98
84)	Bis(2-ethylhexyl)phtha...	21.639	149	6062099	89.068	ng		100
85)	Di-n-octyl phthalate	22.957	149	10099312	80.797	ng		99
87)	Indeno(1,2,3-cd)pyrene	29.009	276	11599453m	83.285	ng		
88)	Benzo(b)fluoranthene	24.045	252	9994213	80.984	ng		100
89)	Benzo(k)fluoranthene	24.121	252	9544162	79.279	ng		99
90)	Benzo(a)pyrene	24.962	252	8757562	81.773	ng		100
91)	Dibenzo(a,h)anthracene	29.098	278	9530458	82.349	ng		100
92)	Benzo(g,h,i)perylene	30.209	276	9695156	83.581	ng		100

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

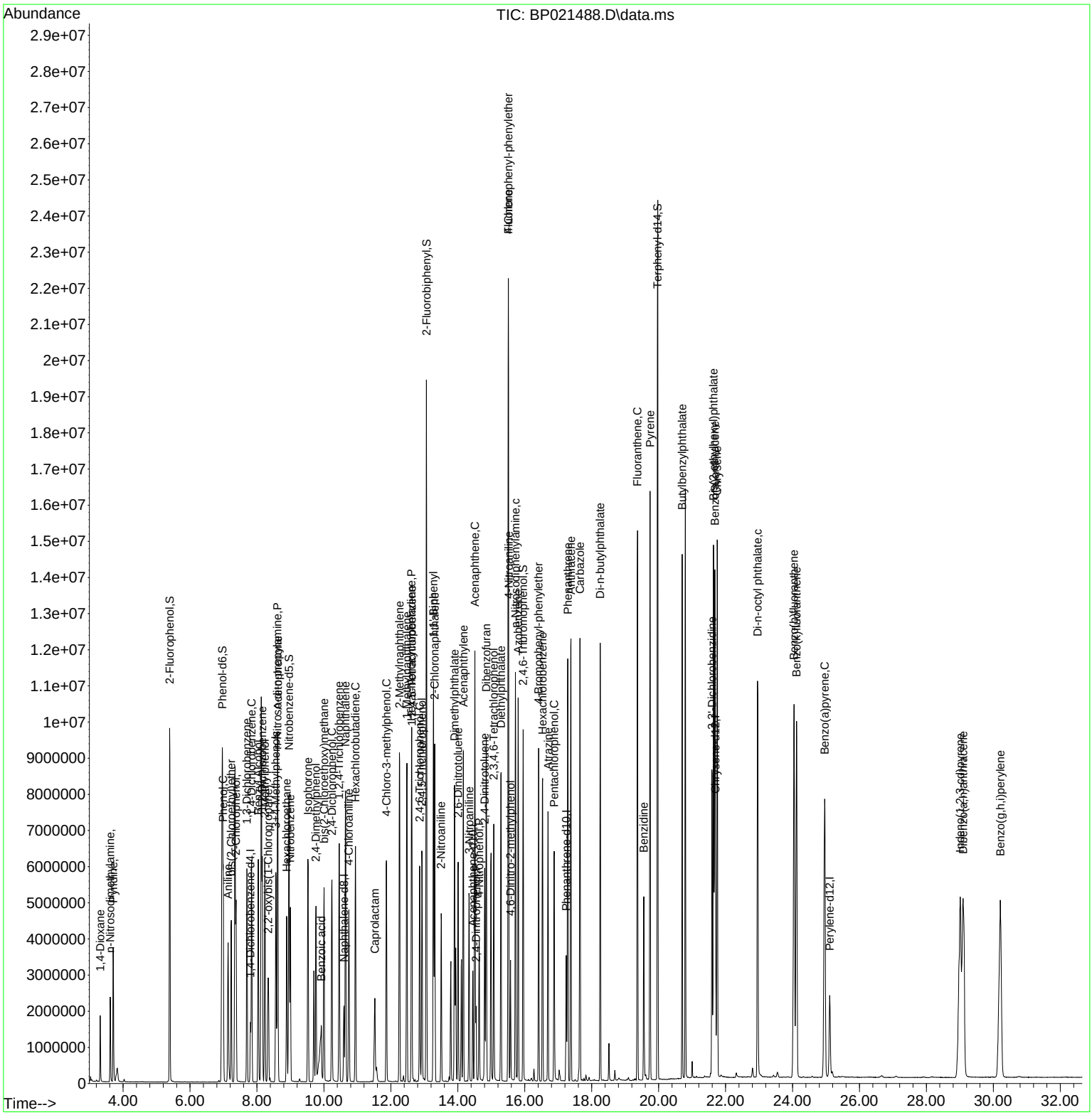
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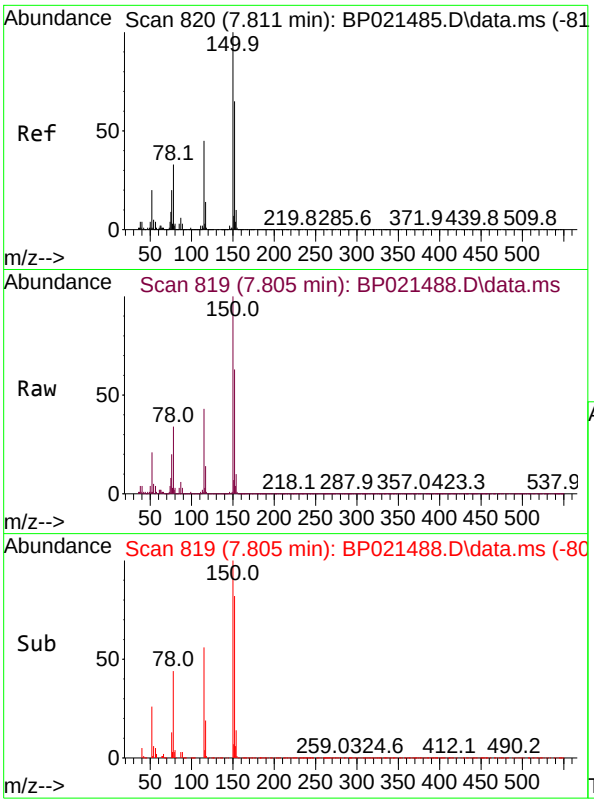
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021488.D
Acq On : 13 Aug 2024 17:36
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 13 23:48:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 23:44:24 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

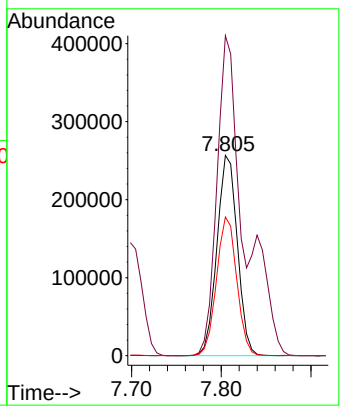




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:152 Resp: 40563

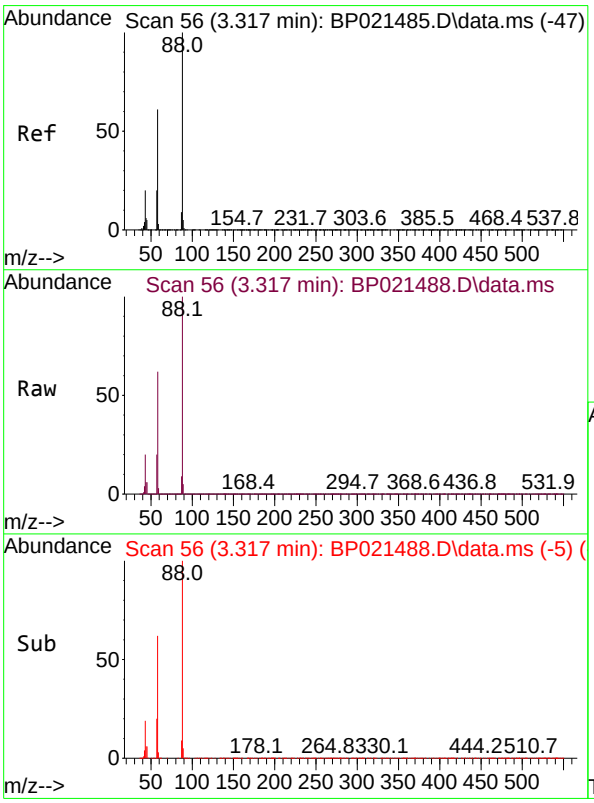
Ion	Ratio	Lower	Upper
152	100		
150	159.8	122.4	183.6
115	69.3	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

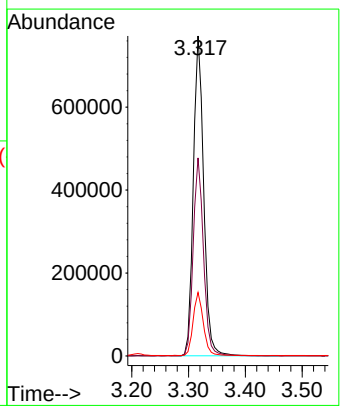
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

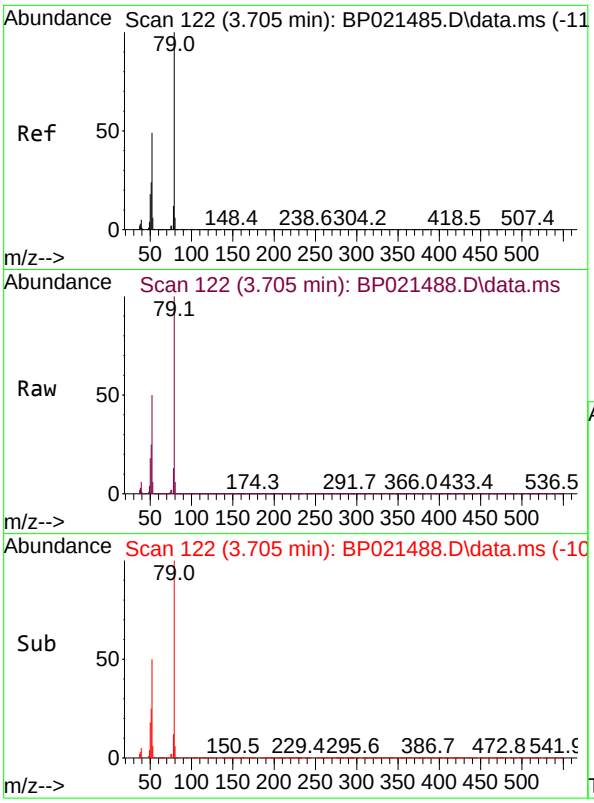


#2
1,4-Dioxane
Concen: 75.807 ng
RT: 3.317 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 88 Resp: 981936

Ion	Ratio	Lower	Upper
88	100		
58	61.6	48.7	73.1
43	19.6	15.4	23.2

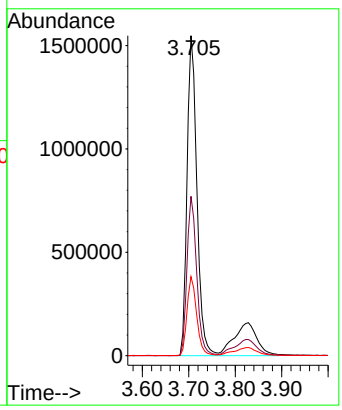




#3
Pyridine
Concen: 77.425 ng m
RT: 3.705 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 79 Resp: 279965

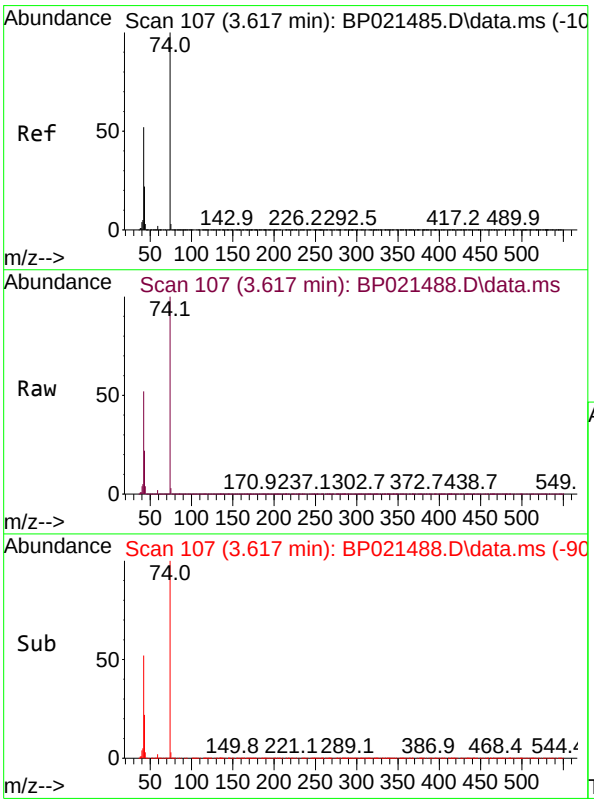
Ion	Ratio	Lower	Upper
79	100		
52	49.8	39.0	58.6
51	24.7	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

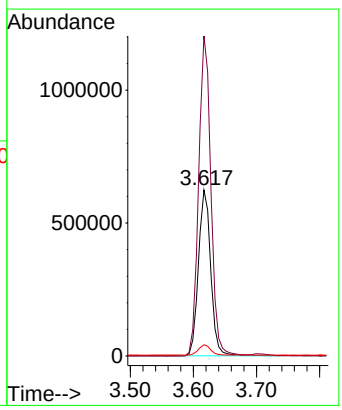
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

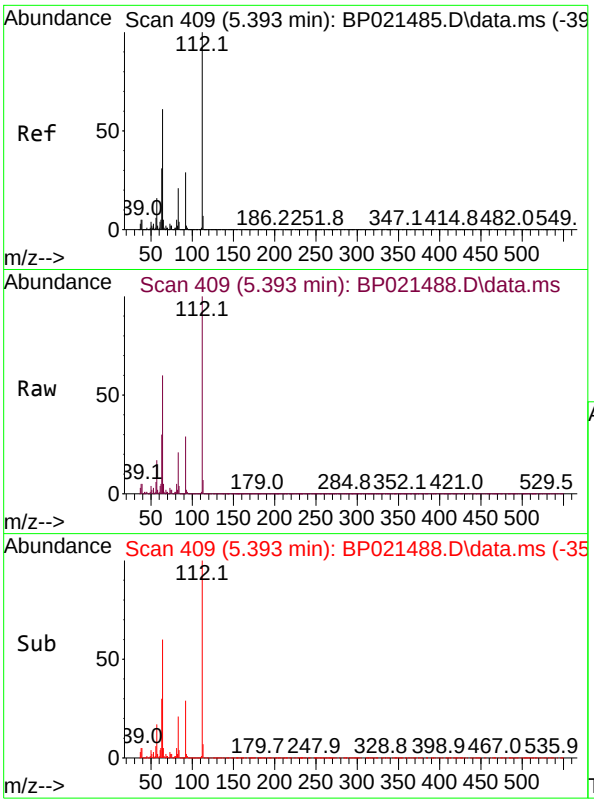


#4
n-Nitrosodimethylamine
Concen: 77.551 ng
RT: 3.617 min Scan# 107
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 42 Resp: 842879

Ion	Ratio	Lower	Upper
42	100		
74	192.8	154.3	231.5
44	6.8	6.2	9.4





#5
2-Fluorophenol
Concen: 158.364 ng
RT: 5.393 min Scan# 4
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

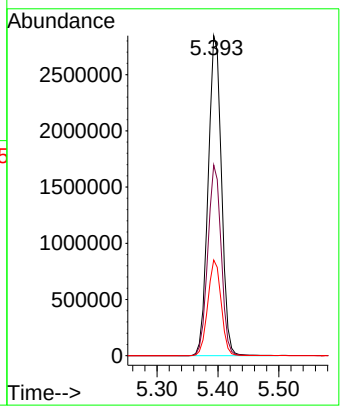
Tgt Ion:112 Resp: 432621

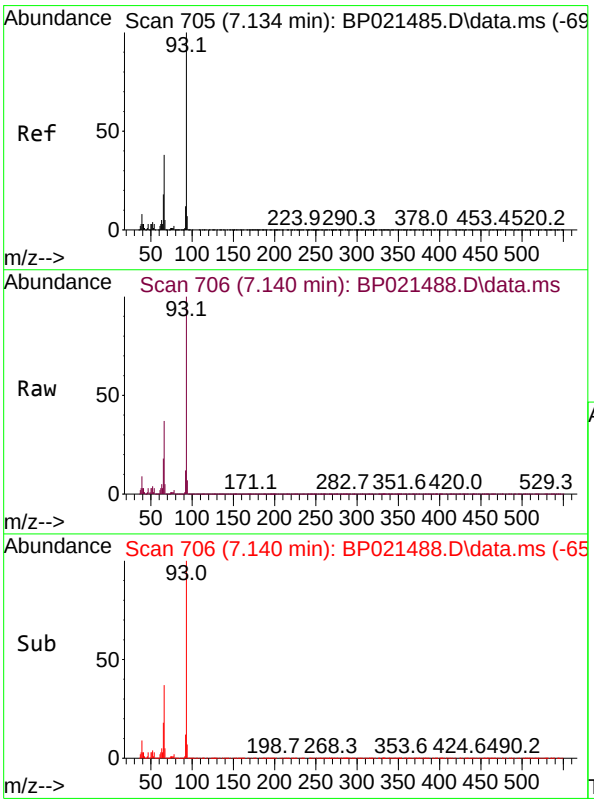
Ion	Ratio	Lower	Upper
112	100		
64	59.6	49.0	73.6
63	29.9	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

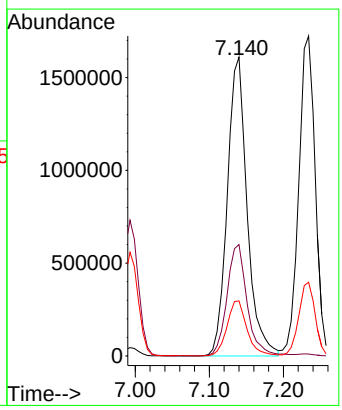


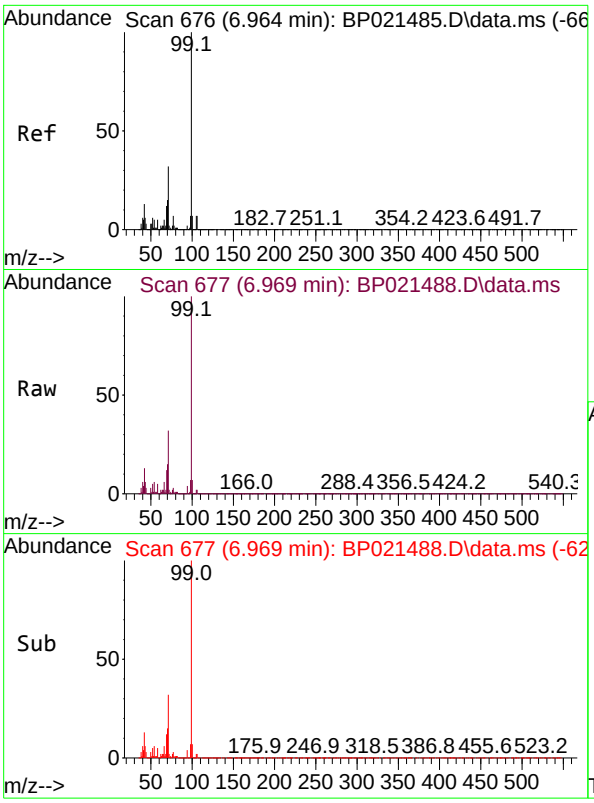


#6
Aniline
Concen: 74.981 ng
RT: 7.140 min Scan# 706
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 93 Resp: 2987211

Ion	Ratio	Lower	Upper
93	100		
66	37.3	30.2	45.2
65	18.4	14.7	22.1

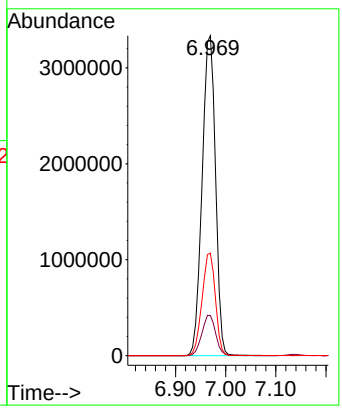




#7
Phenol-d6
Concen: 155.142 ng
RT: 6.969 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 99 Resp: 618253

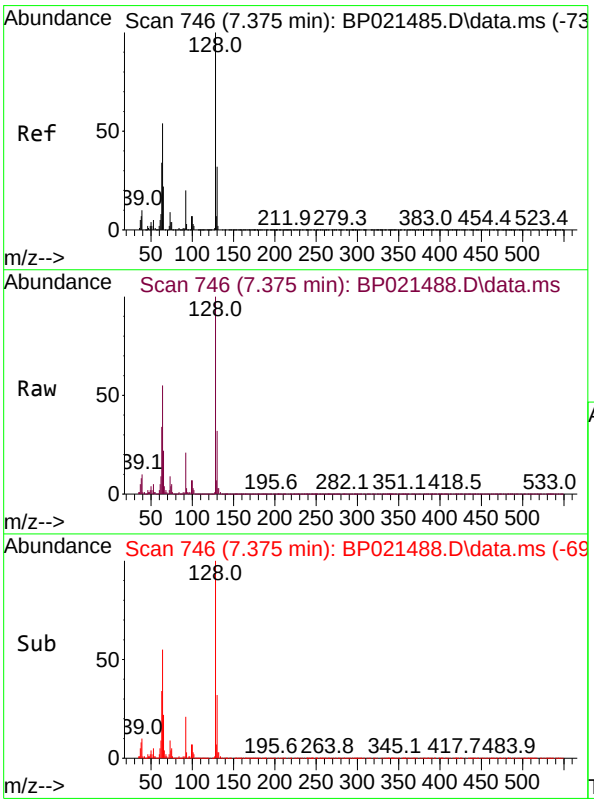
Ion	Ratio	Lower	Upper
99	100		
42	12.5	10.2	15.4
71	32.1	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

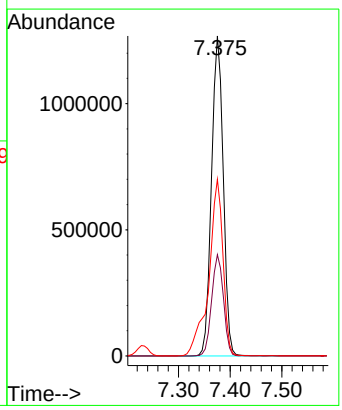
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

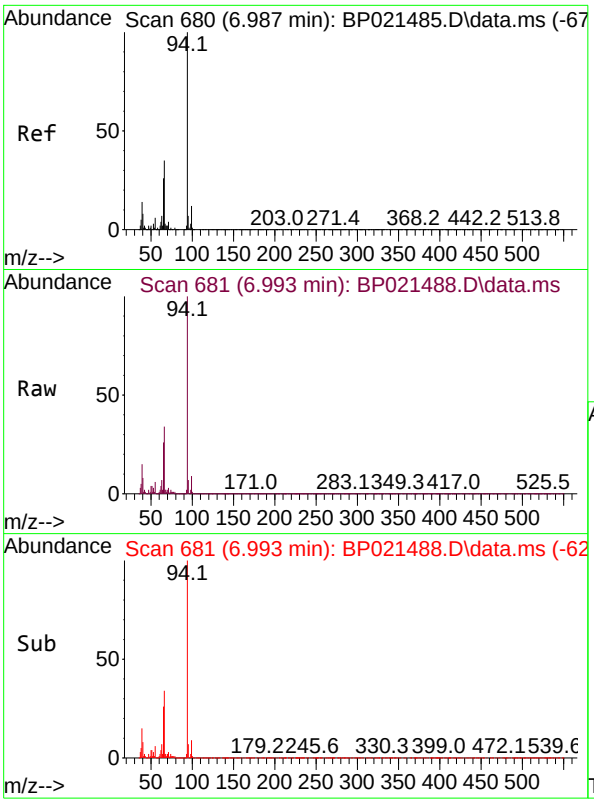


#8
2-Chlorophenol
Concen: 79.186 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:128 Resp: 1999068

Ion	Ratio	Lower	Upper
128	100		
130	31.7	11.6	51.6
64	55.2	35.3	75.3

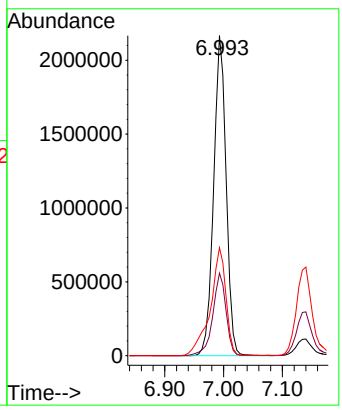




#10
Phenol
Concen: 77.502 ng
RT: 6.993 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 94 Resp: 319826

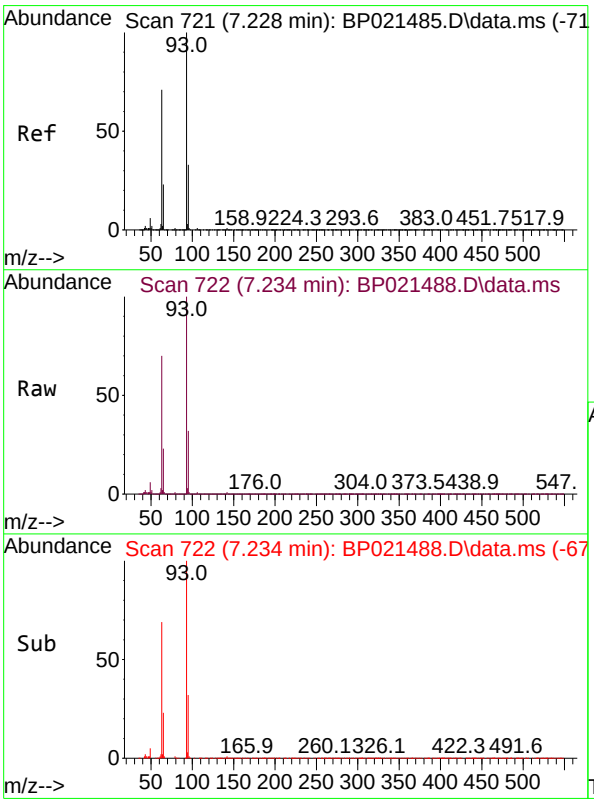
Ion	Ratio	Lower	Upper
94	100		
65	25.8	6.5	46.5
66	33.7	14.7	54.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

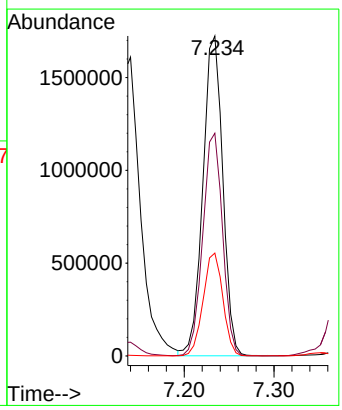
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

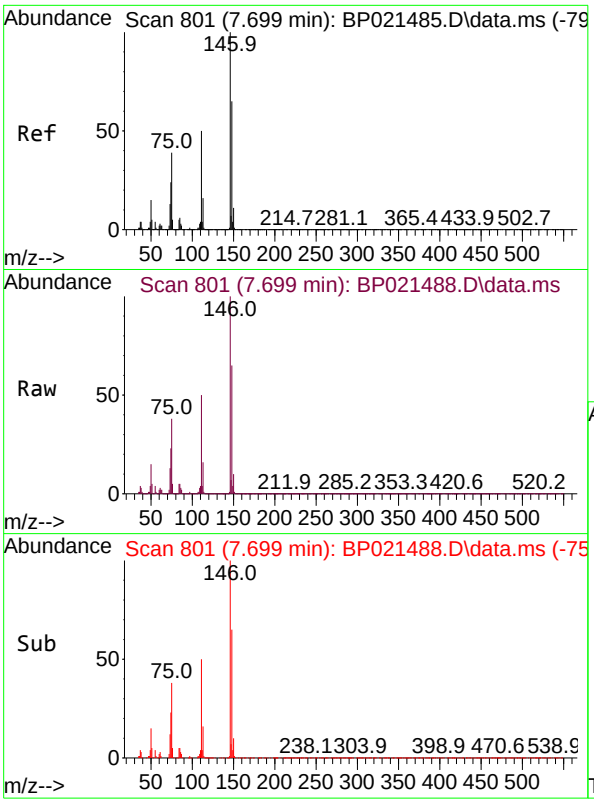


#11
bis(2-Chloroethyl)ether
Concen: 75.997 ng
RT: 7.234 min Scan# 722
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 93 Resp: 2653675

Ion	Ratio	Lower	Upper
93	100		
63	69.6	51.0	91.0
95	32.2	12.9	52.9

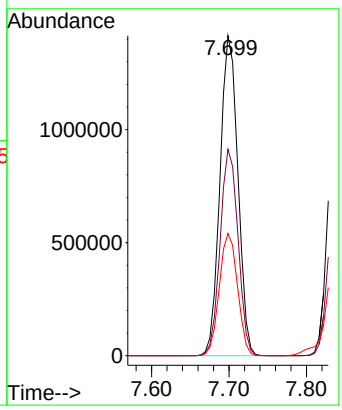




#12
1,3-Dichlorobenzene
Concen: 75.987 ng
RT: 7.699 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:146 Resp: 227863

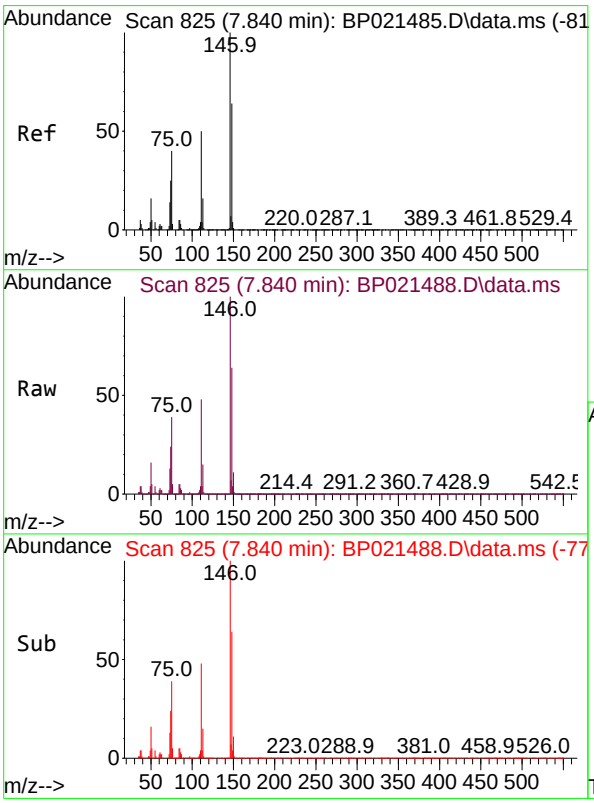
Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.8	77.6
75	38.2	31.3	46.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

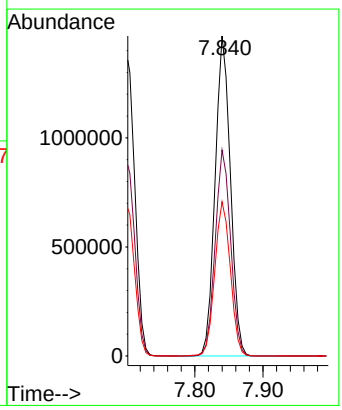
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

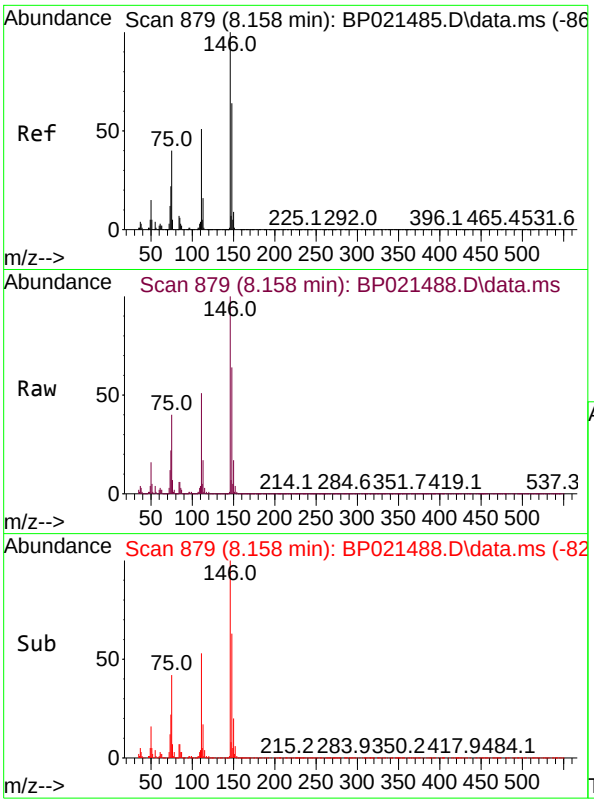


#13
1,4-Dichlorobenzene
Concen: 75.717 ng
RT: 7.840 min Scan# 825
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:146 Resp: 2292726

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	48.2	40.3	60.5

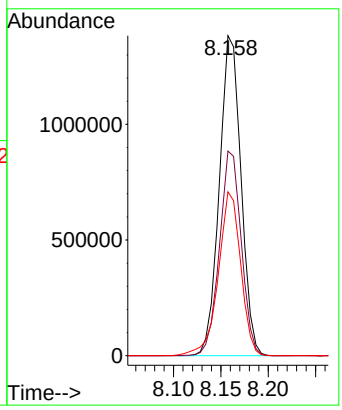




#14
1,2-Dichlorobenzene
Concen: 75.423 ng
RT: 8.158 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:146 Resp: 220085

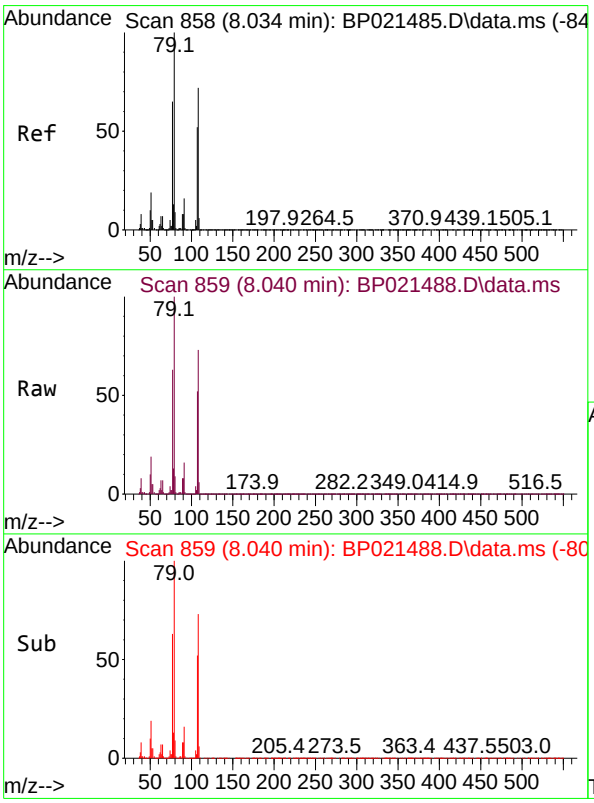
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.5	77.3
111	51.2	41.1	61.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

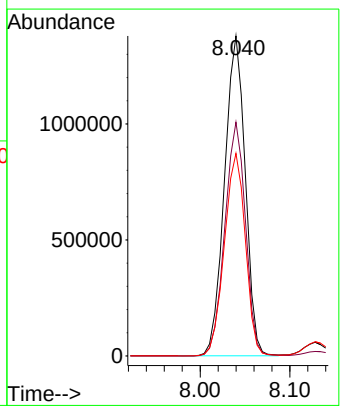
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

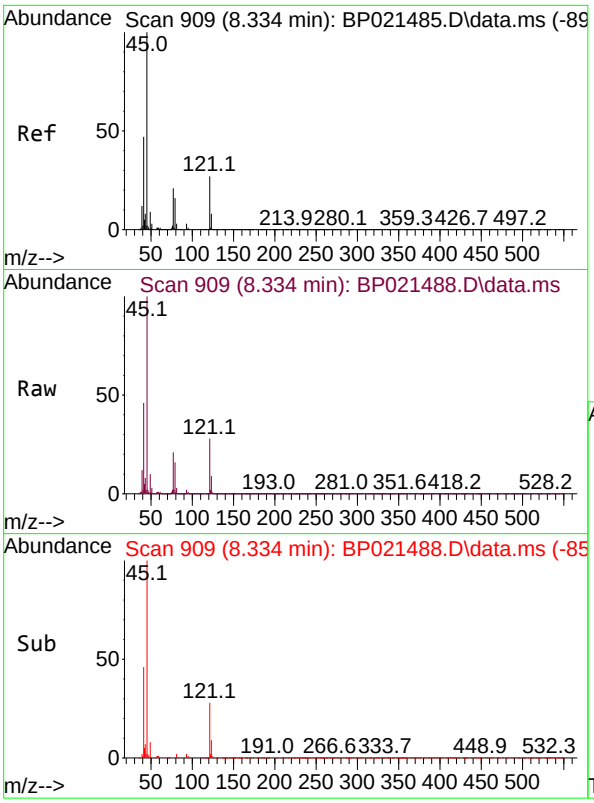


#15
Benzyl Alcohol
Concen: 77.457 ng
RT: 8.040 min Scan# 859
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 79 Resp: 2214742

Ion	Ratio	Lower	Upper
79	100		
108	73.1	57.9	86.9
77	63.3	51.8	77.8





#16
2,2'-oxybis(1-Chloropropane)
Concen: 74.359 ng
RT: 8.334 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

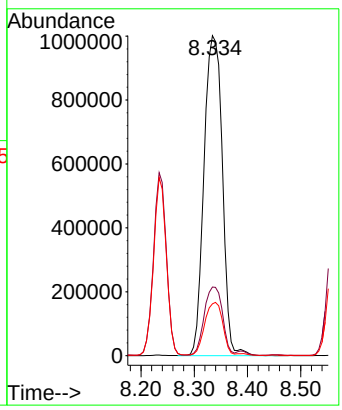
Tgt Ion: 45 Resp: 239117

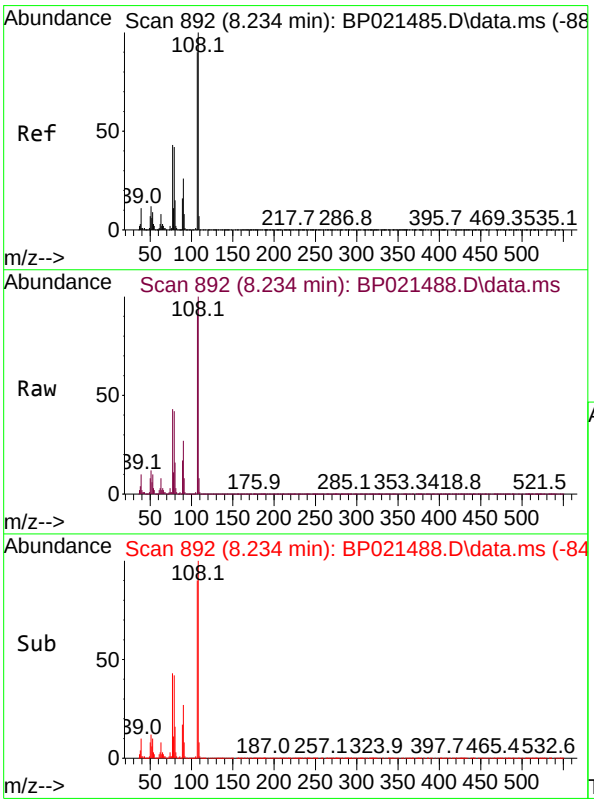
Ion	Ratio	Lower	Upper
45	100		
77	21.4	1.9	41.9
79	16.2	0.0	36.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

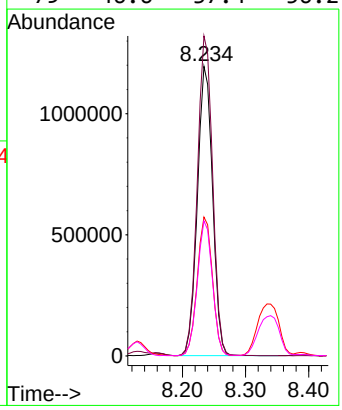


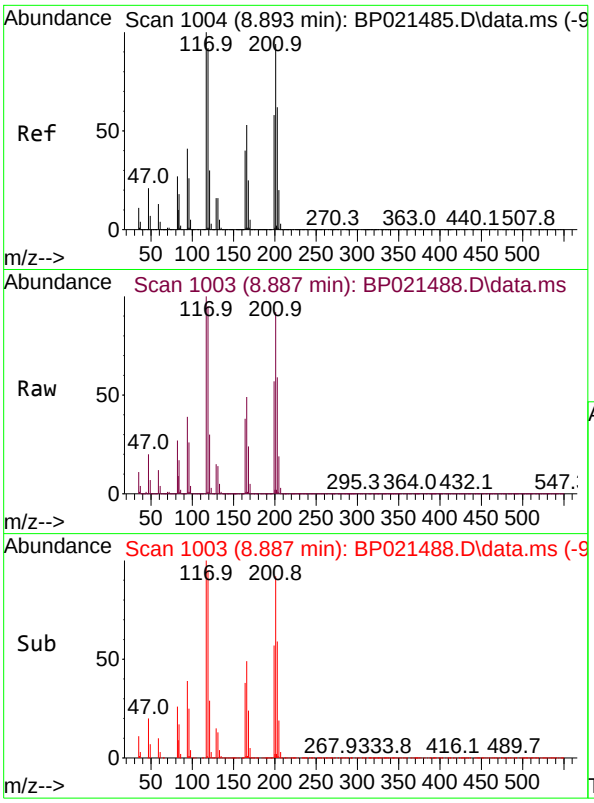


#17
2-Methylphenol
Concen: 76.484 ng
RT: 8.234 min Scan# 892
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:107 Resp: 1995331

Ion	Ratio	Lower	Upper
107	100		
108	110.5	88.8	133.2
77	47.9	38.7	58.1
79	46.6	37.4	56.2

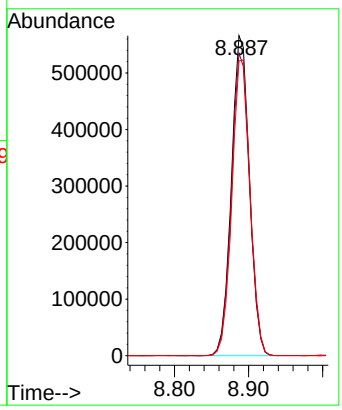




#18
Hexachloroethane
Concen: 78.852 ng
RT: 8.887 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:117 Resp: 95745

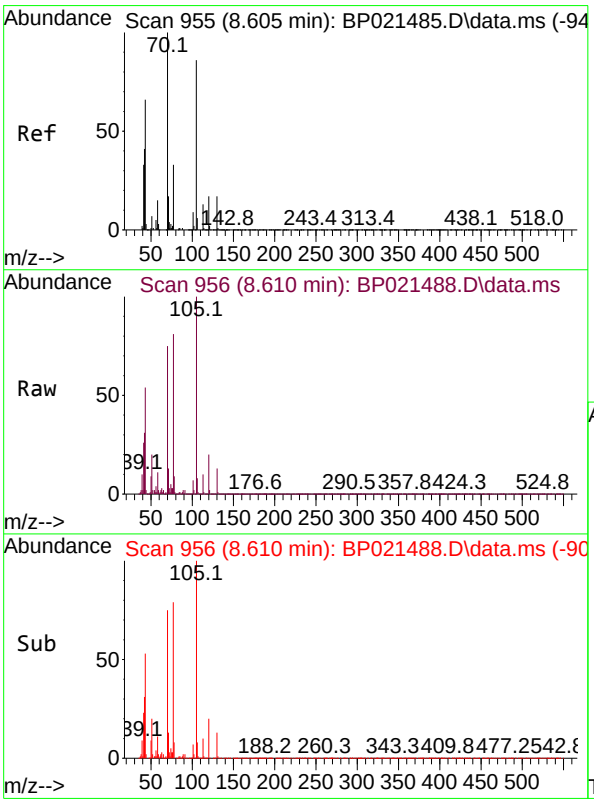
Ion	Ratio	Lower	Upper
117	100		
119	94.5	73.9	110.9
201	92.1	74.9	112.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

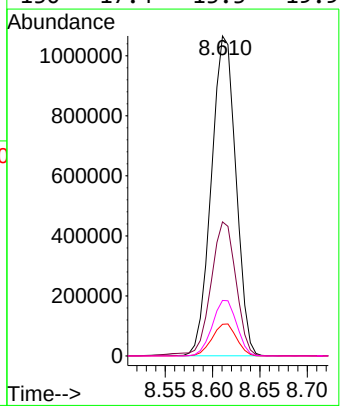
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

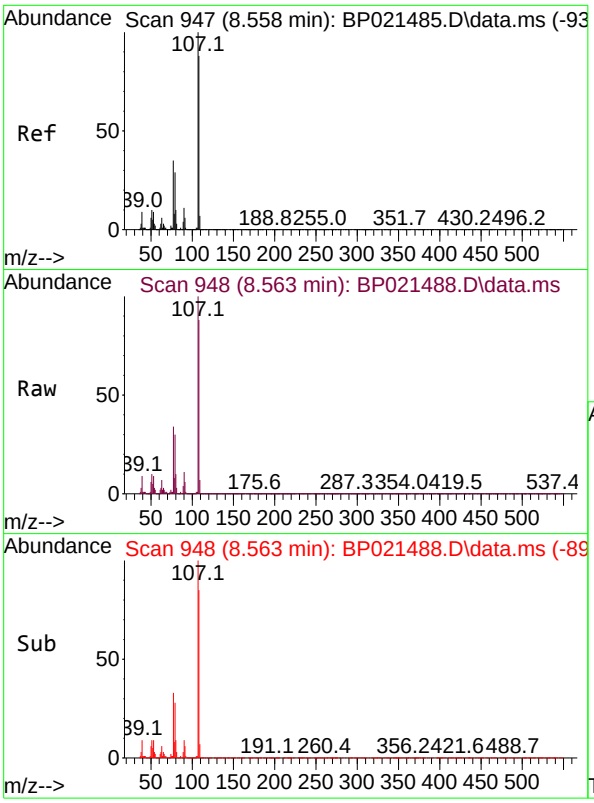


#19
n-Nitroso-di-n-propylamine
Concen: 69.865 ng
RT: 8.610 min Scan# 956
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 70 Resp: 1923242

Ion	Ratio	Lower	Upper
70	100		
42	41.9	33.1	49.7
101	9.9	7.4	11.2
130	17.4	13.3	19.9

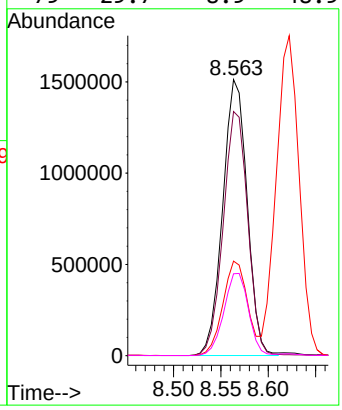




#20
3+4-Methylphenols
Concen: 77.033 ng
RT: 8.563 min Scan# 94
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:107 Resp: 270979

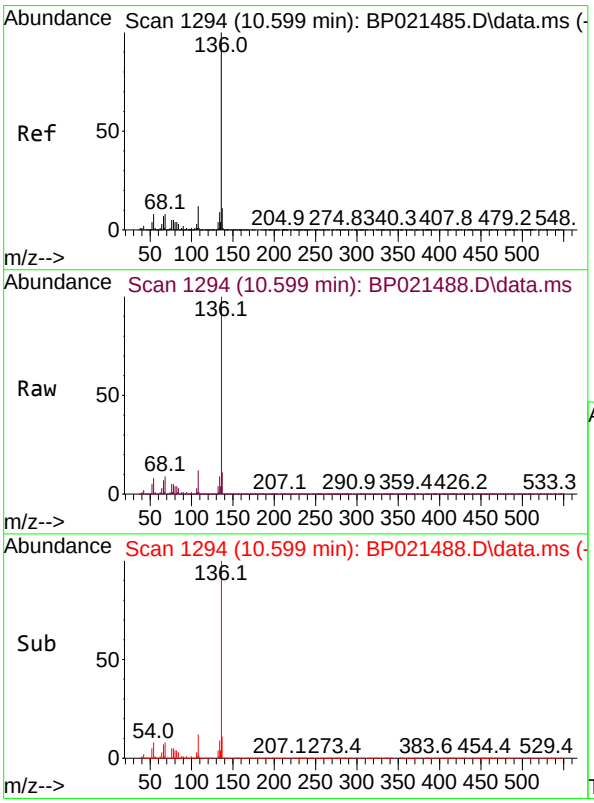
Ion	Ratio	Lower	Upper
107	100		
108	88.4	67.6	107.6
77	34.2	15.0	55.0
79	29.7	8.9	48.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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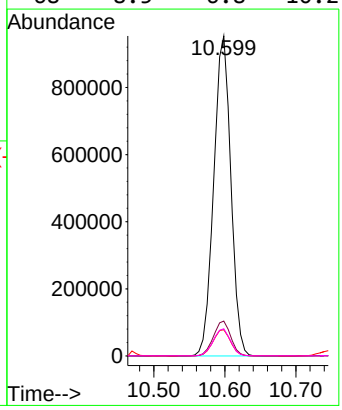
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

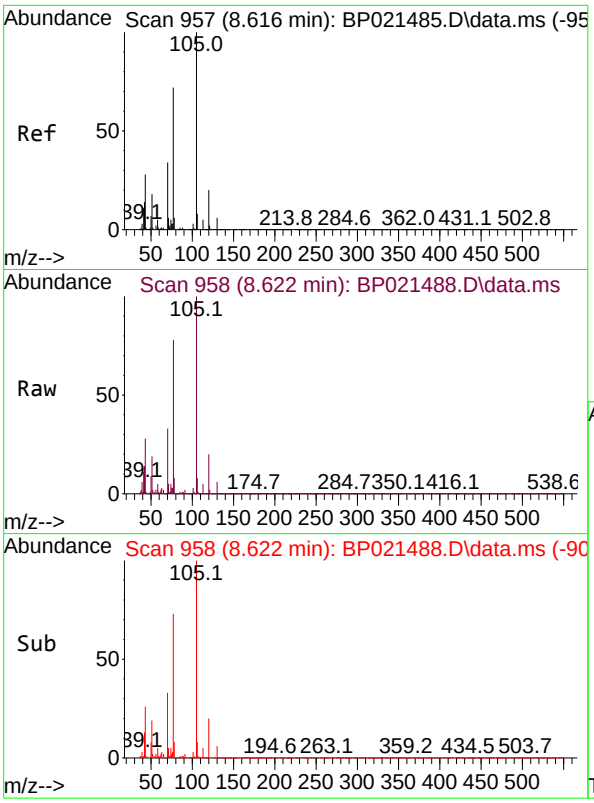


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:136 Resp: 1590621

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.2	6.3	9.5
68	8.5	6.8	10.2

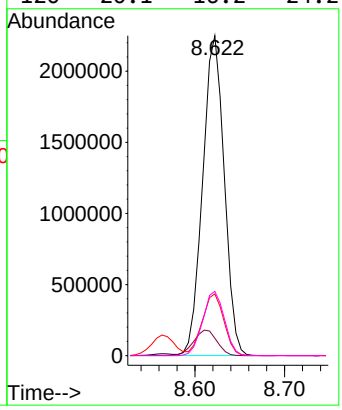




#22
Acetophenone
Concen: 76.808 ng
RT: 8.622 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:105 Resp: 375328

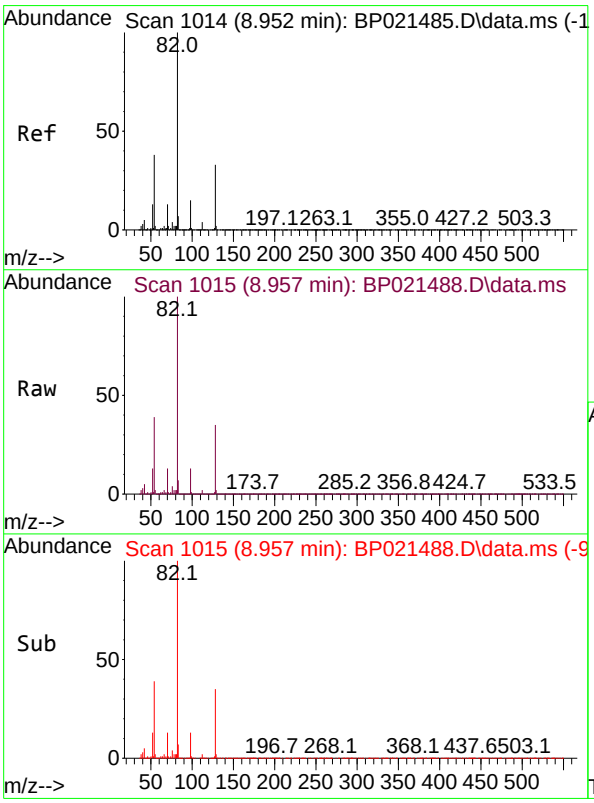
Ion	Ratio	Lower	Upper
105	100		
71	5.5	4.6	7.0
51	19.3	16.3	24.5
120	20.1	16.2	24.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

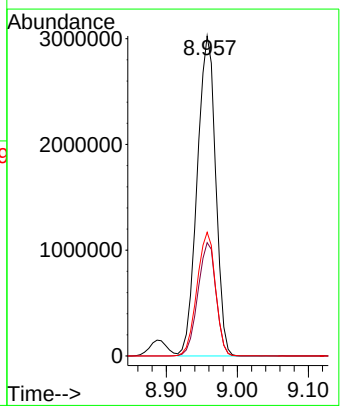
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

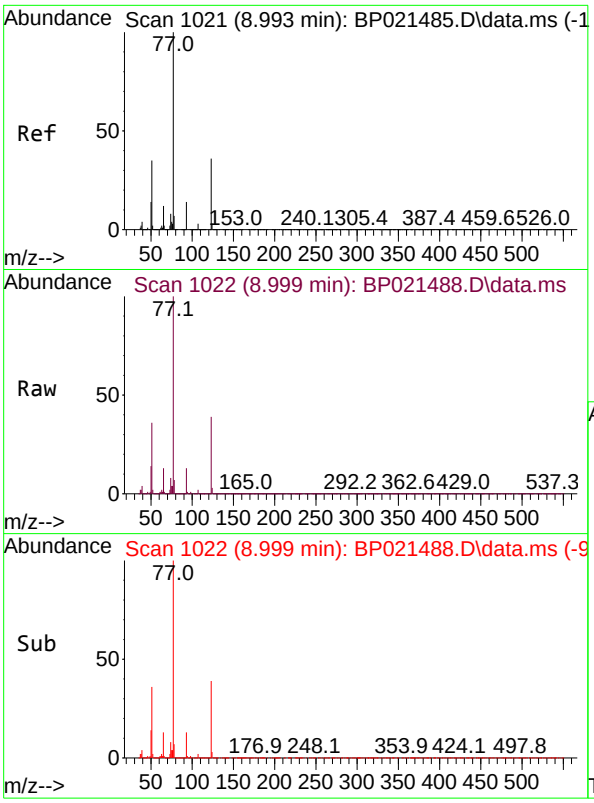


#23
Nitrobenzene-d5
Concen: 177.696 ng
RT: 8.957 min Scan# 1015
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 82 Resp: 5476064

Ion	Ratio	Lower	Upper
82	100		
128	35.4	26.5	39.7
54	38.7	30.3	45.5

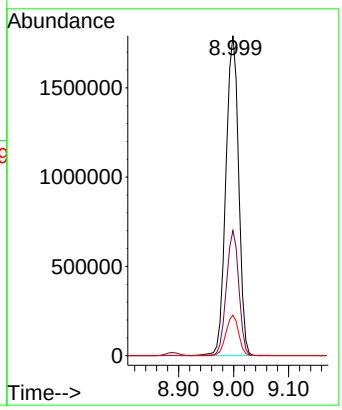




#24
Nitrobenzene
Concen: 86.298 ng
RT: 8.999 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 77 Resp: 288841

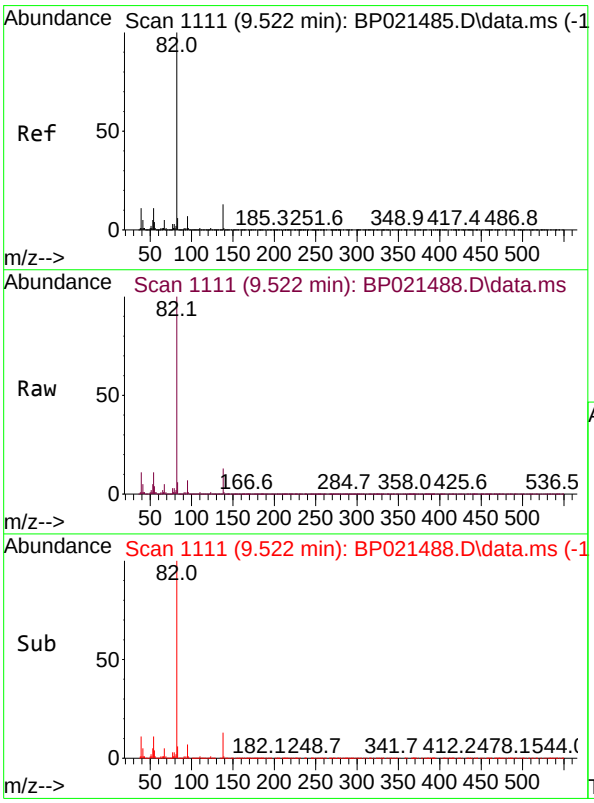
Ion	Ratio	Lower	Upper
77	100		
123	39.1	29.5	44.3
65	12.7	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

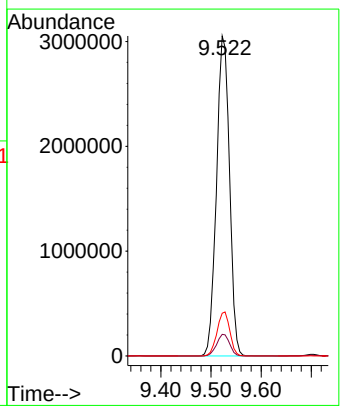
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

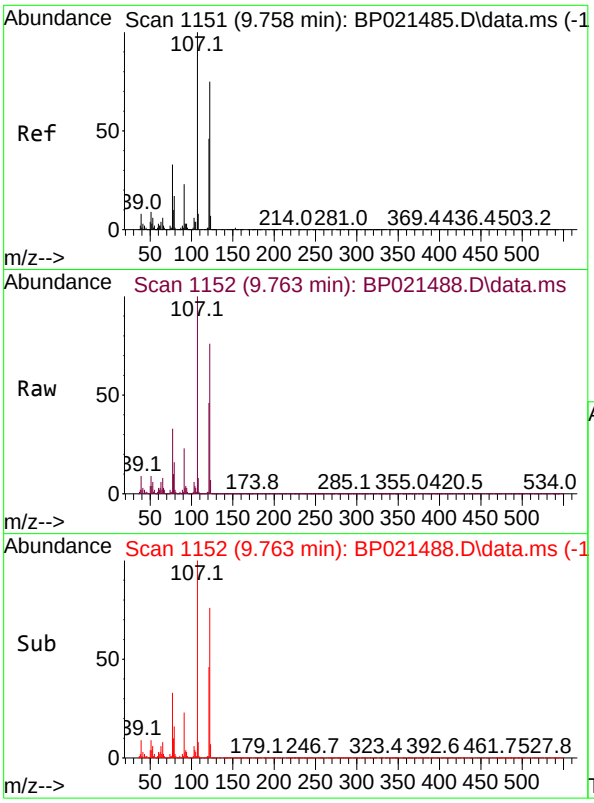


#25
Isophorone
Concen: 75.494 ng
RT: 9.522 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 82 Resp: 5496234

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.3	10.6	16.0

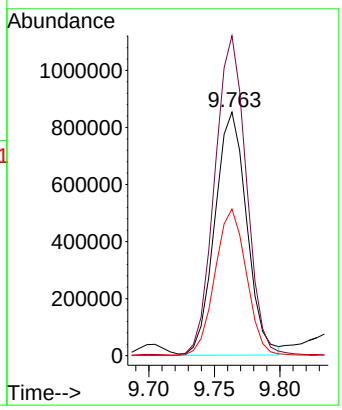




#27
2,4-Dimethylphenol
Concen: 80.354 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:122 Resp: 144372

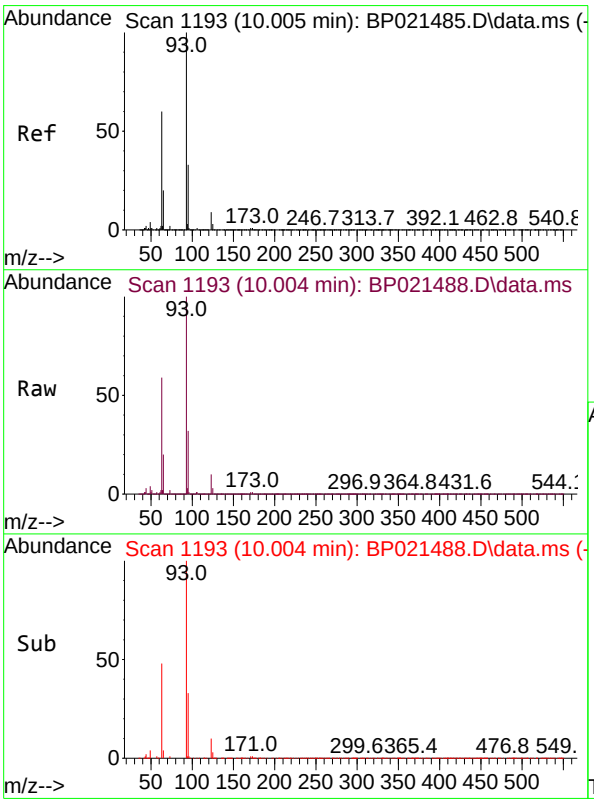
Ion	Ratio	Lower	Upper
122	100		
107	131.4	106.2	159.4
121	60.3	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

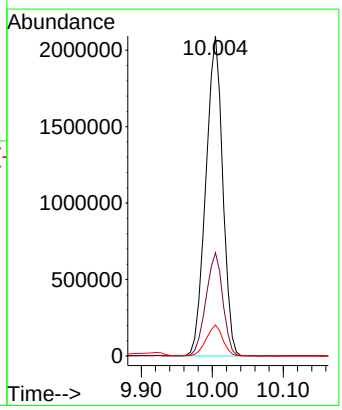
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

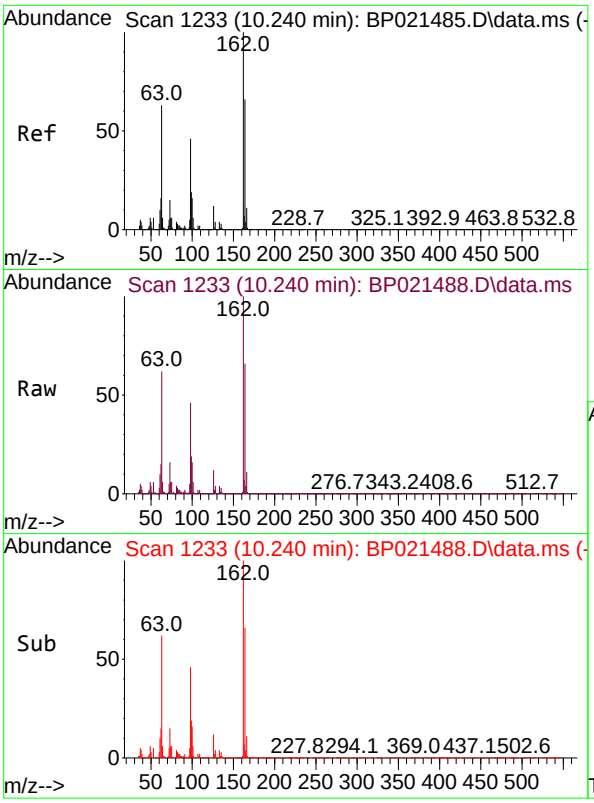


#28
bis(2-Chloroethoxy)methane
Concen: 77.749 ng
RT: 10.004 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 93 Resp: 3455210

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	9.7	7.6	11.4

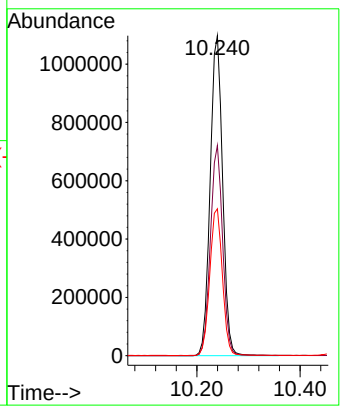




#29
2,4-Dichlorophenol
Concen: 86.313 ng
RT: 10.240 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:162 Resp: 183231

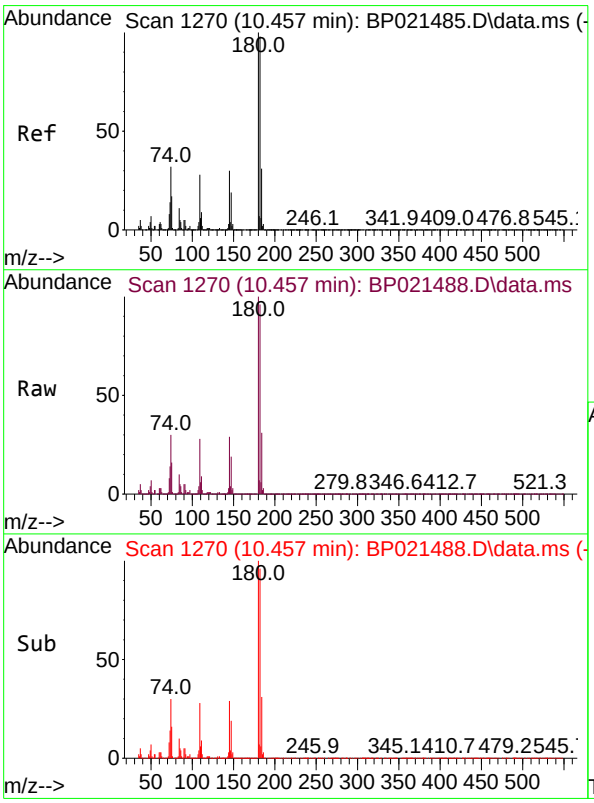
Ion	Ratio	Lower	Upper
162	100		
164	65.7	45.9	85.9
98	45.9	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

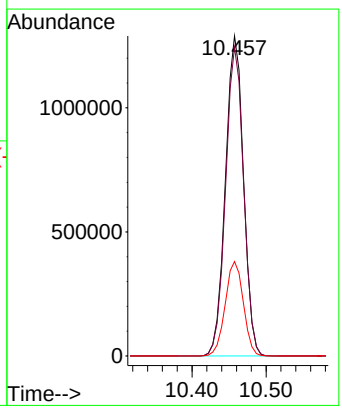
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

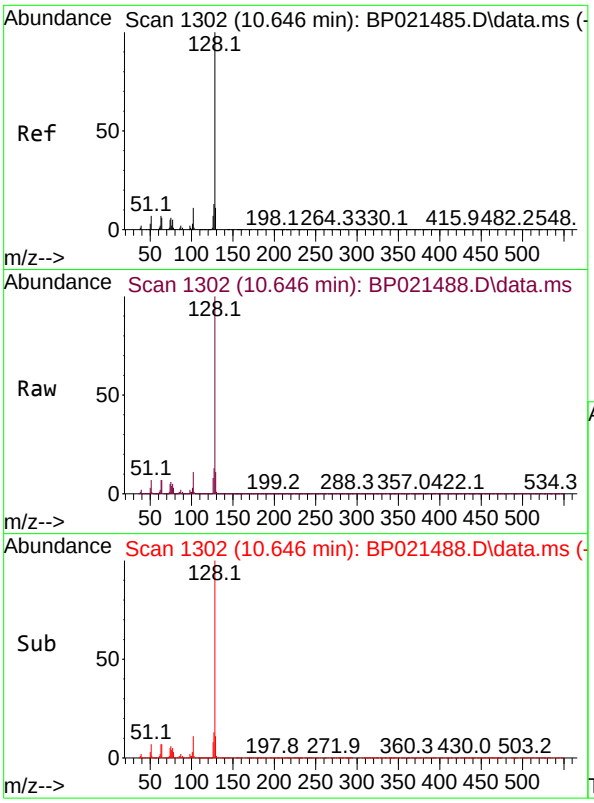


#30
1,2,4-Trichlorobenzene
Concen: 80.153 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:180 Resp: 2181467

Ion	Ratio	Lower	Upper
180	100		
182	96.4	78.3	117.5
145	29.5	24.0	36.0





#31
Naphthalene
Concen: 78.593 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

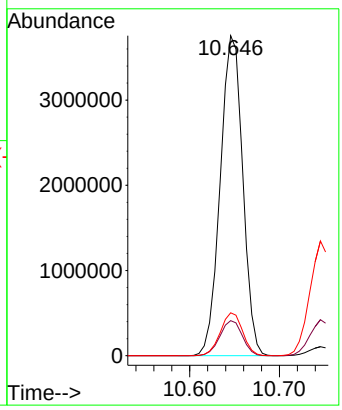
Tgt Ion:128 Resp: 653068

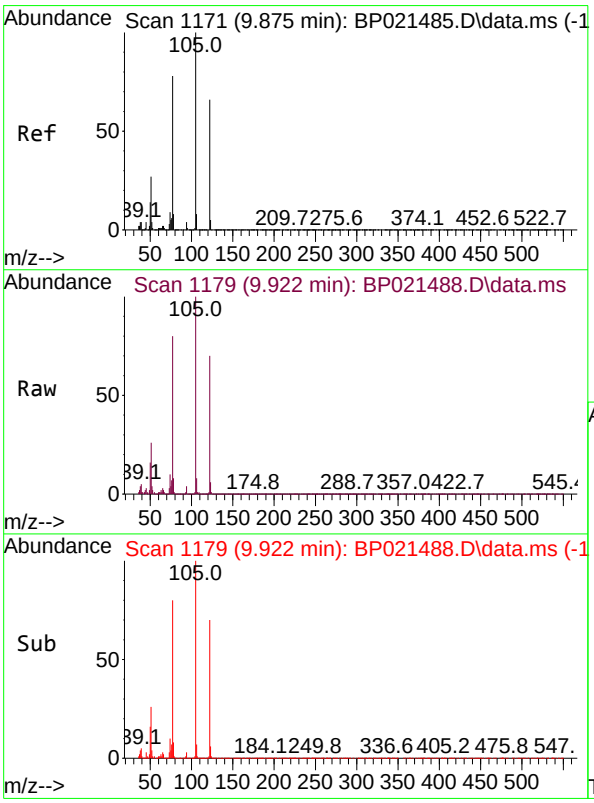
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	12.8
127	13.4	10.6	15.8

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

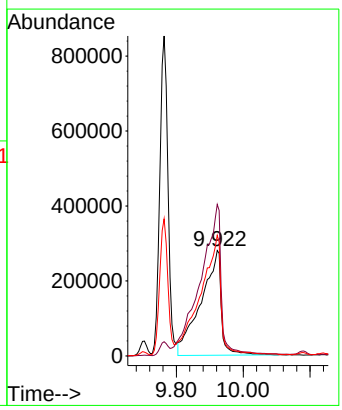


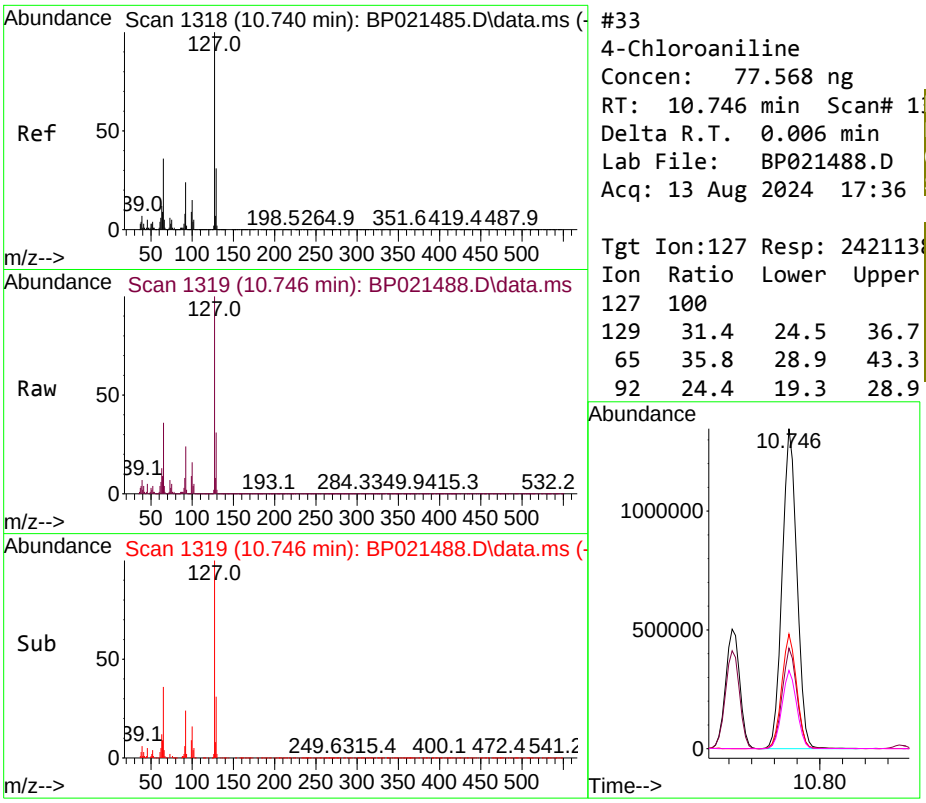


#32
Benzoic acid
Concen: 79.618 ng
RT: 9.922 min Scan# 1179
Delta R.T. 0.047 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:122 Resp: 1191515

Ion	Ratio	Lower	Upper
122	100		
105	143.7	124.6	164.6
77	114.4	96.2	136.2





#33
4-Chloroaniline
Concen: 77.568 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

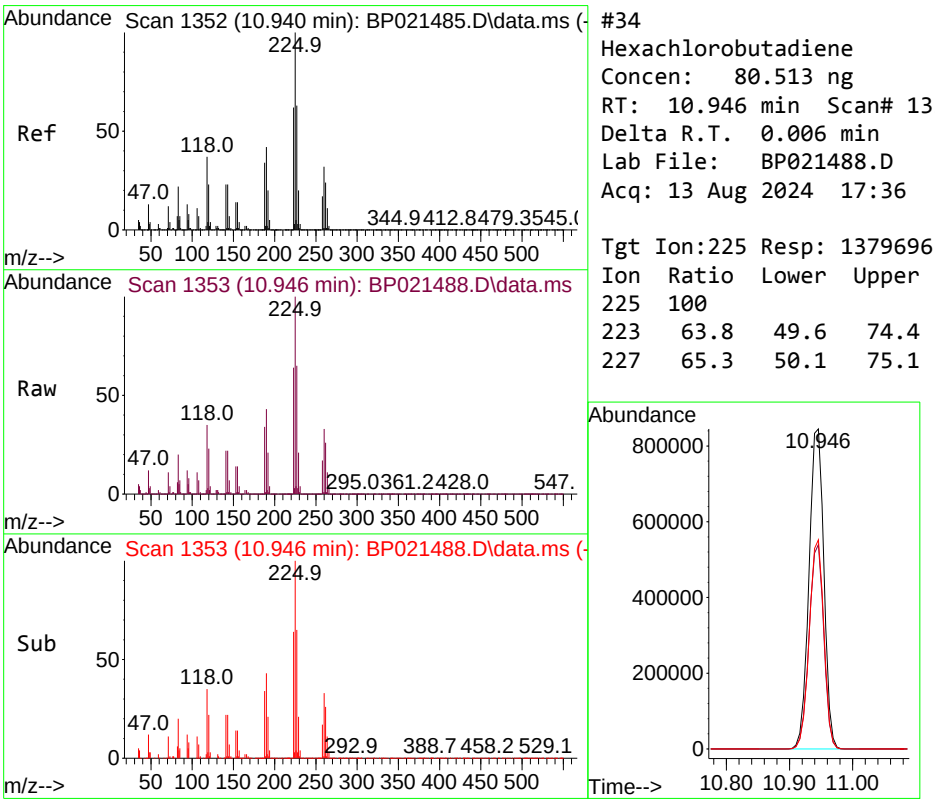
Tgt Ion:127 Resp: 242113

Ion	Ratio	Lower	Upper
127	100		
129	31.4	24.5	36.7
65	35.8	28.9	43.3
92	24.4	19.3	28.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

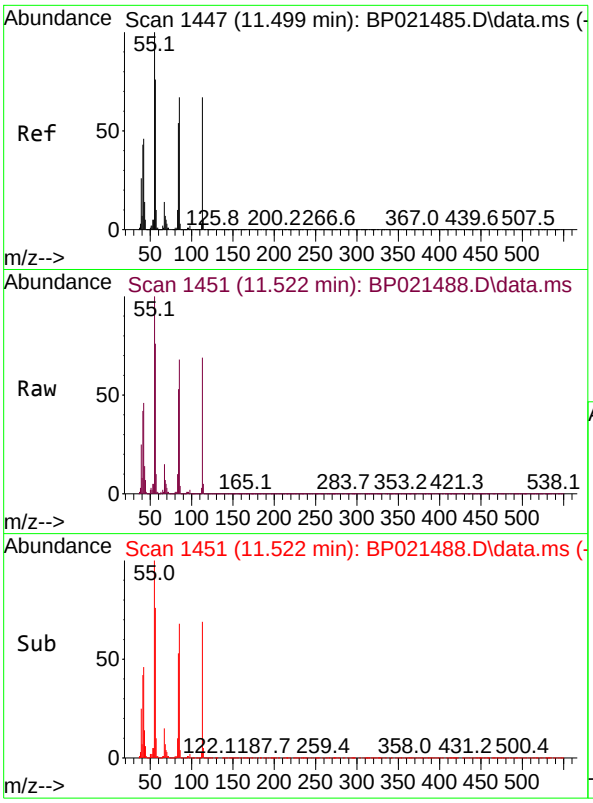
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#34
Hexachlorobutadiene
Concen: 80.513 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:225 Resp: 1379696

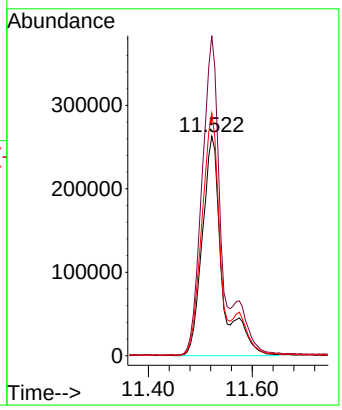
Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.6	74.4
227	65.3	50.1	75.1



#35
Caprolactam
Concen: 79.529 ng m
RT: 11.522 min Scan# 14
Delta R.T. 0.023 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:113 Resp: 70263

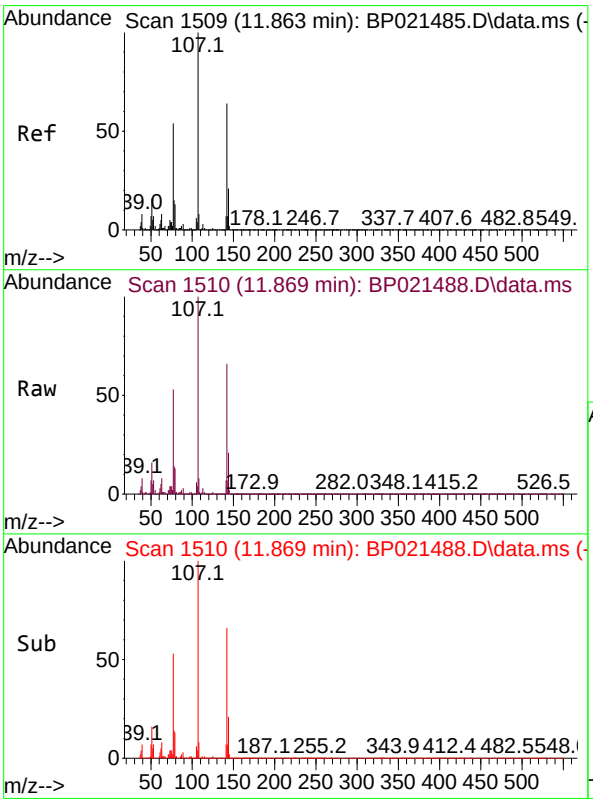
Ion	Ratio	Lower	Upper
113	100		
55	145.9	130.6	170.6
56	110.6	94.6	134.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

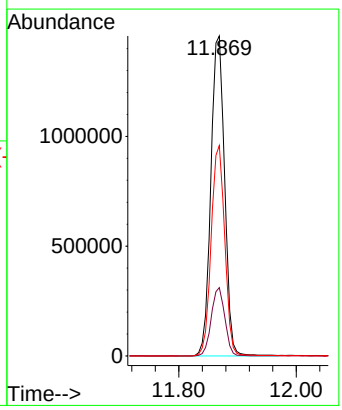
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

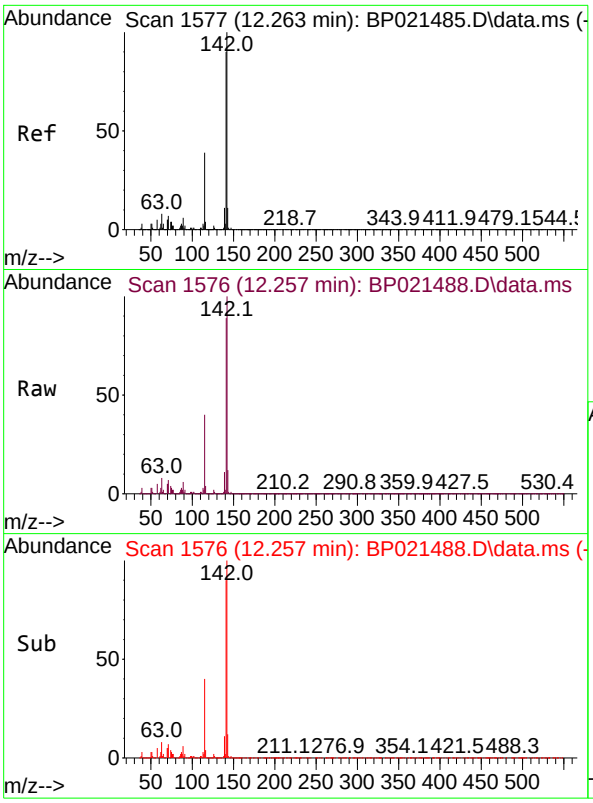


#36
4-Chloro-3-methylphenol
Concen: 80.436 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:107 Resp: 2368621

Ion	Ratio	Lower	Upper
107	100		
144	21.4	16.6	24.8
142	65.8	51.0	76.4

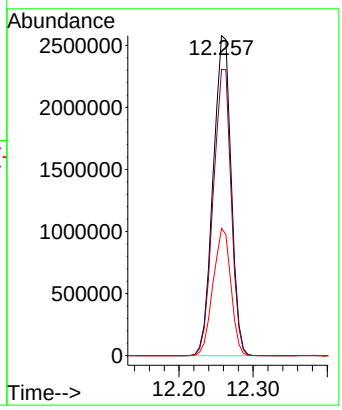




#37
2-Methylnaphthalene
Concen: 76.659 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:142 Resp: 434743

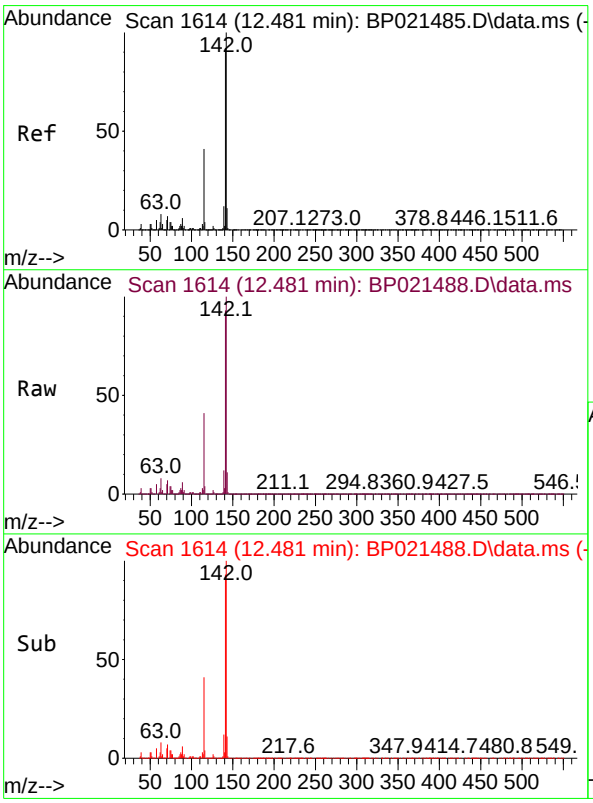
Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.7	107.5
115	39.8	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

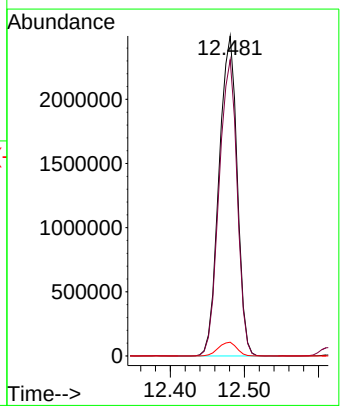
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

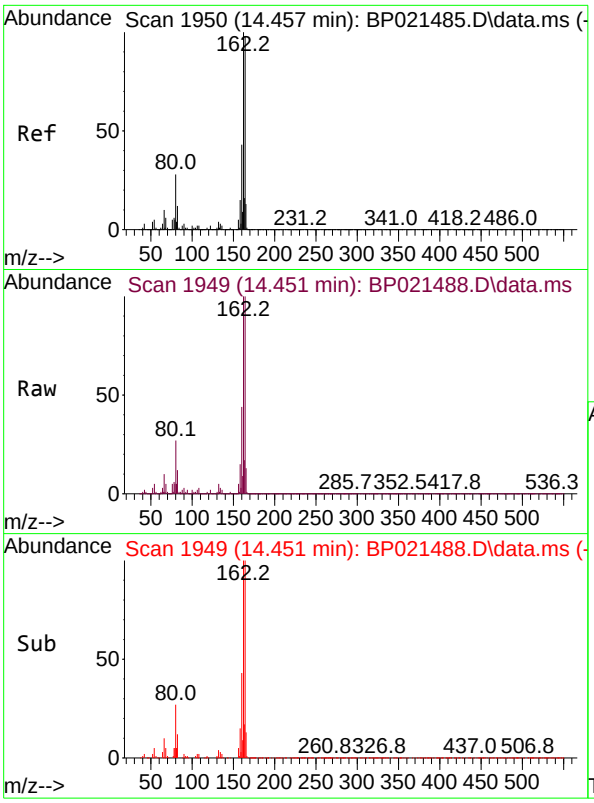


#38
1-Methylnaphthalene
Concen: 75.769 ng
RT: 12.481 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:142 Resp: 4237982

Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.5	110.3
116	4.3	3.4	5.2

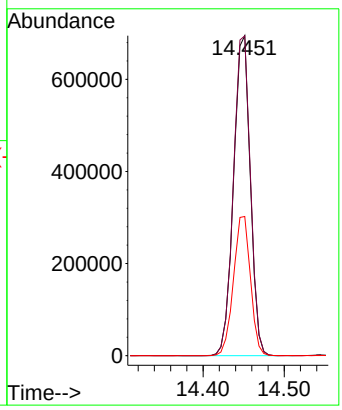




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:164 Resp: 99193

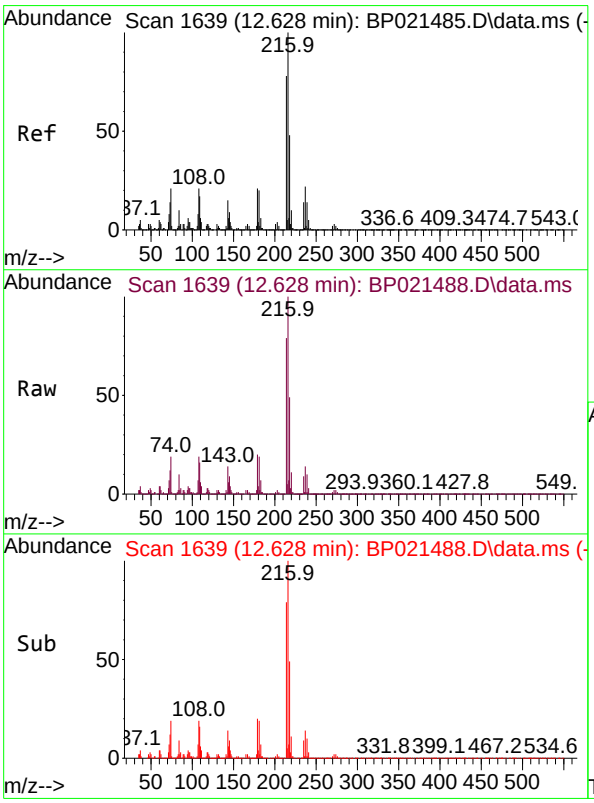
Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.5	122.3
160	43.5	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

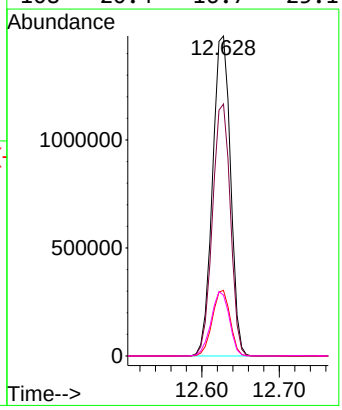
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

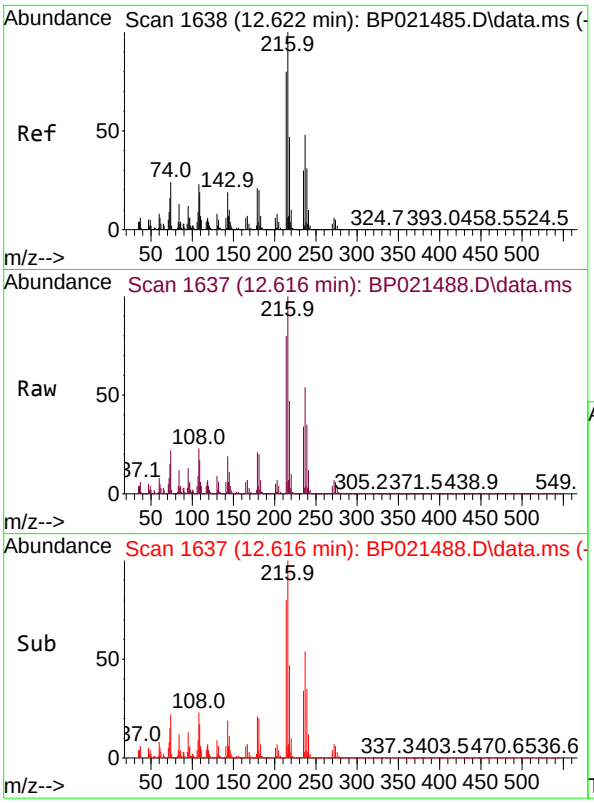


#40
1,2,4,5-Tetrachlorobenzene
Concen: 82.416 ng
RT: 12.628 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:216 Resp: 2395337

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.5	93.7
179	20.3	16.4	24.6
108	20.4	16.7	25.1

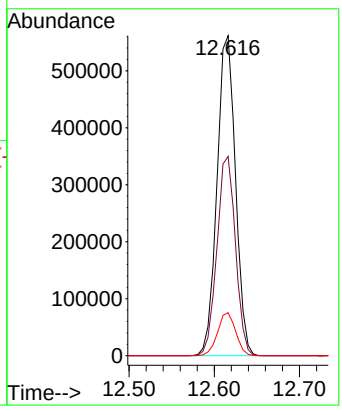




#41
Hexachlorocyclopentadiene
Concen: 91.971 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:237 Resp: 84718

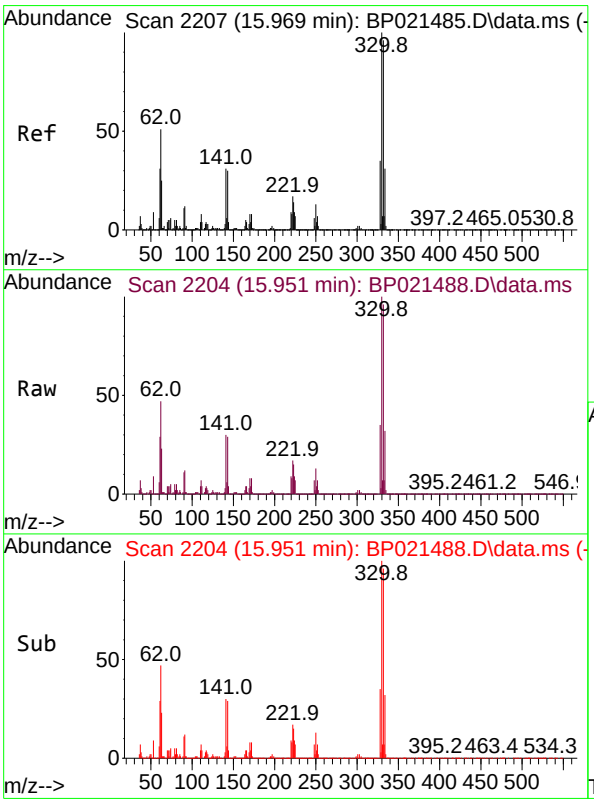
Ion	Ratio	Lower	Upper
237	100		
235	62.3	43.9	83.9
272	13.4	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

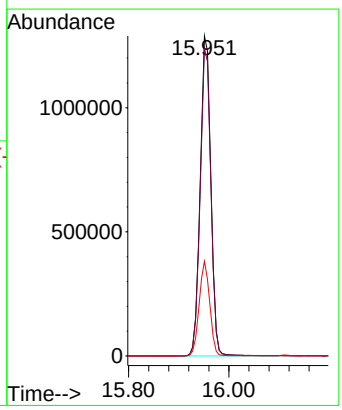
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

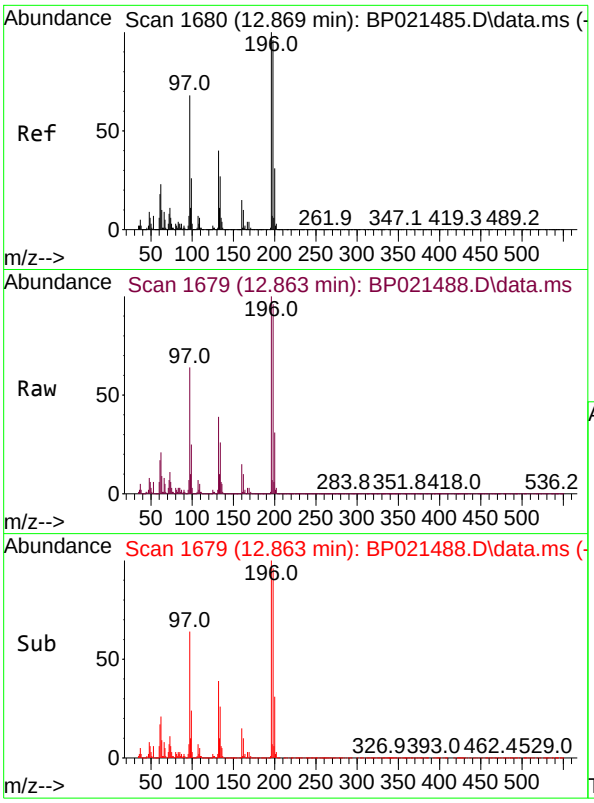


#42
2,4,6-Tribromophenol
Concen: 172.341 ng
RT: 15.951 min Scan# 2204
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:330 Resp: 1902622

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.4	116.0
141	29.3	24.5	36.7

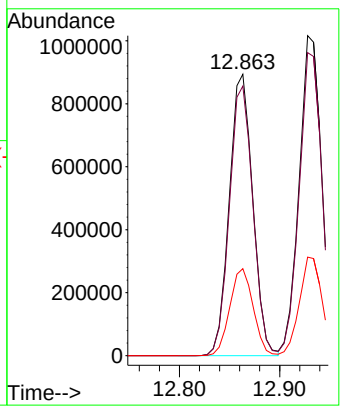




#43
2,4,6-Trichlorophenol
Concen: 90.107 ng
RT: 12.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

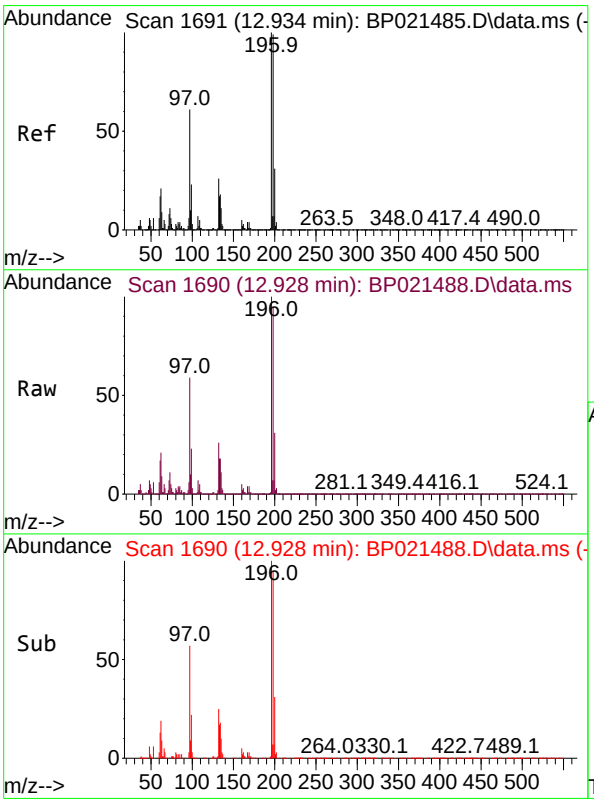
Tgt Ion:196 Resp: 145474

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.6	114.8
200	30.9	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

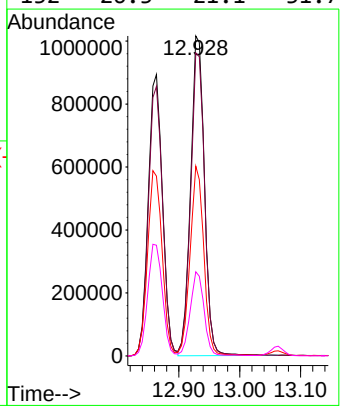
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

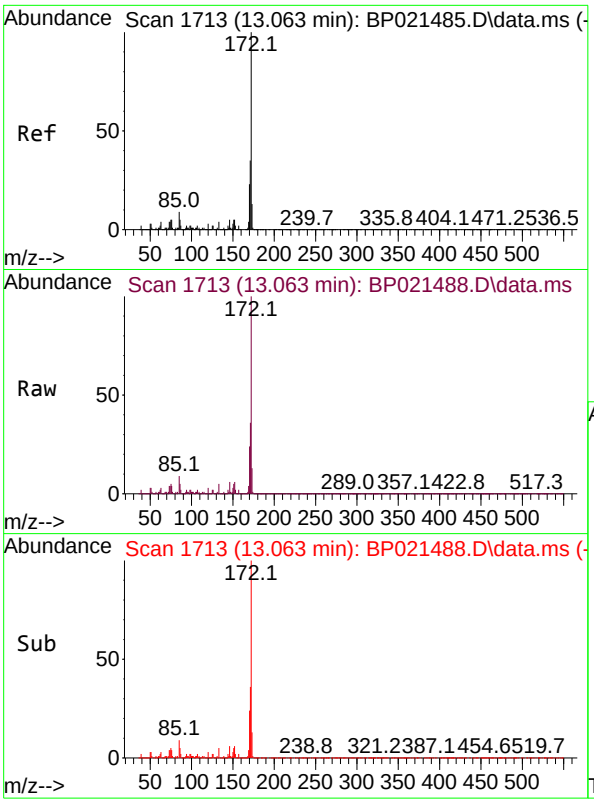


#44
2,4,5-Trichlorophenol
Concen: 89.412 ng
RT: 12.928 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:196 Resp: 1603816

Ion	Ratio	Lower	Upper
196	100		
198	94.7	78.9	118.3
97	59.3	49.4	74.0
132	26.3	21.1	31.7

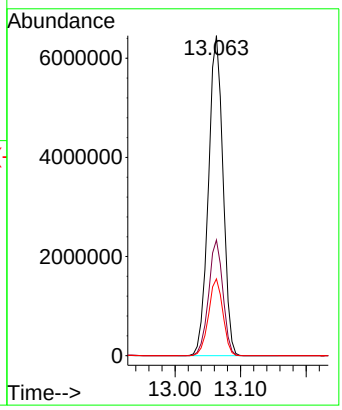




#45
2-Fluorobiphenyl
Concen: 153.020 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:172 Resp: 994568

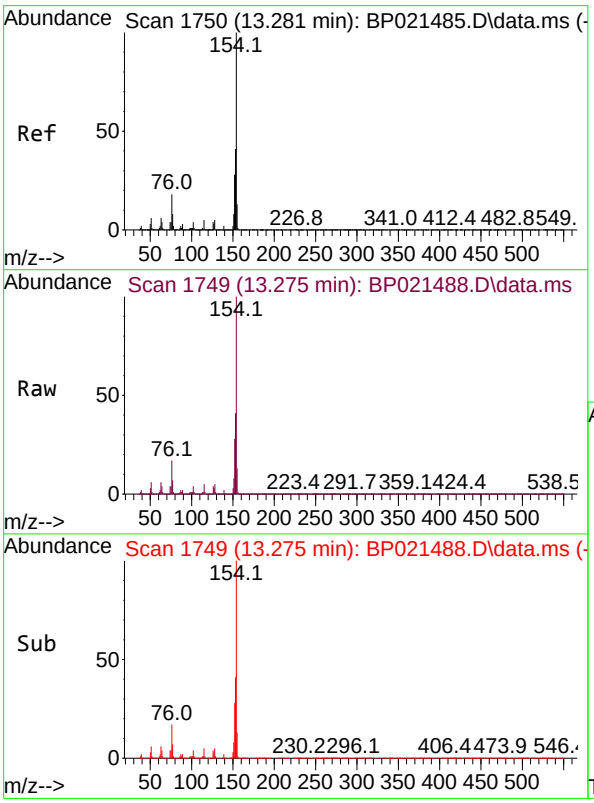
Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.4
170	24.0	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

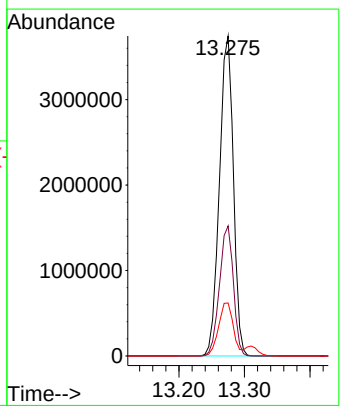
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

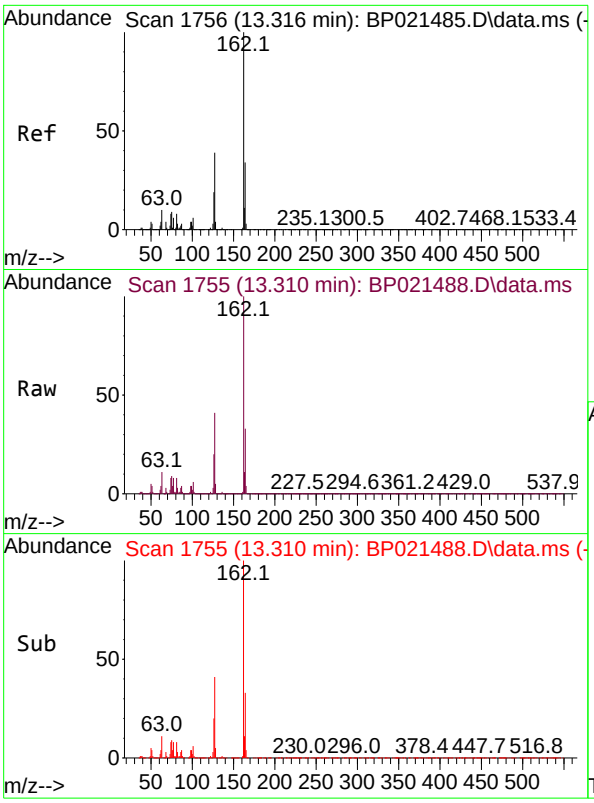


#46
1,1'-Biphenyl
Concen: 78.343 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:154 Resp: 5498161

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.7	60.7
76	16.6	0.0	37.7

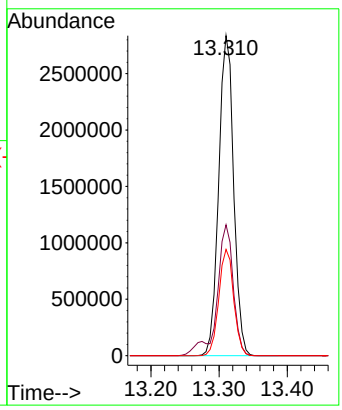




#47
2-Chloronaphthalene
Concen: 78.980 ng
RT: 13.310 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:162 Resp: 431530

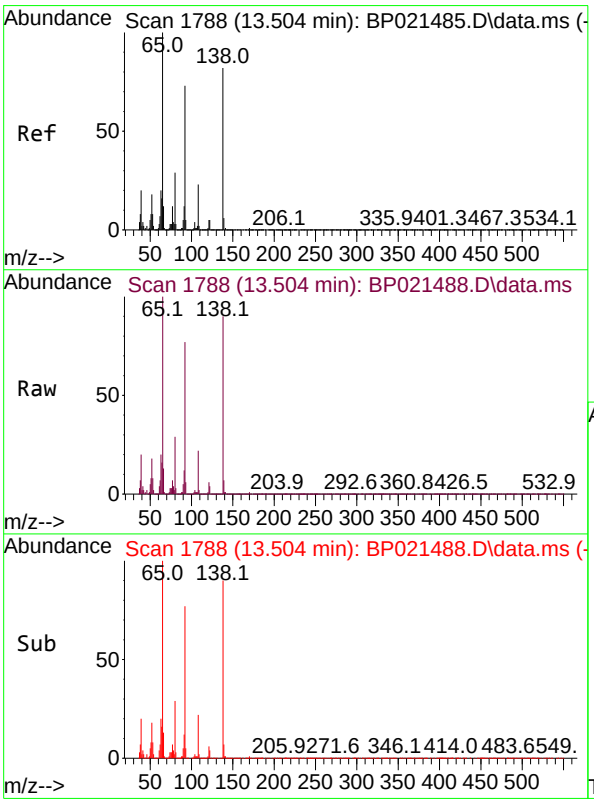
Ion	Ratio	Lower	Upper
162	100		
127	40.9	31.9	47.9
164	33.2	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

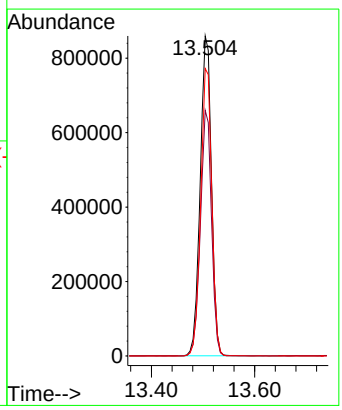
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

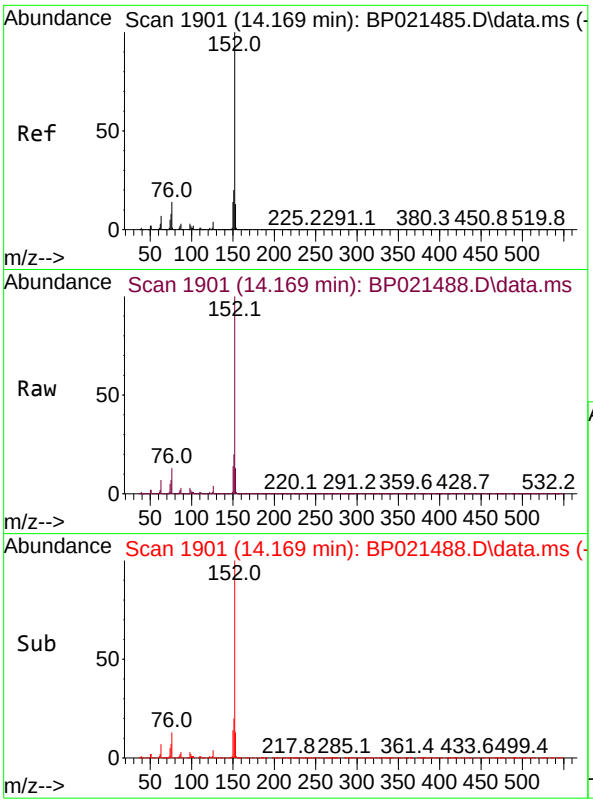


#48
2-Nitroaniline
Concen: 81.000 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 65 Resp: 1301093

Ion	Ratio	Lower	Upper
65	100		
92	76.7	58.1	87.1
138	89.8	65.5	98.3

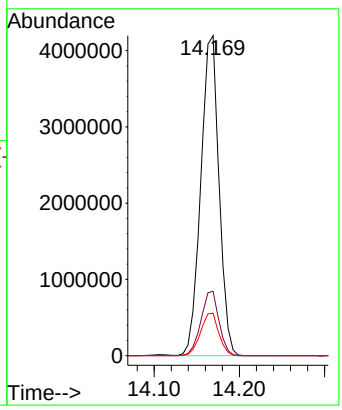




#49
Acenaphthylene
Concen: 77.556 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:152 Resp: 622937

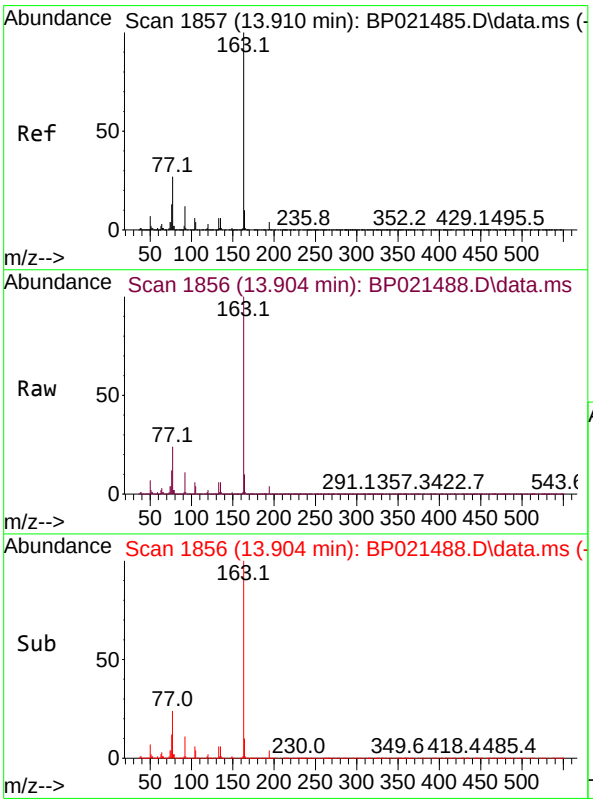
Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

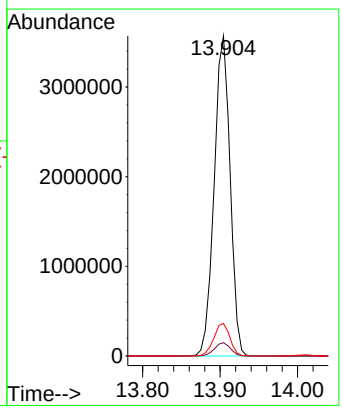
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

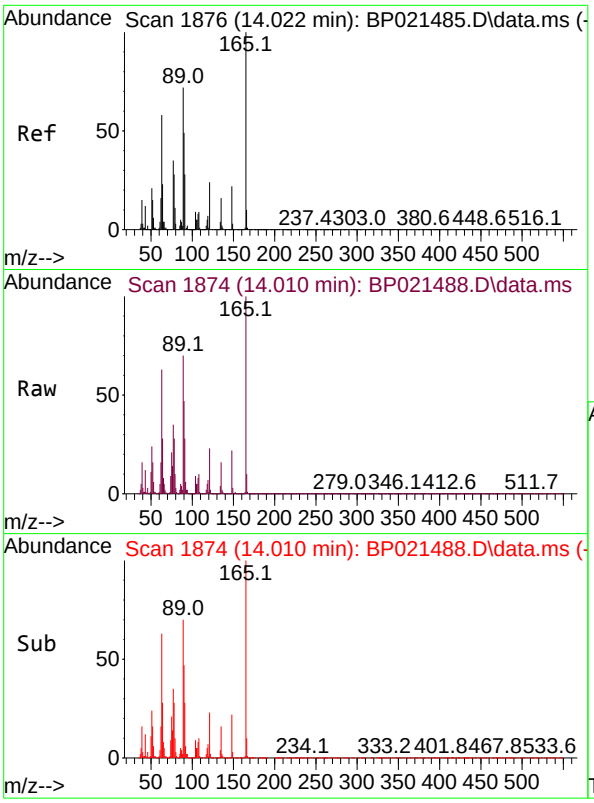


#50
Dimethylphthalate
Concen: 76.844 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:163 Resp: 5104657

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.2	8.3	12.5

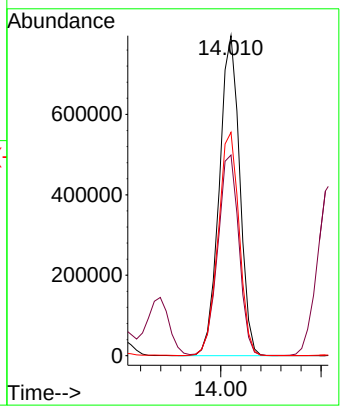




#51
2,6-Dinitrotoluene
Concen: 80.745 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:165 Resp: 112187

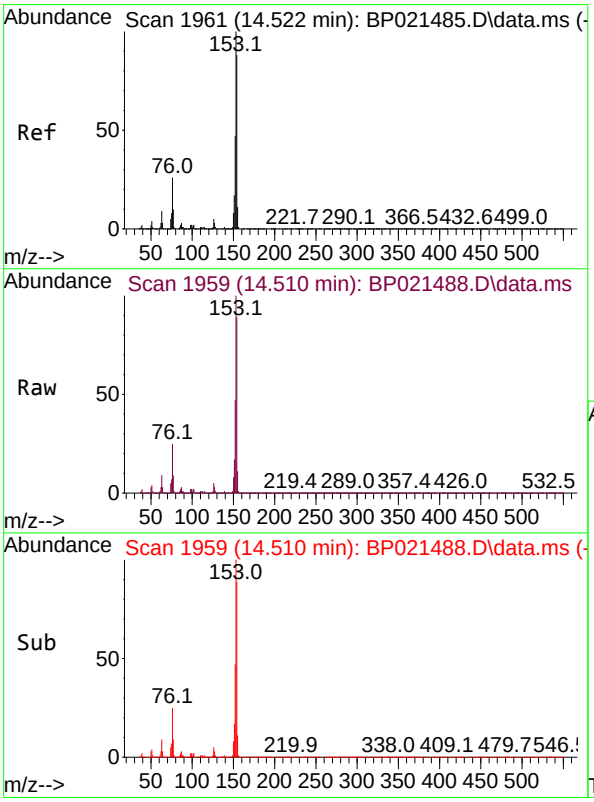
Ion	Ratio	Lower	Upper
165	100		
63	62.7	51.5	77.3
89	69.8	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

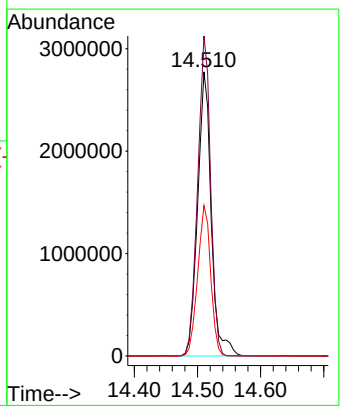
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

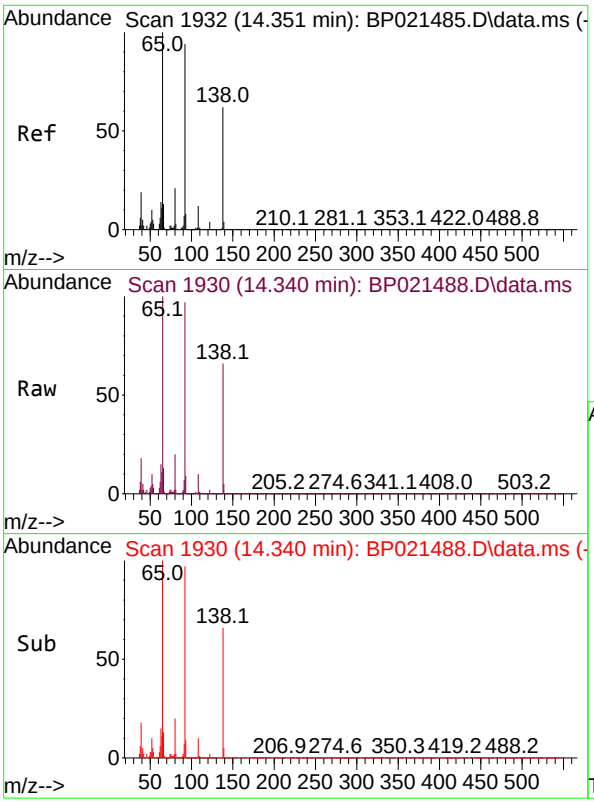


#52
Acenaphthene
Concen: 78.480 ng
RT: 14.510 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:154 Resp: 4136001

Ion	Ratio	Lower	Upper
154	100		
153	112.6	91.1	136.7
152	52.9	43.0	64.4

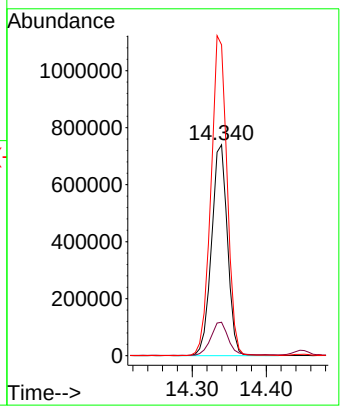




#53
3-Nitroaniline
Concen: 80.567 ng
RT: 14.340 min Scan# 1
Delta R.T. -0.011 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:138 Resp: 110015

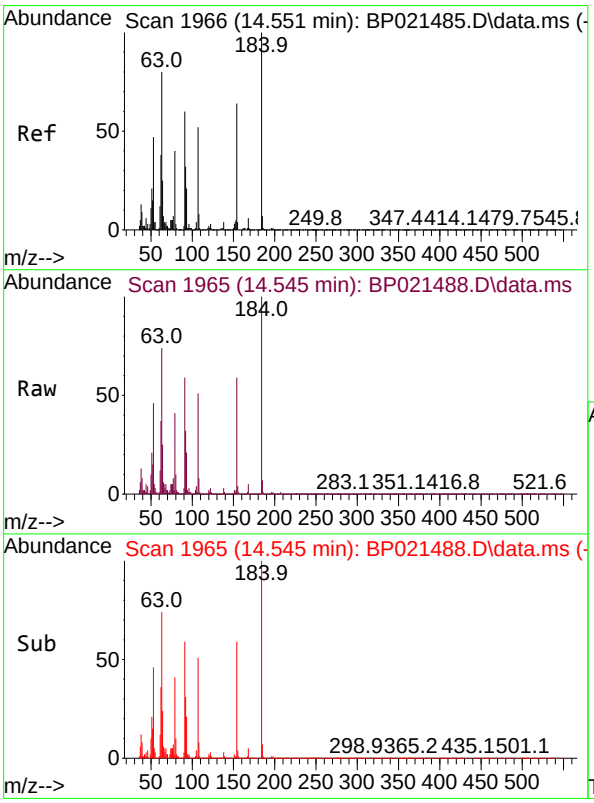
Ion	Ratio	Lower	Upper
138	100		
108	15.9	16.2	24.4
92	147.4	122.2	183.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

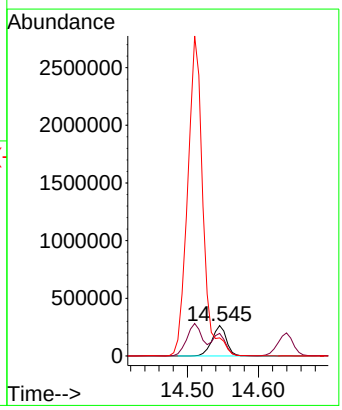
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

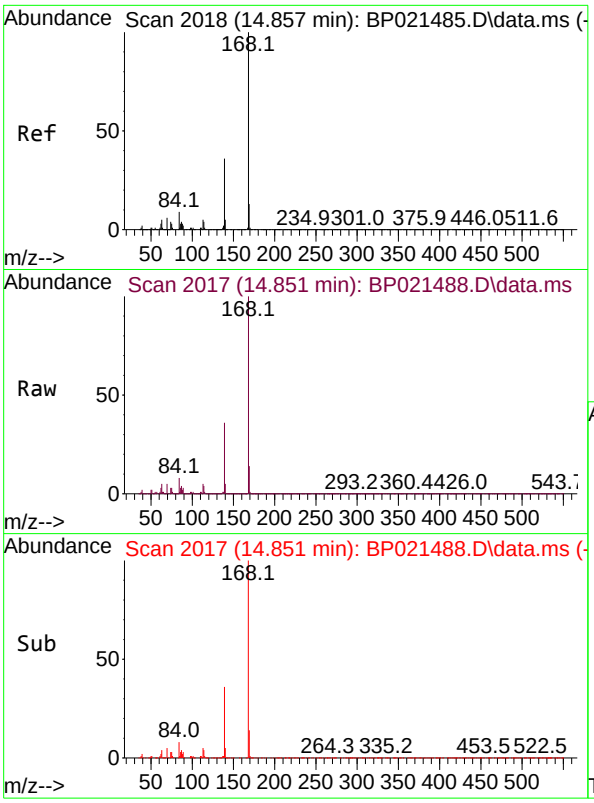


#54
2,4-Dinitrophenol
Concen: 79.528 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:184 Resp: 370353

Ion	Ratio	Lower	Upper
184	100		
63	74.3	64.9	97.3
154	59.3	52.1	78.1

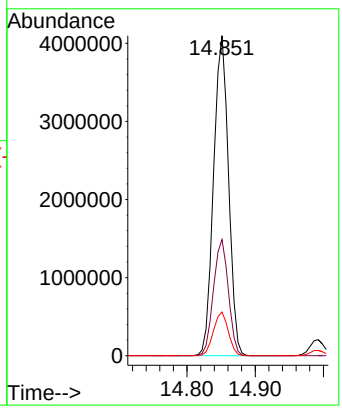




#55
Dibenzofuran
Concen: 77.067 ng
RT: 14.851 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:168 Resp: 624795

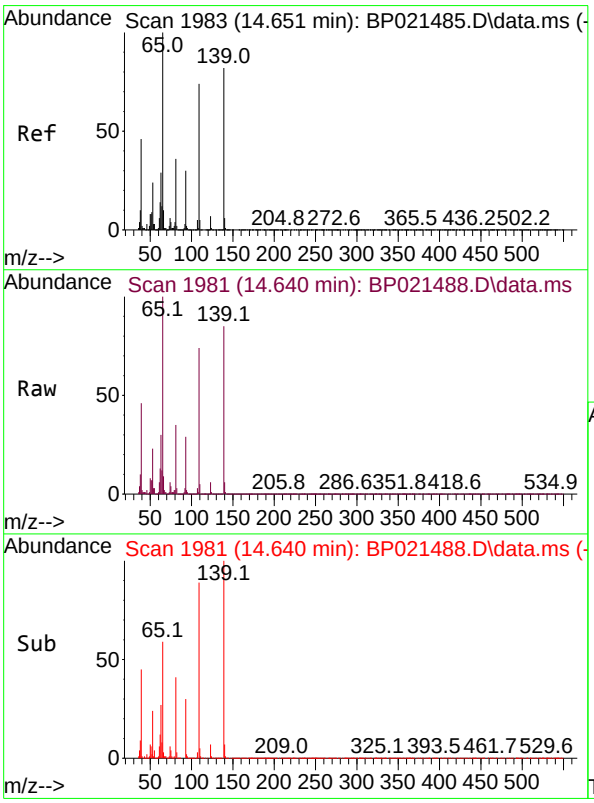
Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.6	43.0
169	13.7	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

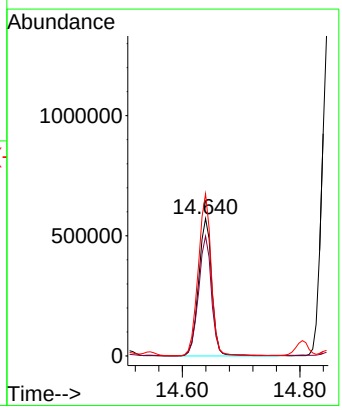
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

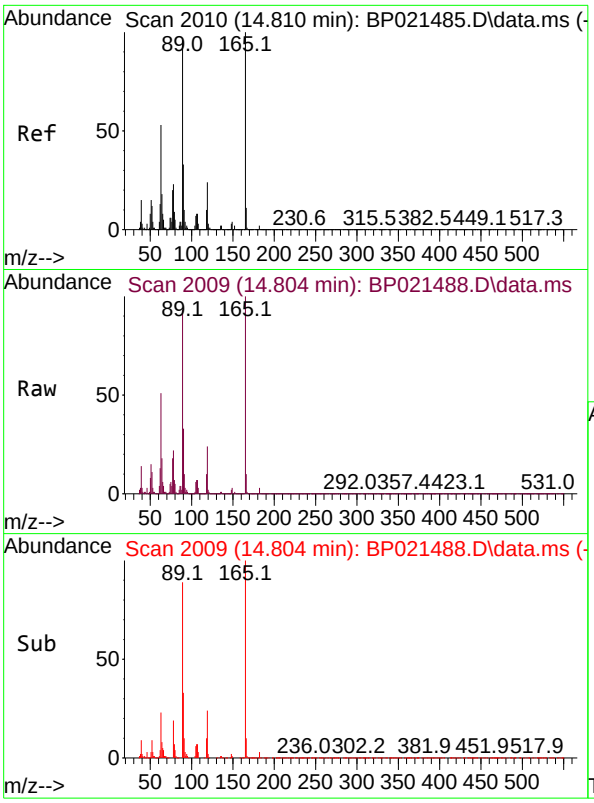


#56
4-Nitrophenol
Concen: 80.388 ng
RT: 14.640 min Scan# 1981
Delta R.T. -0.011 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:139 Resp: 885944

Ion	Ratio	Lower	Upper
139	100		
109	87.2	70.2	110.2
65	117.9	101.8	141.8

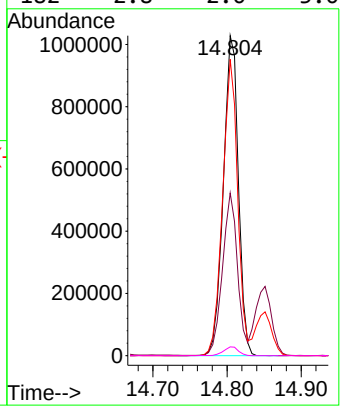




#57
2,4-Dinitrotoluene
Concen: 81.172 ng
RT: 14.804 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:165 Resp: 144969

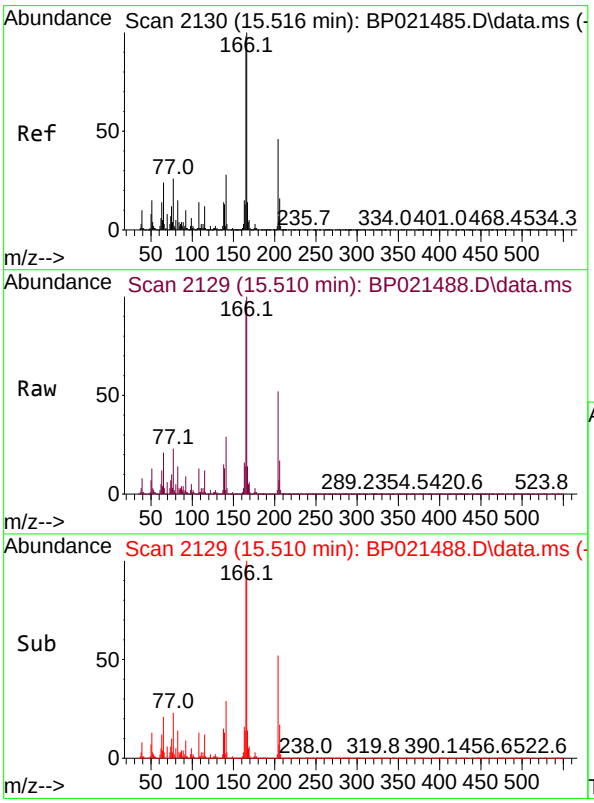
Ion	Ratio	Lower	Upper
165	100		
63	50.8	42.5	63.7
89	92.6	77.1	115.7
182	2.8	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

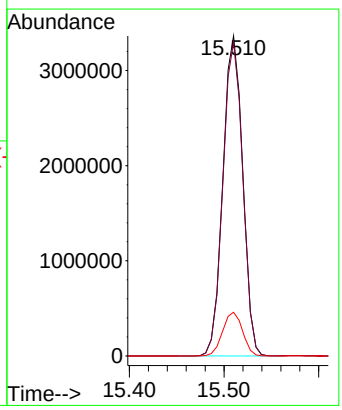
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

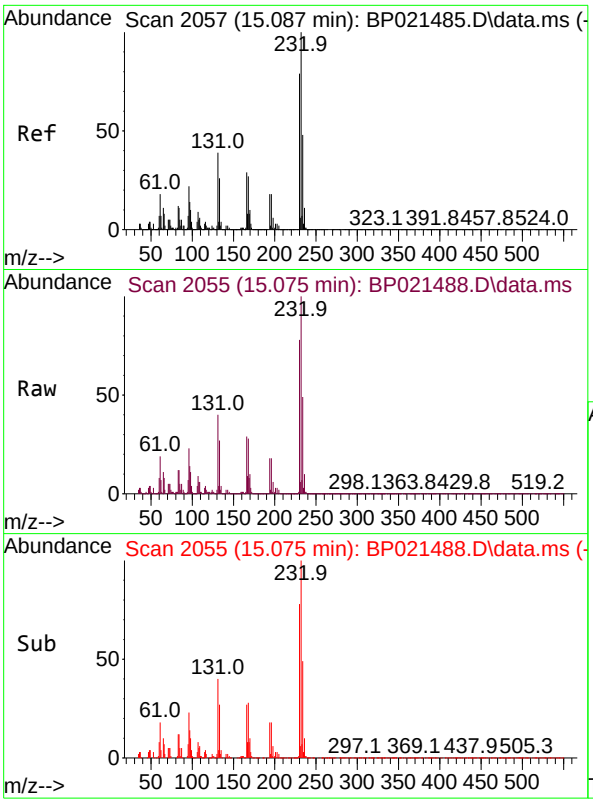


#58
Fluorene
Concen: 73.441 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:166 Resp: 4891299

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.1	117.1
167	13.6	11.0	16.4

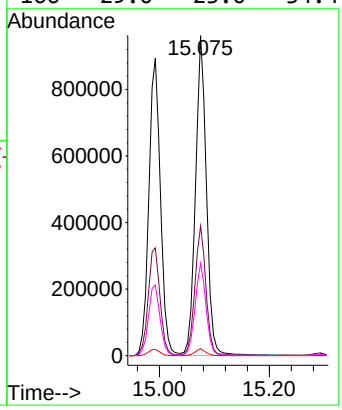




#59
2,3,4,6-Tetrachlorophenol
Concen: 86.863 ng
RT: 15.075 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:232 Resp: 132248

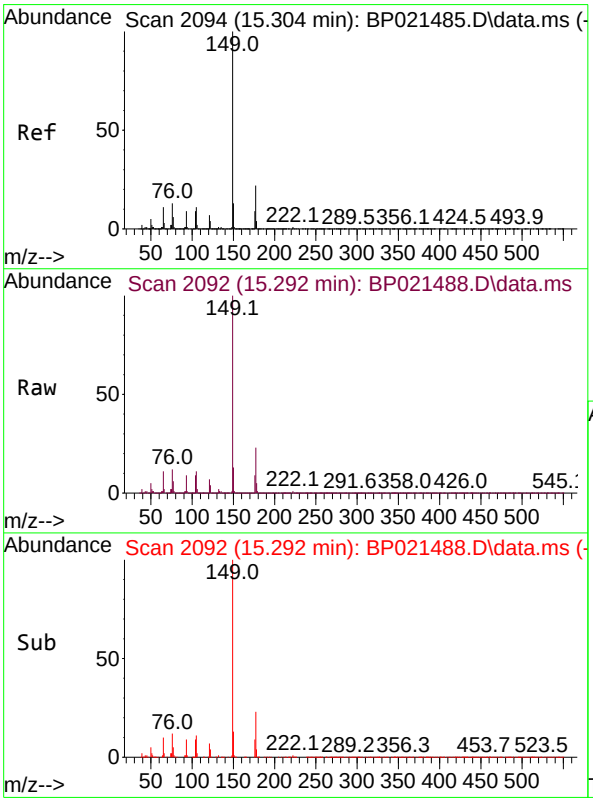
Ion	Ratio	Lower	Upper
232	100		
131	41.2	33.1	49.7
130	2.1	1.7	2.5
166	29.0	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

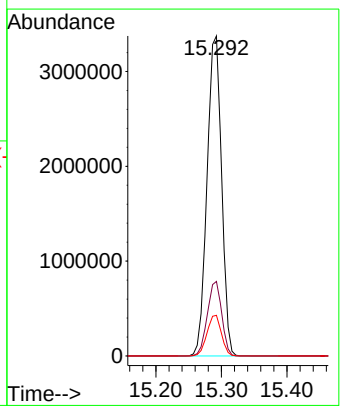
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

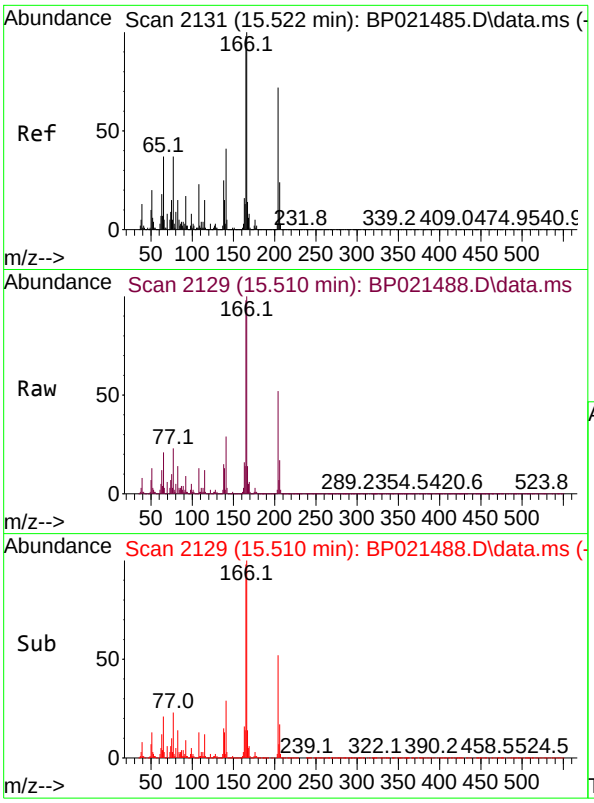


#60
Diethylphthalate
Concen: 76.268 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 5198353

Ion	Ratio	Lower	Upper
149	100		
177	23.3	17.8	26.8
150	12.7	10.1	15.1

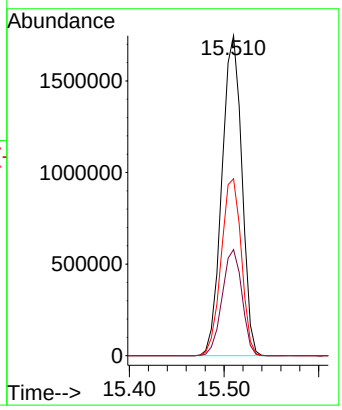




#61
4-Chlorophenyl-phenylether
Concen: 74.256 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:204 Resp: 255641

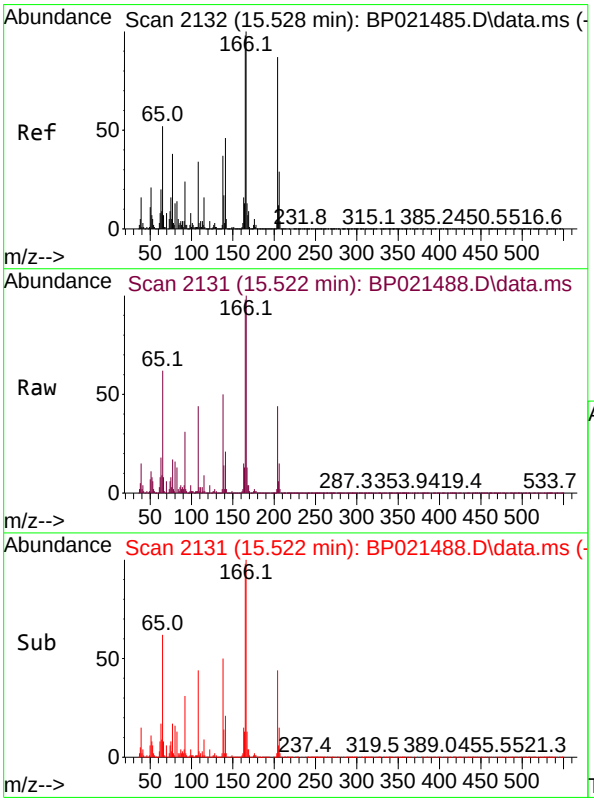
Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	55.3	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

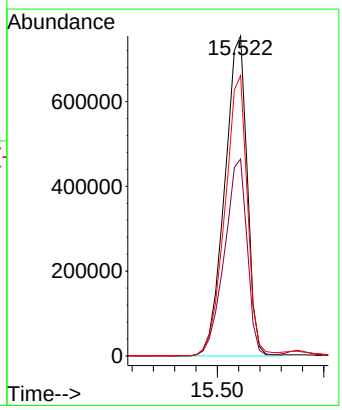
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

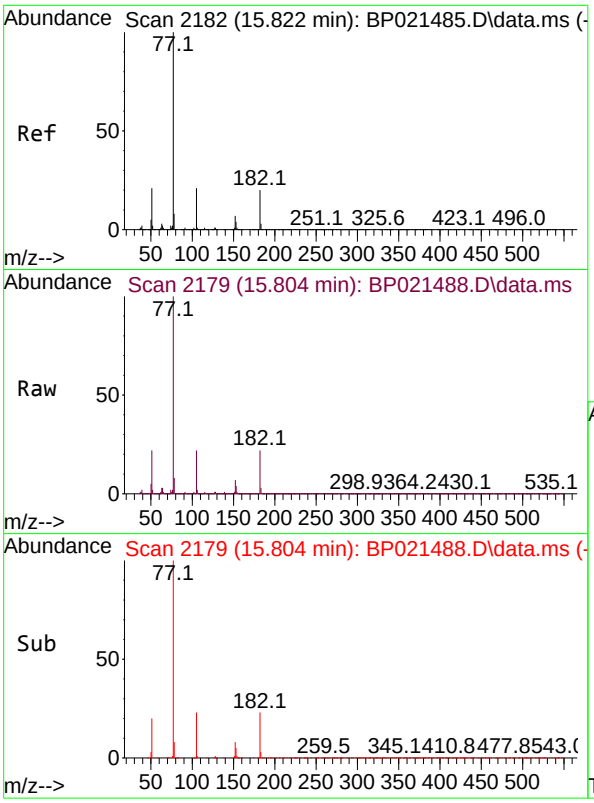


#62
4-Nitroaniline
Concen: 79.329 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:138 Resp: 1101954

Ion	Ratio	Lower	Upper
138	100		
92	61.5	46.4	86.4
108	87.6	73.2	113.2

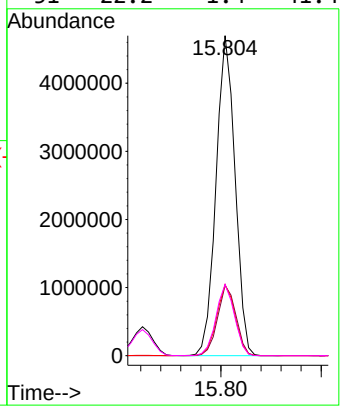




#63
Azobenzene
Concen: 73.633 ng
RT: 15.804 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion: 77 Resp: 616925

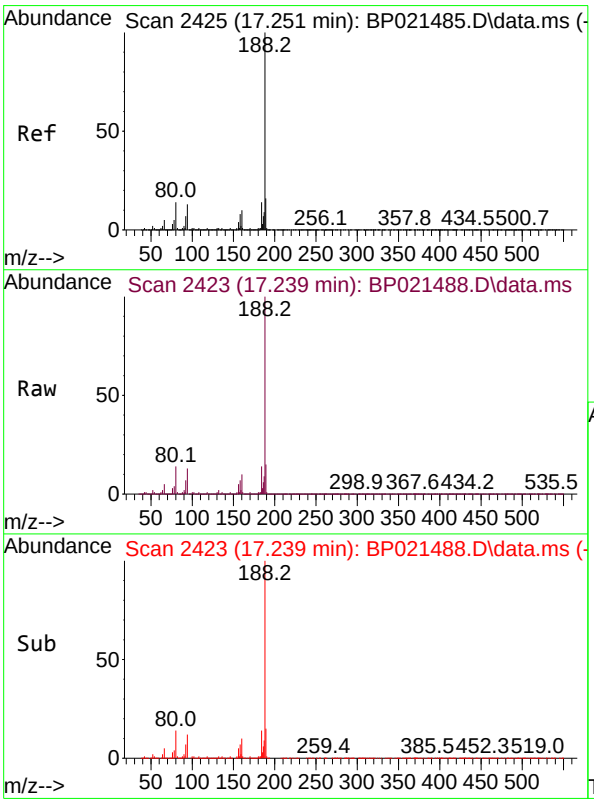
Ion	Ratio	Lower	Upper
77	100		
182	22.0	0.0	39.9
105	22.2	0.9	40.9
51	22.2	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

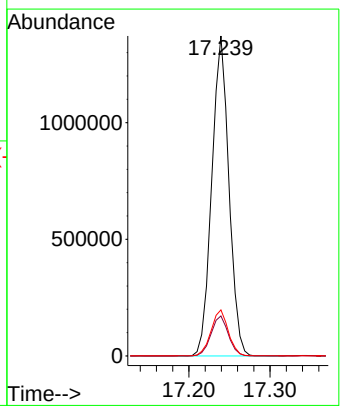
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

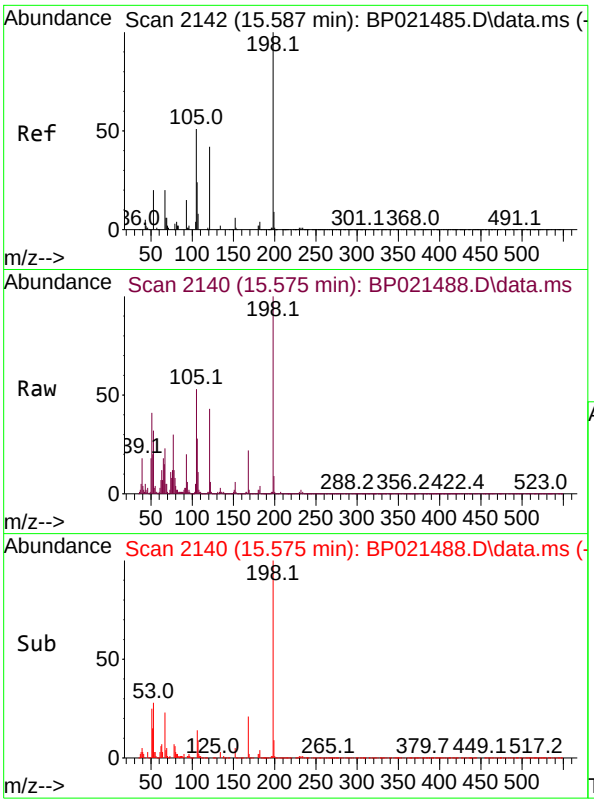


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:188 Resp: 2007991

Ion	Ratio	Lower	Upper
188	100		
94	12.5	10.2	15.4
80	14.4	11.6	17.4

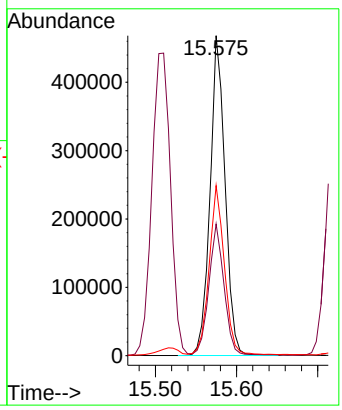




#65
4,6-Dinitro-2-methylphenol
Concen: 79.442 ng
RT: 15.575 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:198 Resp: 60008

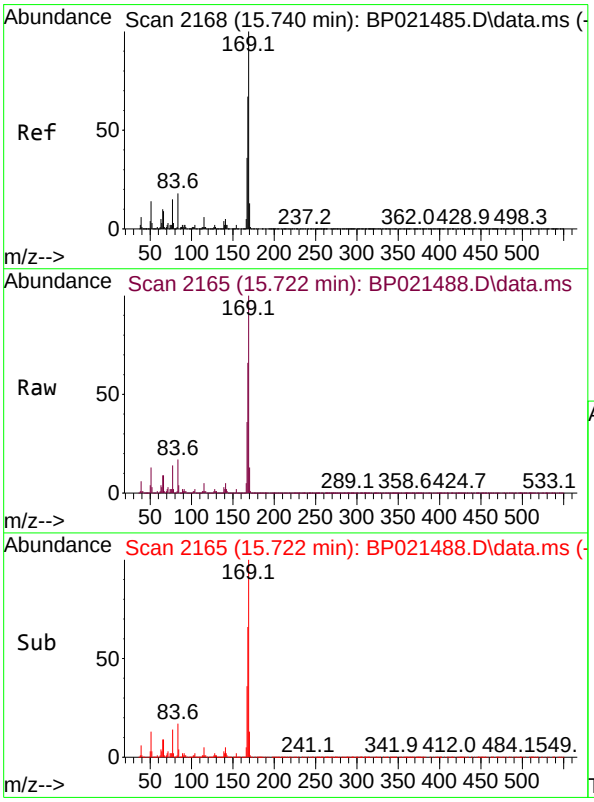
Ion	Ratio	Lower	Upper
198	100		
51	41.2	21.5	61.5
105	53.1	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

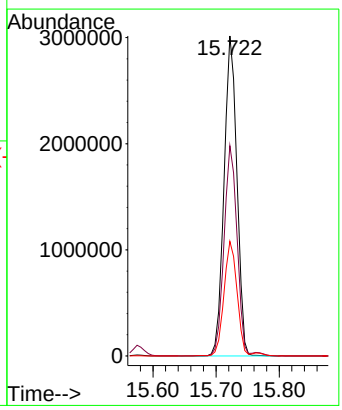
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

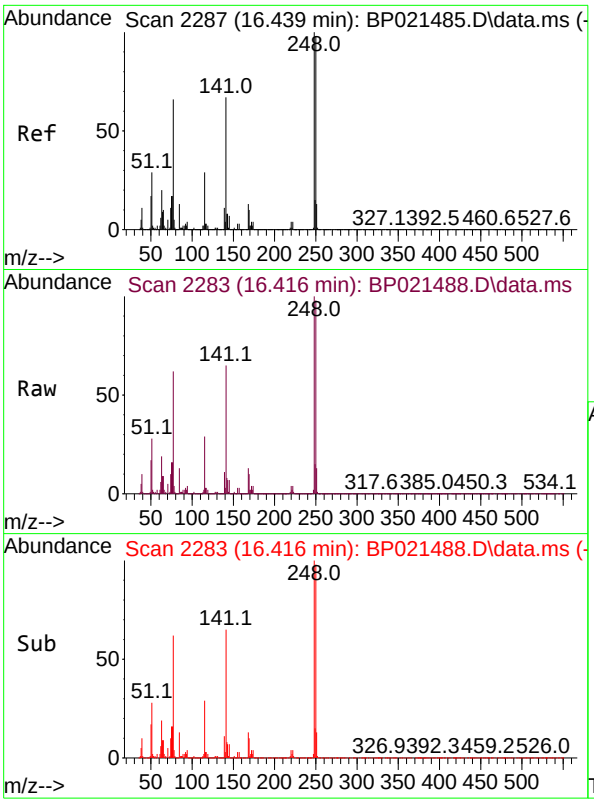


#66
n-Nitrosodiphenylamine
Concen: 79.247 ng
RT: 15.722 min Scan# 2165
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:169 Resp: 4264380

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.4	80.2
167	35.8	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 81.480 ng
RT: 16.416 min Scan# 2
Delta R.T. -0.024 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

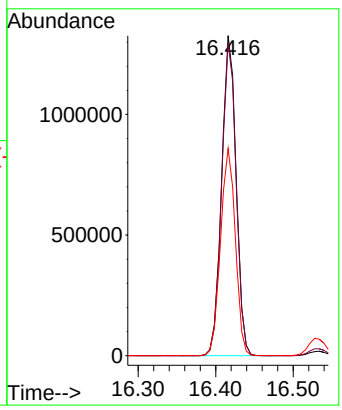
Tgt Ion:248 Resp: 173159

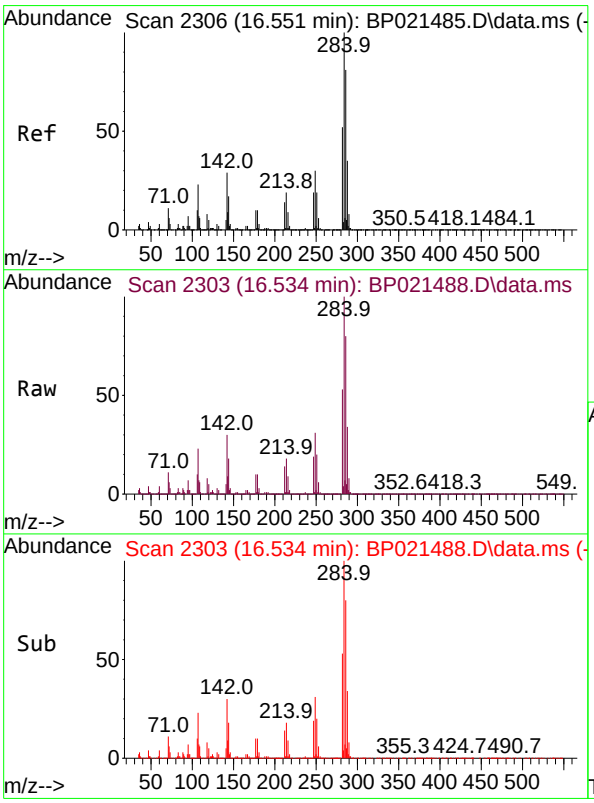
Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.6	117.8
141	64.7	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

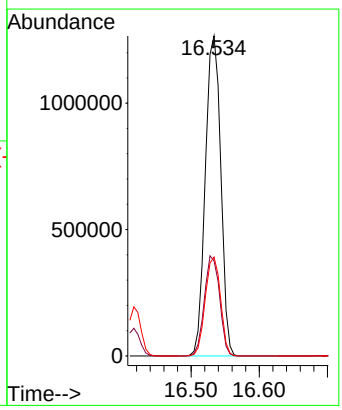


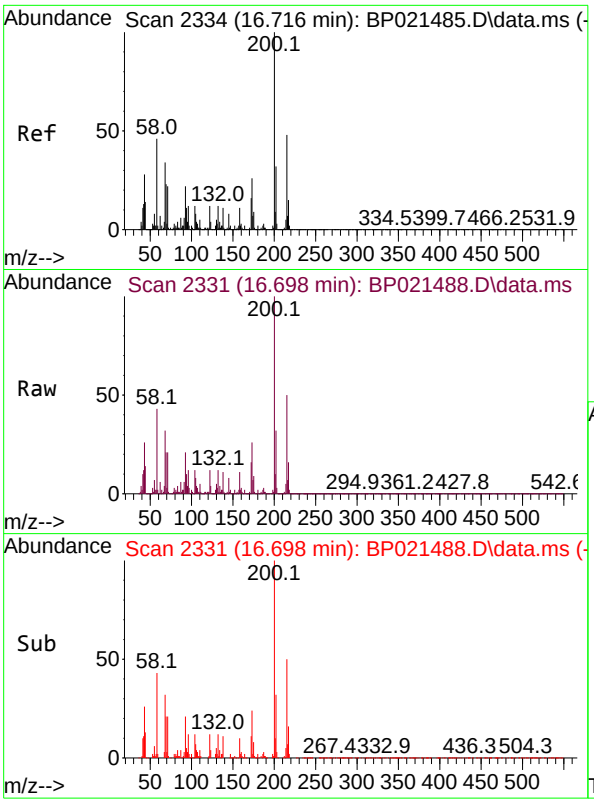


#68
Hexachlorobenzene
Concen: 79.402 ng
RT: 16.534 min Scan# 2303
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:284 Resp: 1994136

Ion	Ratio	Lower	Upper
284	100		
142	29.7	23.4	35.2
249	30.9	24.1	36.1

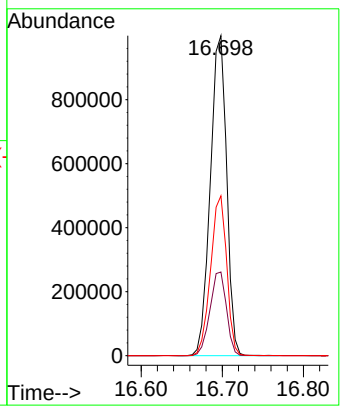




#69
Atrazine
Concen: 75.542 ng
RT: 16.698 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:200 Resp: 139564

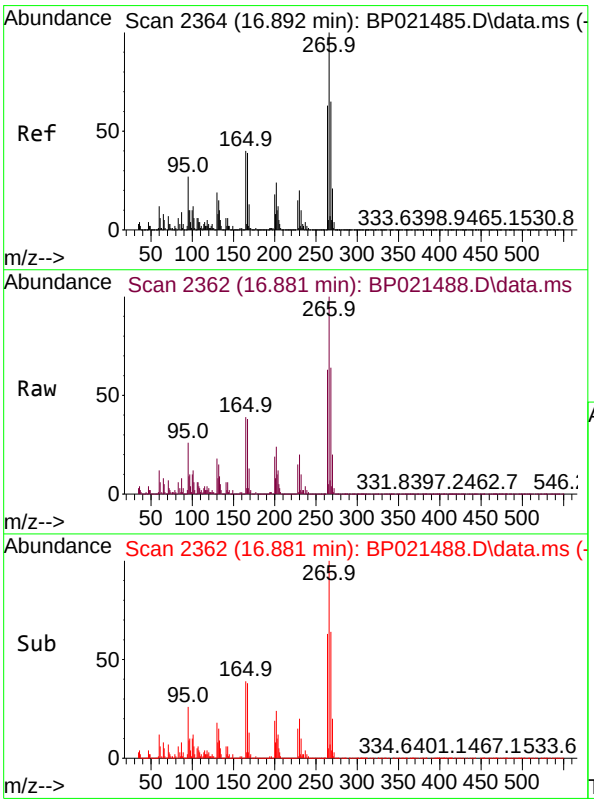
Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.2	46.2
215	49.9	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

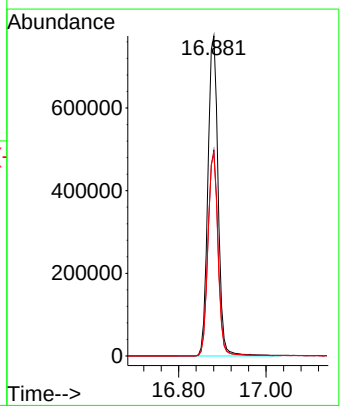
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

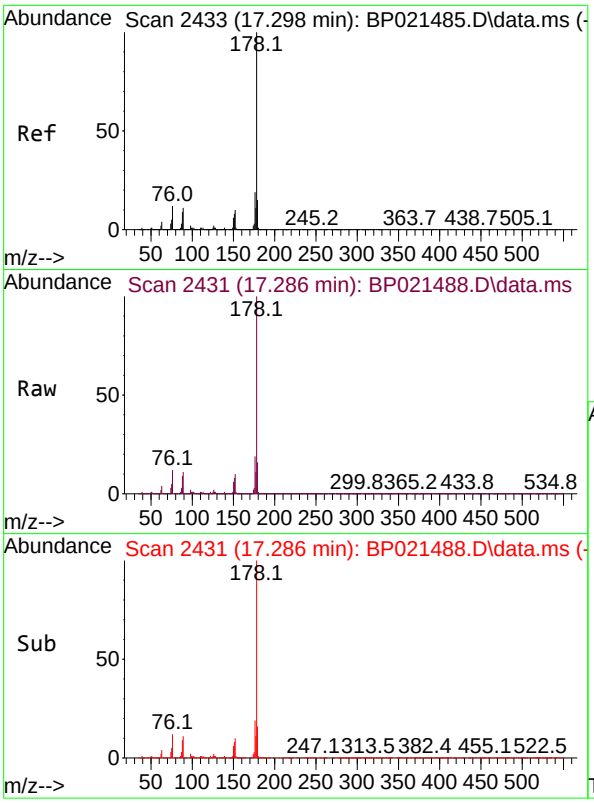


#70
Pentachlorophenol
Concen: 91.649 ng
RT: 16.881 min Scan# 2362
Delta R.T. -0.011 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:266 Resp: 1256277

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.8	77.6
264	63.3	50.5	75.7

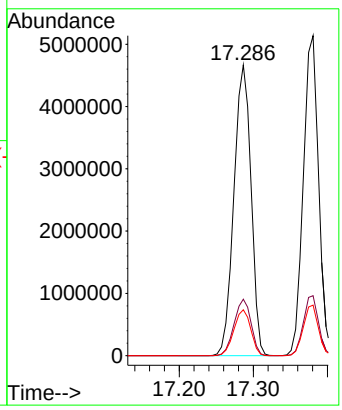




#71
Phenanthrene
Concen: 77.481 ng
RT: 17.286 min Scan# 24
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:178 Resp: 748223

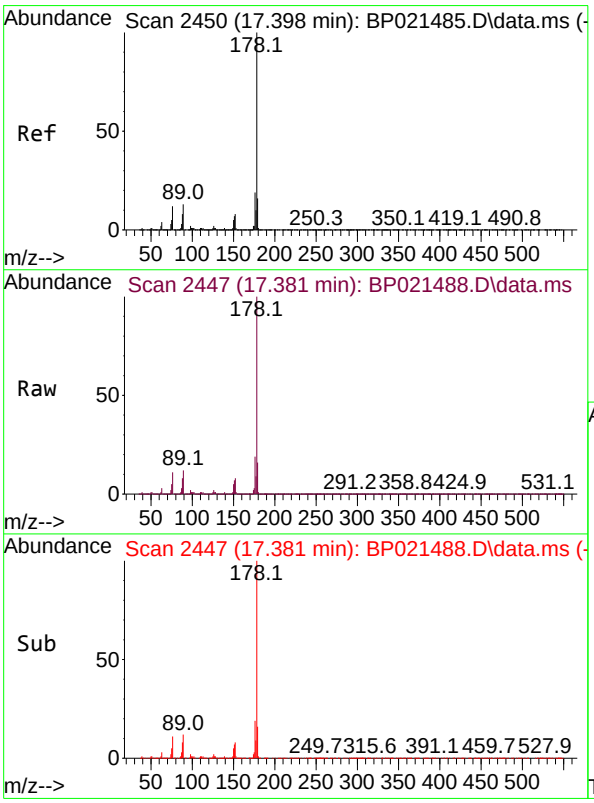
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.8	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

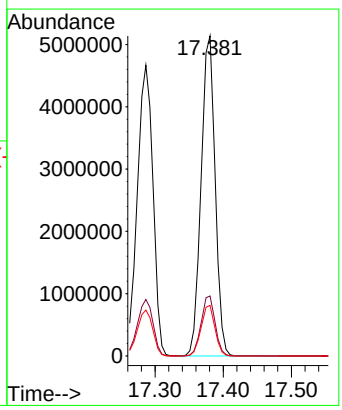
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

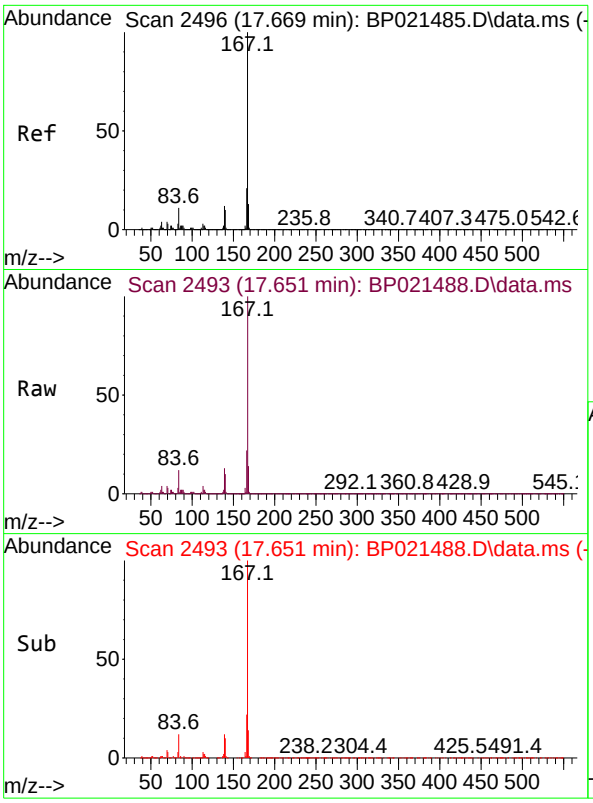


#72
Anthracene
Concen: 77.613 ng
RT: 17.381 min Scan# 2447
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:178 Resp: 7350512

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.8	12.5	18.7

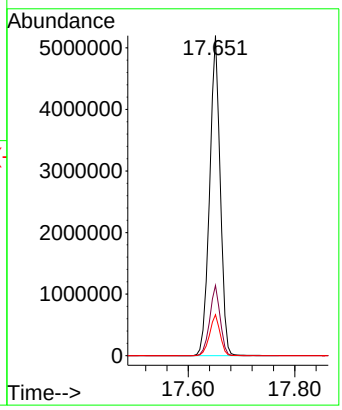




#73
Carbazole
Concen: 78.491 ng
RT: 17.651 min Scan# 24
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:167 Resp: 716394

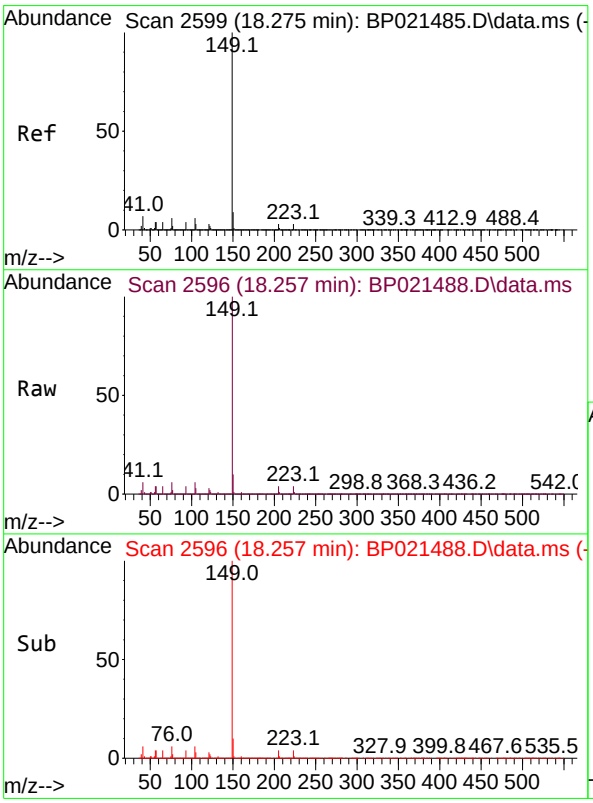
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.0	25.4
139	12.8	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

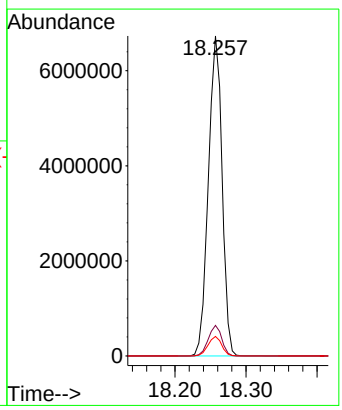
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

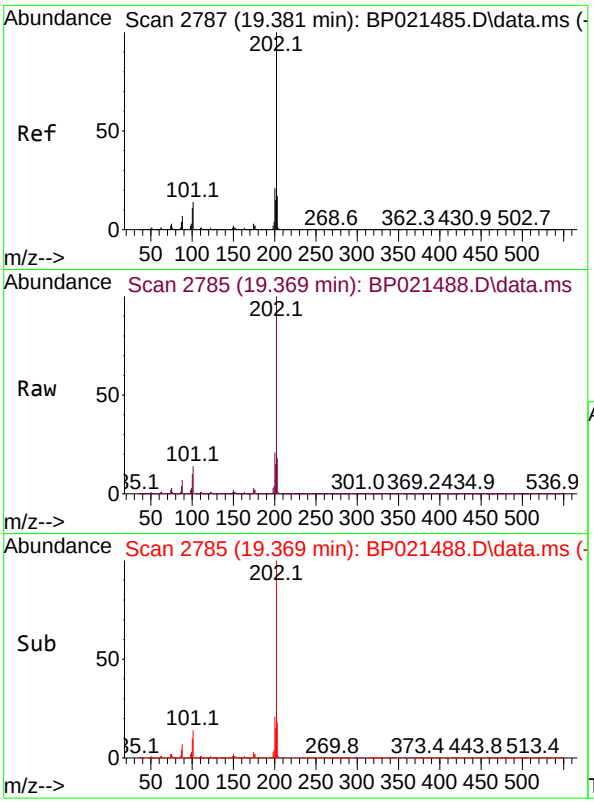


#74
Di-n-butylphthalate
Concen: 80.689 ng
RT: 18.257 min Scan# 2596
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 9044596

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	6.1	4.9	7.3





#75
Fluoranthene
Concen: 77.525 ng
RT: 19.369 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

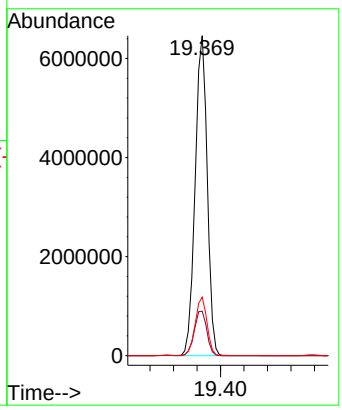
Tgt Ion:202 Resp: 918583

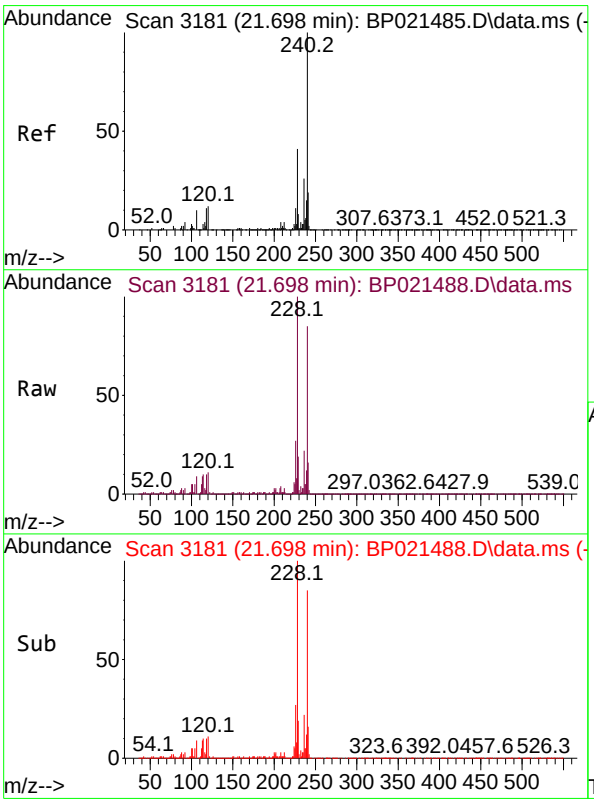
Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.0
203	18.3	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

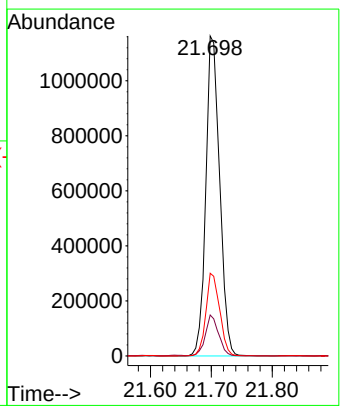


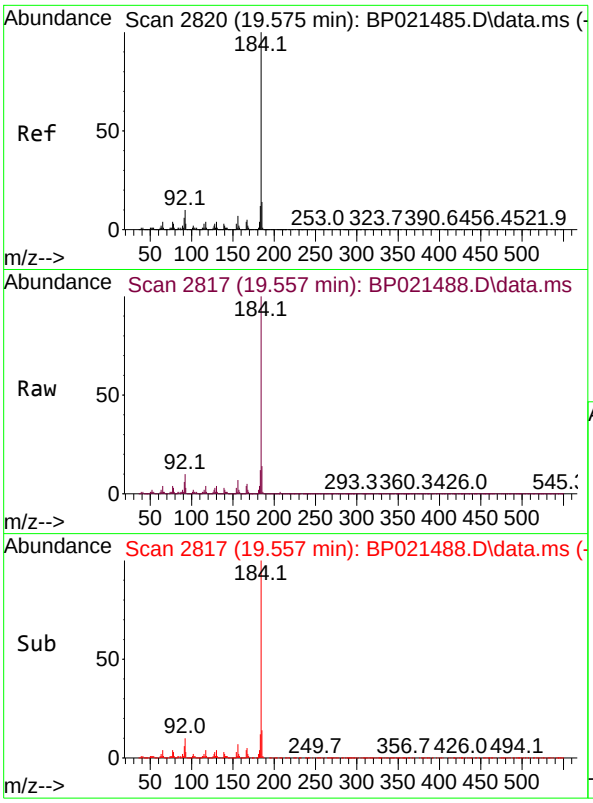


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.698 min Scan# 3181
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:240 Resp: 1834396

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.9	14.9
236	25.8	20.6	30.8

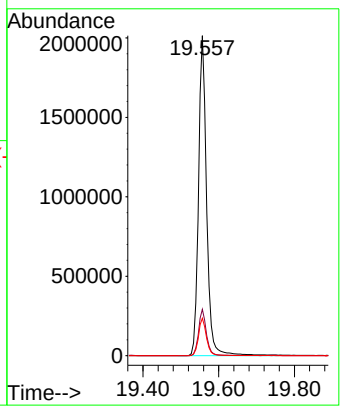




#77
Benzidine
Concen: 82.290 ng
RT: 19.557 min Scan# 2
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:184 Resp: 300061

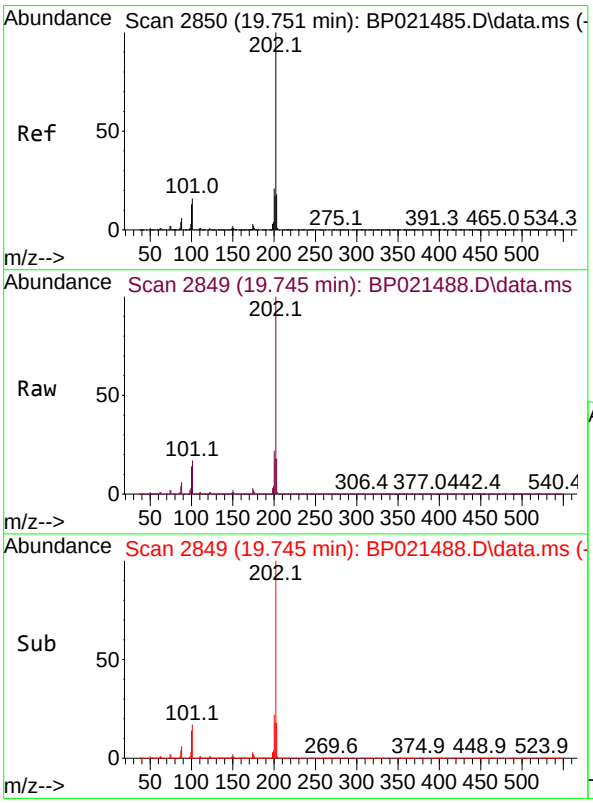
Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.0
183	11.7	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

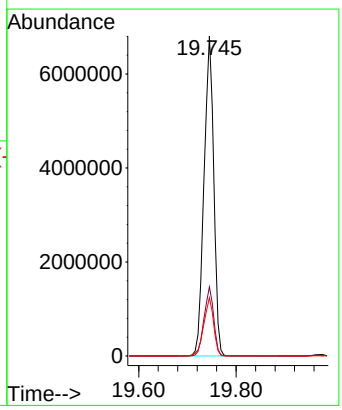
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

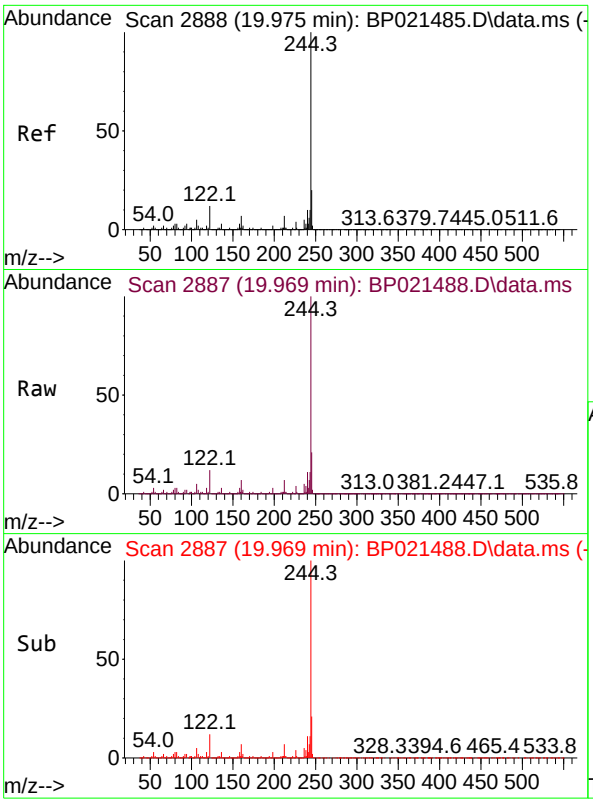


#78
Pyrene
Concen: 78.450 ng
RT: 19.745 min Scan# 2849
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:202 Resp: 9406096

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.7	25.1
203	18.1	14.1	21.1

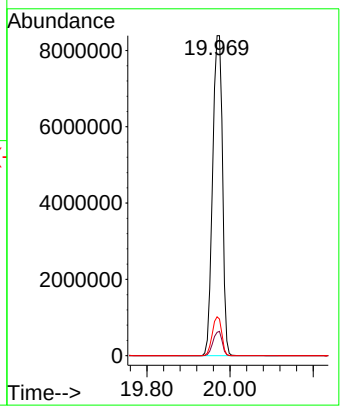




#79
Terphenyl-d14
Concen: 145.311 ng
RT: 19.969 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:244 Resp:1372075

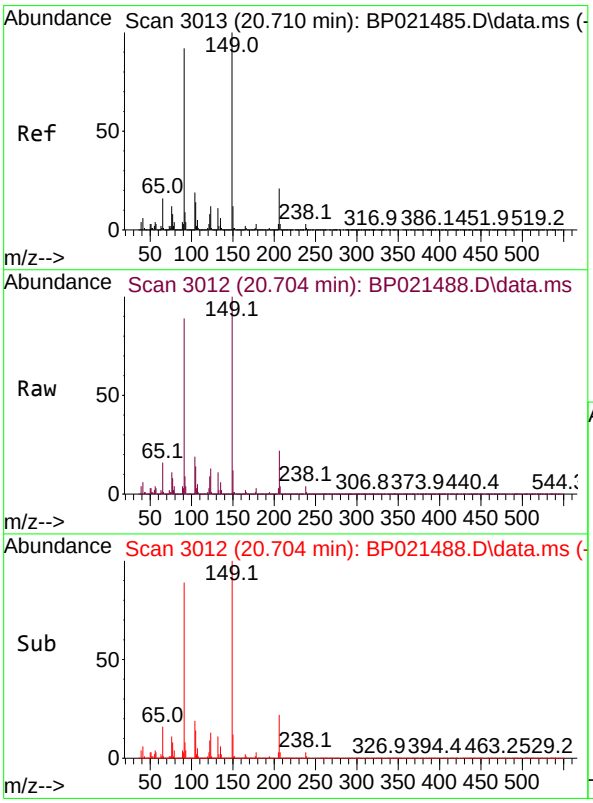
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	12.1	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

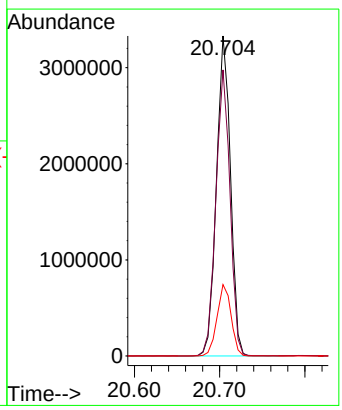
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

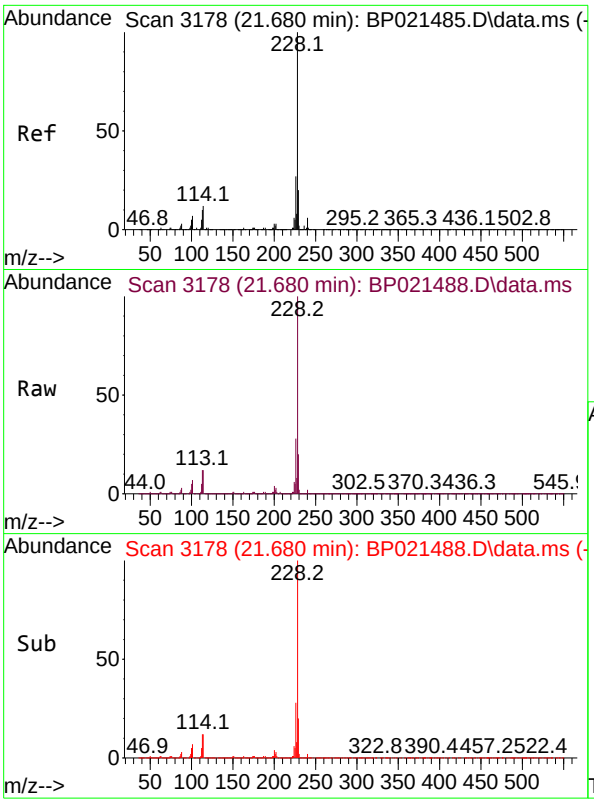


#80
Butylbenzylphthalate
Concen: 80.964 ng
RT: 20.704 min Scan# 3012
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 3806046

Ion	Ratio	Lower	Upper
149	100		
91	89.4	73.3	109.9
206	22.3	17.1	25.7





#81
Benzo(a)anthracene
Concen: 79.168 ng
RT: 21.680 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

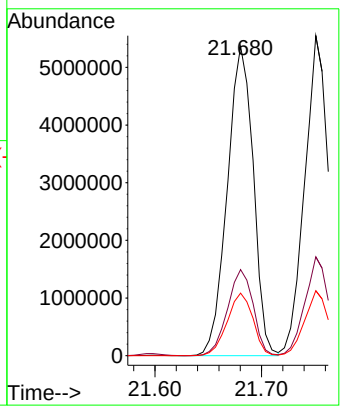
Tgt Ion:228 Resp: 911669

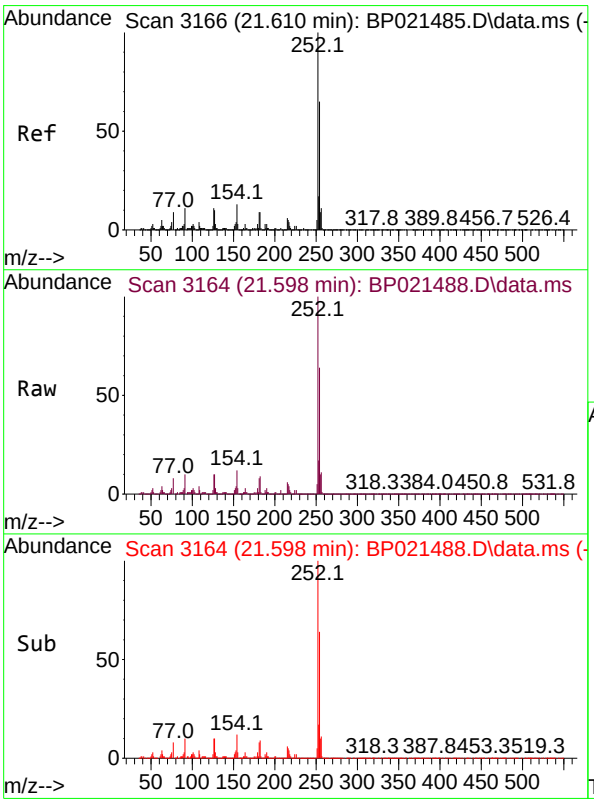
Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.4	32.2
229	20.2	15.8	23.6

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

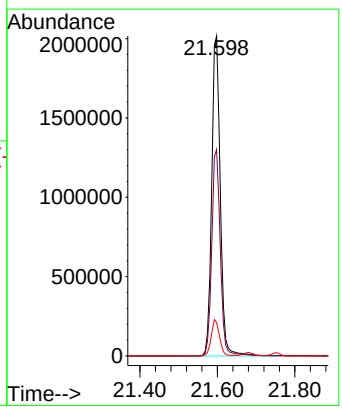


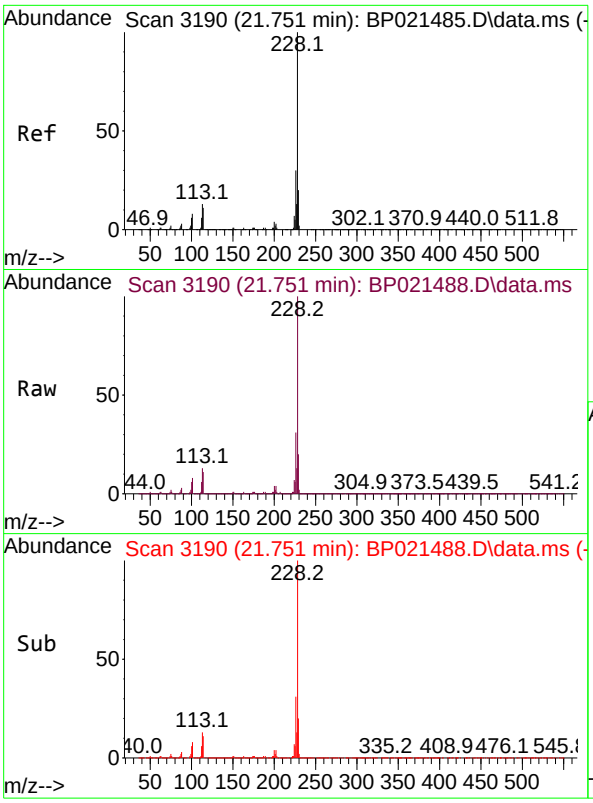


#82
3,3'-Dichlorobenzidine
Concen: 83.768 ng
RT: 21.598 min Scan# 3164
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:252 Resp: 3092890

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.7	77.5
126	10.4	8.7	13.1

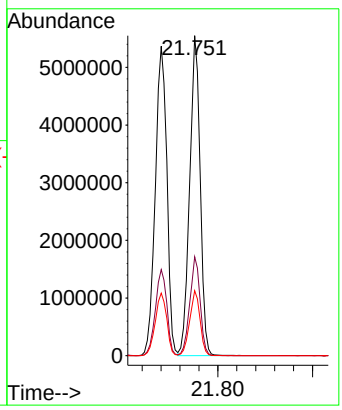




#83
Chrysene
Concen: 78.894 ng
RT: 21.751 min Scan# 3
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:228 Resp: 857762

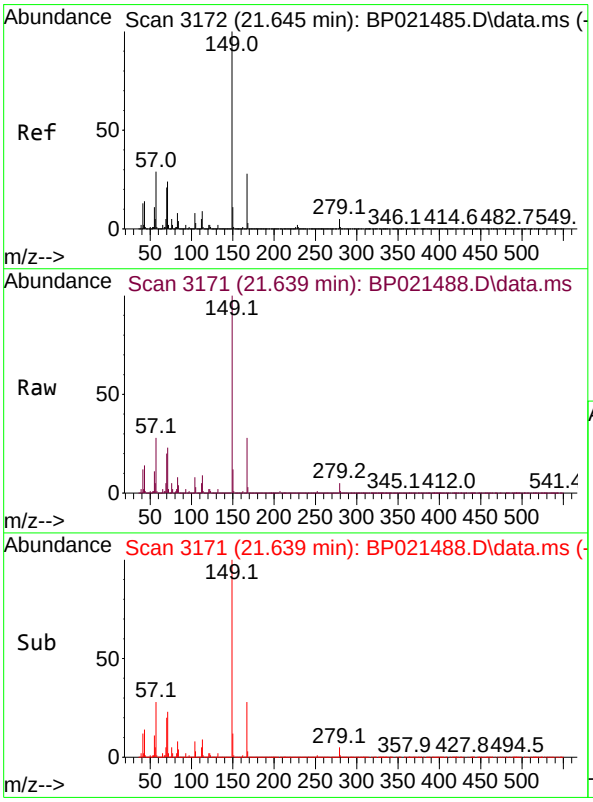
Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9
229	20.3	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

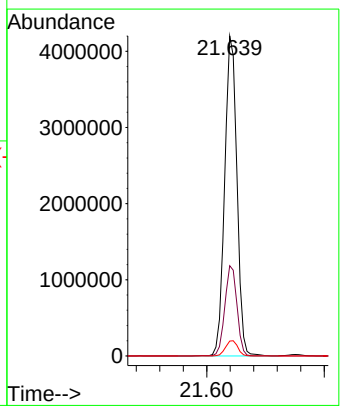
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

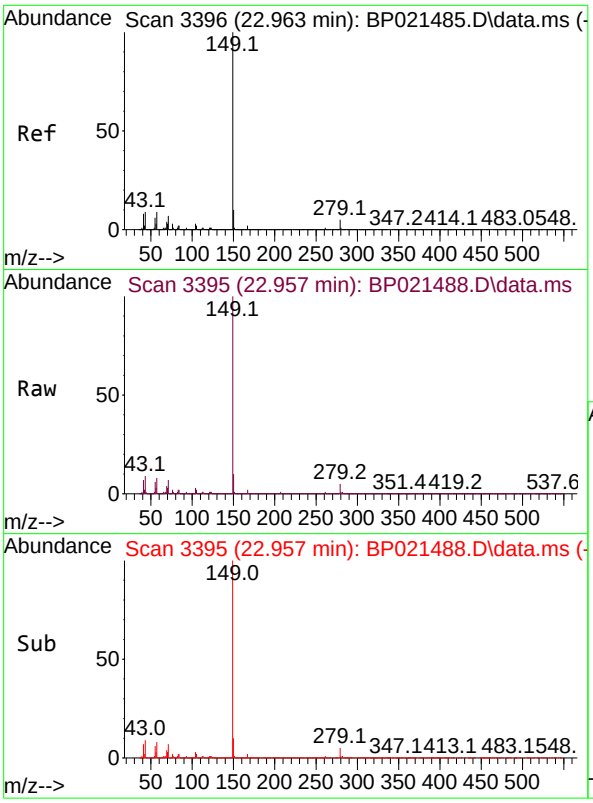


#84
Bis(2-ethylhexyl)phthalate
Concen: 89.068 ng
RT: 21.639 min Scan# 3171
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp: 6062099

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.3	33.5
279	4.7	3.8	5.6

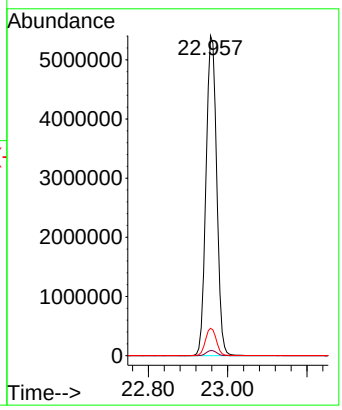




#85
Di-n-octyl phthalate
Concen: 80.797 ng
RT: 22.957 min Scan# 3
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:149 Resp:1009931

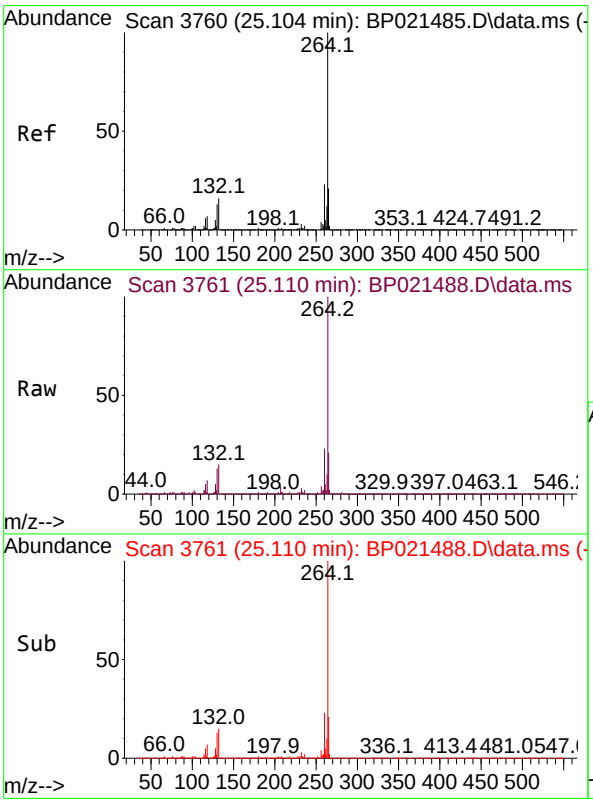
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	7.3	10.9



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

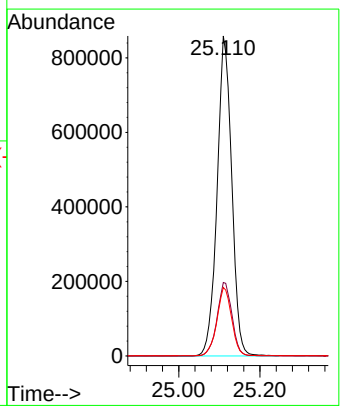
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

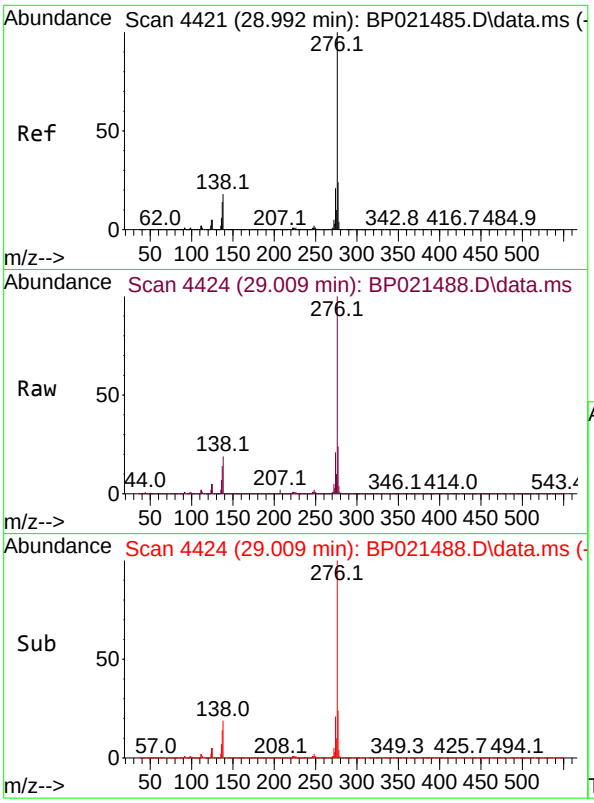


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.110 min Scan# 3761
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:264 Resp: 2148798

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.4	17.1	25.7

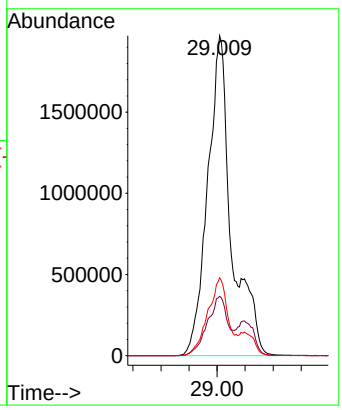




#87
Indeno(1,2,3-cd)pyrene
Concen: 83.285 ng m
RT: 29.009 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:276 Resp:1159945

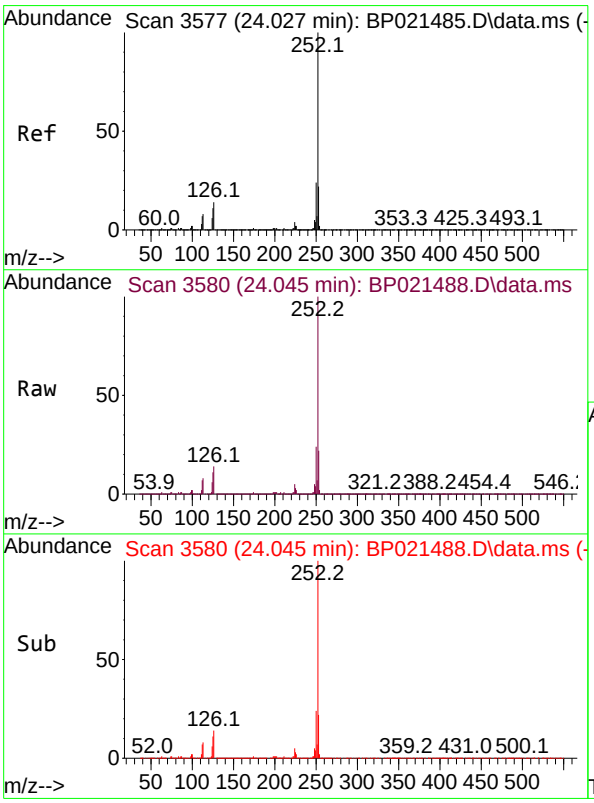
Ion	Ratio	Lower	Upper
276	100		
138	16.3	12.8	19.2
277	20.9	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

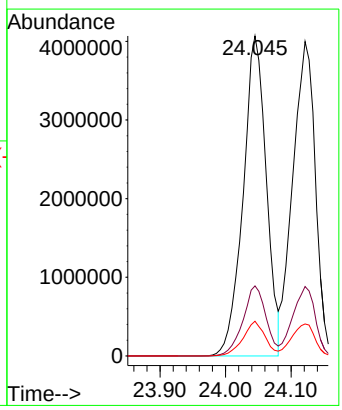
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

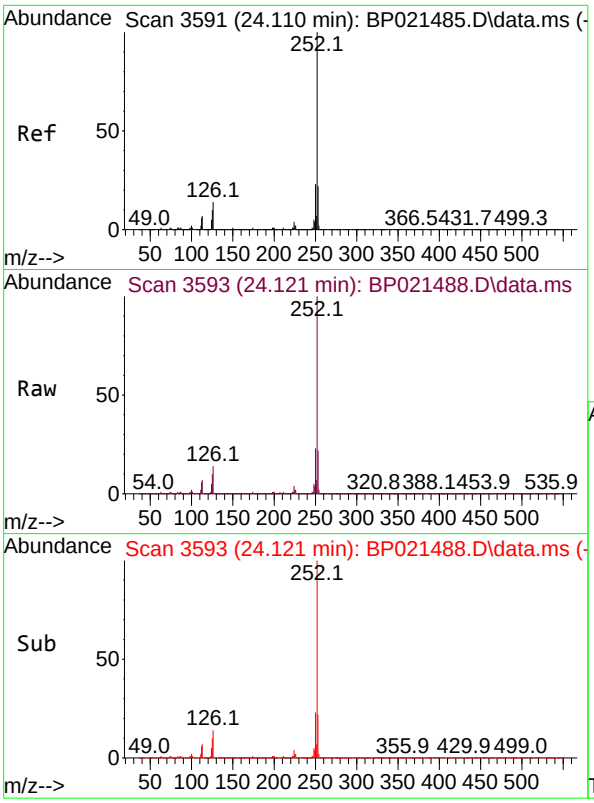


#88
Benzo(b)fluoranthene
Concen: 80.984 ng
RT: 24.045 min Scan# 3580
Delta R.T. 0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:252 Resp: 9994213

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.9	8.6	13.0

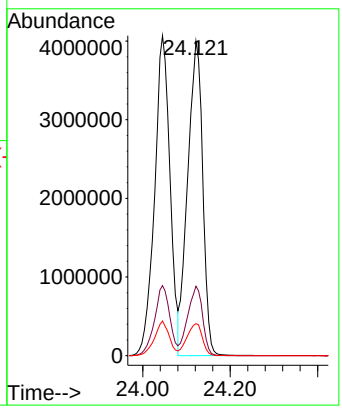




#89
Benzo(k)fluoranthene
Concen: 79.279 ng
RT: 24.121 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:252 Resp: 954416

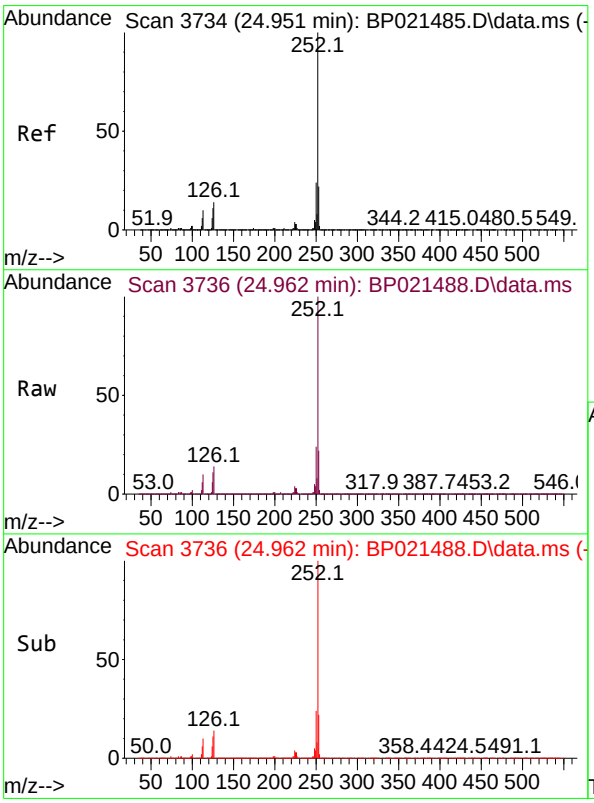
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.2	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

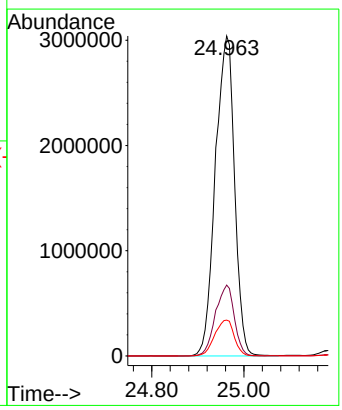
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

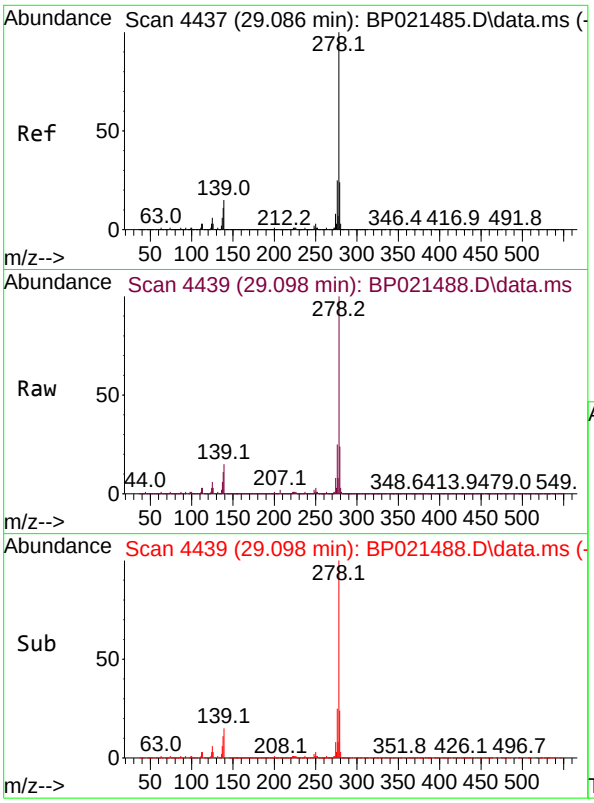


#90
Benzo(a)pyrene
Concen: 81.773 ng
RT: 24.962 min Scan# 3736
Delta R.T. 0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:252 Resp: 8757562

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.2	8.7	13.1

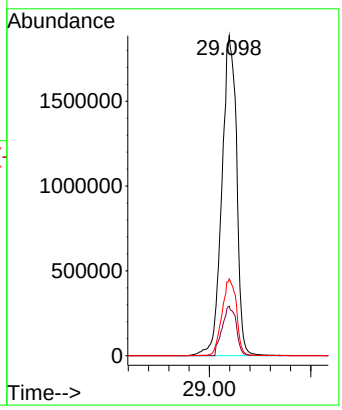




#91
Dibenzo(a,h)anthracene
Concen: 82.349 ng
RT: 29.098 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:278 Resp: 953045

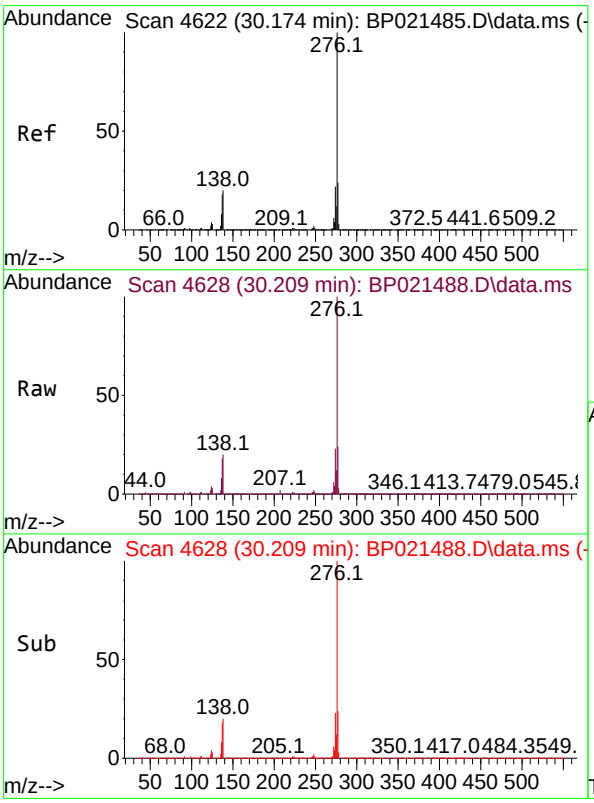
Ion	Ratio	Lower	Upper
278	100		
139	15.5	12.2	18.4
279	24.0	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

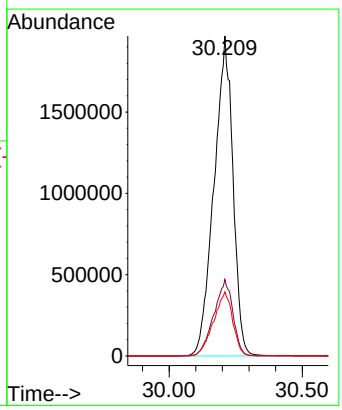
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 83.581 ng
RT: 30.209 min Scan# 4628
Delta R.T. 0.035 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Tgt Ion:276 Resp: 9695156

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	20.1	16.0	24.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	443421	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	2000407	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	1334240	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	2538103	20.000	ng	0.00
76) Chrysene-d12	21.716	240	1932921	20.000	ng	0.02
86) Perylene-d12	25.121	264	2127555	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	2413201	80.810	ng	0.00
7) Phenol-d6	6.964	99	3740158	85.856	ng	0.00
23) Nitrobenzene-d5	8.958	82	3463320	89.361	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	1239599	83.477	ng	0.00
45) 2-Fluorobiphenyl	13.069	172	6875867	78.649	ng	0.00
79) Terphenyl-d14	19.986	244	8578102	86.216	ng	0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	537338	37.948	ng	100
3) Pyridine	3.705	79	1598732m	40.445	ng	
4) n-Nitrosodimethylamine	3.617	42	478013	40.233	ng	100
6) Aniline	7.128	93	1811514	41.596	ng	100
8) 2-Chlorophenol	7.375	128	1167341	42.300	ng	99
9) Benzaldehyde	6.946	77	1127798	40.434	ng	99
10) Phenol	6.993	94	1922019	42.607	ng	97
11) bis(2-Chloroethyl)ether	7.228	93	1585750	41.543	ng	100
12) 1,3-Dichlorobenzene	7.699	146	1300530	39.674	ng	99
13) 1,4-Dichlorobenzene	7.840	146	1309606	39.564	ng	99
14) 1,2-Dichlorobenzene	8.158	146	1271884	39.873	ng	99
15) Benzyl Alcohol	8.034	79	1390052	44.472	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.340	45	1471975	41.875	ng	99
17) 2-Methylphenol	8.234	107	1245871	43.687	ng	100
18) Hexachloroethane	8.893	117	540967	40.755	ng	99
19) n-Nitroso-di-n-propyla...	8.611	70	1303123	43.304	ng	99
20) 3+4-Methylphenols	8.563	107	1724643	44.850	ng	98
22) Acetophenone	8.622	105	2454249	39.936	ng	98
24) Nitrobenzene	8.999	77	1820293	43.244	ng	98
25) Isophorone	9.516	82	3726496	40.700	ng	100
26) 2-Nitrophenol	9.705	139	501343	47.780	ng	99
27) 2,4-Dimethylphenol	9.758	122	930478	41.179	ng	99
28) bis(2-Chloroethoxy)met...	10.005	93	2260063	40.438	ng	99
29) 2,4-Dichlorophenol	10.240	162	1159801	43.442	ng	99
30) 1,2,4-Trichlorobenzene	10.458	180	1339874	39.146	ng	97
31) Naphthalene	10.646	128	4141293	39.629	ng	99
32) Benzoic acid	9.899	122	747114	49.839	ng	98
33) 4-Chloroaniline	10.746	127	1594388	40.617	ng	99
34) Hexachlorobutadiene	10.946	225	842702	39.102	ng	99
35) Caprolactam	11.505	113	464342	41.786	ng	97
36) 4-Chloro-3-methylphenol	11.857	107	1591956	42.987	ng	99
37) 2-Methylnaphthalene	12.263	142	2882235	40.412	ng	99
38) 1-Methylnaphthalene	12.475	142	2825877	40.173	ng	100
40) 1,2,4,5-Tetrachloroben...	12.640	216	1573947	40.261	ng	100
41) Hexachlorocyclopentadiene	12.622	237	535050	43.183	ng	99
43) 2,4,6-Trichlorophenol	12.869	196	960914	44.249	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.940	196	1071161	44.396	ng		98
46) 1,1'-Biphenyl	13.281	154	3732699	39.542	ng		99
47) 2-Chloronaphthalene	13.322	162	2917301	39.695	ng		99
48) 2-Nitroaniline	13.510	65	874355	43.044	ng		98
49) Acenaphthylene	14.181	152	4270895	39.531	ng		100
50) Dimethylphthalate	13.910	163	3496130	39.127	ng		99
51) 2,6-Dinitrotoluene	14.022	165	735994	41.424	ng		97
52) Acenaphthene	14.528	154	2790584	39.366	ng		99
53) 3-Nitroaniline	14.351	138	705420	40.483	ng		97
54) 2,4-Dinitrophenol	14.546	184	215120	45.065	ng	#	56
55) Dibenzofuran	14.863	168	4202990	38.543	ng		99
56) 4-Nitrophenol	14.640	139	545969	39.582	ng		98
57) 2,4-Dinitrotoluene	14.810	165	917790	40.864	ng		93
58) Fluorene	15.522	166	3409197	38.055	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.093	232	866459	42.310	ng		99
60) Diethylphthalate	15.293	149	3461071	37.752	ng		99
61) 4-Chlorophenyl-phenyle...	15.528	204	1795669	38.777	ng		98
62) 4-Nitroaniline	15.534	138	685273	38.254	ng		99
63) Azobenzene	15.828	77	4263599	37.833	ng		99
65) 4,6-Dinitro-2-methylph...	15.593	198	343500	46.281	ng		99
66) n-Nitrosodiphenylamine	15.734	169	2863059	42.093	ng		100
67) 4-Bromophenyl-phenylether	16.440	248	1135965	42.289	ng		99
68) Hexachlorobenzene	16.551	284	1306627	41.161	ng		97
69) Atrazine	16.710	200	907263	38.851	ng		99
70) Pentachlorophenol	16.898	266	770079	44.446	ng		100
71) Phenanthrene	17.298	178	4826486	39.541	ng		100
72) Anthracene	17.398	178	4745227	39.639	ng		100
73) Carbazole	17.675	167	4321248	37.457	ng		99
74) Di-n-butylphthalate	18.281	149	5456093	38.509	ng		100
75) Fluoranthene	19.386	202	5434874	36.288	ng		99
77) Benzidine	19.569	184	1367550	30.320	ng		99
78) Pyrene	19.763	202	5438173	43.044	ng		100
80) Butylbenzylphthalate	20.710	149	1972270	41.647	ng		97
81) Benzo(a)anthracene	21.692	228	4874495	40.172	ng		100
82) 3,3'-Dichlorobenzidine	21.604	252	1592617	40.936	ng		100
83) Chrysene	21.763	228	4554886	39.759	ng		100
84) Bis(2-ethylhexyl)phtha...	21.657	149	3111178	43.381	ng		100
85) Di-n-octyl phthalate	22.974	149	4908258	39.871	ng		100
87) Indeno(1,2,3-cd)pyrene	28.986	276	5668848m	41.105	ng		
88) Benzo(b)fluoranthene	24.039	252	4934155	40.381	ng		99
89) Benzo(k)fluoranthene	24.121	252	4765945	39.984	ng		99
90) Benzo(a)pyrene	24.968	252	4311183	40.657	ng		100
91) Dibenzo(a,h)anthracene	29.104	278	4717815	41.172	ng		99
92) Benzo(g,h,i)perylene	30.203	276	4769954	41.532	ng		99

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

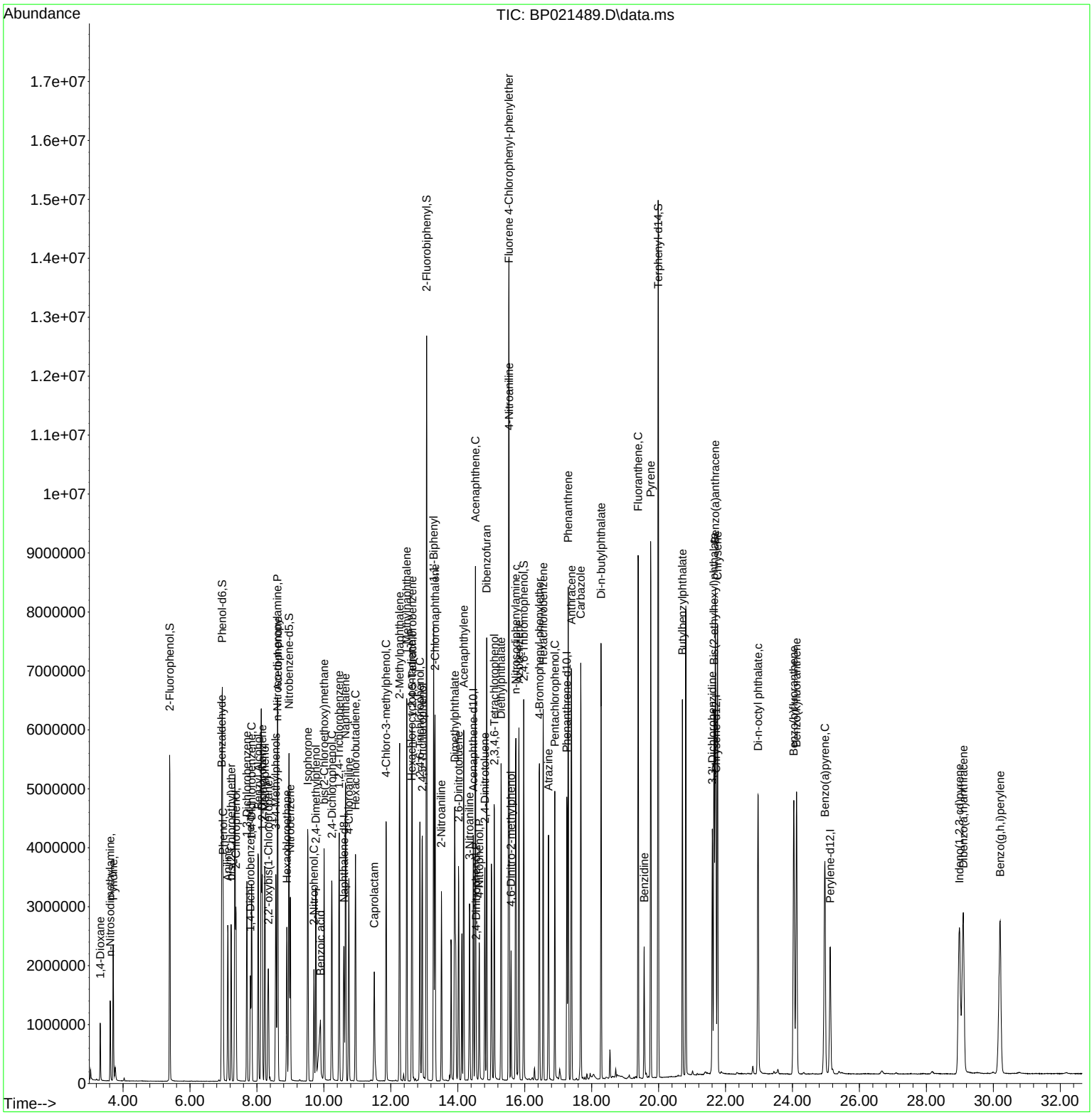
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Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

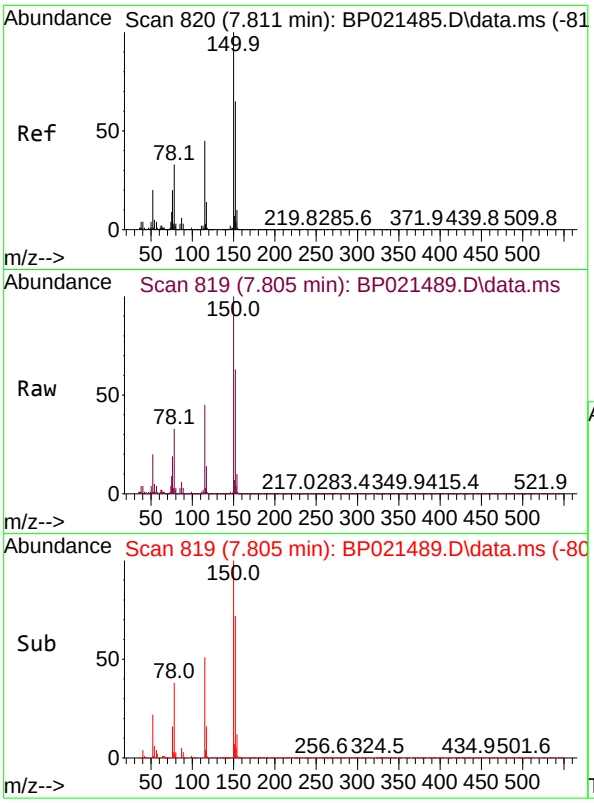
Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

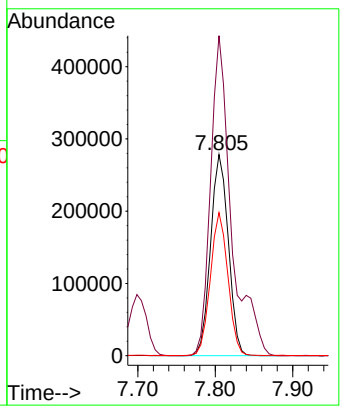




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:152 Resp: 44342

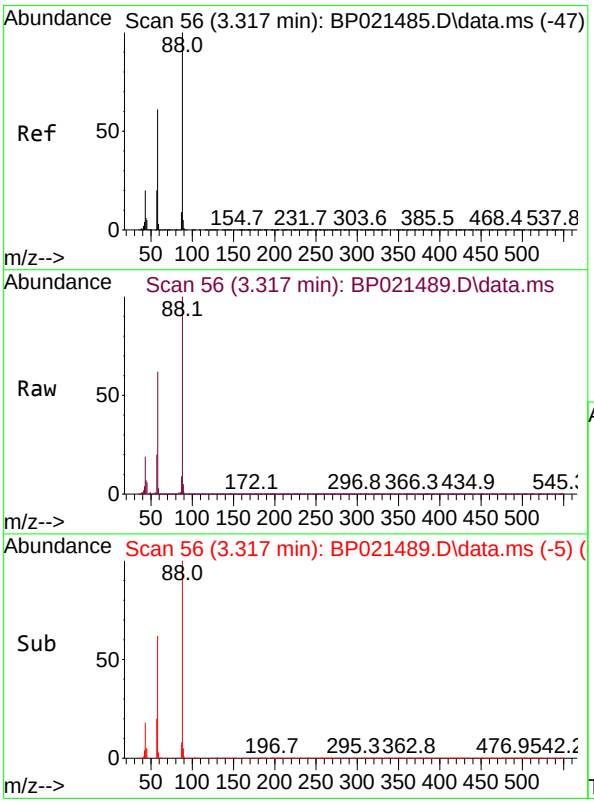
Ion	Ratio	Lower	Upper
152	100		
150	159.1	122.4	183.6
115	71.2	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

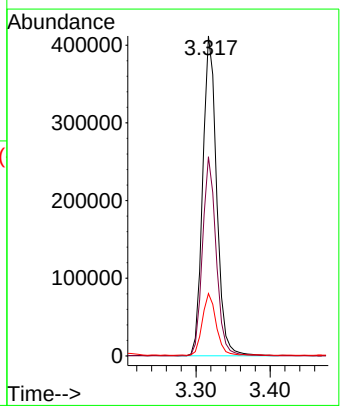
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

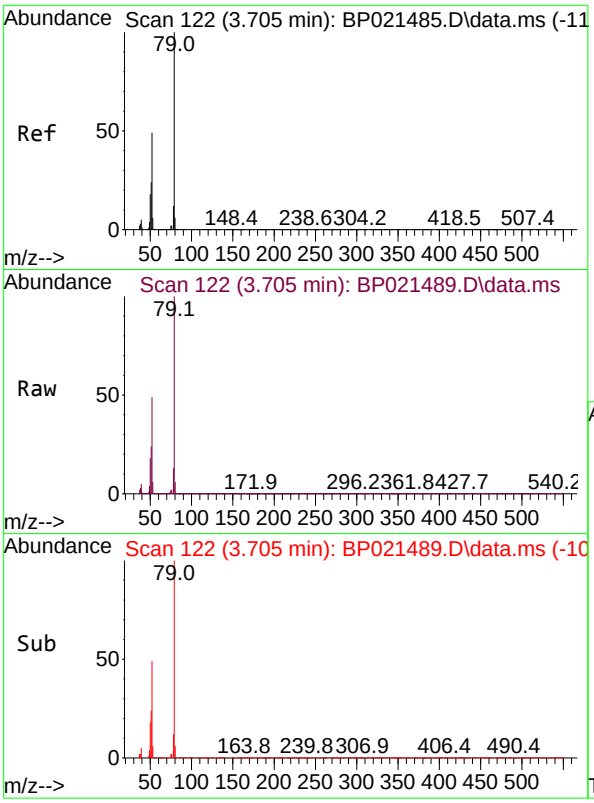


#2
1,4-Dioxane
Concen: 37.948 ng
RT: 3.317 min Scan# 56
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 88 Resp: 537338

Ion	Ratio	Lower	Upper
88	100		
58	61.0	48.7	73.1
43	19.3	15.4	23.2

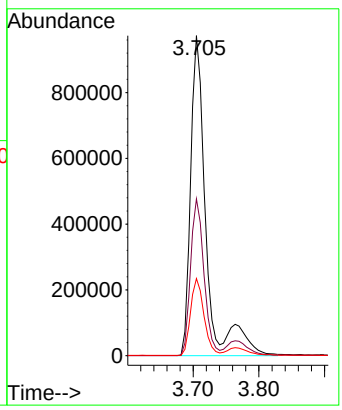




#3
Pyridine
Concen: 40.445 ng m
RT: 3.705 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 79 Resp: 159873

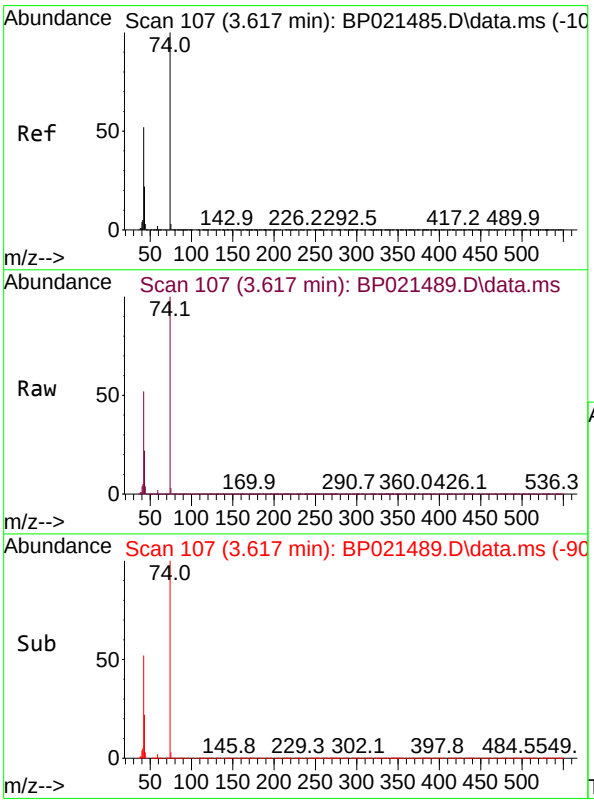
Ion	Ratio	Lower	Upper
79	100		
52	49.0	39.0	58.6
51	24.1	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

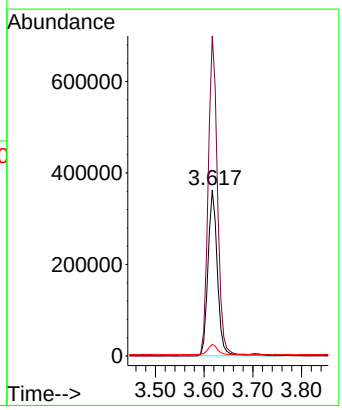
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

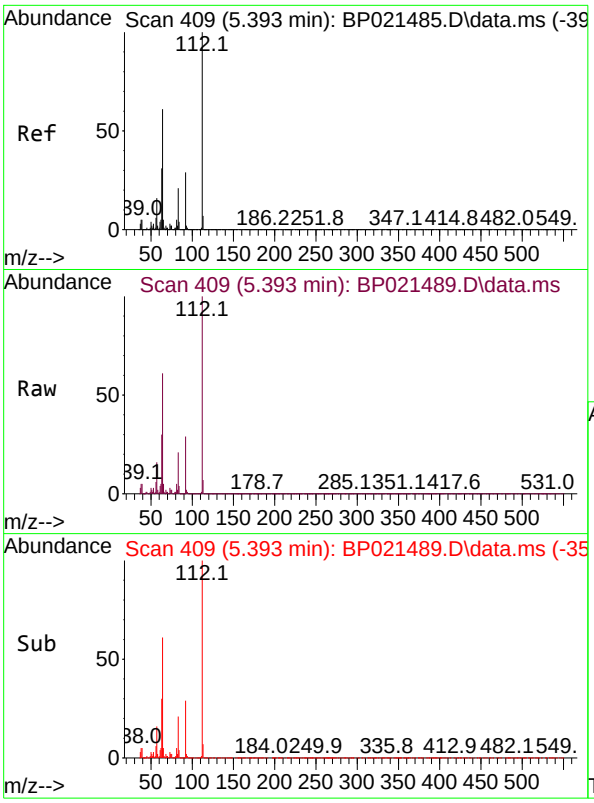


#4
n-Nitrosodimethylamine
Concen: 40.233 ng
RT: 3.617 min Scan# 107
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 42 Resp: 478013

Ion	Ratio	Lower	Upper
42	100		
74	192.8	154.3	231.5
44	7.0	6.2	9.4





#5
2-Fluorophenol
Concen: 80.810 ng
RT: 5.393 min Scan# 4
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

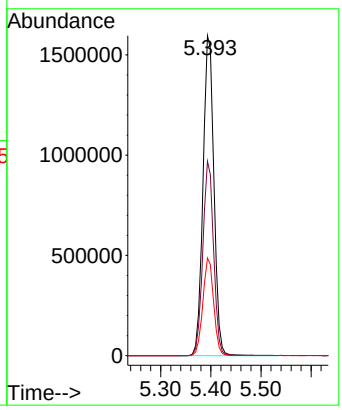
Tgt Ion:112 Resp: 241320

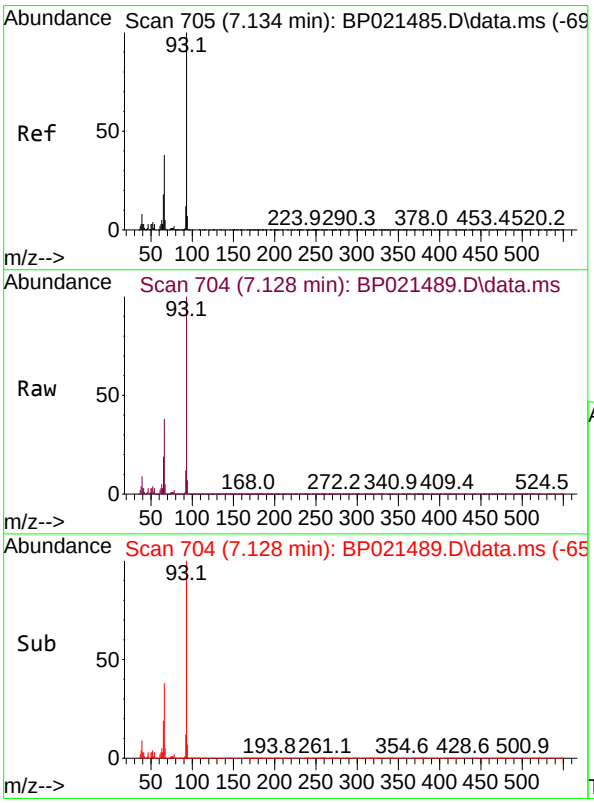
Ion	Ratio	Lower	Upper
112	100		
64	60.7	49.0	73.6
63	30.5	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

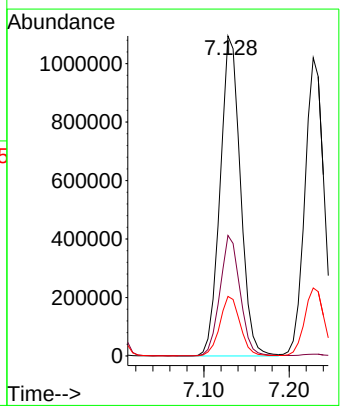


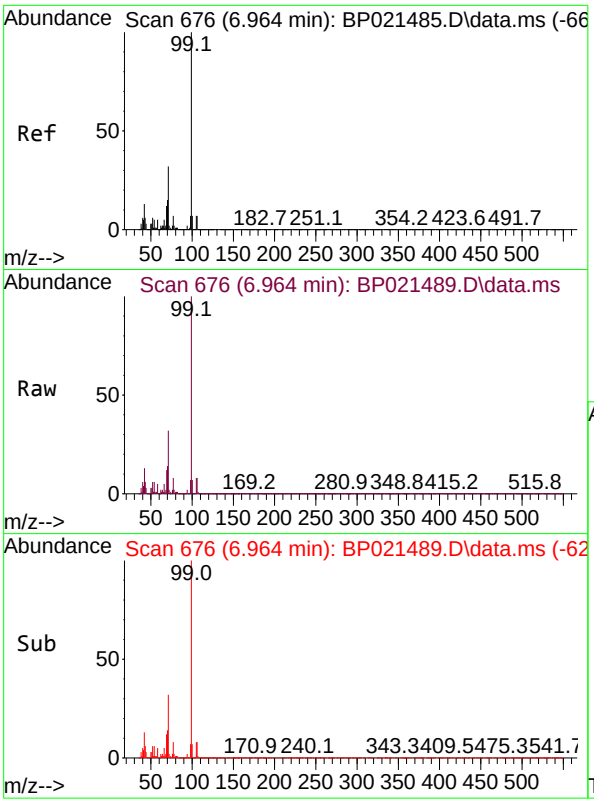


#6
Aniline
Concen: 41.596 ng
RT: 7.128 min Scan# 704
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 93 Resp: 1811514

Ion	Ratio	Lower	Upper
93	100		
66	37.7	30.2	45.2
65	18.6	14.7	22.1

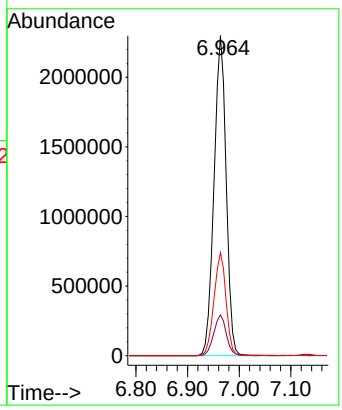




#7
Phenol-d6
Concen: 85.856 ng
RT: 6.964 min Scan# 6
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 99 Resp: 374015

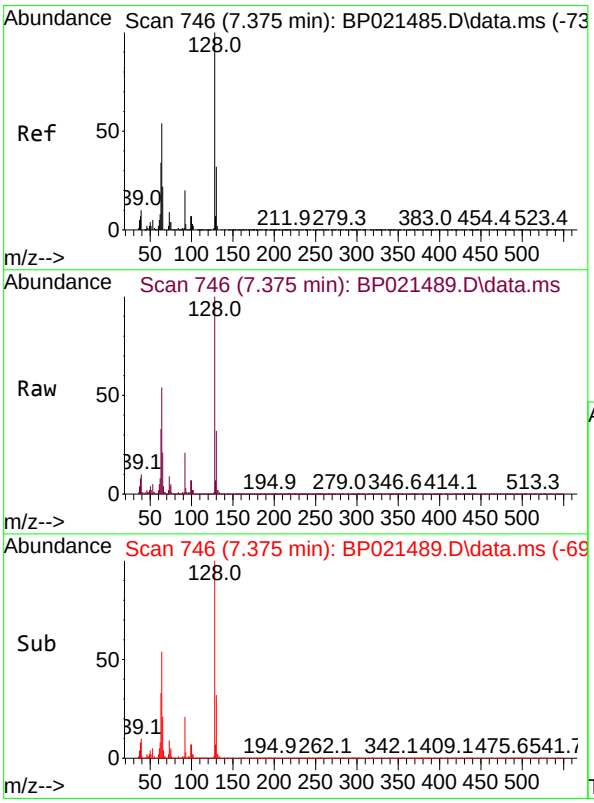
Ion	Ratio	Lower	Upper
99	100		
42	12.8	10.2	15.4
71	32.2	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

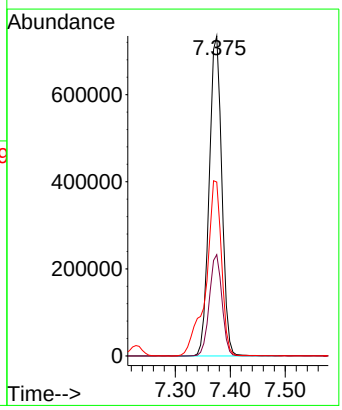
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

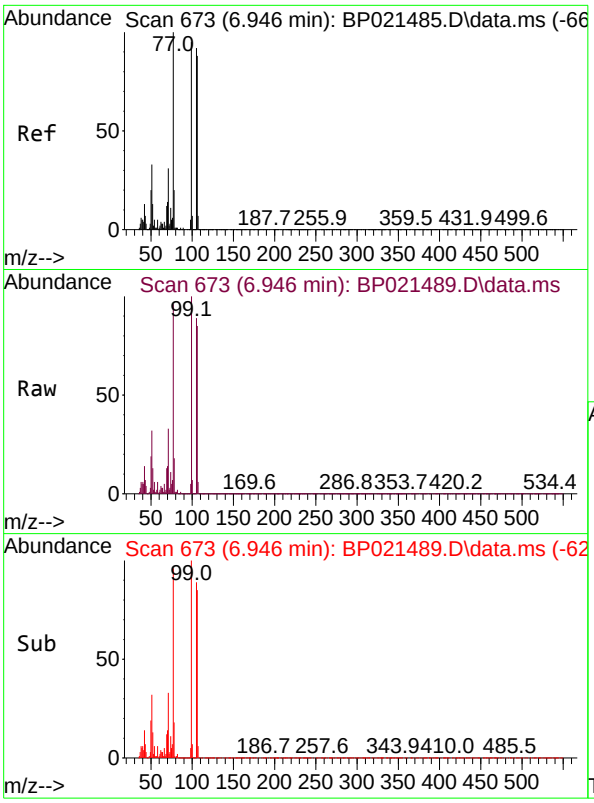


#8
2-Chlorophenol
Concen: 42.300 ng
RT: 7.375 min Scan# 746
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:128 Resp: 1167341

Ion	Ratio	Lower	Upper
128	100		
130	31.7	11.6	51.6
64	54.4	35.3	75.3

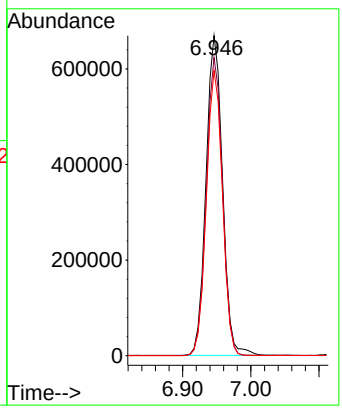




#9
Benzaldehyde
Concen: 40.434 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 77 Resp: 112779

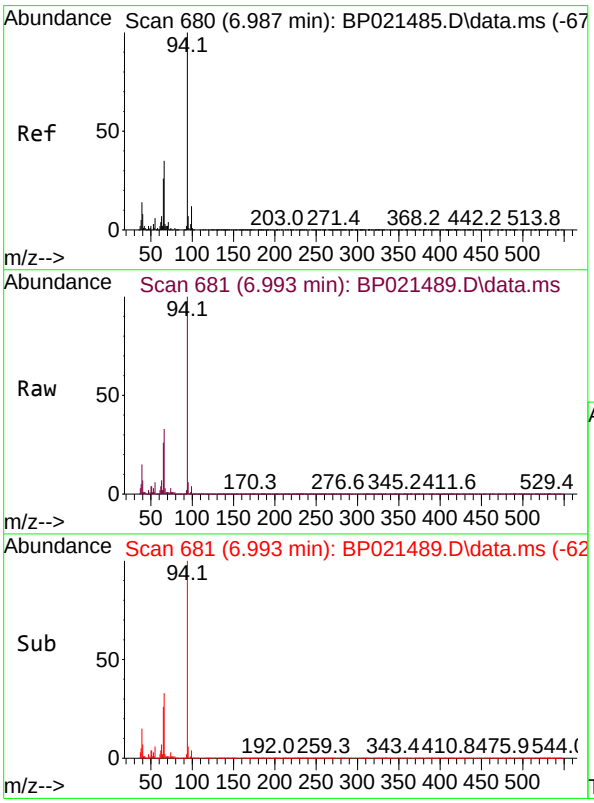
Ion	Ratio	Lower	Upper
77	100		
105	93.2	72.1	112.1
106	89.0	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

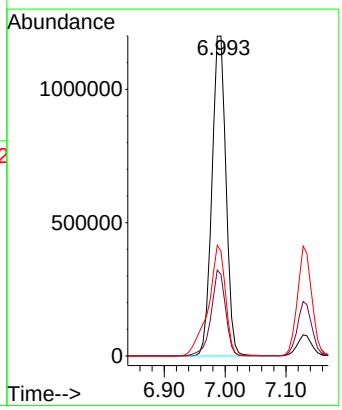
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

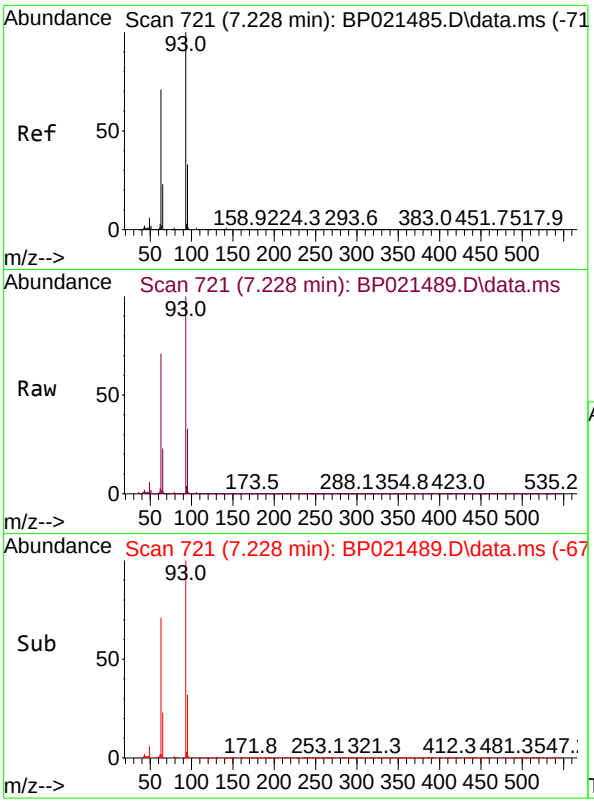


#10
Phenol
Concen: 42.607 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 94 Resp: 1922019

Ion	Ratio	Lower	Upper
94	100		
65	25.5	6.5	46.5
66	32.9	14.7	54.7

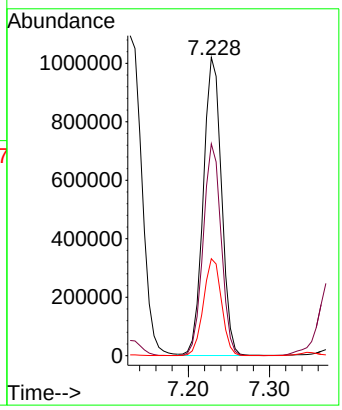




#11
bis(2-Chloroethyl)ether
Concen: 41.543 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 93 Resp: 158575

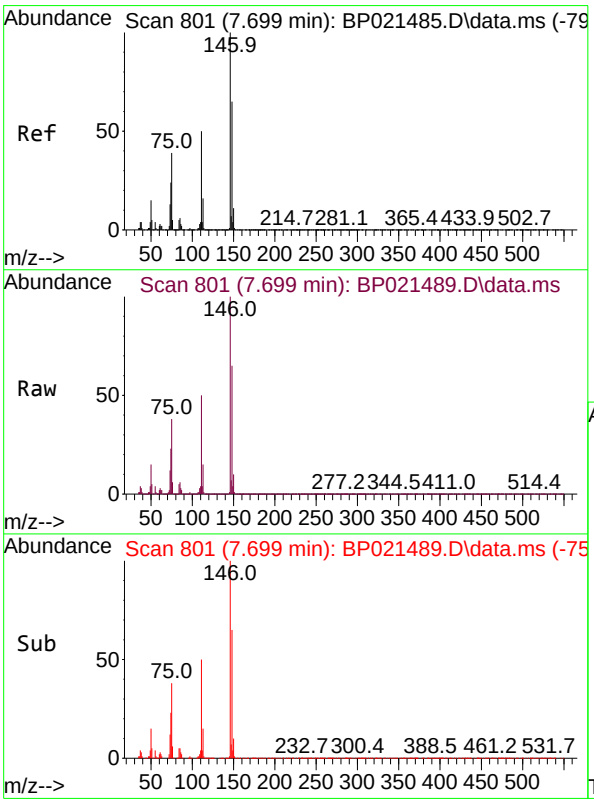
Ion	Ratio	Lower	Upper
93	100		
63	71.1	51.0	91.0
95	32.5	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

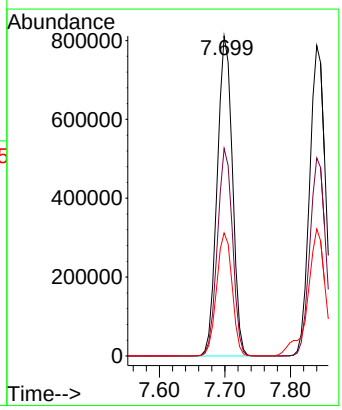
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

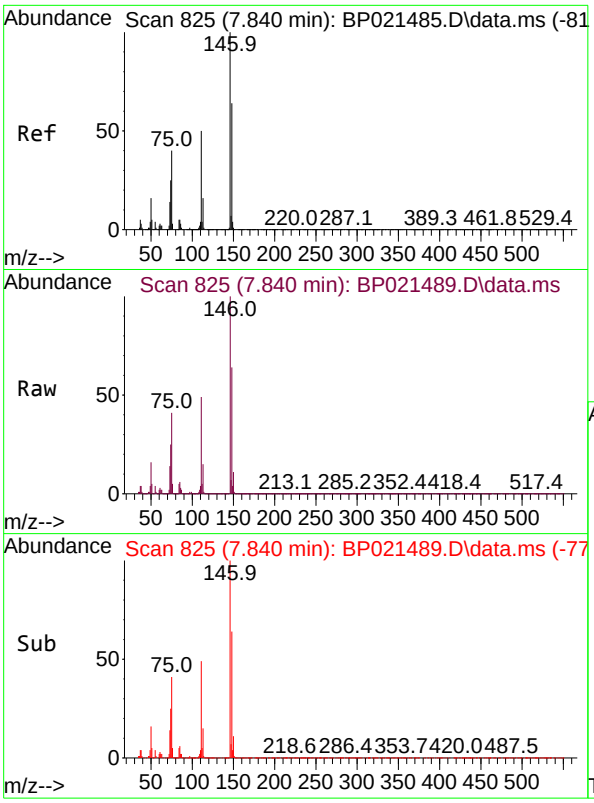


#12
1,3-Dichlorobenzene
Concen: 39.674 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:146 Resp: 1300530

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.6
75	38.5	31.3	46.9

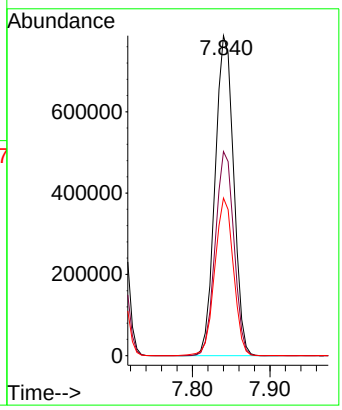




#13
1,4-Dichlorobenzene
Concen: 39.564 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:146 Resp: 130960

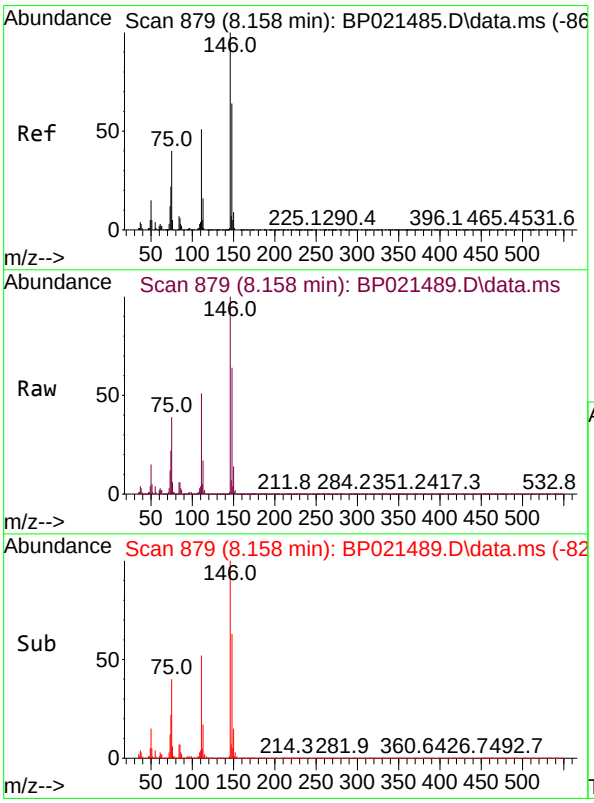
Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.5	77.3
111	49.2	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

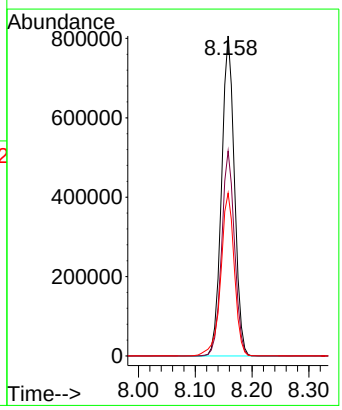
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

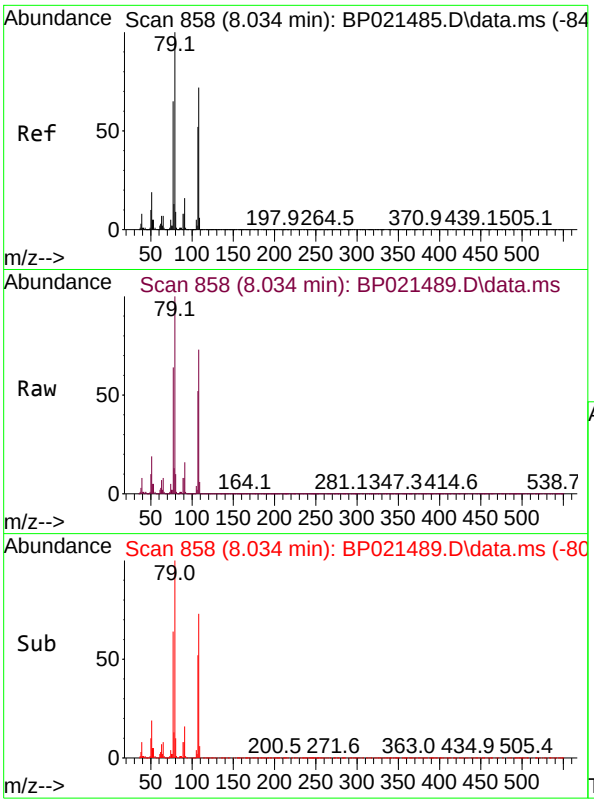


#14
1,2-Dichlorobenzene
Concen: 39.873 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:146 Resp: 1271884

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.5	77.3
111	50.9	41.1	61.7

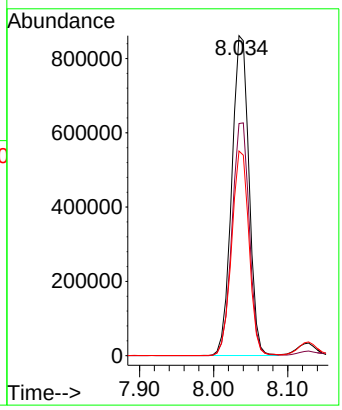




#15
Benzyl Alcohol
Concen: 44.472 ng
RT: 8.034 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 79 Resp: 139005

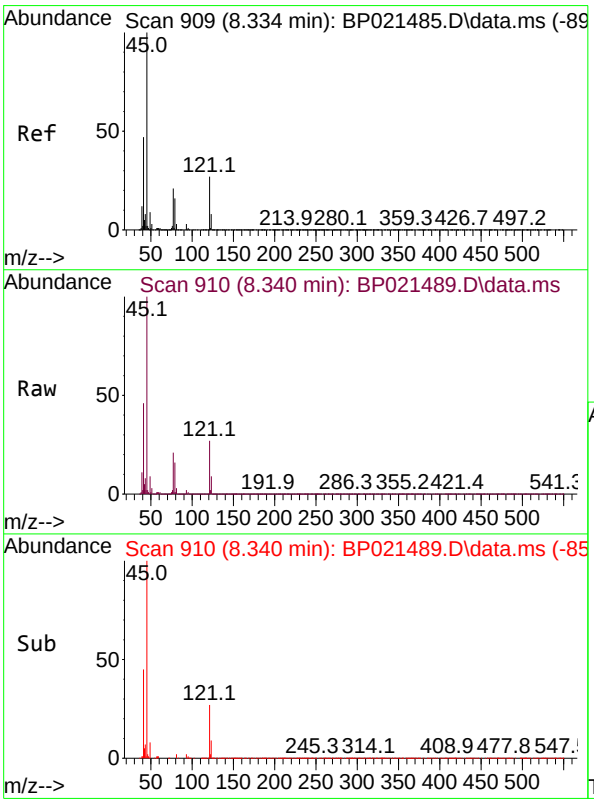
Ion	Ratio	Lower	Upper
79	100		
108	72.6	57.9	86.9
77	64.0	51.8	77.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

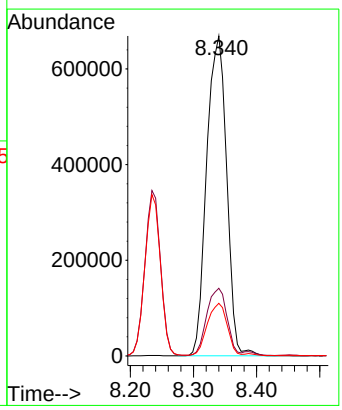
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

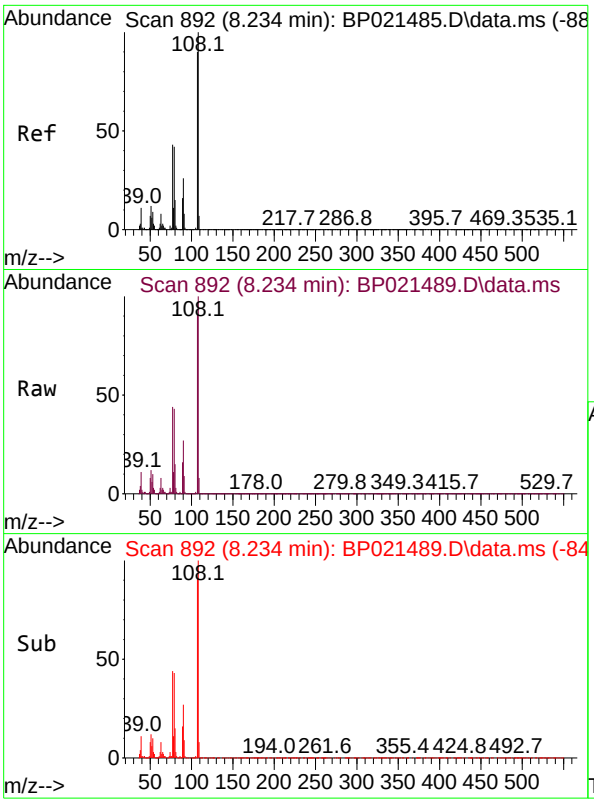


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.875 ng
RT: 8.340 min Scan# 910
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 45 Resp: 1471975

Ion	Ratio	Lower	Upper
45	100		
77	21.1	1.9	41.9
79	16.5	0.0	36.6

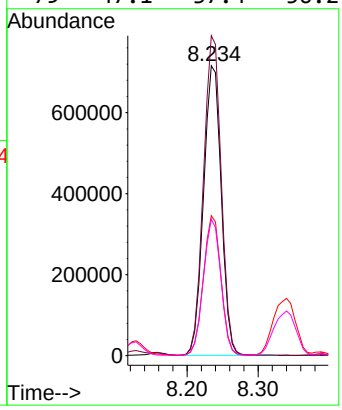




#17
2-Methylphenol
Concen: 43.687 ng
RT: 8.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:107 Resp: 124587

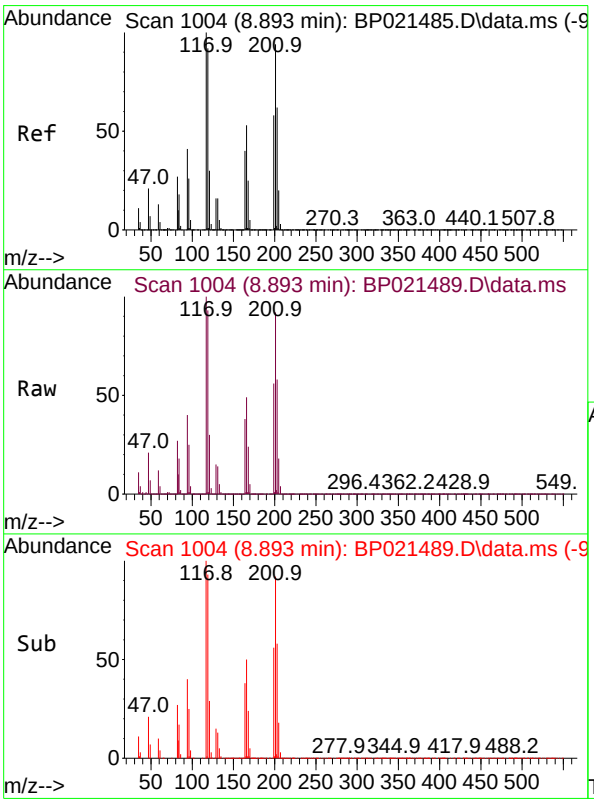
Ion	Ratio	Lower	Upper
107	100		
108	110.4	88.8	133.2
77	48.3	38.7	58.1
79	47.1	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

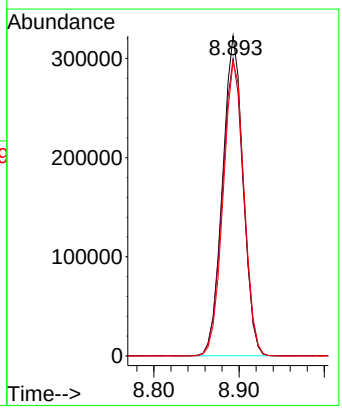
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

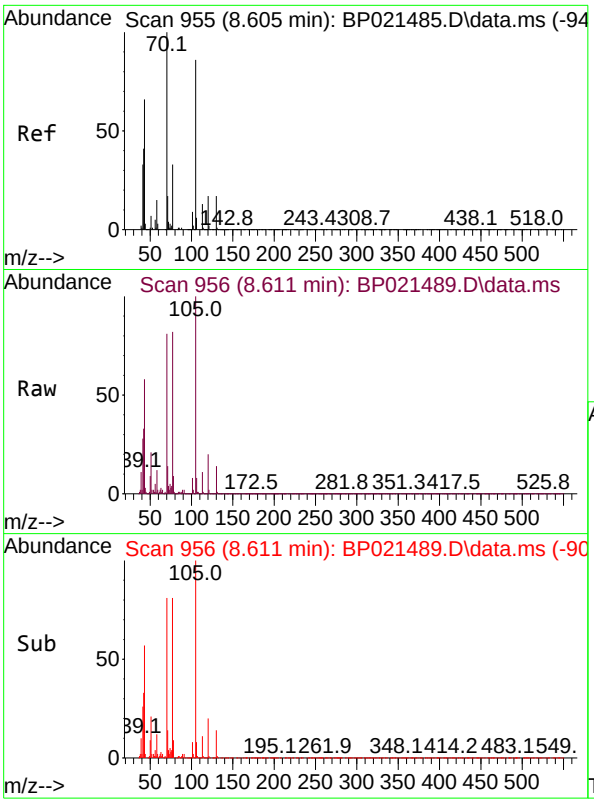


#18
Hexachloroethane
Concen: 40.755 ng
RT: 8.893 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:117 Resp: 540967

Ion	Ratio	Lower	Upper
117	100		
119	92.9	73.9	110.9
201	91.9	74.9	112.3

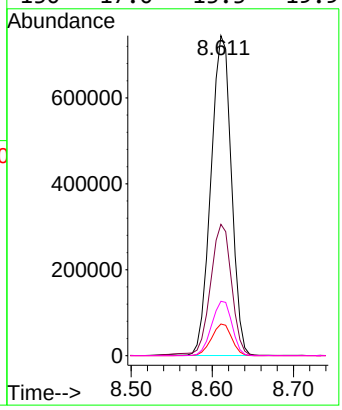




#19
n-Nitroso-di-n-propylamine
Concen: 43.304 ng
RT: 8.611 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 70 Resp: 130312

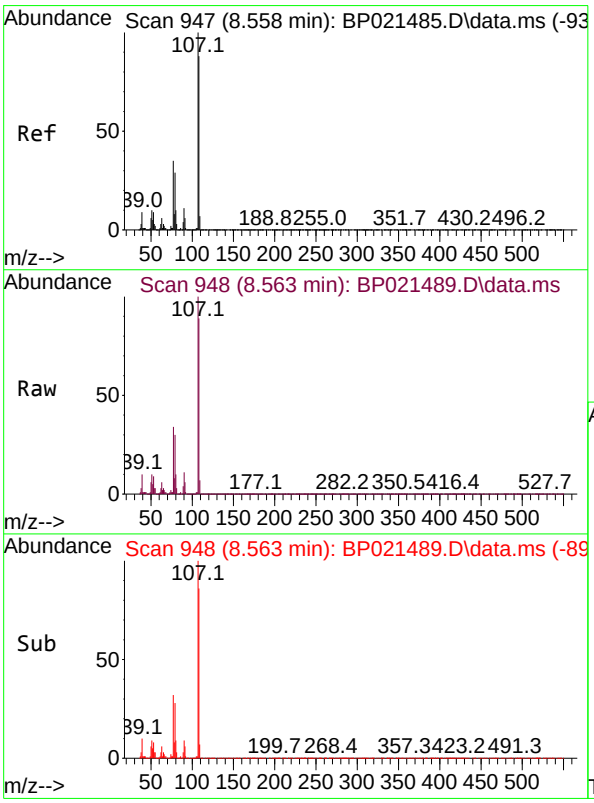
Ion	Ratio	Lower	Upper
70	100		
42	41.1	33.1	49.7
101	9.9	7.4	11.2
130	17.0	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

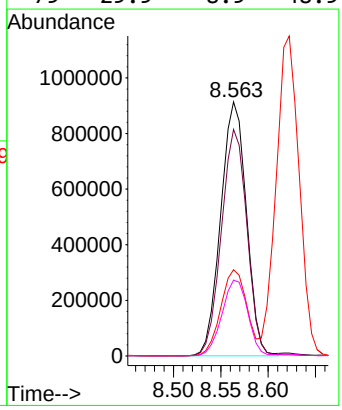
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

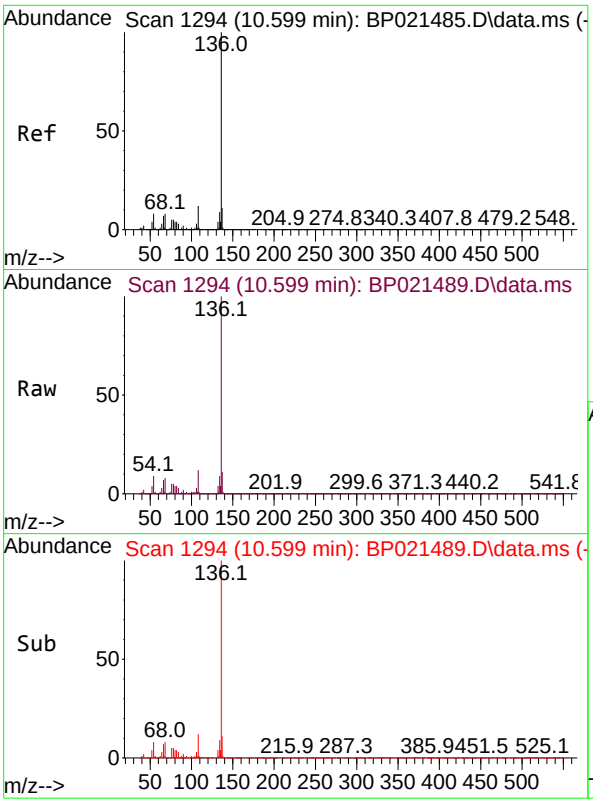


#20
3+4-Methylphenols
Concen: 44.850 ng
RT: 8.563 min Scan# 948
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:107 Resp: 1724643

Ion	Ratio	Lower	Upper
107	100		
108	89.2	67.6	107.6
77	34.0	15.0	55.0
79	29.9	8.9	48.9

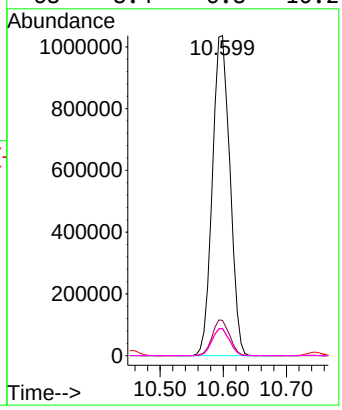




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:136 Resp: 200040

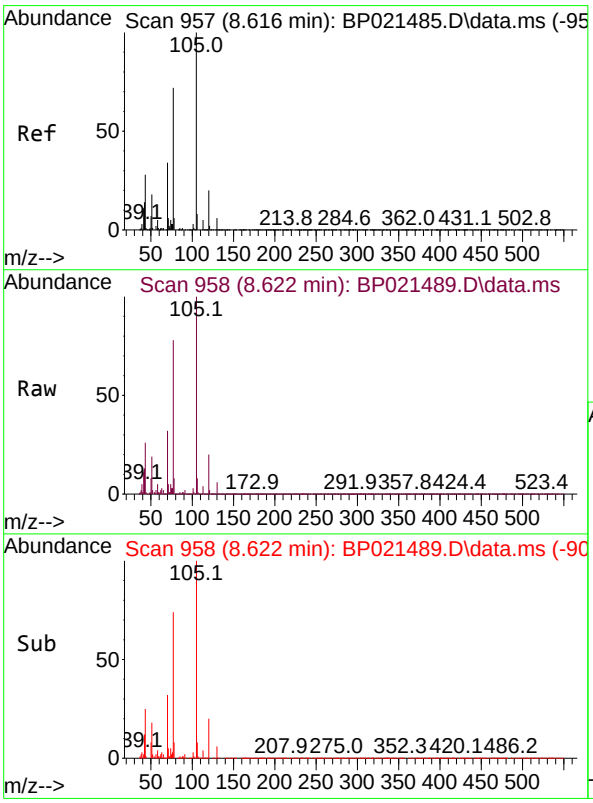
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.5	6.3	9.5
68	8.4	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

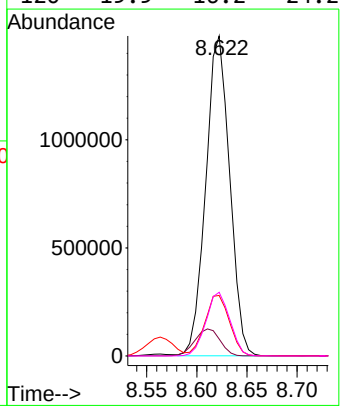
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

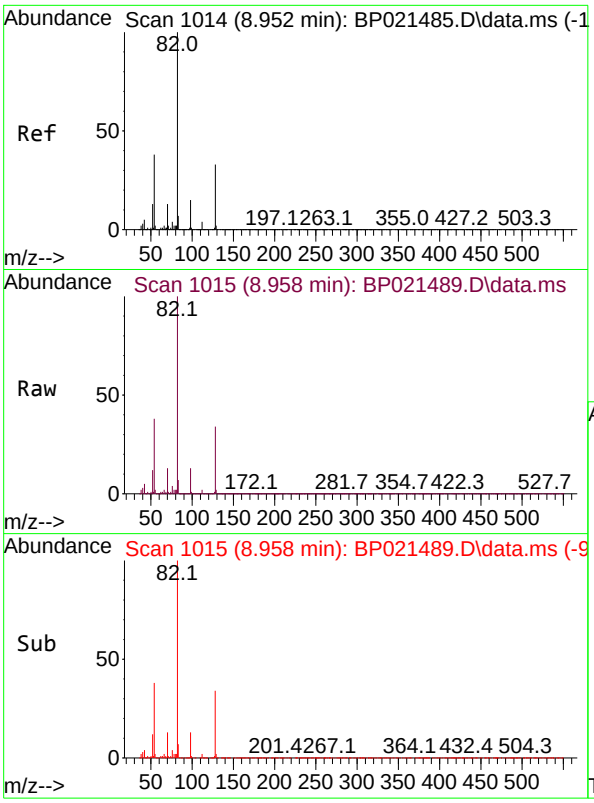


#22
Acetophenone
Concen: 39.936 ng
RT: 8.622 min Scan# 958
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:105 Resp: 2454249

Ion	Ratio	Lower	Upper
105	100		
71	5.3	4.6	7.0
51	18.9	16.3	24.5
120	19.9	16.2	24.2

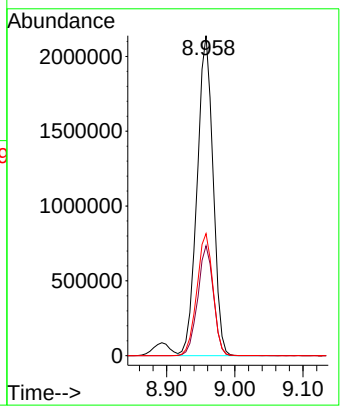




#23
Nitrobenzene-d5
Concen: 89.361 ng
RT: 8.958 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 82 Resp: 346332

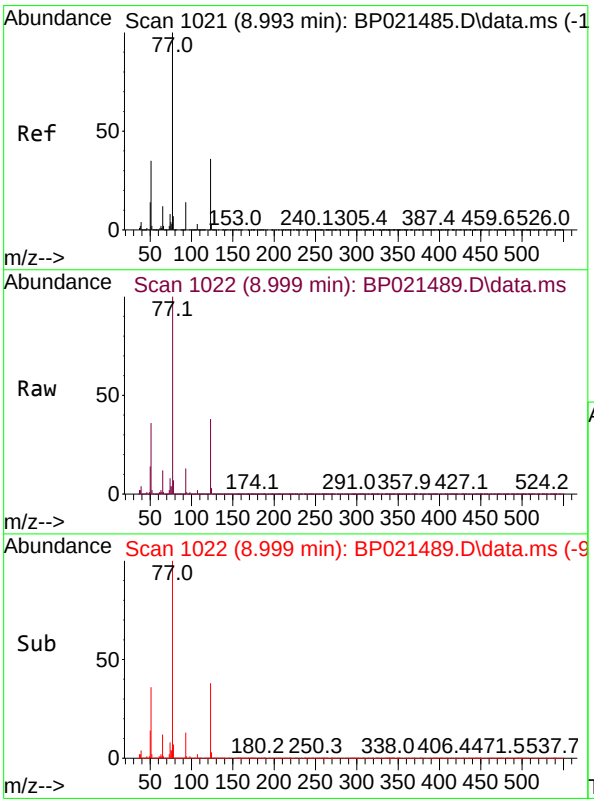
Ion	Ratio	Lower	Upper
82	100		
128	34.4	26.5	39.7
54	38.1	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
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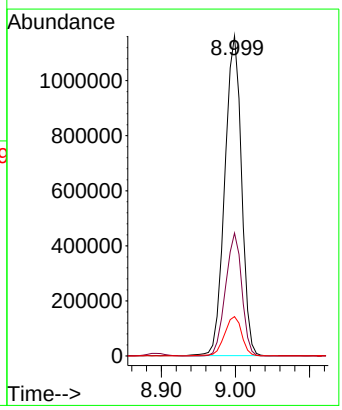
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

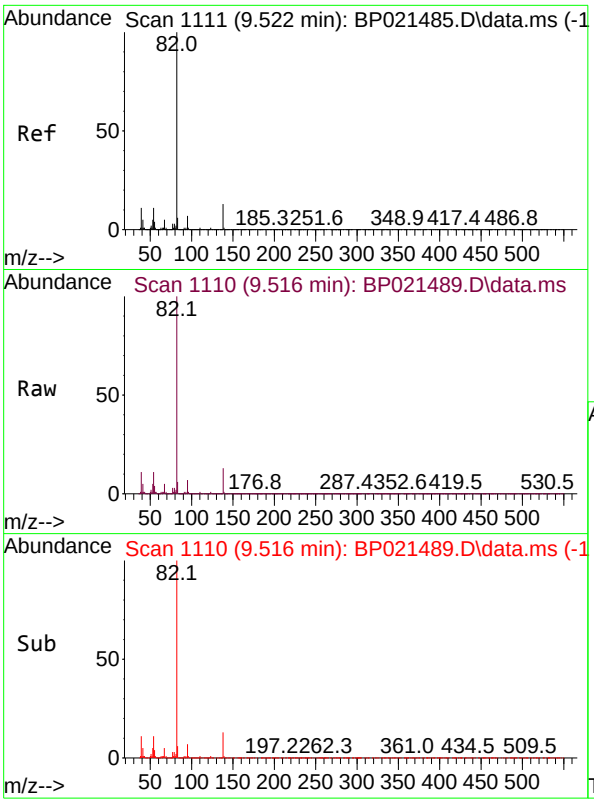


#24
Nitrobenzene
Concen: 43.244 ng
RT: 8.999 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 77 Resp: 1820293

Ion	Ratio	Lower	Upper
77	100		
123	38.4	29.5	44.3
65	12.3	9.9	14.9

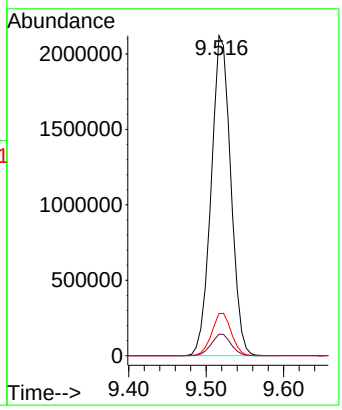




#25
Isophorone
Concen: 40.700 ng
RT: 9.516 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 82 Resp: 372649

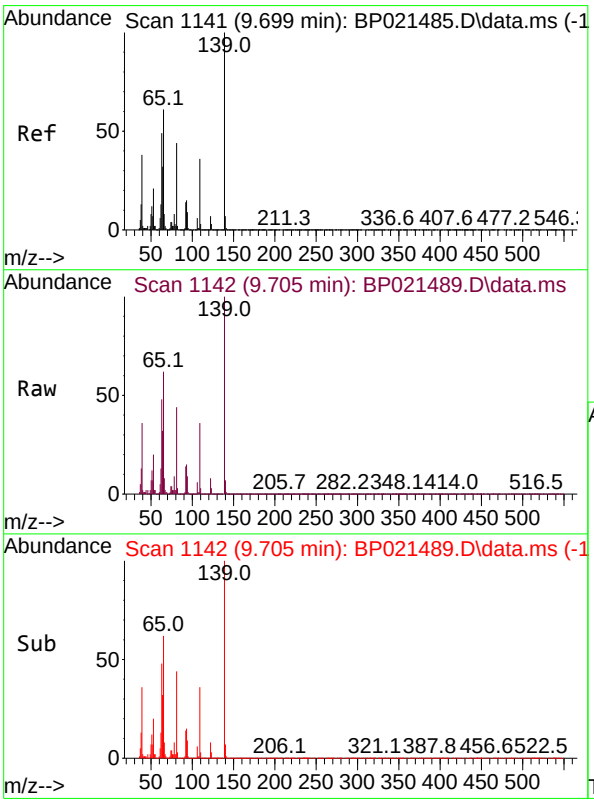
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

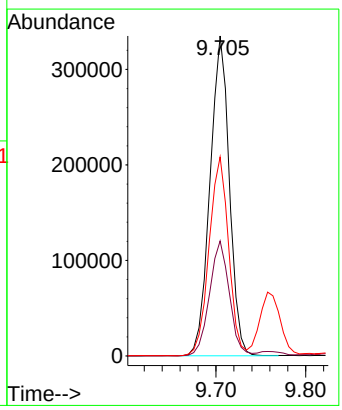
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

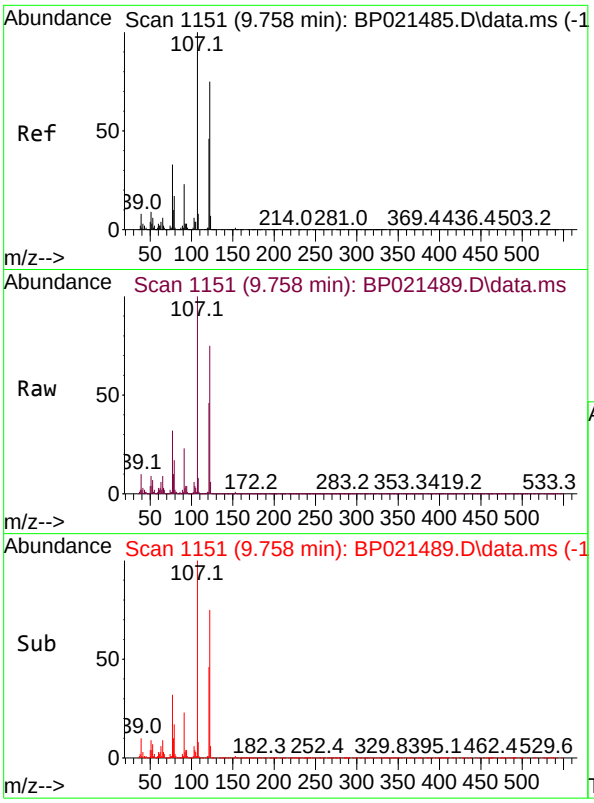


#26
2-Nitrophenol
Concen: 47.780 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:139 Resp: 501343

Ion	Ratio	Lower	Upper
139	100		
109	35.9	28.9	43.3
65	62.2	49.0	73.6





#27
2,4-Dimethylphenol
Concen: 41.179 ng
RT: 9.758 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

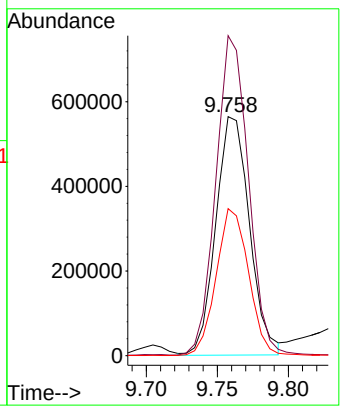
Tgt Ion:122 Resp: 93047

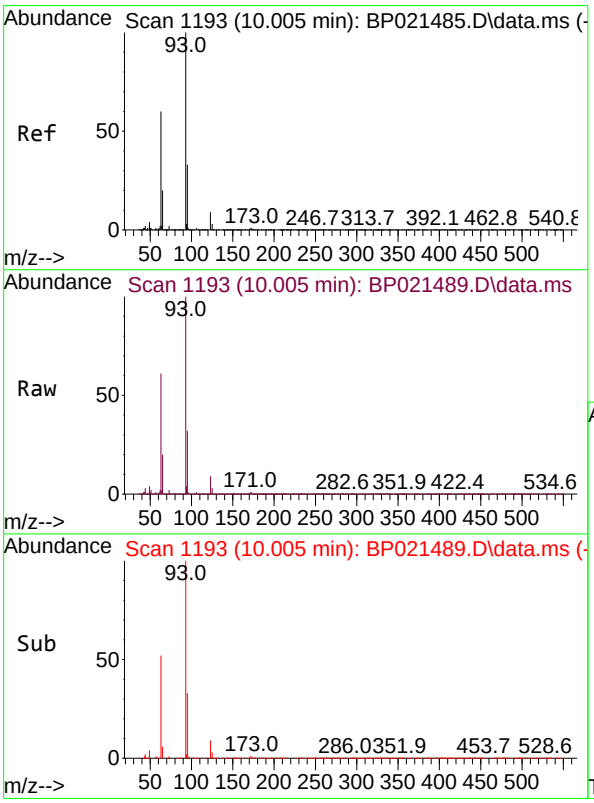
Ion	Ratio	Lower	Upper
122	100		
107	133.8	106.2	159.4
121	61.5	48.8	73.2

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

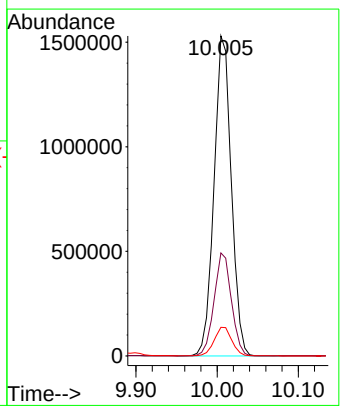


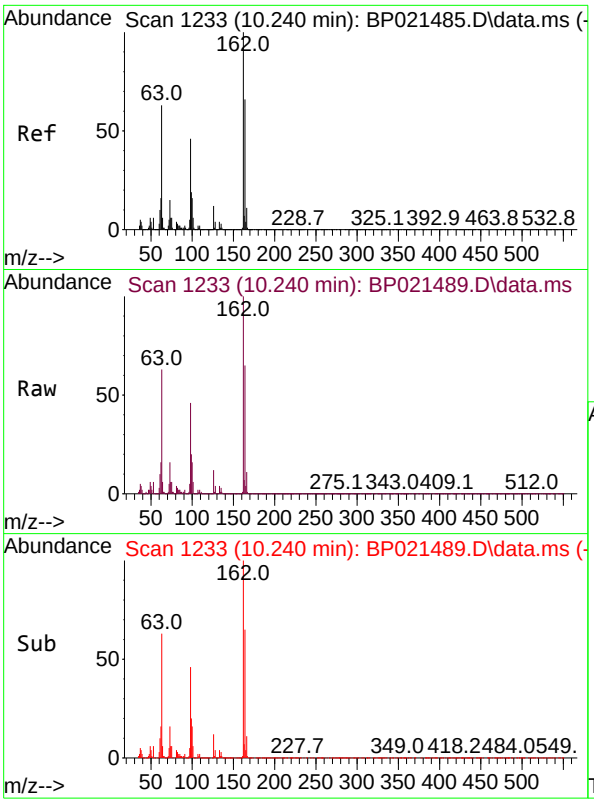


#28
bis(2-Chloroethoxy)methane
Concen: 40.438 ng
RT: 10.005 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 93 Resp: 2260063

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	8.9	7.6	11.4

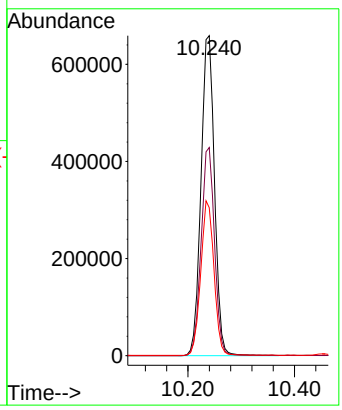




#29
2,4-Dichlorophenol
Concen: 43.442 ng
RT: 10.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:162 Resp: 115980

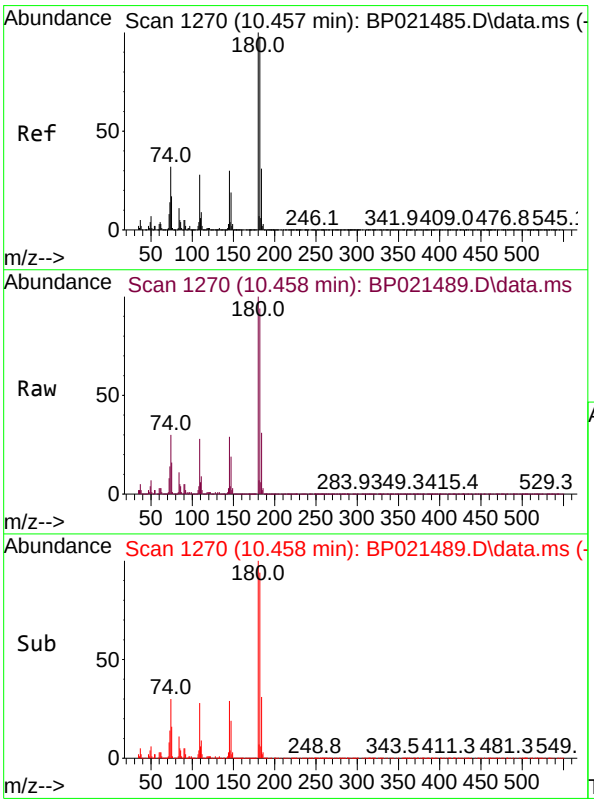
Ion	Ratio	Lower	Upper
162	100		
164	65.1	45.9	85.9
98	46.3	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

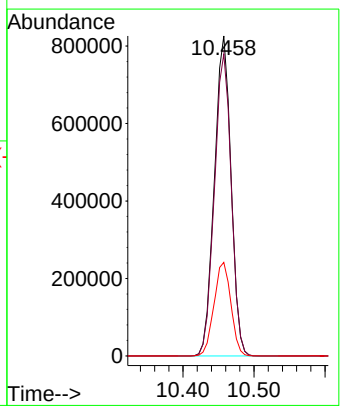
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

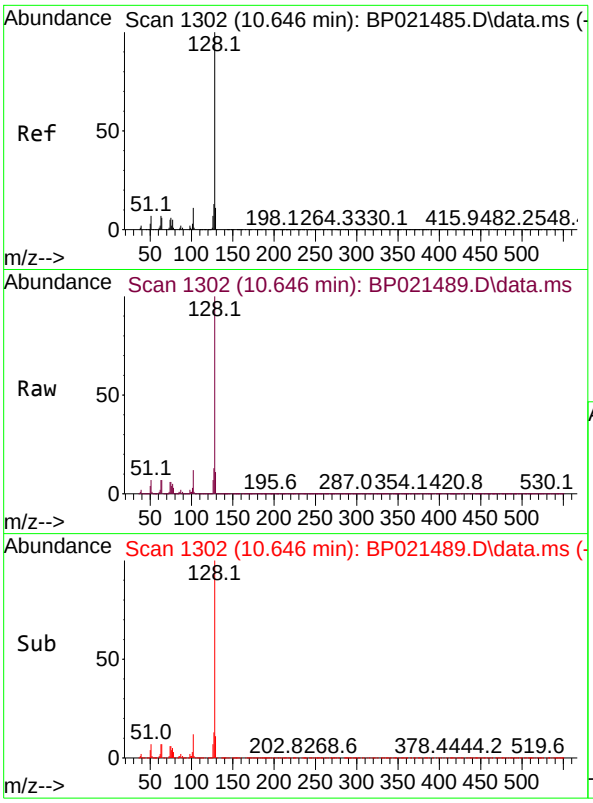


#30
1,2,4-Trichlorobenzene
Concen: 39.146 ng
RT: 10.458 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:180 Resp: 1339874

Ion	Ratio	Lower	Upper
180	100		
182	94.4	78.3	117.5
145	29.3	24.0	36.0

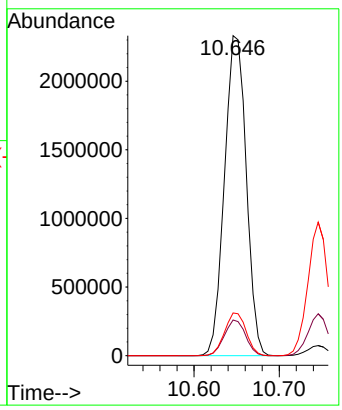




#31
Naphthalene
Concen: 39.629 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:128 Resp: 414129

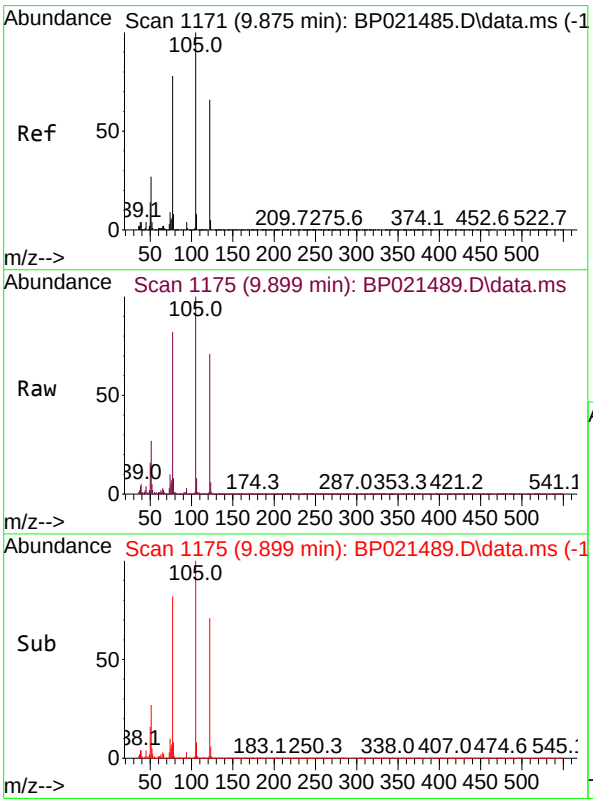
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.6	12.8
127	13.3	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

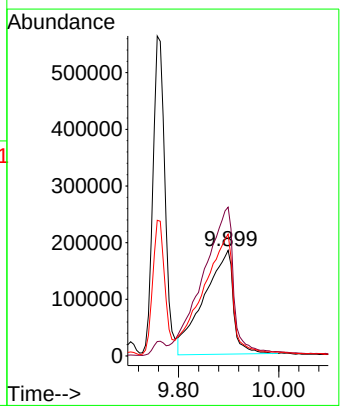
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

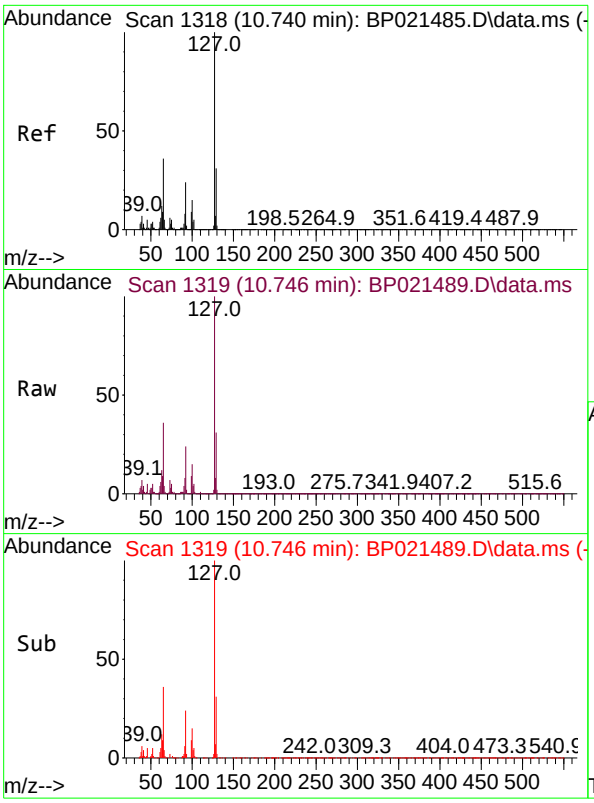


#32
Benzoic acid
Concen: 49.839 ng
RT: 9.899 min Scan# 1175
Delta R.T. 0.024 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:122 Resp: 747114

Ion	Ratio	Lower	Upper
122	100		
105	141.1	124.6	164.6
77	115.3	96.2	136.2

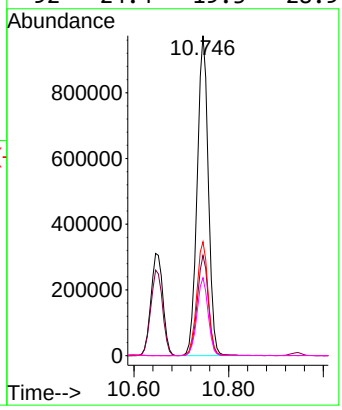




#33
4-Chloroaniline
Concen: 40.617 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:127 Resp: 159438

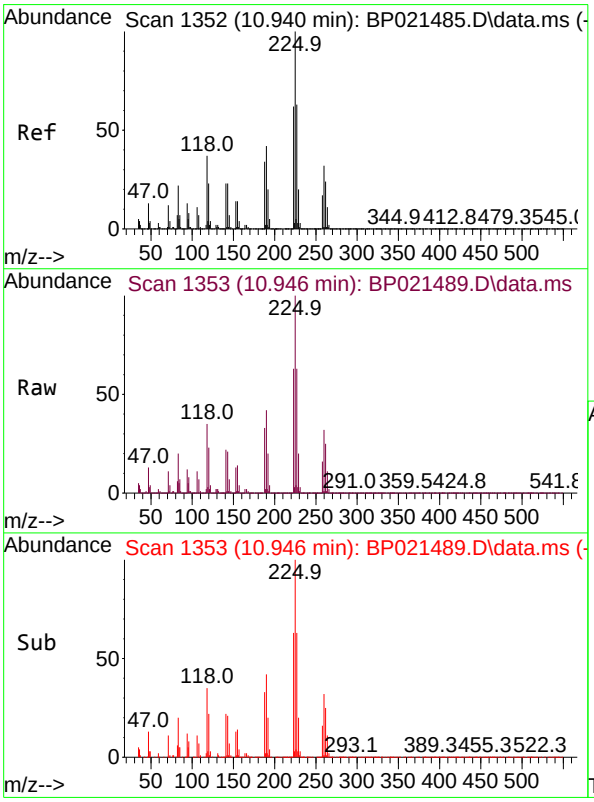
Ion	Ratio	Lower	Upper
127	100		
129	31.4	24.5	36.7
65	35.6	28.9	43.3
92	24.4	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

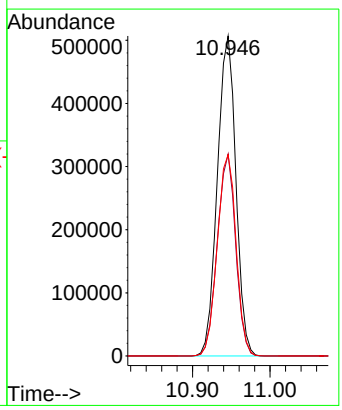
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

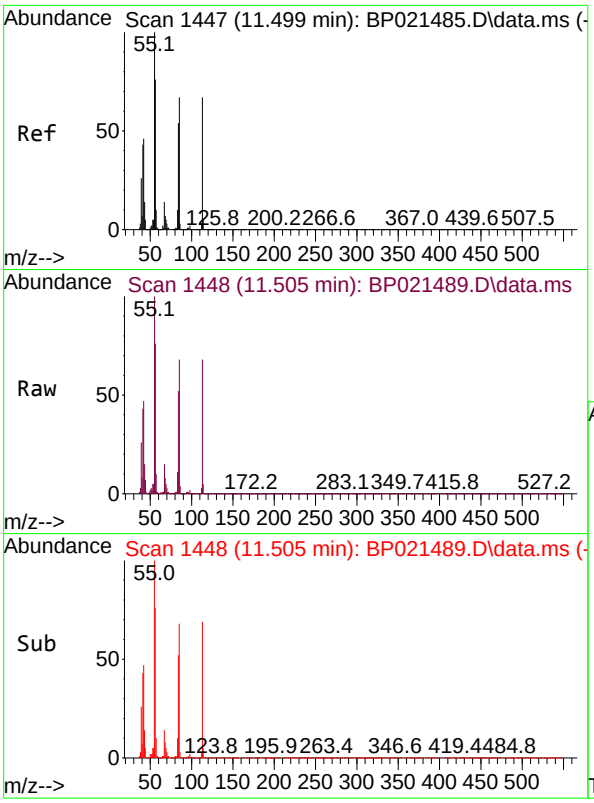


#34
Hexachlorobutadiene
Concen: 39.102 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:225 Resp: 842702

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.6	74.4
227	62.9	50.1	75.1





#35
Caprolactam
Concen: 41.786 ng
RT: 11.505 min Scan# 14
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

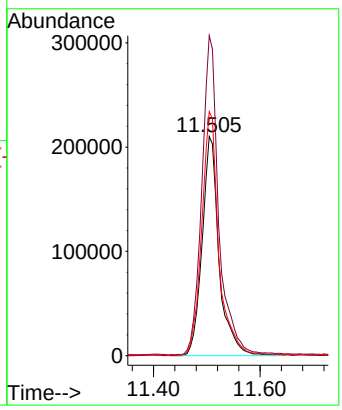
Tgt Ion:113 Resp: 46434

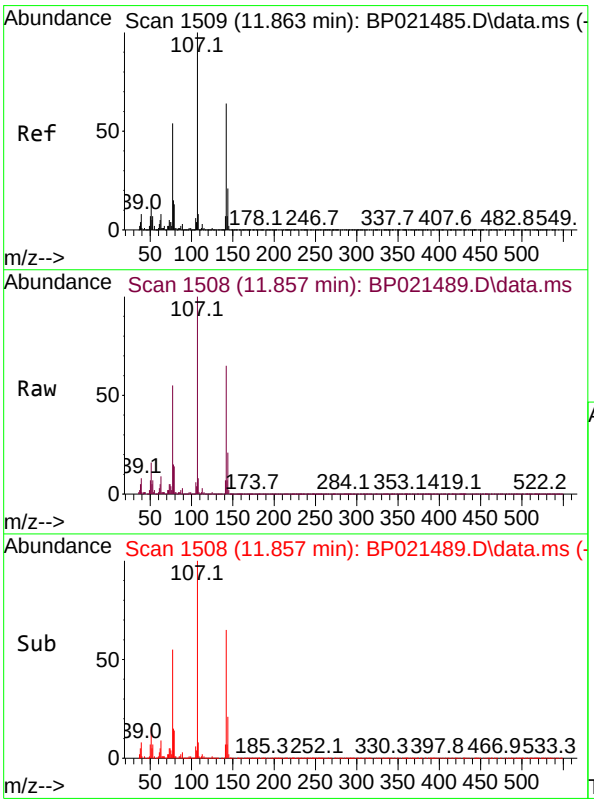
Ion	Ratio	Lower	Upper
113	100		
55	146.0	130.6	170.6
56	111.3	94.6	134.6

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

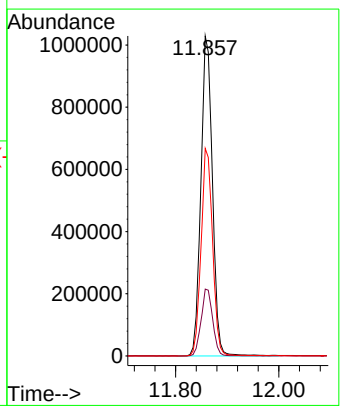


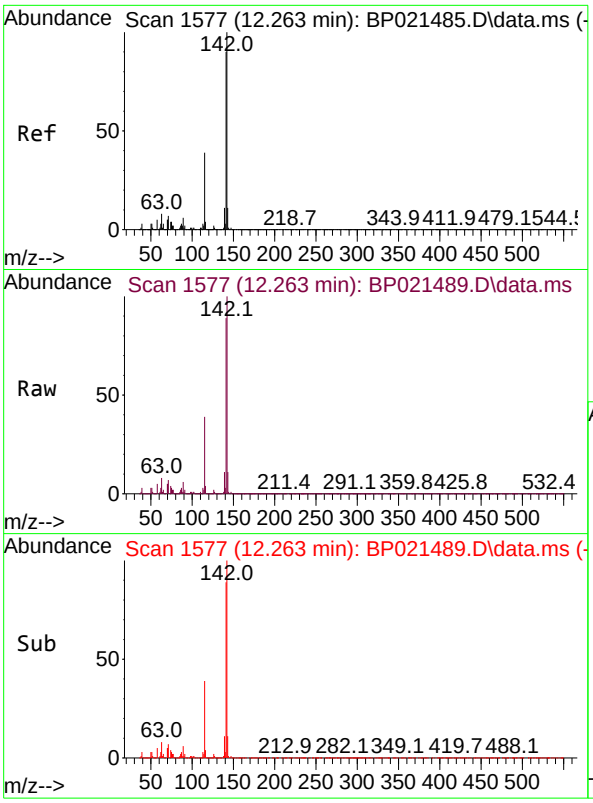


#36
4-Chloro-3-methylphenol
Concen: 42.987 ng
RT: 11.857 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:107 Resp: 1591956

Ion	Ratio	Lower	Upper
107	100		
144	20.9	16.6	24.8
142	64.9	51.0	76.4

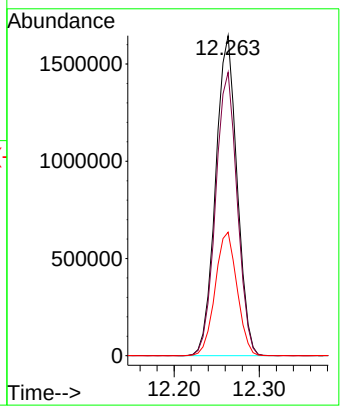




#37
2-Methylnaphthalene
Concen: 40.412 ng
RT: 12.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:142 Resp: 288223

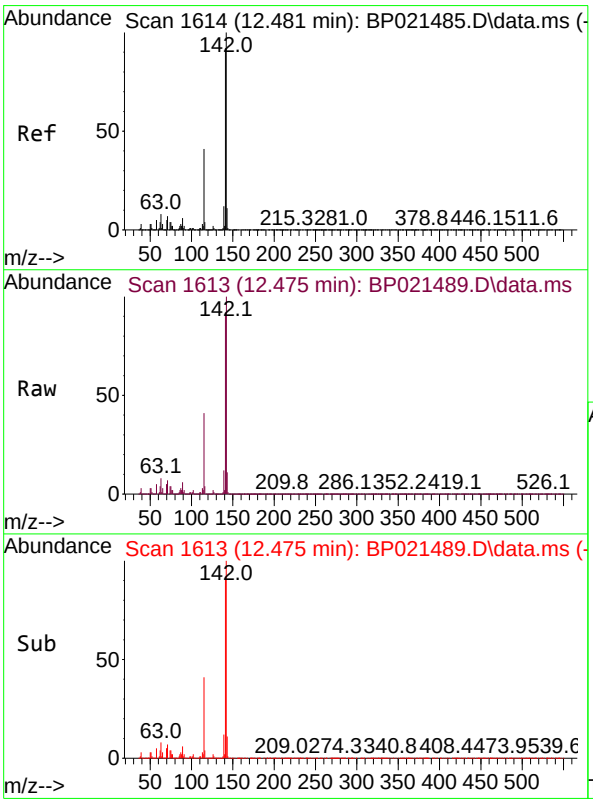
Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.7	107.5
115	38.6	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

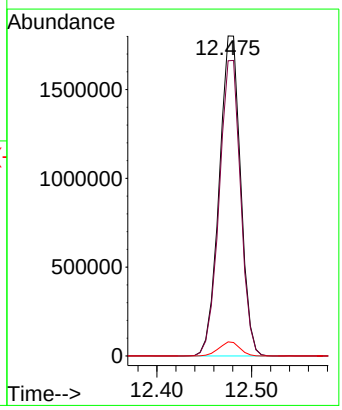
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

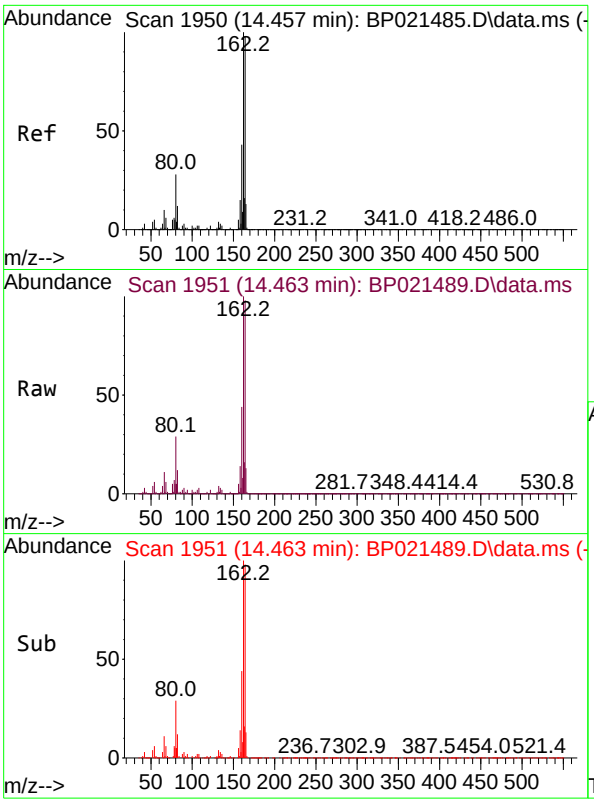


#38
1-Methylnaphthalene
Concen: 40.173 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:142 Resp: 2825877

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.5	110.3
116	4.4	3.4	5.2

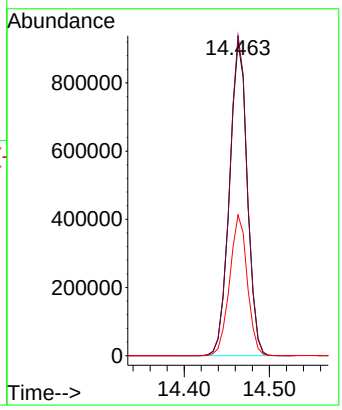




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:164 Resp: 133424

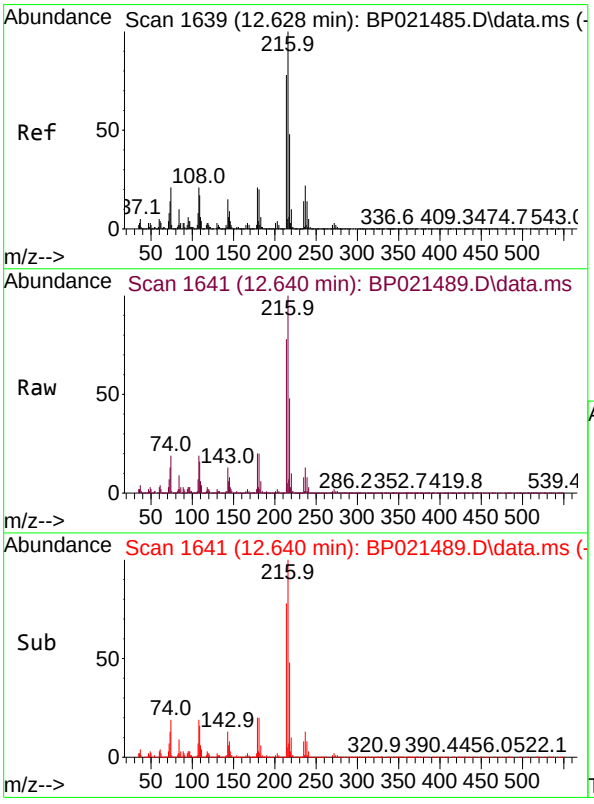
Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.5	122.3
160	44.9	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

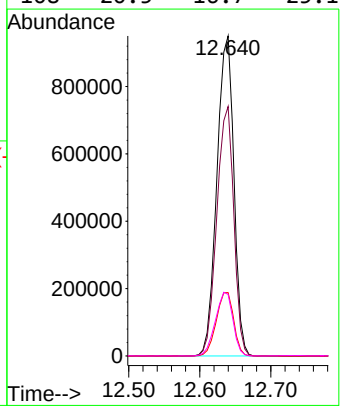
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

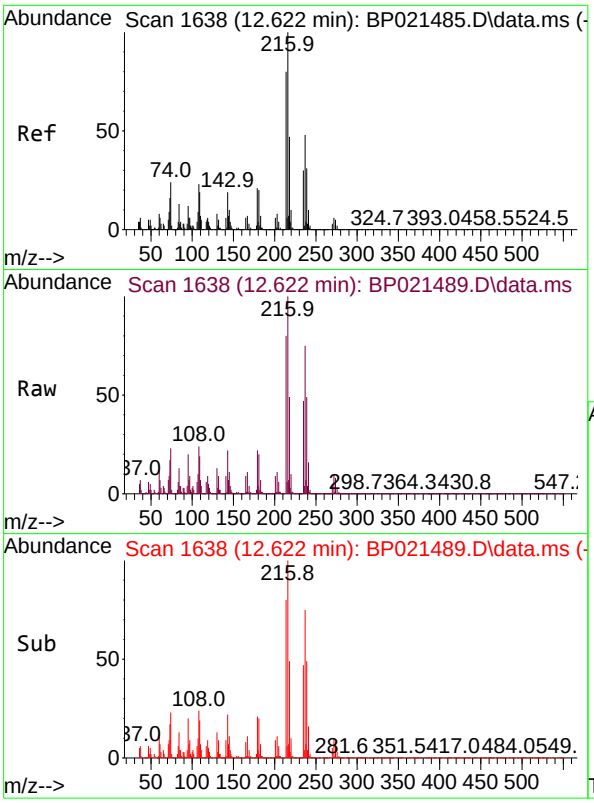


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.261 ng
RT: 12.640 min Scan# 1641
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:216 Resp: 1573947

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.5	93.7
179	20.3	16.4	24.6
108	20.5	16.7	25.1





#41
Hexachlorocyclopentadiene
Concen: 43.183 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

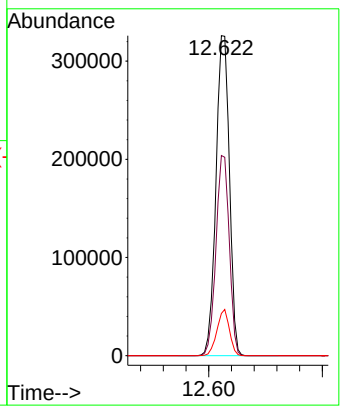
Instrument :
BNA_P
ClientSampleId :
ICVBP081324

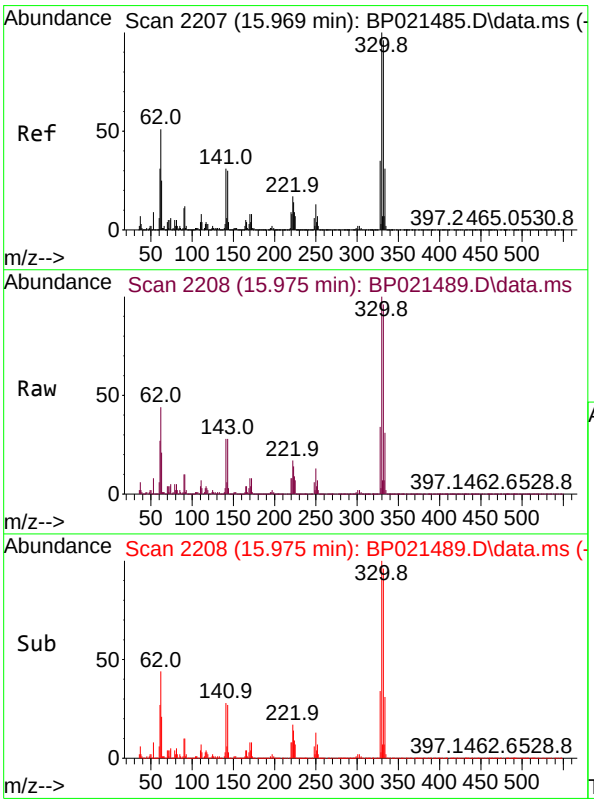
Tgt Ion:237 Resp: 53505

Ion	Ratio	Lower	Upper
237	100		
235	62.6	43.9	83.9
272	13.2	0.0	33.3

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Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

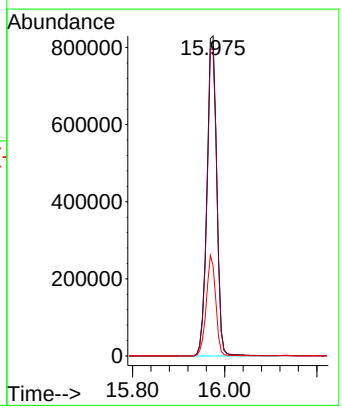


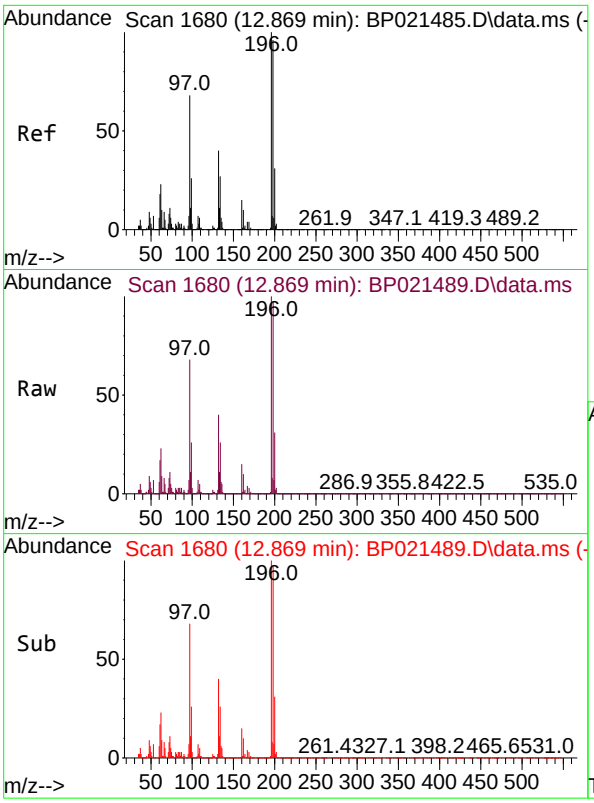


#42
2,4,6-Tribromophenol
Concen: 83.477 ng
RT: 15.975 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:330 Resp: 1239599

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.0
141	30.2	24.5	36.7

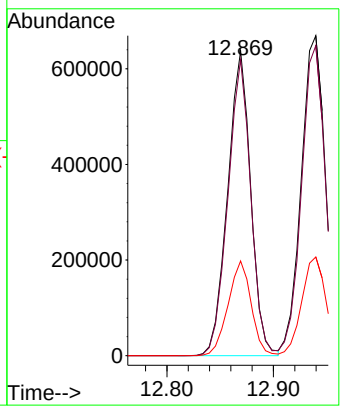




#43
2,4,6-Trichlorophenol
Concen: 44.249 ng
RT: 12.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:196 Resp: 96091

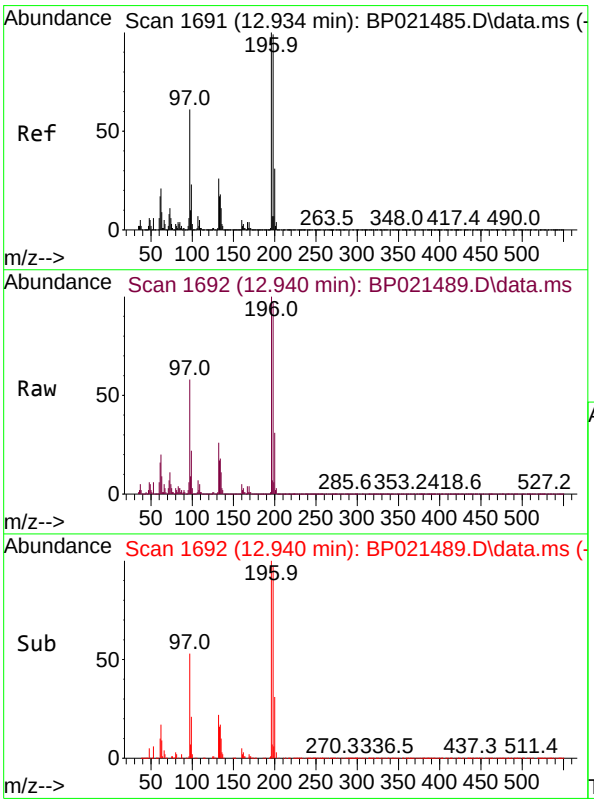
Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.6	114.8
200	31.1	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

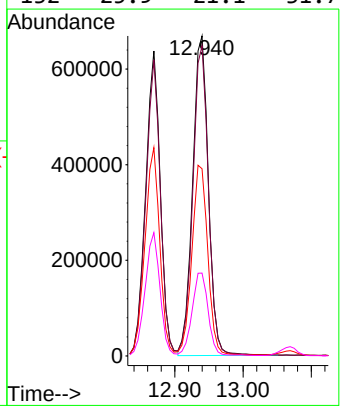
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

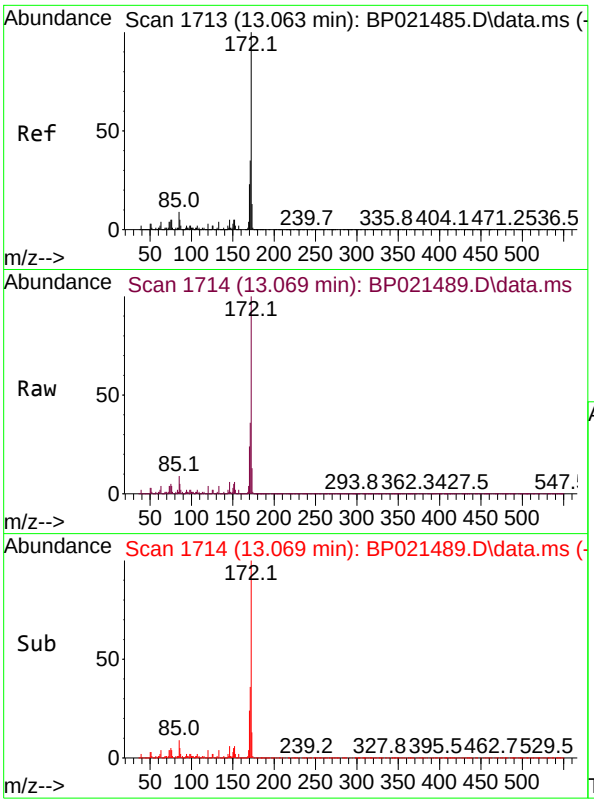


#44
2,4,5-Trichlorophenol
Concen: 44.396 ng
RT: 12.940 min Scan# 1692
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:196 Resp: 1071161

Ion	Ratio	Lower	Upper
196	100		
198	96.9	78.9	118.3
97	58.5	49.4	74.0
132	25.9	21.1	31.7

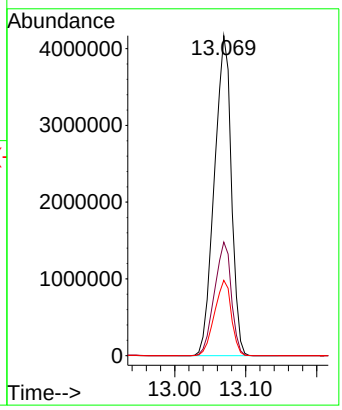




#45
2-Fluorobiphenyl
Concen: 78.649 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:172 Resp: 687586

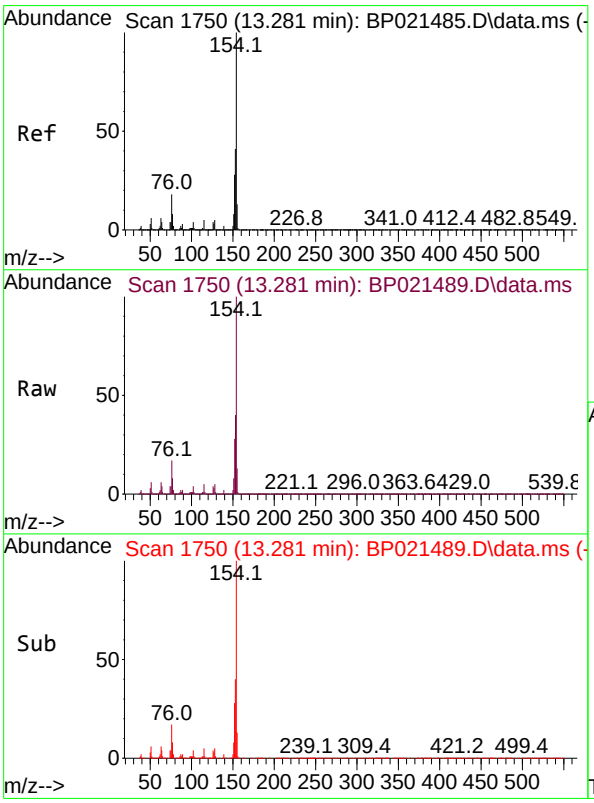
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.4
170	23.6	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

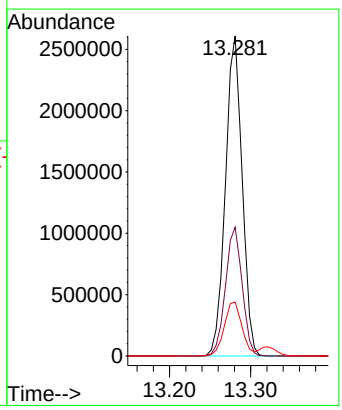
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

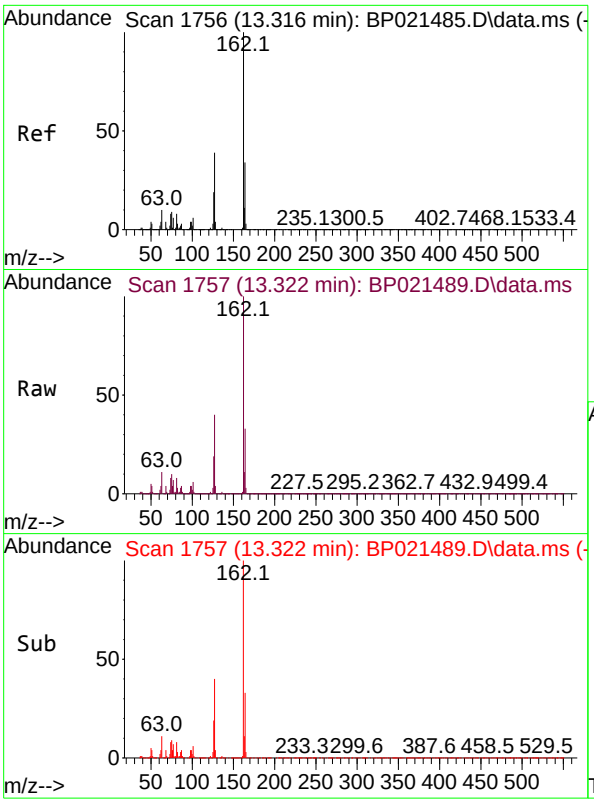


#46
1,1'-Biphenyl
Concen: 39.542 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:154 Resp: 3732699

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	16.9	0.0	37.7

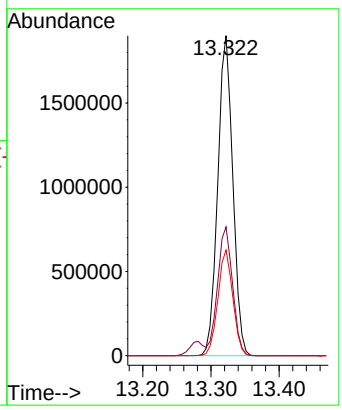




#47
2-Chloronaphthalene
Concen: 39.695 ng
RT: 13.322 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:162 Resp: 291730

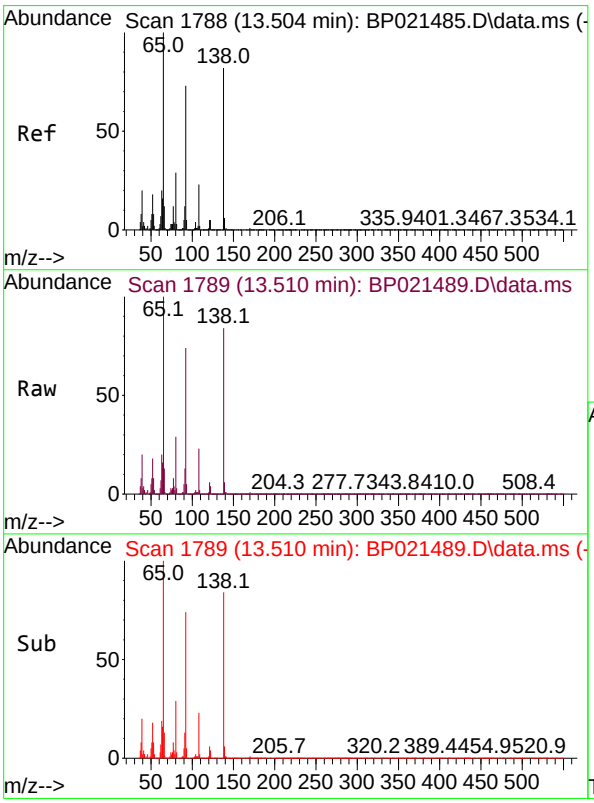
Ion	Ratio	Lower	Upper
162	100		
127	40.2	31.9	47.9
164	33.0	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

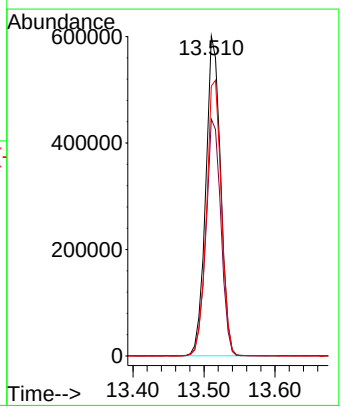
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

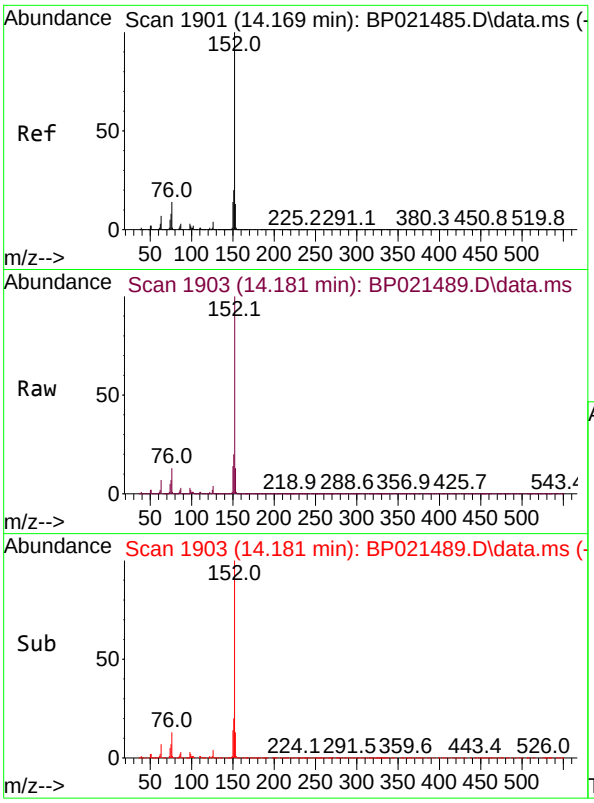


#48
2-Nitroaniline
Concen: 43.044 ng
RT: 13.510 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 65 Resp: 874355

Ion	Ratio	Lower	Upper
65	100		
92	74.0	58.1	87.1
138	84.4	65.5	98.3

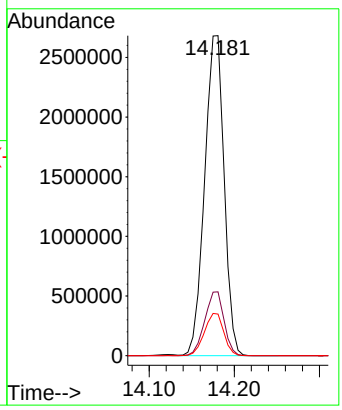




#49
Acenaphthylene
Concen: 39.531 ng
RT: 14.181 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:152 Resp: 427089

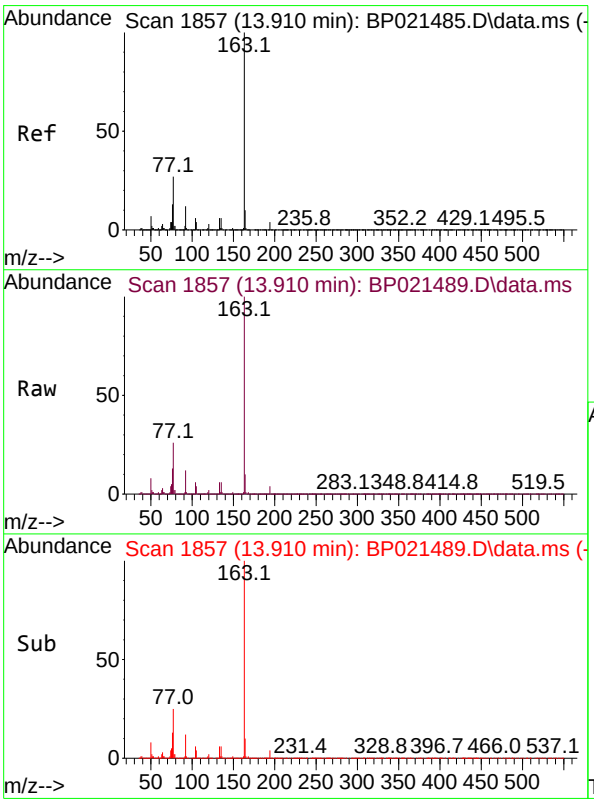
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.0	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
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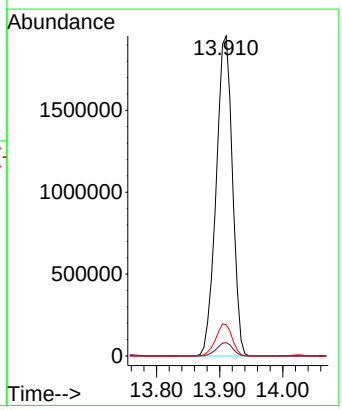
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

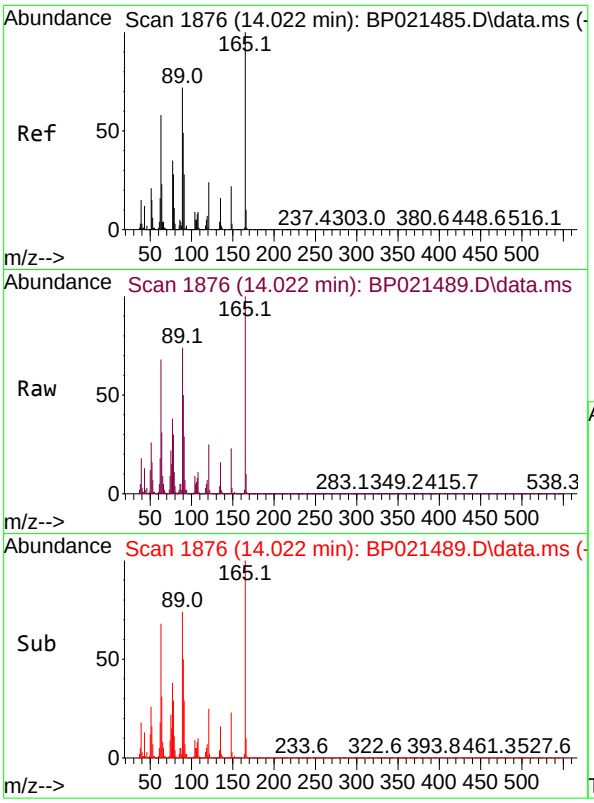


#50
Dimethylphthalate
Concen: 39.127 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:163 Resp: 3496130

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.7	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 41.424 ng
RT: 14.022 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

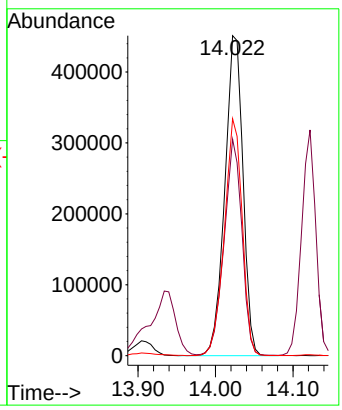
Tgt Ion:165 Resp: 73599

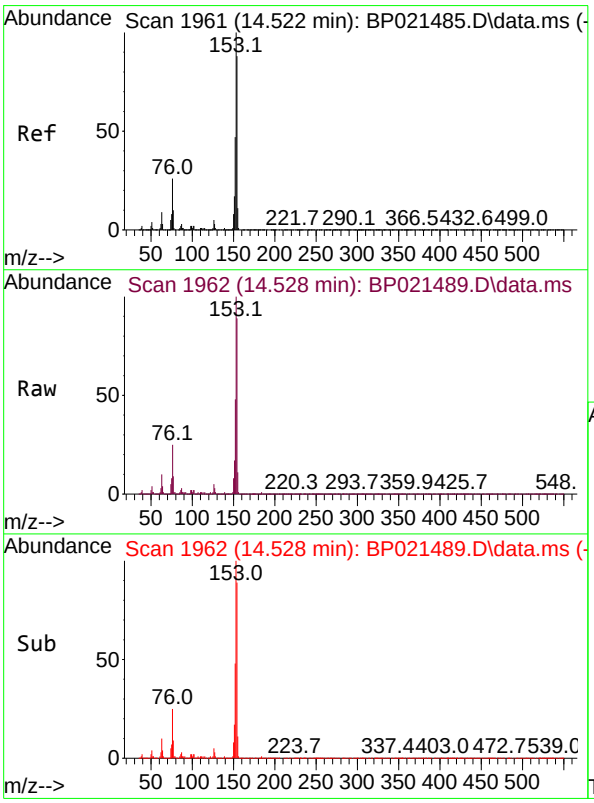
Ion	Ratio	Lower	Upper
165	100		
63	67.6	51.5	77.3
89	74.0	57.8	86.8

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

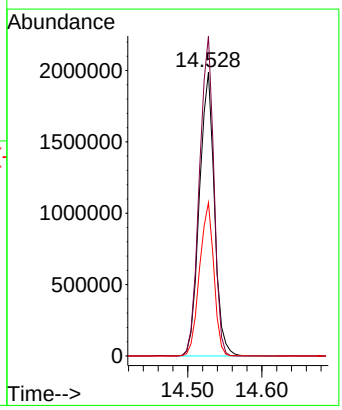


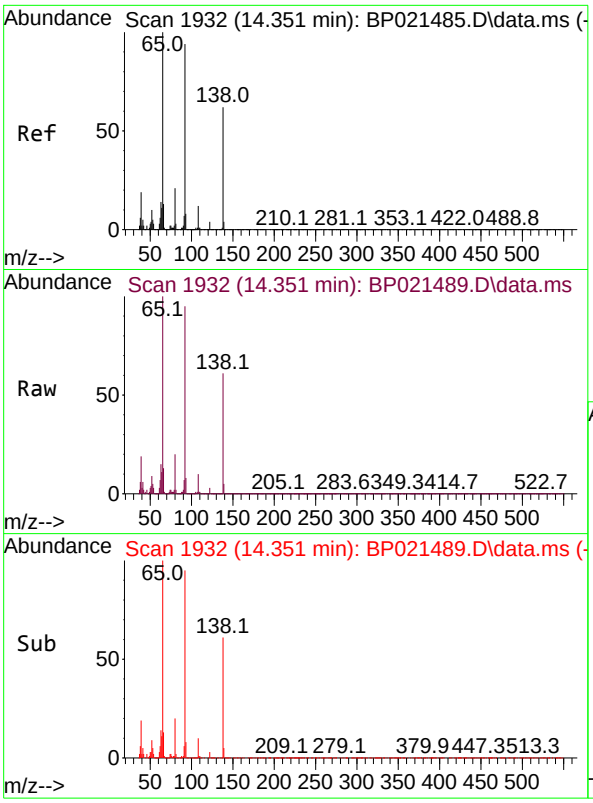


#52
Acenaphthene
Concen: 39.366 ng
RT: 14.528 min Scan# 1962
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:154 Resp: 2790584

Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.1	136.7
152	54.0	43.0	64.4





#53
3-Nitroaniline
Concen: 40.483 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

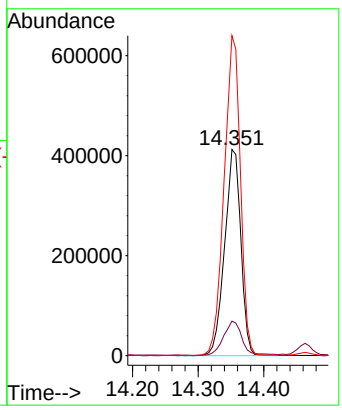
Tgt Ion:138 Resp: 70542

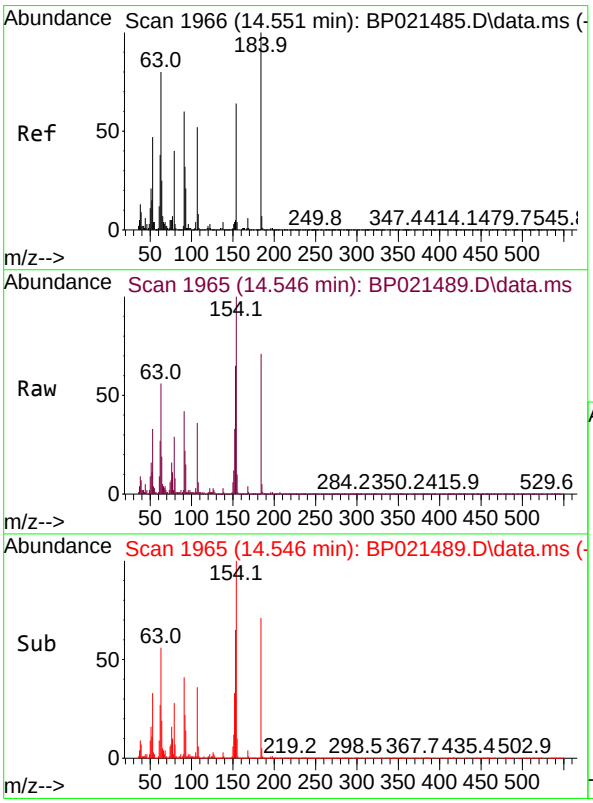
Ion	Ratio	Lower	Upper
138	100		
108	16.7	16.2	24.4
92	155.2	122.2	183.4

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

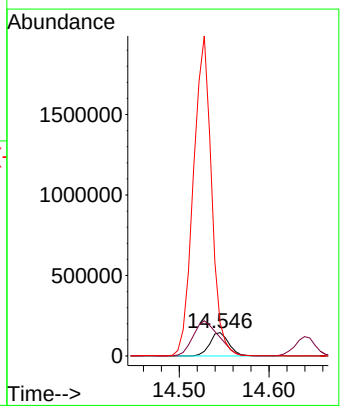


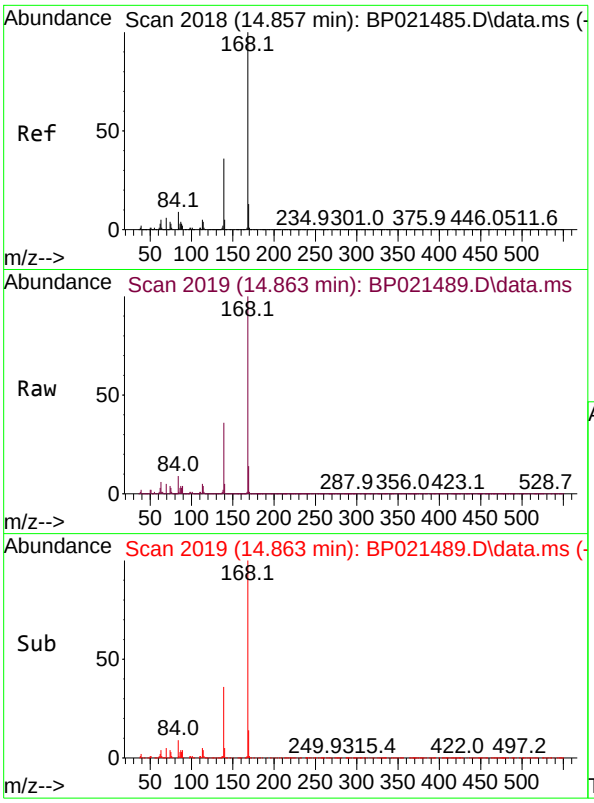


#54
2,4-Dinitrophenol
Concen: 45.065 ng
RT: 14.546 min Scan# 1965
Delta R.T. -0.005 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:184 Resp: 215120

Ion	Ratio	Lower	Upper
184	100		
63	79.1	64.9	97.3
154	140.5	52.1	78.1#

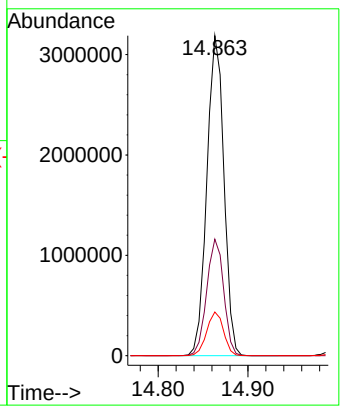




#55
Dibenzofuran
Concen: 38.543 ng
RT: 14.863 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:168 Resp: 420299

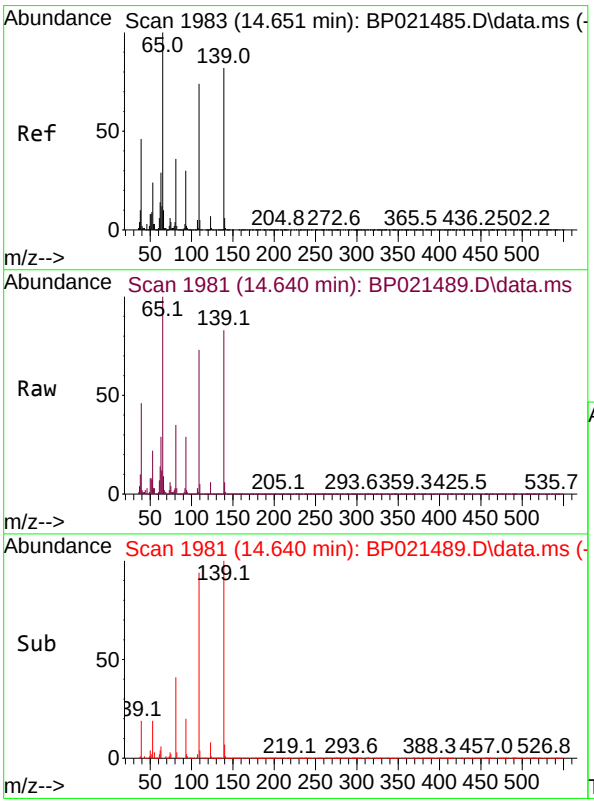
Ion	Ratio	Lower	Upper
168	100		
139	36.4	28.6	43.0
169	13.6	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

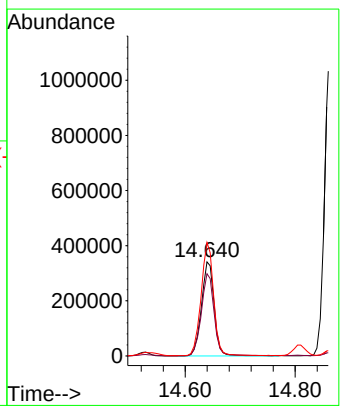
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

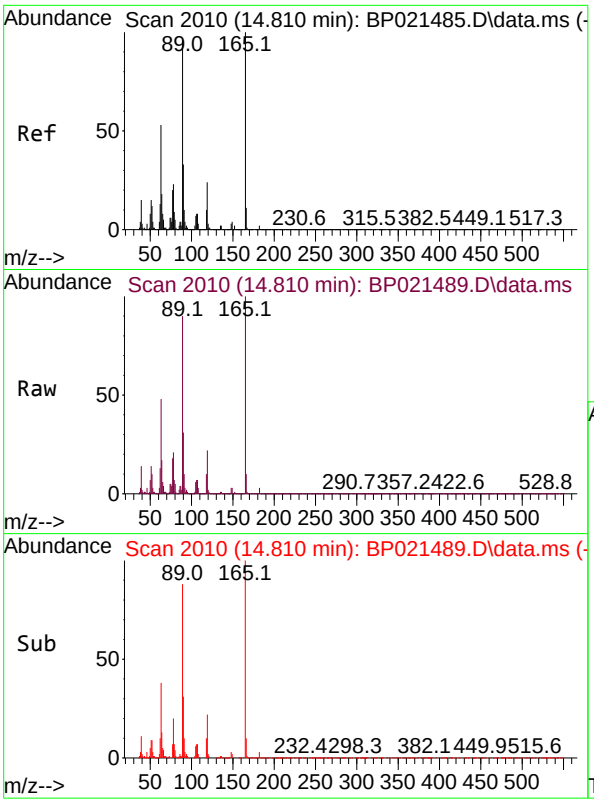


#56
4-Nitrophenol
Concen: 39.582 ng
RT: 14.640 min Scan# 1981
Delta R.T. -0.011 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:139 Resp: 545969

Ion	Ratio	Lower	Upper
139	100		
109	87.4	70.2	110.2
65	120.5	101.8	141.8

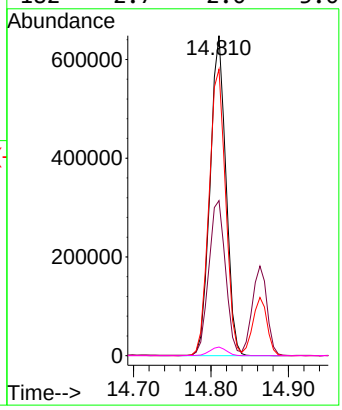




#57
2,4-Dinitrotoluene
Concen: 40.864 ng
RT: 14.810 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:165 Resp: 91779

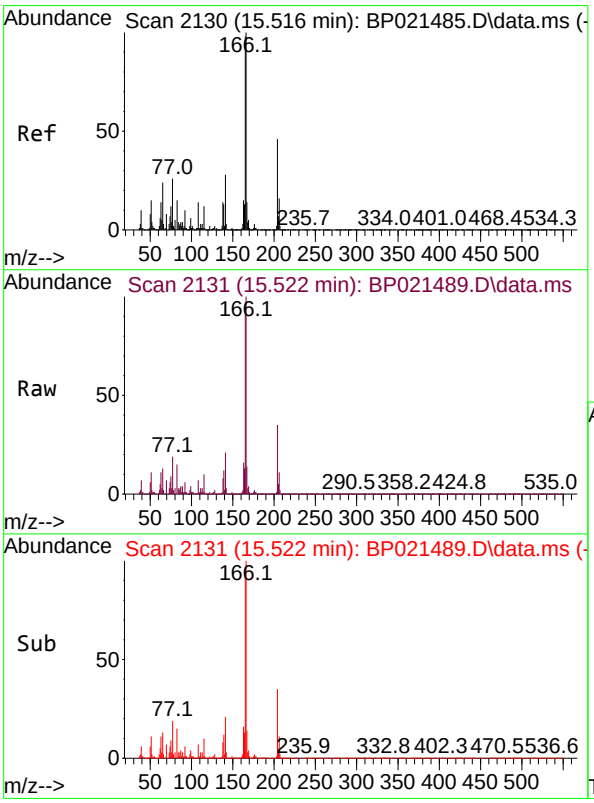
Ion	Ratio	Lower	Upper
165	100		
63	48.5	42.5	63.7
89	89.5	77.1	115.7
182	2.7	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

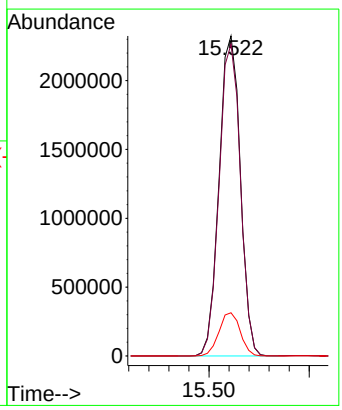
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

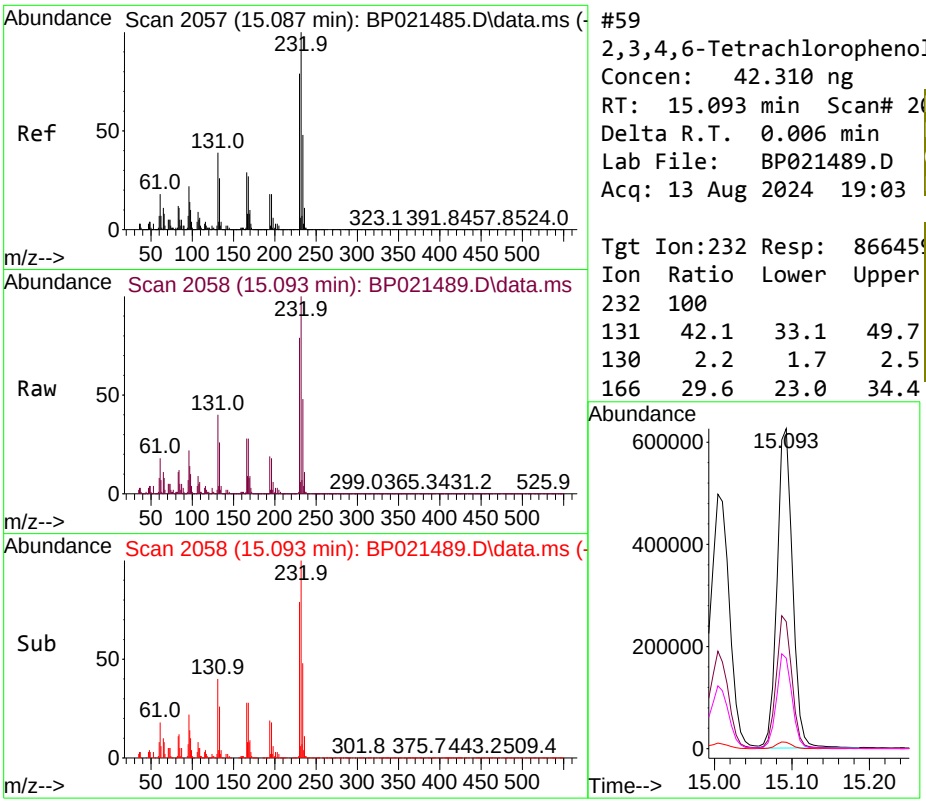


#58
Fluorene
Concen: 38.055 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:166 Resp: 3409197

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.1	117.1
167	13.5	11.0	16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.310 ng
RT: 15.093 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

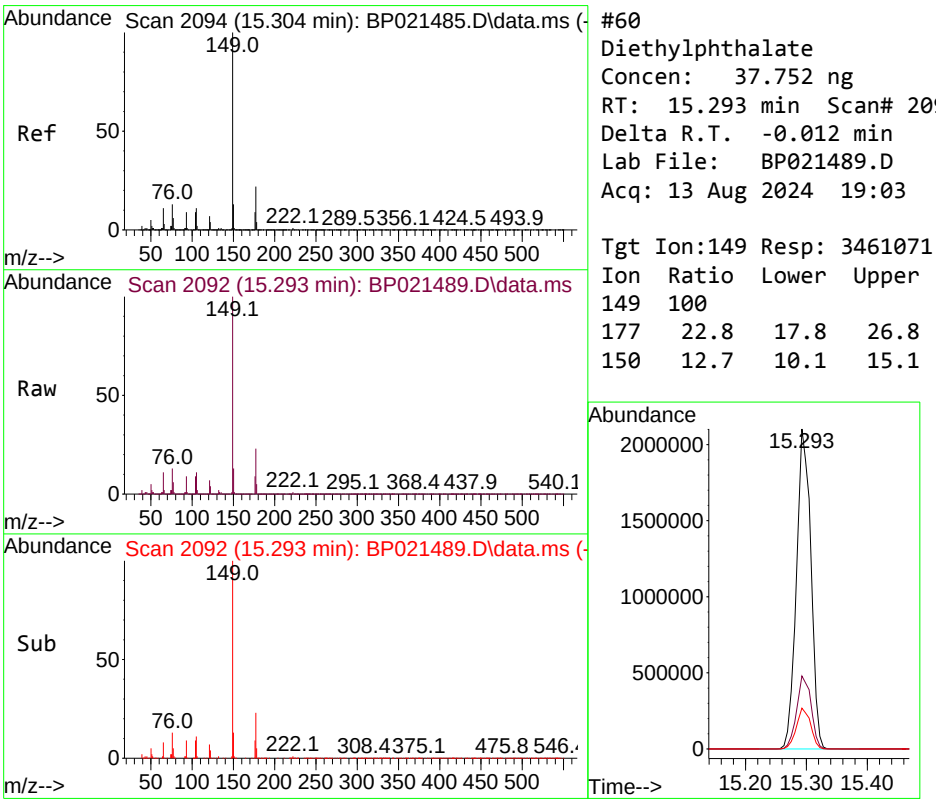
Tgt Ion:232 Resp: 86645

Ion	Ratio	Lower	Upper
232	100		
131	42.1	33.1	49.7
130	2.2	1.7	2.5
166	29.6	23.0	34.4

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

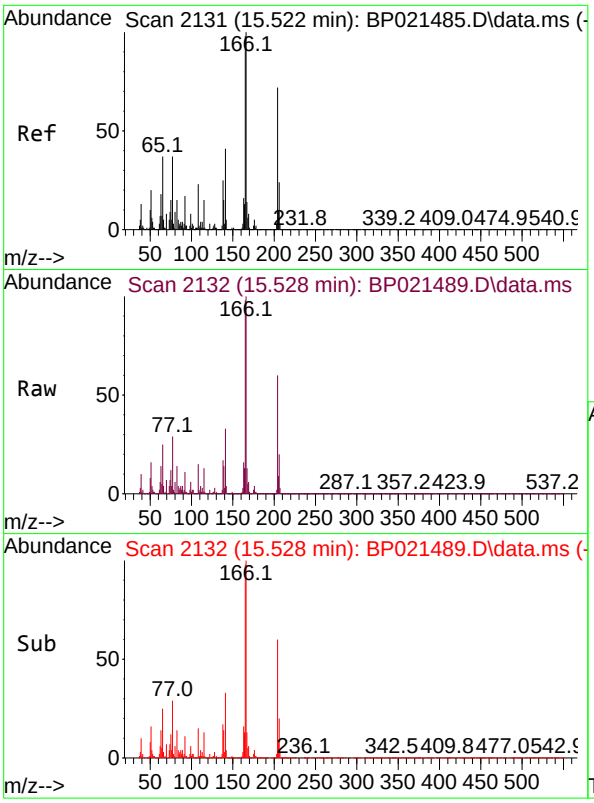
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#60
Diethylphthalate
Concen: 37.752 ng
RT: 15.293 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 3461071

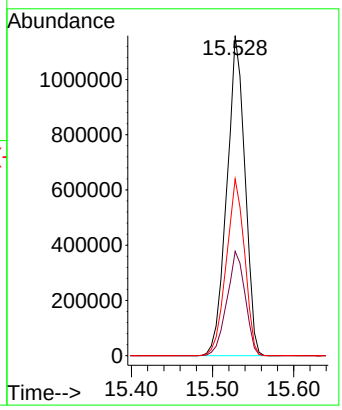
Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.8	26.8
150	12.7	10.1	15.1



#61
4-Chlorophenyl-phenylether
Concen: 38.777 ng
RT: 15.528 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:204 Resp: 179566

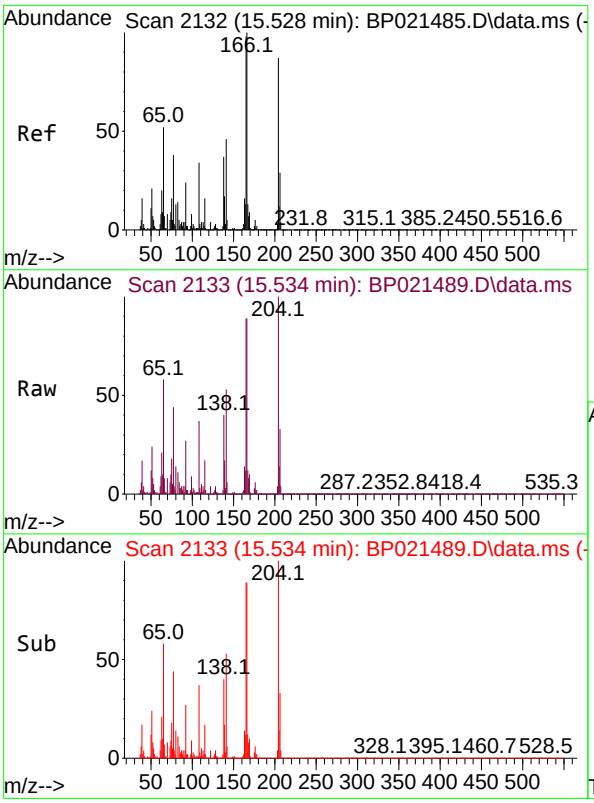
Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.4	39.6
141	55.3	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

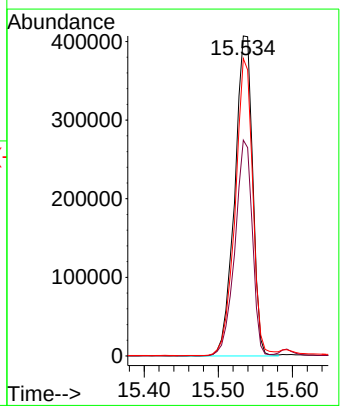
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

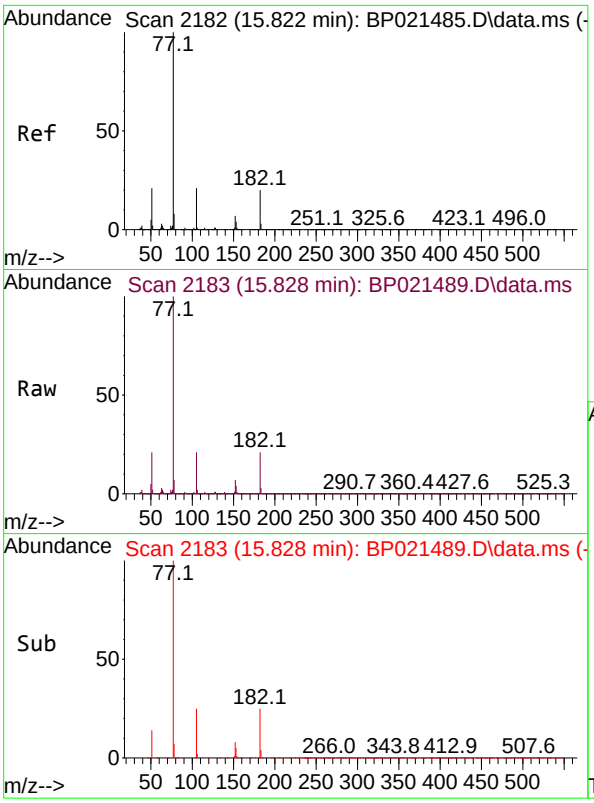


#62
4-Nitroaniline
Concen: 38.254 ng
RT: 15.534 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:138 Resp: 685273

Ion	Ratio	Lower	Upper
138	100		
92	67.4	46.4	86.4
108	93.0	73.2	113.2

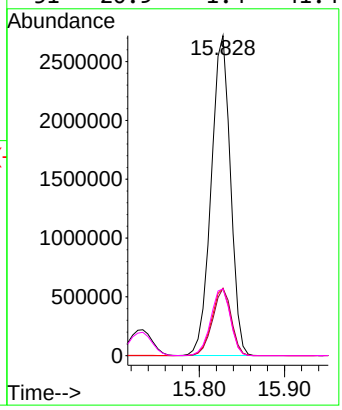




#63
Azobenzene
Concen: 37.833 ng
RT: 15.828 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion: 77 Resp: 426359

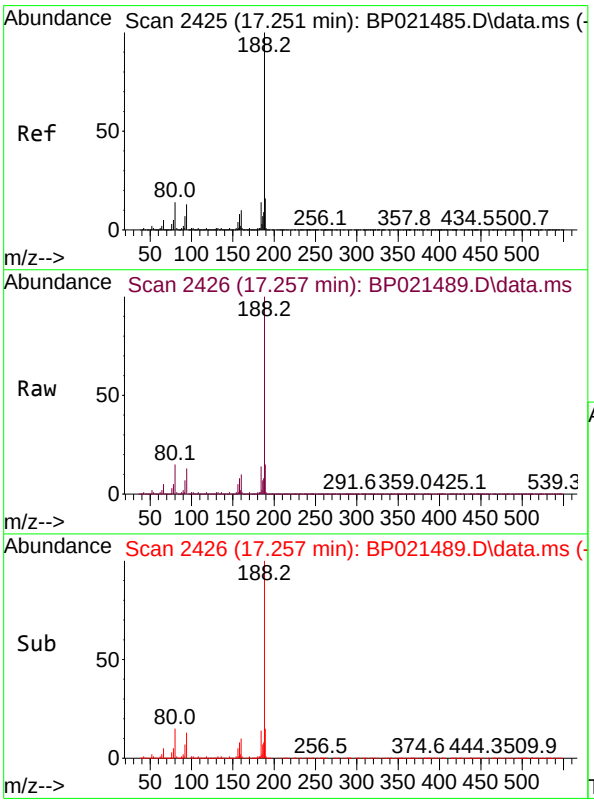
Ion	Ratio	Lower	Upper
77	100		
182	21.0	0.0	39.9
105	21.0	0.9	40.9
51	20.9	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

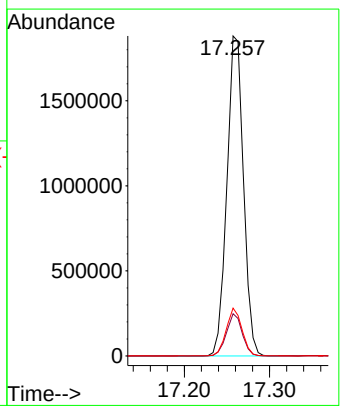
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

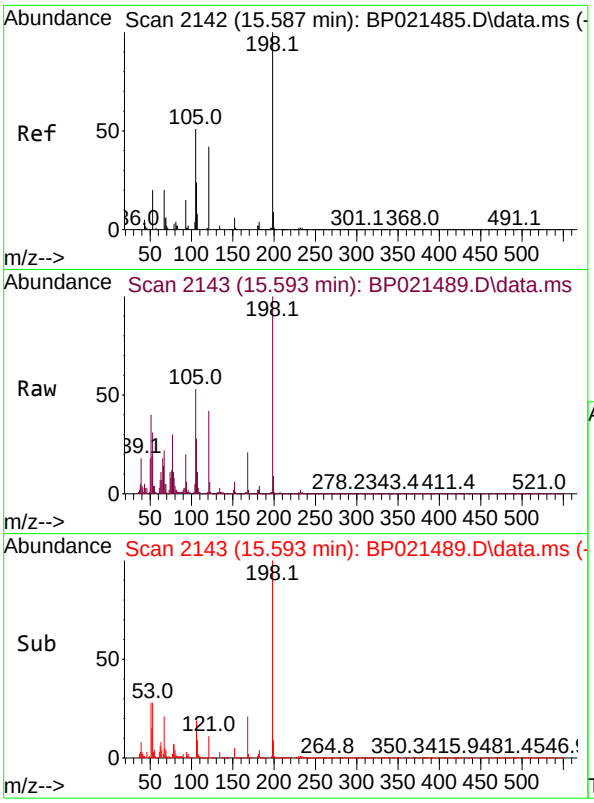


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:188 Resp: 2538103

Ion	Ratio	Lower	Upper
188	100		
94	13.2	10.2	15.4
80	15.0	11.6	17.4





#65
4,6-Dinitro-2-methylphenol
Concen: 46.281 ng
RT: 15.593 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

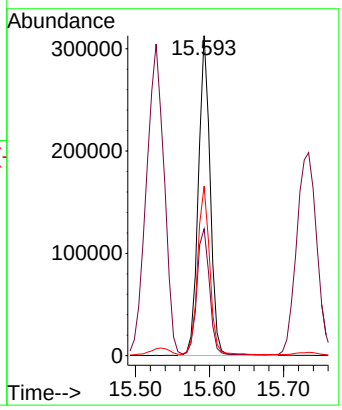
Tgt Ion:198 Resp: 34350

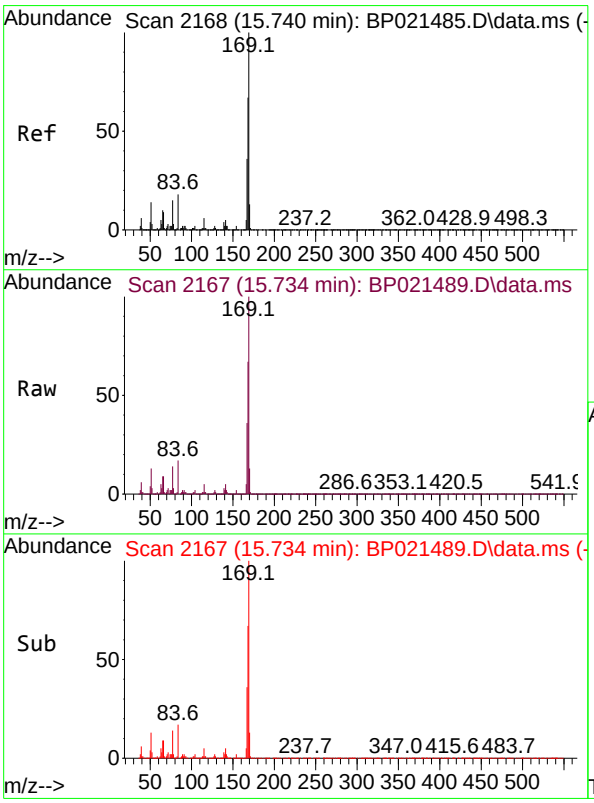
Ion	Ratio	Lower	Upper
198	100		
51	39.6	21.5	61.5
105	53.0	32.9	72.9

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

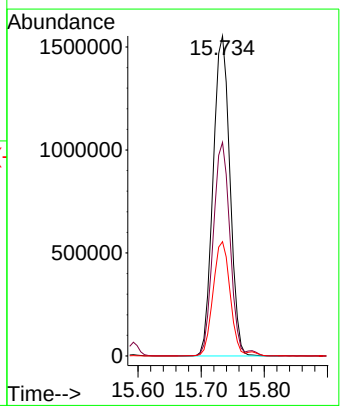


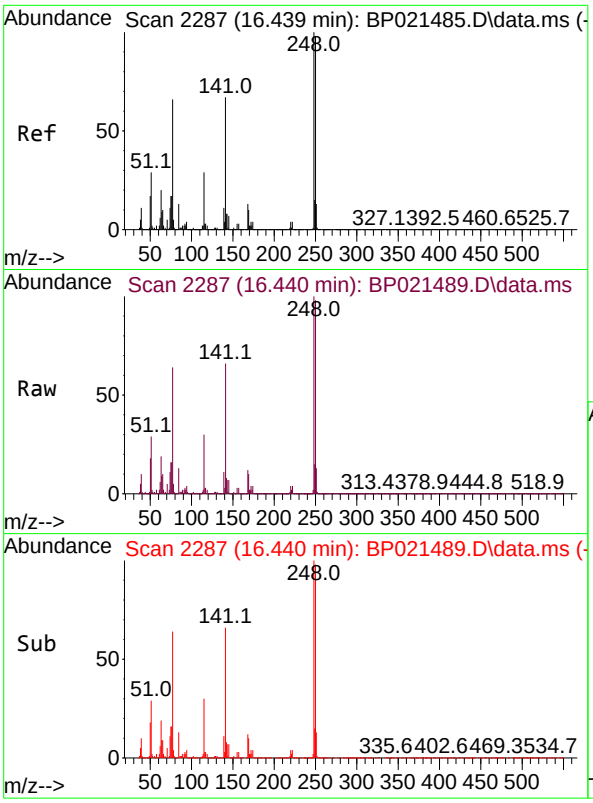


#66
n-Nitrosodiphenylamine
Concen: 42.093 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:169 Resp: 2863059

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	35.7	28.7	43.1





#67
4-Bromophenyl-phenylether
Concen: 42.289 ng
RT: 16.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

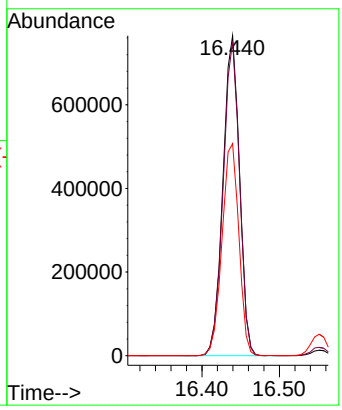
Tgt Ion:248 Resp: 113596

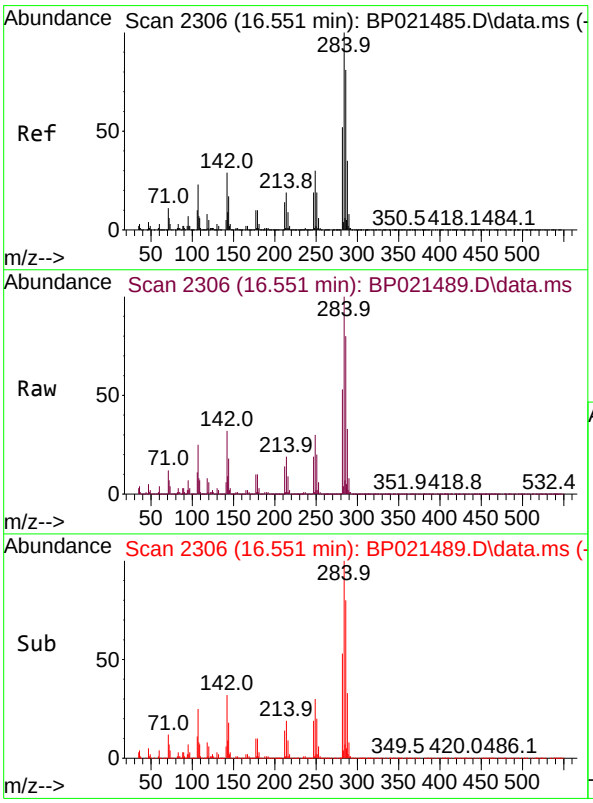
Ion	Ratio	Lower	Upper
248	100		
250	98.2	78.6	117.8
141	66.3	53.9	80.9

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

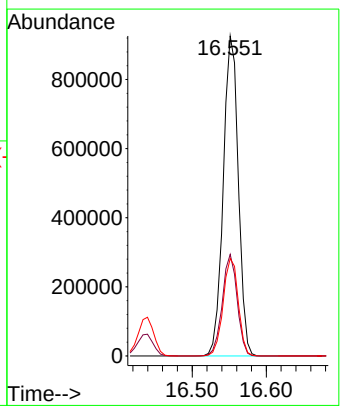


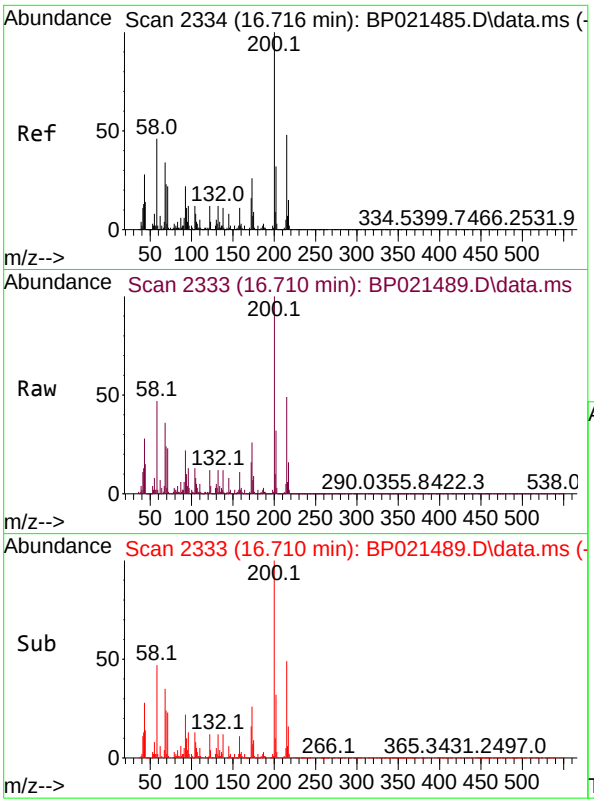


#68
Hexachlorobenzene
Concen: 41.161 ng
RT: 16.551 min Scan# 2306
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:284 Resp: 1306627

Ion	Ratio	Lower	Upper
284	100		
142	31.8	23.4	35.2
249	30.4	24.1	36.1

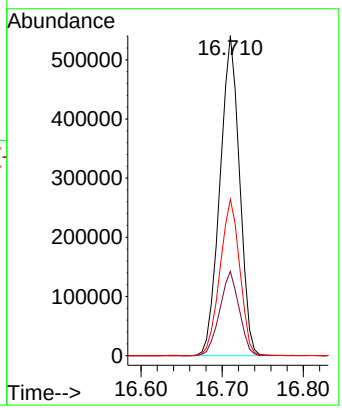




#69
Atrazine
Concen: 38.851 ng
RT: 16.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:200 Resp: 90726

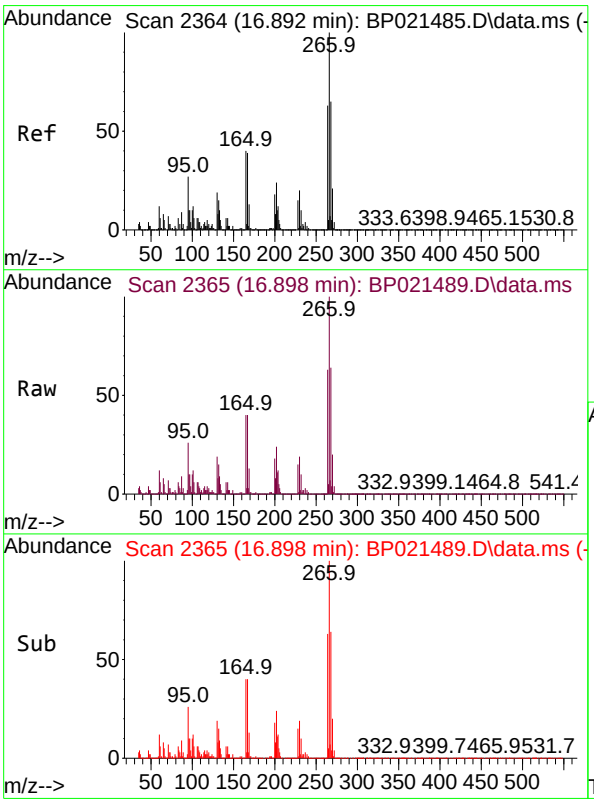
Ion	Ratio	Lower	Upper
200	100		
173	26.3	6.2	46.2
215	48.9	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

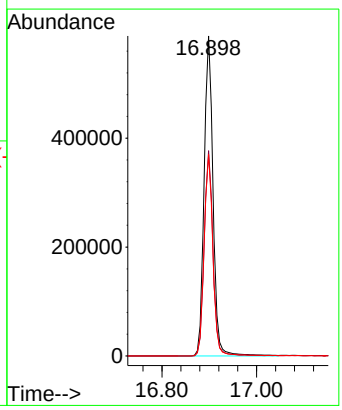
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

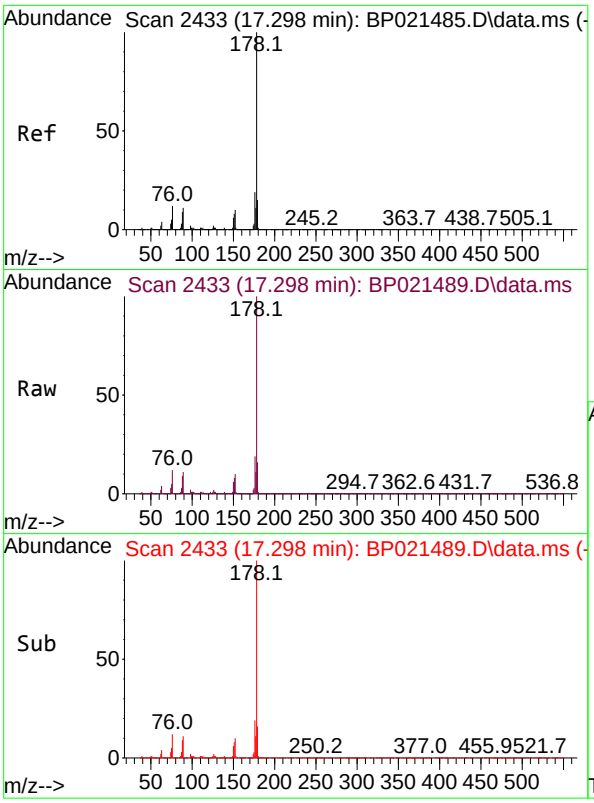


#70
Pentachlorophenol
Concen: 44.446 ng
RT: 16.898 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:266 Resp: 770079

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.8	77.6
264	63.0	50.5	75.7

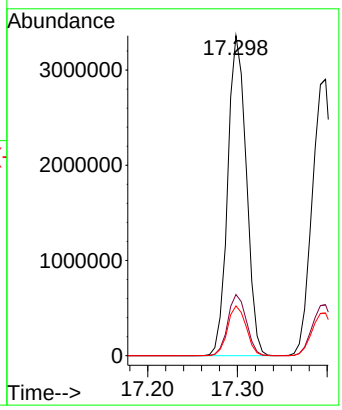




#71
Phenanthrene
Concen: 39.541 ng
RT: 17.298 min Scan# 24
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:178 Resp: 482648

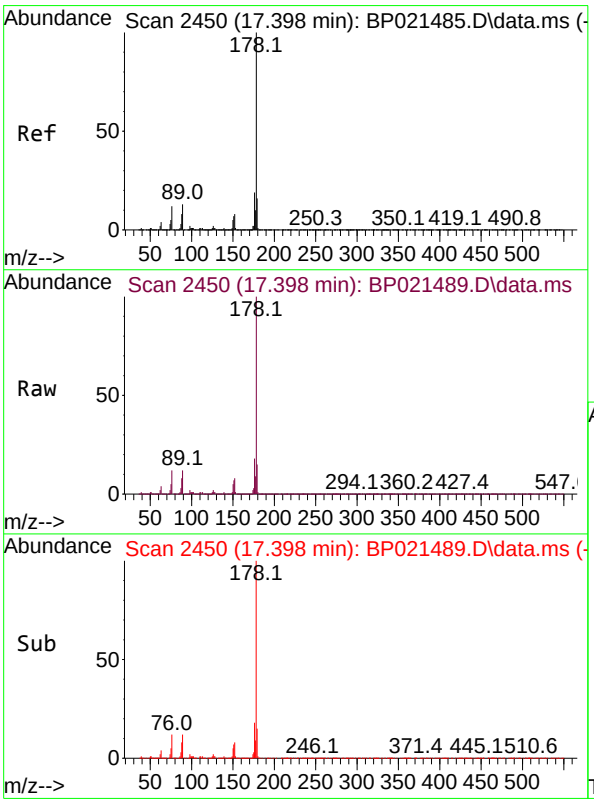
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.6	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

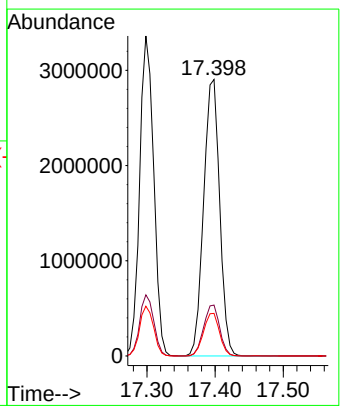
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

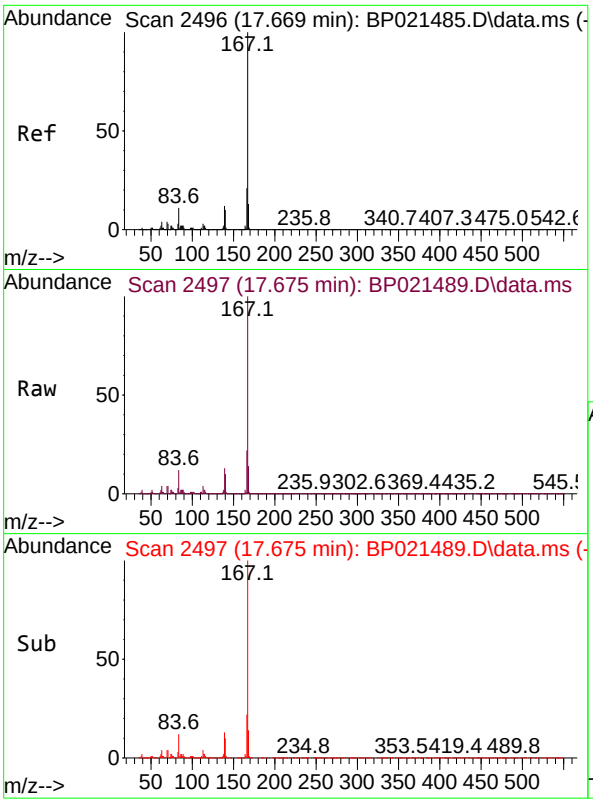


#72
Anthracene
Concen: 39.639 ng
RT: 17.398 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:178 Resp: 4745227

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.9	22.3
179	15.4	12.5	18.7

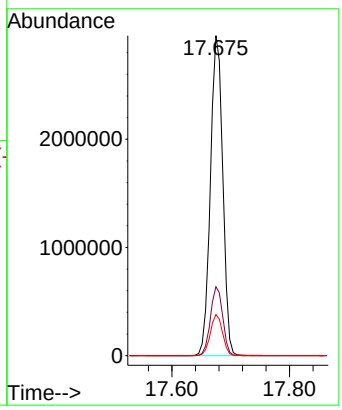




#73
Carbazole
Concen: 37.457 ng
RT: 17.675 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:167 Resp: 432124

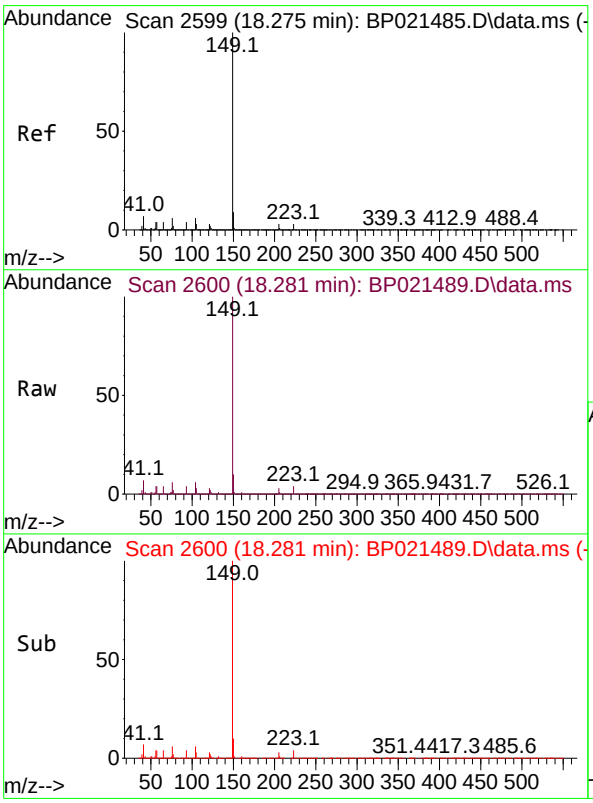
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	12.8	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

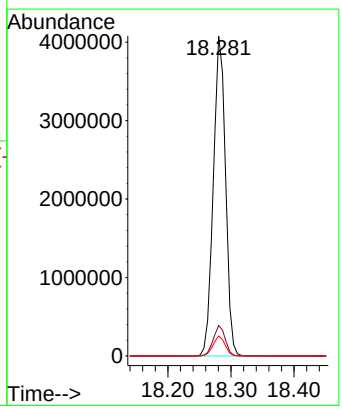
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

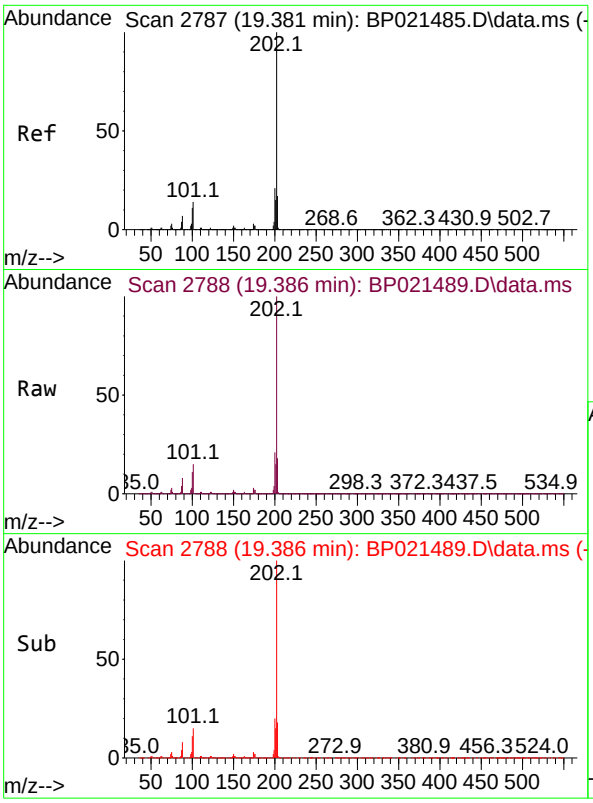


#74
Di-n-butylphthalate
Concen: 38.509 ng
RT: 18.281 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 5456093

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	6.2	4.9	7.3

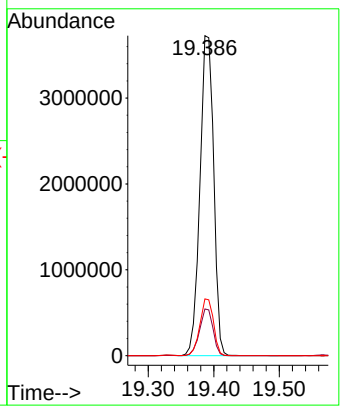




#75
Fluoranthene
Concen: 36.288 ng
RT: 19.386 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:202 Resp: 543487

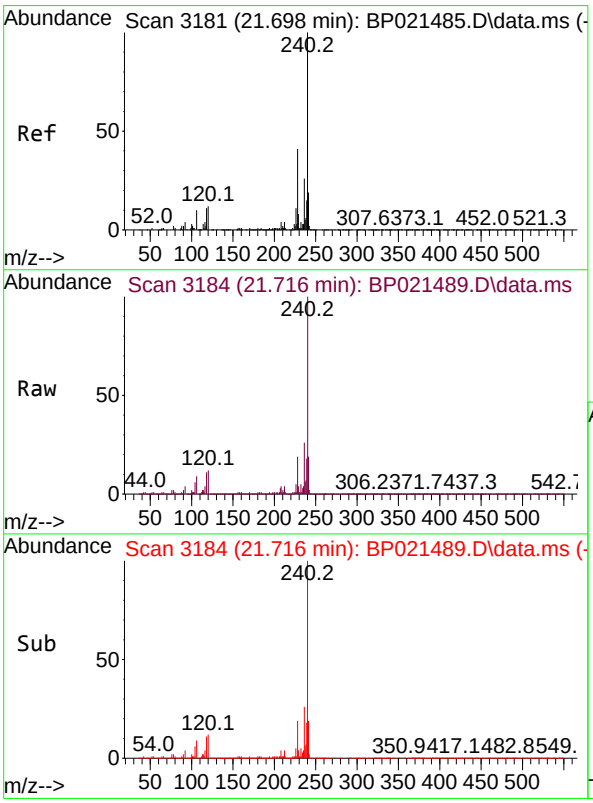
Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.0
203	17.7	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

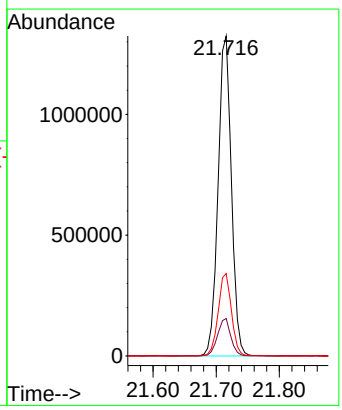
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

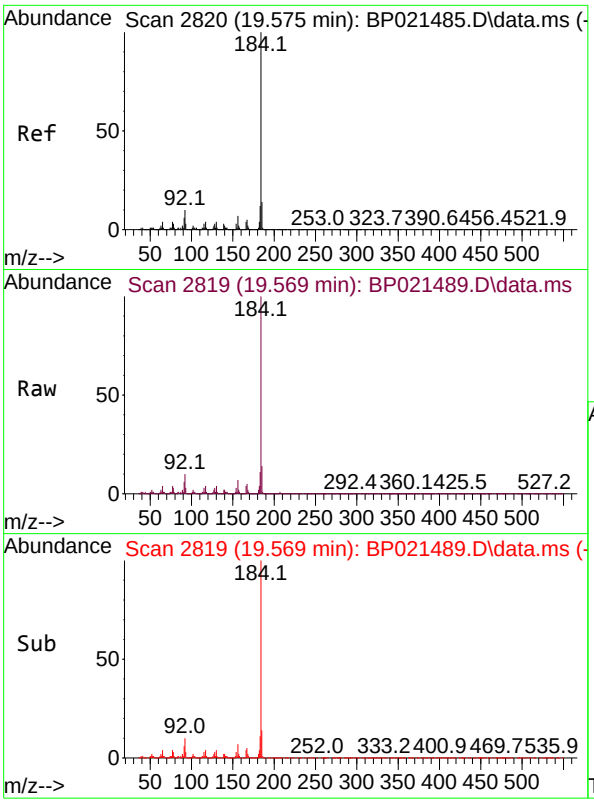


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.716 min Scan# 3184
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:240 Resp: 1932921

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.9	14.9
236	25.8	20.6	30.8

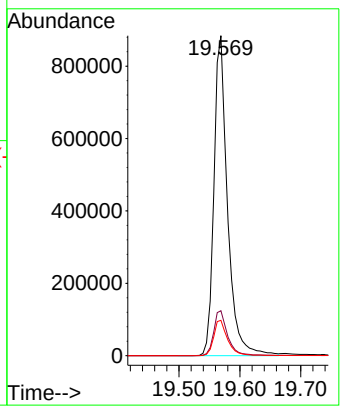




#77
Benzidine
Concen: 30.320 ng
RT: 19.569 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:184 Resp: 136755

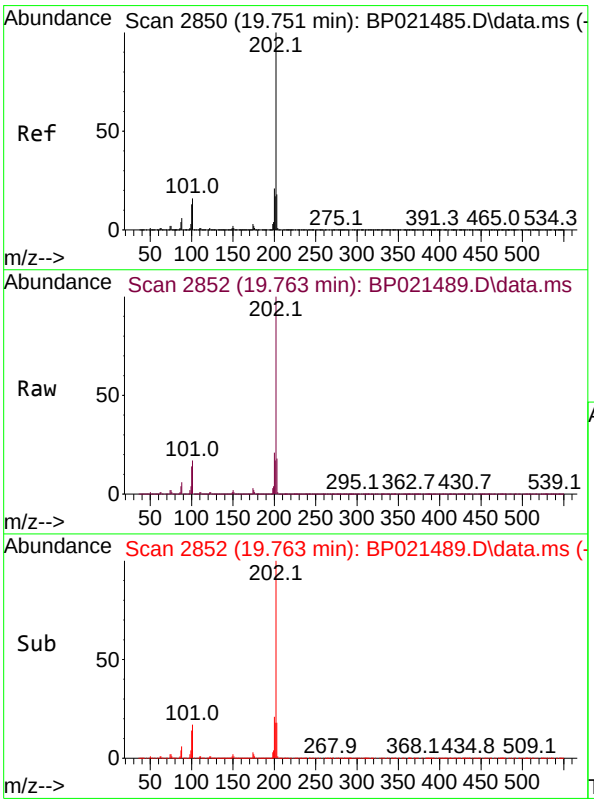
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.1	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

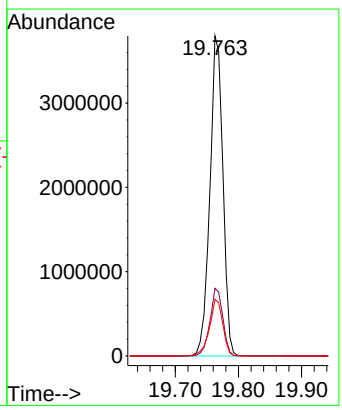
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

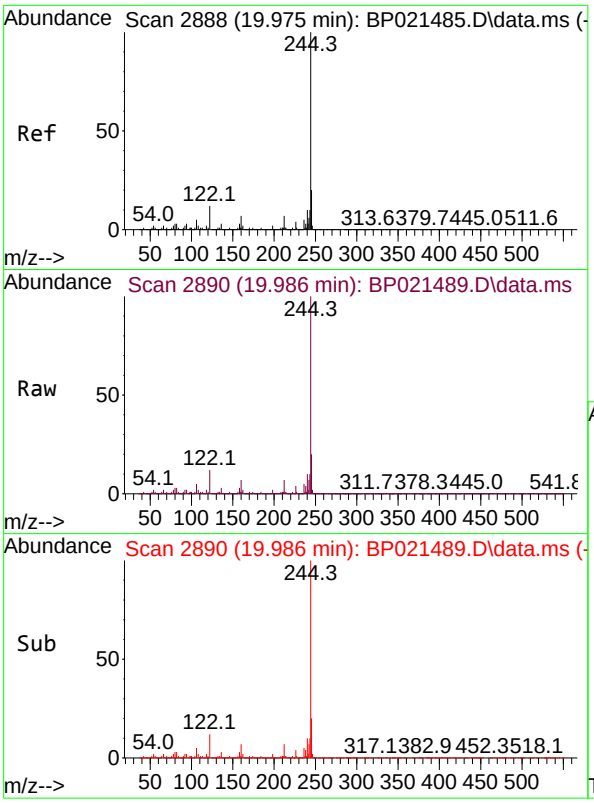


#78
Pyrene
Concen: 43.044 ng
RT: 19.763 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:202 Resp: 5438173

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.7	25.1
203	17.7	14.1	21.1

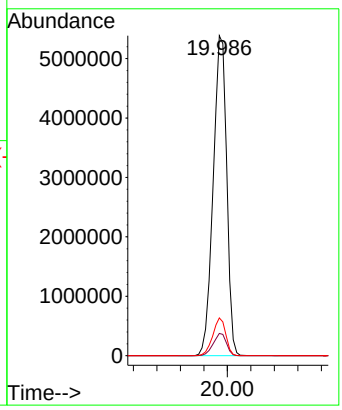




#79
Terphenyl-d14
Concen: 86.216 ng
RT: 19.986 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:244 Resp: 857810

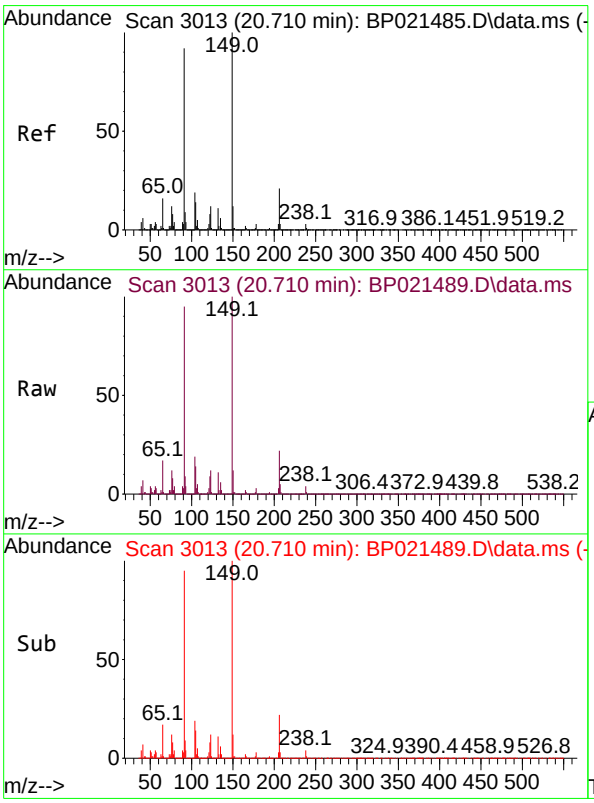
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

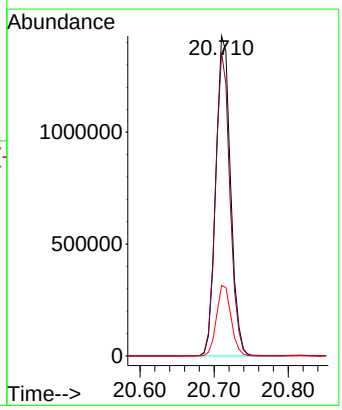
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

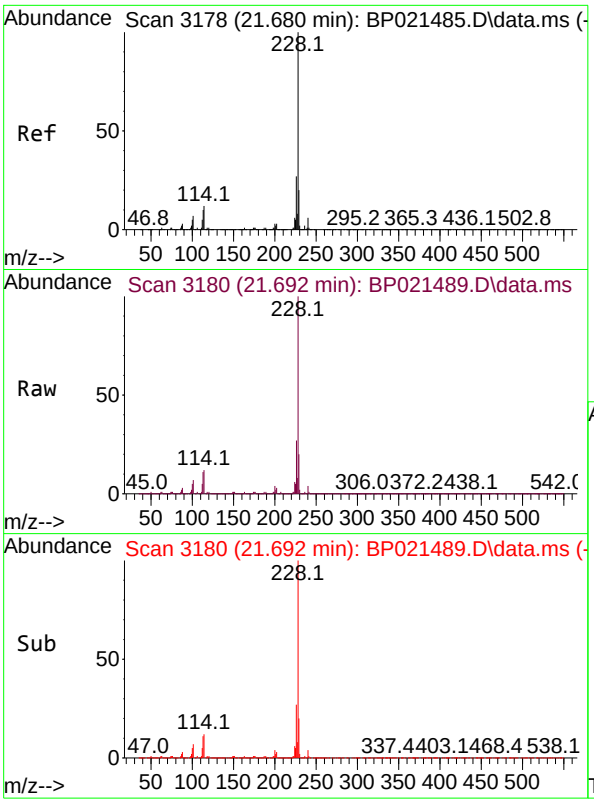


#80
Butylbenzylphthalate
Concen: 41.647 ng
RT: 20.710 min Scan# 3013
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 1972270

Ion	Ratio	Lower	Upper
149	100		
91	94.9	73.3	109.9
206	22.0	17.1	25.7

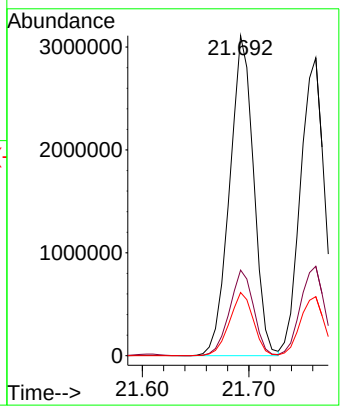




#81
Benzo(a)anthracene
Concen: 40.172 ng
RT: 21.692 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:228 Resp: 487449

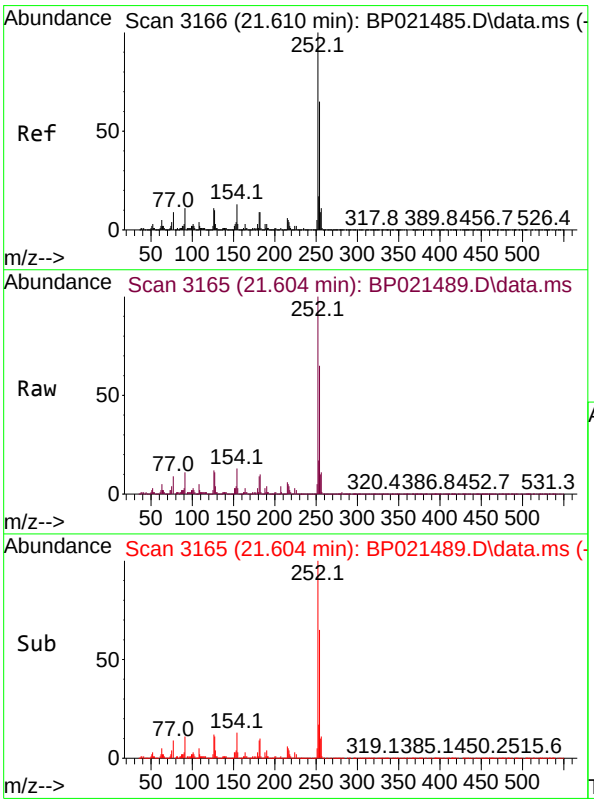
Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.2
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

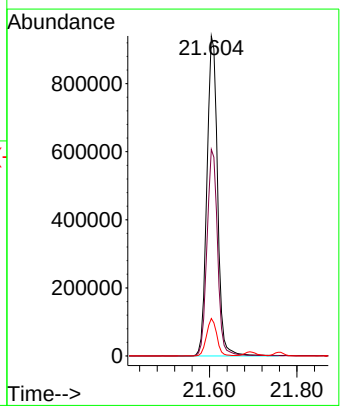
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

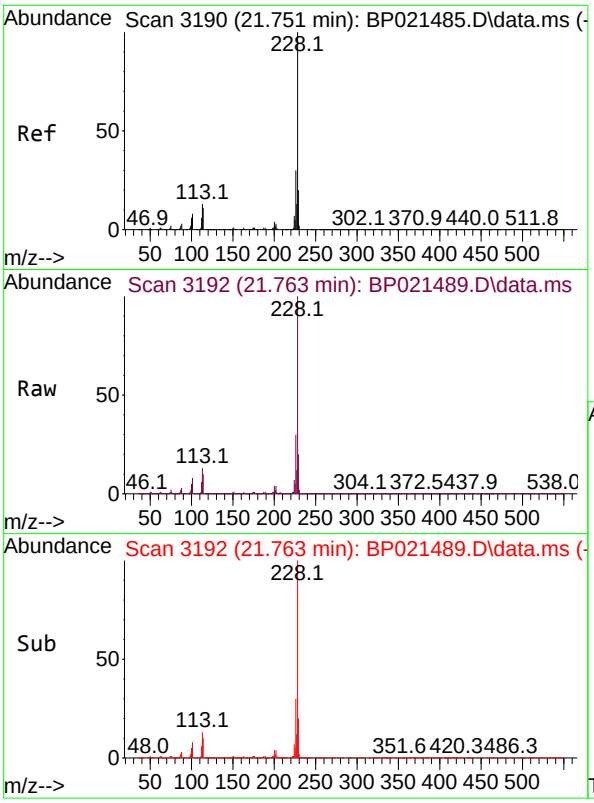


#82
3,3'-Dichlorobenzidine
Concen: 40.936 ng
RT: 21.604 min Scan# 3165
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:252 Resp: 1592617

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.7	8.7	13.1

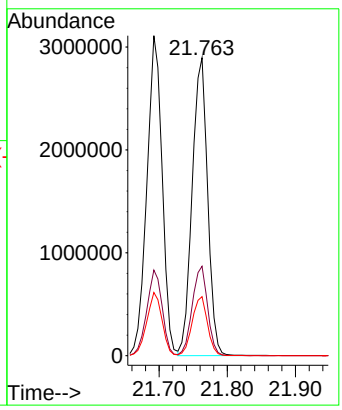




#83
Chrysene
Concen: 39.759 ng
RT: 21.763 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:228 Resp: 455488

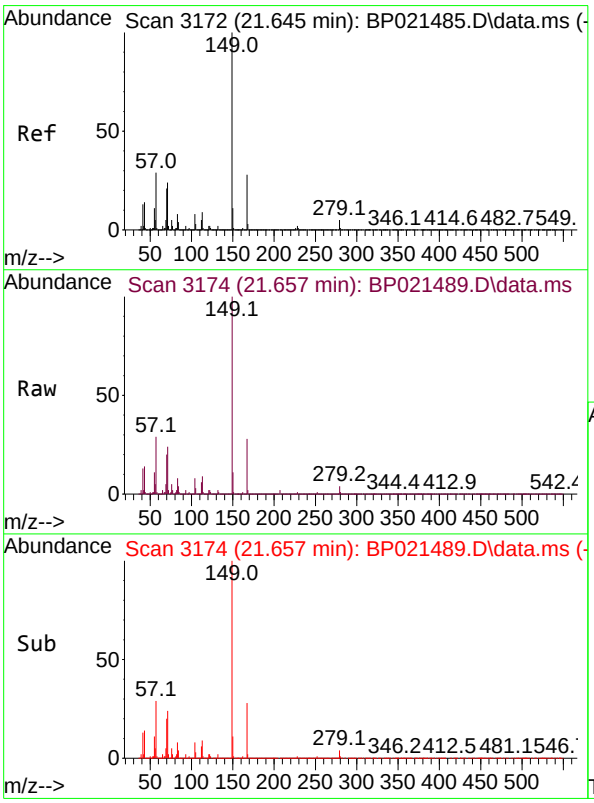
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	19.8	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

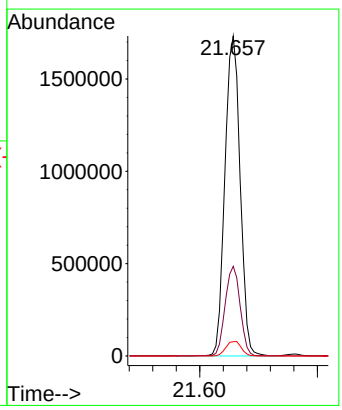
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

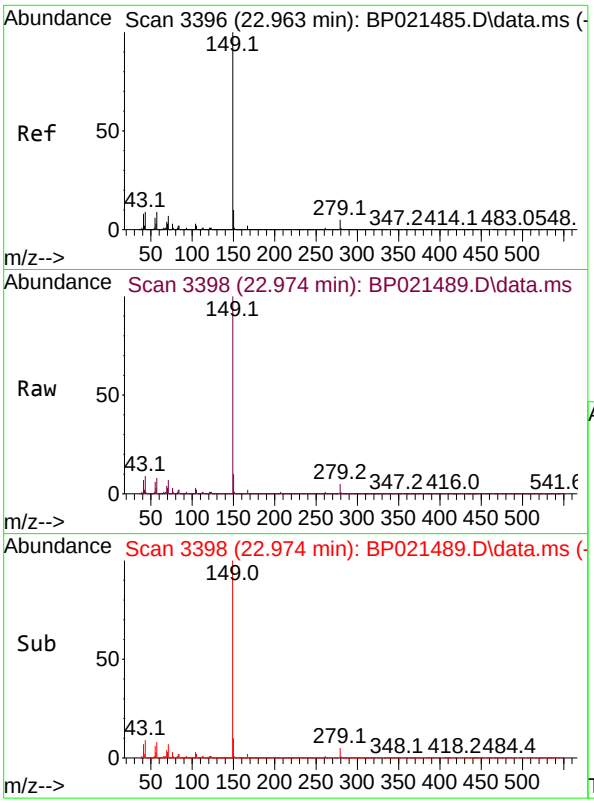


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.381 ng
RT: 21.657 min Scan# 3174
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 3111178

Ion	Ratio	Lower	Upper
149	100		
167	28.0	22.3	33.5
279	4.5	3.8	5.6

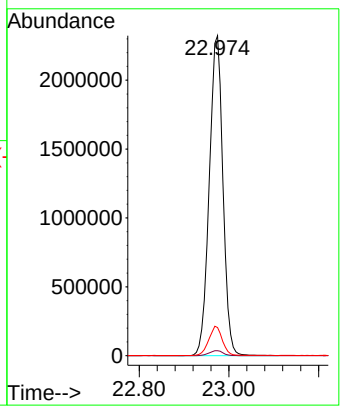




#85
Di-n-octyl phthalate
Concen: 39.871 ng
RT: 22.974 min Scan# 3
Delta R.T. 0.011 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:149 Resp: 490825

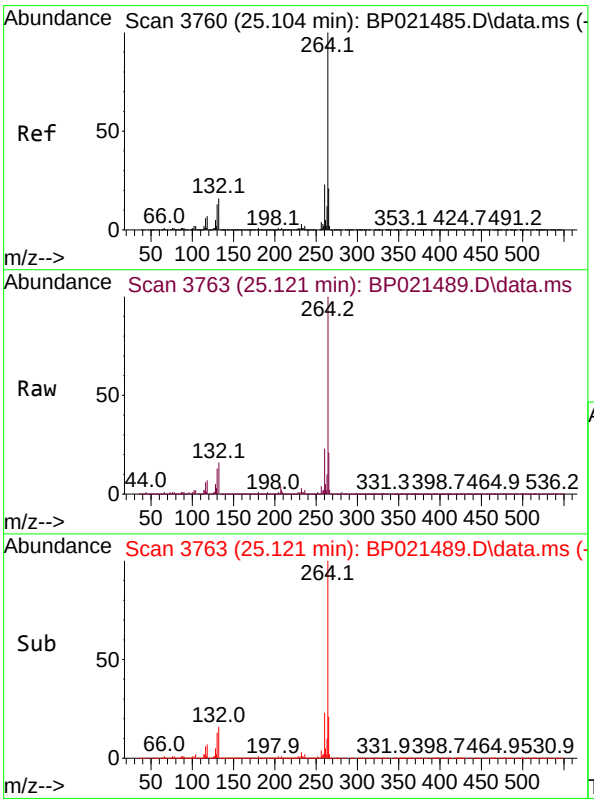
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.1	7.3	10.9



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

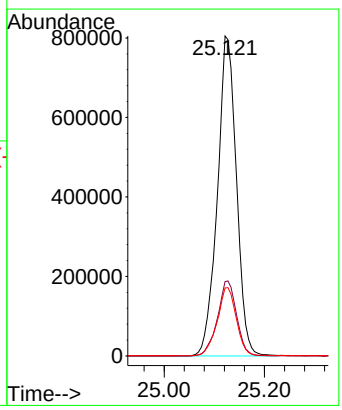
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

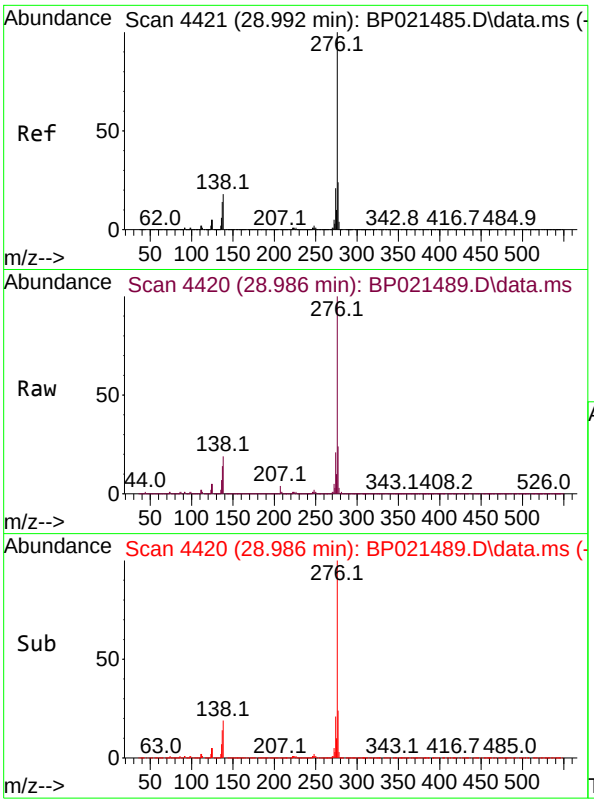


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.121 min Scan# 3763
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:264 Resp: 2127555

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.3	17.1	25.7

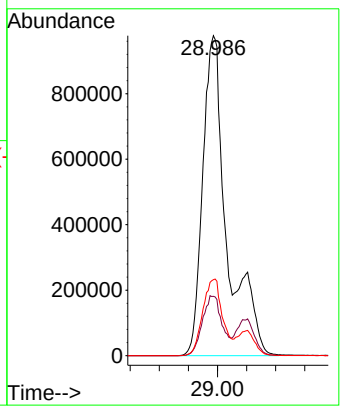




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.105 ng m
RT: 28.986 min Scan# 44
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:276 Resp: 566884

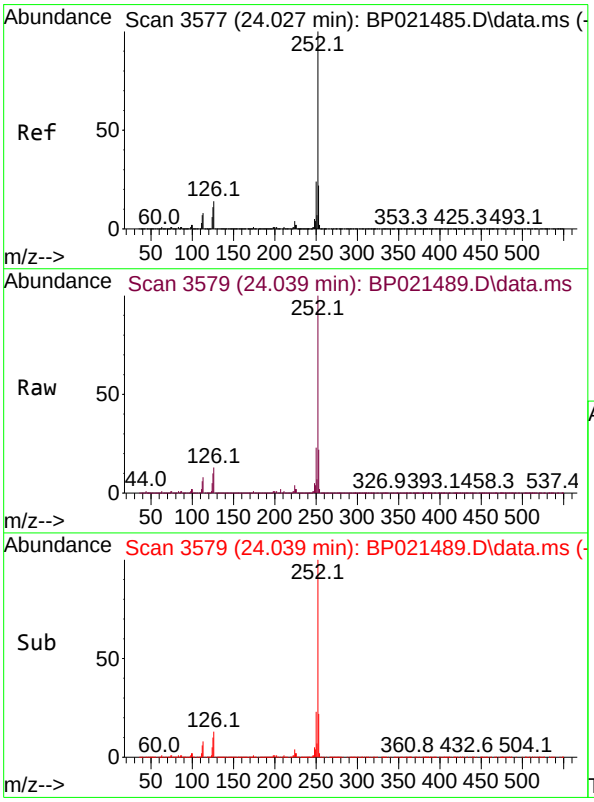
Ion	Ratio	Lower	Upper
276	100		
138	15.6	12.8	19.2
277	19.5	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

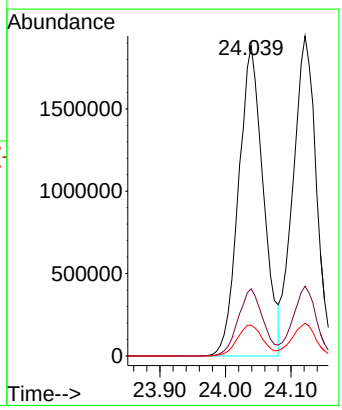
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

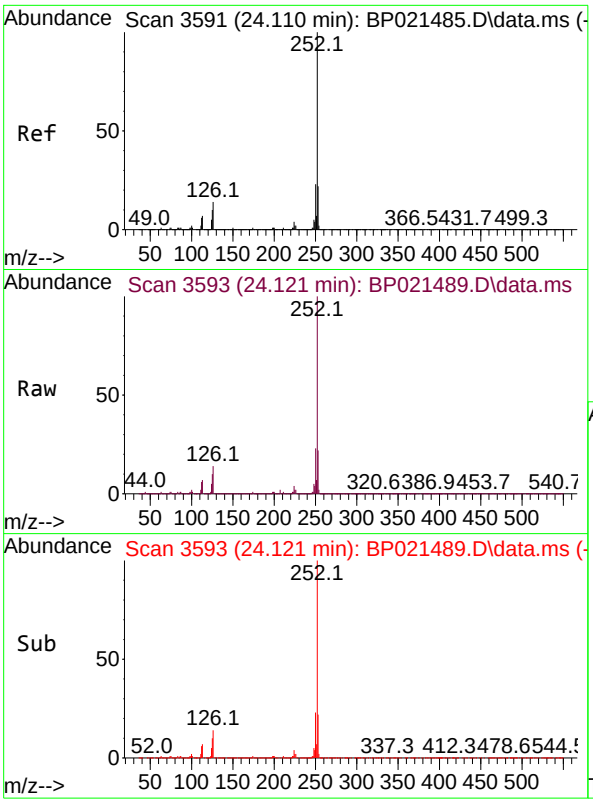


#88
Benzo(b)fluoranthene
Concen: 40.381 ng
RT: 24.039 min Scan# 3579
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:252 Resp: 4934155

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	9.9	8.6	13.0

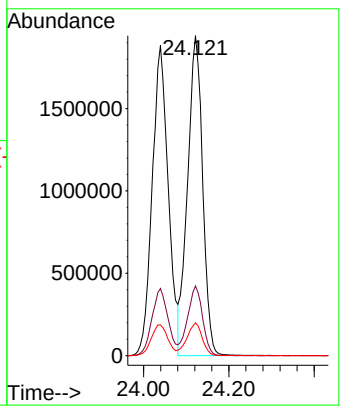




#89
Benzo(k)fluoranthene
Concen: 39.984 ng
RT: 24.121 min Scan# 3
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:252 Resp: 476594

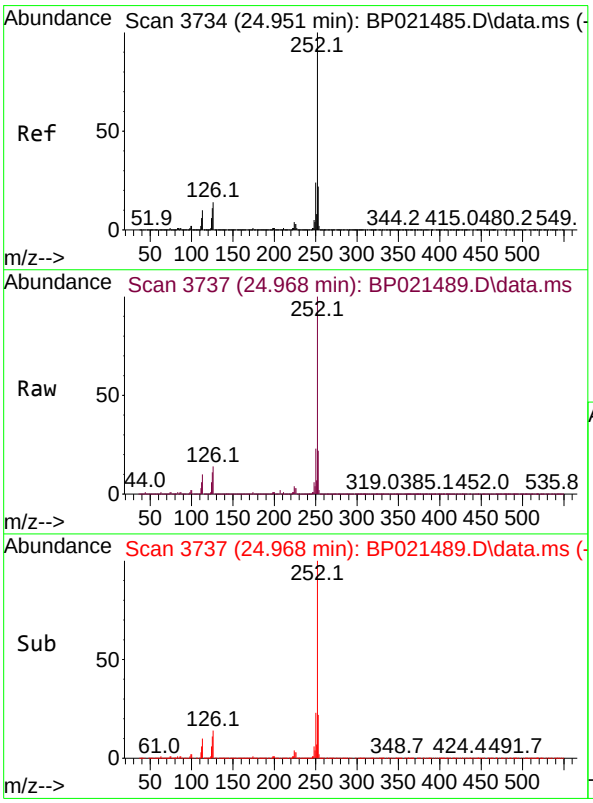
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.2	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations APPROVED

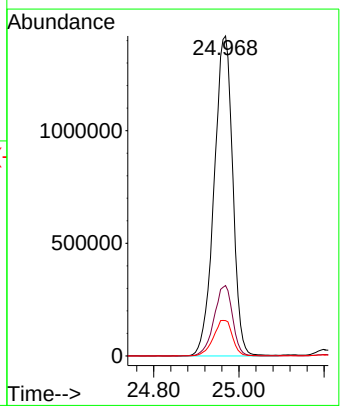
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

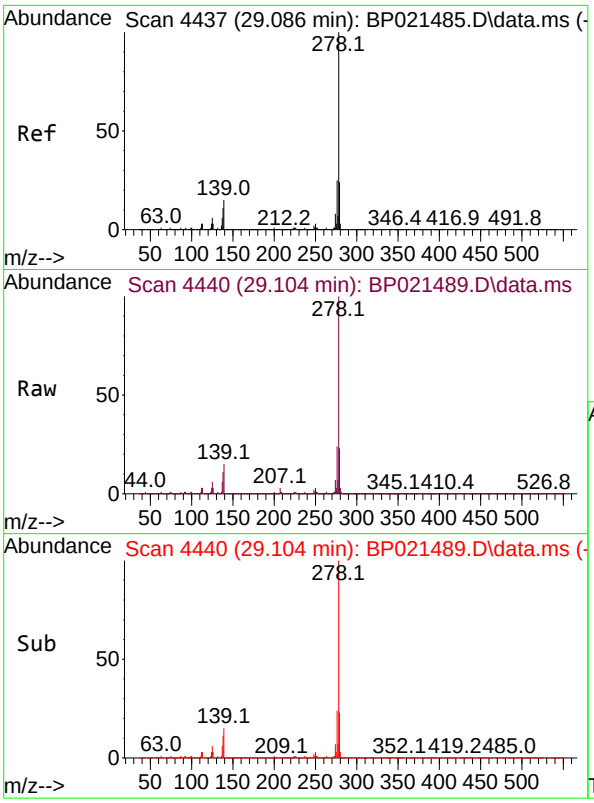


#90
Benzo(a)pyrene
Concen: 40.657 ng
RT: 24.968 min Scan# 3737
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:252 Resp: 4311183

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.1	8.7	13.1

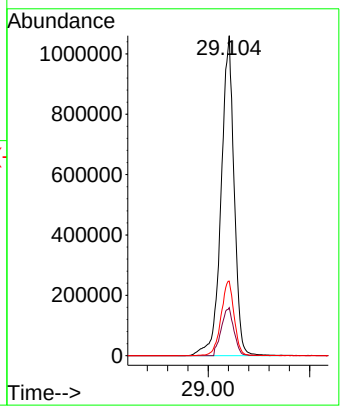




#91
Dibenzo(a,h)anthracene
Concen: 41.172 ng
RT: 29.104 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:278 Resp: 471781

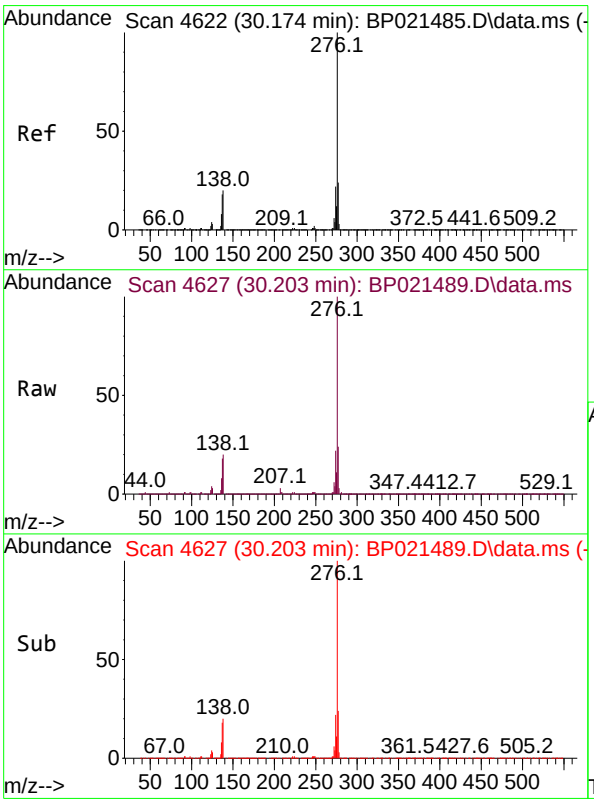
Ion	Ratio	Lower	Upper
278	100		
139	15.0	12.2	18.4
279	23.3	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations
APPROVED

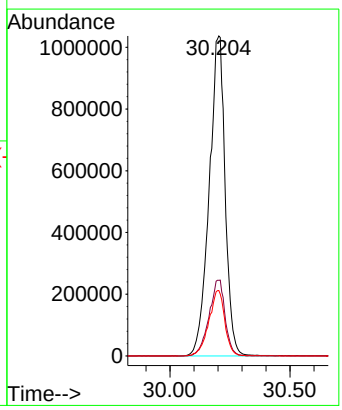
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#92
Benzo(g,h,i)perylene
Concen: 41.532 ng
RT: 30.203 min Scan# 4627
Delta R.T. 0.029 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Tgt Ion:276 Resp: 4769954

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	20.4	16.0	24.0



Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	132	0.00
2		1,4-Dioxane	0.639	0.606	5.2	125	0.00
3		Pyridine	1.783	1.803	-1.1	133	0.00
4		n-Nitrosodimethylamine	0.536	0.539	-0.6	134	0.00
5	S	2-Fluorophenol	1.347	1.361	-1.0	134	0.00
6		Aniline	1.964	2.043	-4.0	137	0.00
7	S	Phenol-d6	1.965	2.109	-7.3	141	0.00
8		2-Chlorophenol	1.245	1.316	-5.7	140	0.00
9		Benzaldehyde	1.258	1.272	-1.1	141	0.00
10	C	Phenol	2.035	2.167	-6.5	140	0.00
11		bis(2-Chloroethyl)ether	1.722	1.788	-3.8	139	0.00
12		1,3-Dichlorobenzene	1.479	1.466	0.9	134	0.00
13	C	1,4-Dichlorobenzene	1.493	1.477	1.1	133	0.00
14		1,2-Dichlorobenzene	1.439	1.434	0.3	135	0.00
15		Benzyl Alcohol	1.410	1.567	-11.1	147	0.00
16		2,2'-oxybis(1-Chloropropane	1.585	1.660	-4.7	142	0.00
17		2-Methylphenol	1.286	1.405	-9.3	144	0.00
18		Hexachloroethane	0.599	0.610	-1.8	136	0.00
19	P	n-Nitroso-di-n-propylamine	1.357	1.469	-8.3	145	0.00
20		3+4-Methylphenols	1.734	1.945	-12.2	147	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	145	0.00
22		Acetophenone	0.614	0.613	0.2	145	0.00
23	S	Nitrobenzene-d5	0.387	0.433	-11.9	153#	0.00
24		Nitrobenzene	0.421	0.455	-8.1	149	0.00
25		Isophorone	0.915	0.931	-1.7	148	0.00
26	C	2-Nitrophenol	0.086	0.125	-45.3#	193#	0.00
27		2,4-Dimethylphenol	0.226	0.233	-3.1	150	0.00
28		bis(2-Chloroethoxy)methane	0.559	0.565	-1.1	149	0.00
29	C	2,4-Dichlorophenol	0.267	0.290	-8.6	154#	0.00
30		1,2,4-Trichlorobenzene	0.342	0.335	2.0	143	0.00
31		Naphthalene	1.045	1.035	1.0	144	0.00
32		Benzoic acid	0.137	0.187	-36.5#	210#	0.02
33		4-Chloroaniline	0.392	0.399	-1.8	146	0.00
34	C	Hexachlorobutadiene	0.215	0.211	1.9	142	0.00
35		Caprolactam	0.111	0.116	-4.5	148	0.00
36	C	4-Chloro-3-methylphenol	0.370	0.398	-7.6	151#	0.00
37		2-Methylnaphthalene	0.713	0.720	-1.0	148	0.00
38		1-Methylnaphthalene	0.703	0.706	-0.4	147	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	150	0.00
40		1,2,4,5-Tetrachlorobenzene	0.586	0.590	-0.7	149	0.01
41	P	Hexachlorocyclopentadiene	0.186	0.201	-8.1	157#	0.00
42	S	2,4,6-Tribromophenol	0.223	0.232	-4.0	147	0.00
43	C	2,4,6-Trichlorophenol	0.326	0.360	-10.4	158#	0.00
44		2,4,5-Trichlorophenol	0.362	0.401	-10.8	157#	0.00
45	S	2-Fluorobiphenyl	1.310	1.288	1.7	146	0.00
46		1,1'-Biphenyl	1.415	1.399	1.1	147	0.00
47		2-Chloronaphthalene	1.102	1.093	0.8	147	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	0.256	0.328	-28.1#	172#	0.00
49		Acenaphthylene	1.619	1.600	1.2	146	0.01
50		Dimethylphthalate	1.339	1.310	2.2	145	0.00
51		2,6-Dinitrotoluene	0.232	0.276	-19.0	162#	0.00
52	C	Acenaphthene	1.063	1.046	1.6	146	0.00
53		3-Nitroaniline	0.228	0.264	-15.8	156#	0.00
54	P	2,4-Dinitrophenol	0.069	0.081	-17.4	184#	0.00
55		Dibenzofuran	1.635	1.575	3.7	143	0.00
56	P	4-Nitrophenol	0.195	0.205	-5.1	152#	-0.01
57		2,4-Dinitrotoluene	0.284	0.344	-21.1	161#	0.00
58		Fluorene	1.343	1.278	4.8	141	0.00
59		2,3,4,6-Tetrachlorophenol	0.307	0.325	-5.9	148	0.00
60		Diethylphthalate	1.374	1.297	5.6	139	-0.01
61		4-Chlorophenyl-phenylether	0.694	0.673	3.0	145	0.00
62		4-Nitroaniline	0.241	0.257	-6.6	141	0.00
63		Azobenzene	1.689	1.598	5.4	140	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	133	0.00
65		4,6-Dinitro-2-methylphenol	0.054	0.068	-25.9#	172#	0.00
66	c	n-Nitrosodiphenylamine	0.536	0.564	-5.2	140	0.00
67		4-Bromophenyl-phenylether	0.212	0.224	-5.7	144	0.00
68		Hexachlorobenzene	0.250	0.257	-2.8	136	0.00
69		Atrazine	0.184	0.179	2.7	125	0.00
70	C	Pentachlorophenol	0.137	0.152	-10.9	148	0.00
71		Phenanthrene	0.962	0.951	1.1	131	0.00
72		Anthracene	0.943	0.935	0.8	131	0.00
73		Carbazole	0.909	0.851	6.4	122	0.00
74		Di-n-butylphthalate	1.116	1.075	3.7	125	0.00
75	C	Fluoranthene	1.180	1.071	9.2	119	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	106	0.02
77		Benzidine	0.420	0.354	15.7	79	0.00
78		Pyrene	1.307	1.407	-7.7	116	0.01
79	S	Terphenyl-d14	1.029	1.109	-7.8	117	0.01
80		Butylbenzylphthalate	0.437	0.510	-16.7	115	0.00
81		Benzo(a)anthracene	1.256	1.261	-0.4	106	0.01
82		3,3'-Dichlorobenzidine	0.403	0.412	-2.2	102	0.00
83		Chrysene	1.185	1.178	0.6	105	0.01
84		Bis(2-ethylhexyl)phthalate	0.742	0.805	-8.5	109	0.01
85	c	Di-n-octyl phthalate	1.199	1.270	-5.9	108	0.01
86	I	Perylene-d12	1.000	1.000	0.0	102	0.02
87		Indeno(1,2,3-cd)pyrene	1.296	1.332	-2.8	102	0.00
88		Benzo(b)fluoranthene	1.149	1.160	-1.0	102	0.01
89		Benzo(k)fluoranthene	1.121	1.120	0.1	100	0.01
90	C	Benzo(a)pyrene	0.997	1.013	-1.6	102	0.02
91		Dibenzo(a,h)anthracene	1.077	1.109	-3.0	103	0.02
92		Benzo(g,h,i)perylene	1.080	1.121	-3.8	104	0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	132	0.00
2		1,4-Dioxane	40.000	37.948	5.1	125	0.00
3		Pyridine	40.000	40.445	-1.1	133	0.00
4		n-Nitrosodimethylamine	40.000	40.233	-0.6	134	0.00
5	S	2-Fluorophenol	80.000	80.810	-1.0	134	0.00
6		Aniline	40.000	41.596	-4.0	137	0.00
7	S	Phenol-d6	80.000	85.856	-7.3	141	0.00
8		2-Chlorophenol	40.000	42.300	-5.7	140	0.00
9		Benzaldehyde	40.000	40.434	-1.1	141	0.00
10	C	Phenol	40.000	42.607	-6.5	140	0.00
11		bis(2-Chloroethyl)ether	40.000	41.543	-3.9	139	0.00
12		1,3-Dichlorobenzene	40.000	39.674	0.8	134	0.00
13	C	1,4-Dichlorobenzene	40.000	39.564	1.1	133	0.00
14		1,2-Dichlorobenzene	40.000	39.873	0.3	135	0.00
15		Benzyl Alcohol	40.000	44.472	-11.2	147	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	41.875	-4.7	142	0.00
17		2-Methylphenol	40.000	43.687	-9.2	144	0.00
18		Hexachloroethane	40.000	40.755	-1.9	136	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	43.304	-8.3	145	0.00
20		3+4-Methylphenols	40.000	44.850	-12.1	147	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	145	0.00
22		Acetophenone	40.000	39.936	0.2	145	0.00
23	S	Nitrobenzene-d5	80.000	89.361	-11.7	153	0.00
24		Nitrobenzene	40.000	43.244	-8.1	149	0.00
25		Isophorone	40.000	40.700	-1.8	148	0.00
26	C	2-Nitrophenol	40.000	47.780	-19.5	193	0.00
27		2,4-Dimethylphenol	40.000	41.179	-2.9	150	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.438	-1.1	149	0.00
29	C	2,4-Dichlorophenol	40.000	43.442	-8.6	154	0.00
30		1,2,4-Trichlorobenzene	40.000	39.146	2.1	143	0.00
31		Naphthalene	40.000	39.629	0.9	144	0.00
32		Benzoic acid	40.000	49.839	-24.6	210	0.02
33		4-Chloroaniline	40.000	40.617	-1.5	146	0.00
34	C	Hexachlorobutadiene	40.000	39.102	2.2	142	0.00
35		Caprolactam	40.000	41.786	-4.5	148	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.987	-7.5	151	0.00
37		2-Methylnaphthalene	40.000	40.412	-1.0	148	0.00
38		1-Methylnaphthalene	40.000	40.173	-0.4	147	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	150	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.261	-0.7	149	0.01
41	P	Hexachlorocyclopentadiene	40.000	43.183	-8.0	157	0.00
42	S	2,4,6-Tribromophenol	80.000	83.477	-4.3	147	0.00
43	C	2,4,6-Trichlorophenol	40.000	44.249	-10.6	158	0.00
44		2,4,5-Trichlorophenol	40.000	44.396	-11.0	157	0.00
45	S	2-Fluorobiphenyl	80.000	78.649	1.7	146	0.00
46		1,1'-Biphenyl	40.000	39.542	1.1	147	0.00
47		2-Chloronaphthalene	40.000	39.695	0.8	147	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	43.044	-7.6	172	0.00
49		Acenaphthylene	40.000	39.531	1.2	146	0.01
50		Dimethylphthalate	40.000	39.127	2.2	145	0.00
51		2,6-Dinitrotoluene	40.000	41.424	-3.6	162	0.00
52	C	Acenaphthene	40.000	39.366	1.6	146	0.00
53		3-Nitroaniline	40.000	40.483	-1.2	156	0.00
54	P	2,4-Dinitrophenol	40.000	45.065	-12.7	184	0.00
55		Dibenzofuran	40.000	38.543	3.6	143	0.00
56	P	4-Nitrophenol	40.000	39.582	1.0	152	-0.01
57		2,4-Dinitrotoluene	40.000	40.864	-2.2	161	0.00
58		Fluorene	40.000	38.055	4.9	141	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.310	-5.8	148	0.00
60		Diethylphthalate	40.000	37.752	5.6	139	-0.01
61		4-Chlorophenyl-phenylether	40.000	38.777	3.1	145	0.00
62		4-Nitroaniline	40.000	38.254	4.4	141	0.00
63		Azobenzene	40.000	37.833	5.4	140	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	133	0.00
65		4,6-Dinitro-2-methylphenol	40.000	46.281	-15.7	172	0.00
66	c	n-Nitrosodiphenylamine	40.000	42.093	-5.2	140	0.00
67		4-Bromophenyl-phenylether	40.000	42.289	-5.7	144	0.00
68		Hexachlorobenzene	40.000	41.161	-2.9	136	0.00
69		Atrazine	40.000	38.851	2.9	125	0.00
70	C	Pentachlorophenol	40.000	44.446	-11.1	148	0.00
71		Phenanthrene	40.000	39.541	1.1	131	0.00
72		Anthracene	40.000	39.639	0.9	131	0.00
73		Carbazole	40.000	37.457	6.4	122	0.00
74		Di-n-butylphthalate	40.000	38.509	3.7	125	0.00
75	C	Fluoranthene	40.000	36.288	9.3	119	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	106	0.02
77		Benzidine	40.000	30.320	24.2	79	0.00
78		Pyrene	40.000	43.044	-7.6	116	0.01
79	S	Terphenyl-d14	80.000	86.216	-7.8	117	0.01
80		Butylbenzylphthalate	40.000	41.647	-4.1	115	0.00
81		Benzo(a)anthracene	40.000	40.172	-0.4	106	0.01
82		3,3'-Dichlorobenzidine	40.000	40.936	-2.3	102	0.00
83		Chrysene	40.000	39.759	0.6	105	0.01
84		Bis(2-ethylhexyl)phthalate	40.000	43.381	-8.5	109	0.01
85	c	Di-n-octyl phthalate	40.000	39.871	0.3	108	0.01
86	I	Perylene-d12	20.000	20.000	0.0	102	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	41.105	-2.8	102	0.00
88		Benzo(b)fluoranthene	40.000	40.381	-1.0	102	0.01
89		Benzo(k)fluoranthene	40.000	39.984	0.0	100	0.01
90	C	Benzo(a)pyrene	40.000	40.657	-1.6	102	0.02
91		Dibenzo(a,h)anthracene	40.000	41.172	-2.9	103	0.02
92		Benzo(g,h,i)perylene	40.000	41.532	-3.8	104	0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021489.D
Acq On : 13 Aug 2024 19:03
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Quant Time: Aug 14 00:10:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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: JACO05

Lab Code: CHEM Case No.: P3657 SAS No.: P3657 SDG No.: P3657

Instrument ID: BNA_P Calibration Date/Time: 08/20/2024 10:07

Lab File ID: BP021566.D Init. Calib. Date(s): 08/13/2024 08/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:32 17:36

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.783	1.602		-10.2	
2-Fluorophenol	1.347	1.353		0.4	
Benzaldehyde	1.258	1.358		7.9	
Phenol-d6	1.965	1.932		-1.7	
2-Methylphenol	1.286	1.272		-1.1	
3+4-Methylphenols	1.734	1.797		3.6	
Nitrobenzene-d5	0.387	0.426		10.1	
Hexachloroethane	0.599	0.597		-0.3	
Nitrobenzene	0.421	0.432		2.6	
Naphthalene	1.045	1.030		-1.4	
Hexachlorobutadiene	0.215	0.208		-3.3	20.0
2-Methylnaphthalene	0.713	0.693		-2.8	
2,4,6-Trichlorophenol	0.326	0.378		16.0	20.0
2-Fluorobiphenyl	1.310	1.241		-5.3	
2,4,5-Trichlorophenol	0.362	0.427		18.0	
Acenaphthylene	1.619	1.589		-1.9	
Acenaphthene	1.063	1.082		1.8	20.0
Dibenzofuran	1.635	1.602		-2.0	
2,4-Dinitrotoluene	0.284	0.425		49.6	
Fluorene	1.343	1.294		-3.6	
2,4,6-Tribromophenol	0.223	0.267		19.7	
Hexachlorobenzene	0.250	0.242		-3.2	
Pentachlorophenol	0.137	0.170		24.1	20.0
Phenanthrene	0.962	0.951		-1.1	
Anthracene	0.943	0.947		0.4	
Carbazole	0.909	0.938		3.2	
Di-n-butylphthalate	1.116	1.121		0.4	
Fluoranthene	1.180	1.227		4.0	20.0
Pyrene	1.307	1.288		-1.5	
Terphenyl-d14	1.029	0.954		-7.3	
Benzo(a)anthracene	1.256	1.256		0.0	
Chrysene	1.185	1.188		0.3	
Bis(2-ethylhexyl)phthalate	0.742	0.771		3.9	
Benzo(b)fluoranthene	1.149	1.120		-2.5	
Benzo(k)fluoranthene	1.121	1.084		-3.3	
Benzo(a)pyrene	0.997	1.000		0.3	20.0
Indeno(1,2,3-cd)pyrene	1.296	1.324		2.2	
Dibenzo(a,h)anthracene	1.077	1.092		1.4	
Benzo(g,h,i)perylene	1.080	1.120		3.7	

Form VII SV-1

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: JACO05

Lab Code: CHEM Case No.: P3657 SAS No.: P3657 SDG No.: P3657

Instrument ID: BNA_P Calibration Date/Time: 08/20/2024 10:07

Lab File ID: BP021566.D Init. Calib. Date(s): 08/13/2024 08/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:32 17:36

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.639	0.561		-12.2	20.0
1-Methylnaphthalene	0.703	0.682		-3.0	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021566.D
Acq On : 20 Aug 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 11:20:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	357434	20.000	ng		0.00
21) Naphthalene-d8	10.593	136	1454006	20.000	ng		0.00
39) Acenaphthene-d10	14.451	164	971251	20.000	ng		0.00
64) Phenanthrene-d10	17.263	188	2102943	20.000	ng		0.01
76) Chrysene-d12	21.727	240	2067038	20.000	ng		0.03
86) Perylene-d12	25.174	264	2510089	20.000	ng		0.07
System Monitoring Compounds							
5) 2-Fluorophenol	5.405	112	1934361	80.358	ng		0.01
7) Phenol-d6	6.975	99	2762029	78.656	ng		0.01
23) Nitrobenzene-d5	8.952	82	2476910	87.927	ng		0.00
42) 2,4,6-Tribromophenol	15.963	330	1037187	95.950	ng		0.00
45) 2-Fluorobiphenyl	13.063	172	4820142	75.740	ng		0.00
79) Terphenyl-d14	19.992	244	7890058	74.156	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.322	88	401142	35.145	ng		99
3) Pyridine	3.717	79	1144919	35.932	ng		96
4) n-Nitrosodimethylamine	3.622	42	351901	36.744	ng		93
6) Aniline	7.134	93	1285899	36.630	ng		97
8) 2-Chlorophenol	7.375	128	925647	41.611	ng		95
9) Benzaldehyde	6.946	77	970805m	43.178	ng		
10) Phenol	6.999	94	1391597	38.270	ng		97
11) bis(2-Chloroethyl)ether	7.228	93	1102315	35.826	ng		97
12) 1,3-Dichlorobenzene	7.699	146	1028196	38.912	ng		96
13) 1,4-Dichlorobenzene	7.840	146	1041774	39.044	ng		98
14) 1,2-Dichlorobenzene	8.157	146	989860	38.497	ng		99
15) Benzyl Alcohol	8.040	79	963573	38.244	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.328	45	988701	34.893	ng		98
17) 2-Methylphenol	8.246	107	909170	39.549	ng		97
18) Hexachloroethane	8.887	117	426491	39.861	ng		99
19) n-Nitroso-di-n-propyla...	8.605	70	792638	32.677	ng		96
20) 3+4-Methylphenols	8.569	107	1284831	41.450	ng		98
22) Acetophenone	8.622	105	1697255	37.996	ng	#	96
24) Nitrobenzene	8.993	77	1256678	41.074	ng		93
25) Isophorone	9.522	82	2333788	35.068	ng		98
26) 2-Nitrophenol	9.704	139	480680	56.961	ng		95
27) 2,4-Dimethylphenol	9.769	122	666408	40.576	ng		95
28) bis(2-Chloroethoxy)met...	10.004	93	1468190	36.141	ng		100
29) 2,4-Dichlorophenol	10.240	162	872962	44.986	ng		98
30) 1,2,4-Trichlorobenzene	10.457	180	966653	38.855	ng		97
31) Naphthalene	10.646	128	2995089	39.431	ng		100
32) Benzoic acid	9.899	122	796276	64.703	ng		97
33) 4-Chloroaniline	10.746	127	1156545	40.535	ng		96
34) Hexachlorobutadiene	10.934	225	604655	38.600	ng		99
35) Caprolactam	11.522	113	378013	46.800	ng		91
36) 4-Chloro-3-methylphenol	11.875	107	1181215	43.882	ng		97
37) 2-Methylnaphthalene	12.263	142	2014464	38.859	ng		99
38) 1-Methylnaphthalene	12.481	142	1982500	38.775	ng		100
40) 1,2,4,5-Tetrachloroben...	12.628	216	1085575	38.147	ng		100
41) Hexachlorocyclopentadiene	12.616	237	456339	50.596	ng		98
43) 2,4,6-Trichlorophenol	12.869	196	734554	46.468	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021566.D
Acq On : 20 Aug 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 11:20:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.940	196	829555	47.232	ng		95
46) 1,1'-Biphenyl	13.275	154	2616716	38.080	ng		98
47) 2-Chloronaphthalene	13.316	162	2065003	38.599	ng		99
48) 2-Nitroaniline	13.510	65	704708	47.106	ng	#	86
49) Acenaphthylene	14.169	152	3086915	39.251	ng		99
50) Dimethylphthalate	13.904	163	2580187	39.669	ng		99
51) 2,6-Dinitrotoluene	14.010	165	594069	45.498	ng		92
52) Acenaphthene	14.522	154	2102181	40.738	ng		99
53) 3-Nitroaniline	14.339	138	627496	48.589	ng	#	95
54) 2,4-Dinitrophenol	14.563	184	267685	65.093	ng		88
55) Dibenzofuran	14.863	168	3112579	39.211	ng		99
56) 4-Nitrophenol	14.657	139	556879	53.424	ng		88
57) 2,4-Dinitrotoluene	14.816	165	825714	49.320	ng		88
58) Fluorene	15.528	166	2513424	38.542	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.087	232	716552	48.067	ng		99
60) Diethylphthalate	15.292	149	2656153	39.800	ng		100
61) 4-Chlorophenyl-phenyle...	15.522	204	1250366	37.093	ng		99
62) 4-Nitroaniline	15.534	138	654363	49.265	ng		91
63) Azobenzene	15.816	77	2864106	34.913	ng		97
65) 4,6-Dinitro-2-methylph...	15.598	198	403578	58.939	ng		95
66) n-Nitrosodiphenylamine	15.734	169	2179381	38.672	ng		100
67) 4-Bromophenyl-phenylether	16.434	248	835316	37.531	ng		99
68) Hexachlorobenzene	16.557	284	1019155	38.748	ng		99
69) Atrazine	16.710	200	638902	33.020	ng		99
70) Pentachlorophenol	16.910	266	714044	49.739	ng		99
71) Phenanthrene	17.310	178	3999697	39.548	ng		100
72) Anthracene	17.404	178	3981334	40.140	ng		100
73) Carbazole	17.675	167	3947153	41.294	ng		99
74) Di-n-butylphthalate	18.280	149	4715211	40.166	ng		100
75) Fluoranthene	19.386	202	5158752	41.572	ng		99
77) Benzidine	19.580	184	2092255	43.787	ng		100
78) Pyrene	19.763	202	5322876	39.398	ng		100
80) Butylbenzylphthalate	20.716	149	2221372	43.672	ng		95
81) Benzo(a)anthracene	21.710	228	5190787	40.003	ng		100
82) 3,3'-Dichlorobenzidine	21.627	252	1922208	46.202	ng		100
83) Chrysene	21.780	228	4912854	40.101	ng		100
84) Bis(2-ethylhexyl)phtha...	21.663	149	3185624	41.537	ng		100
85) Di-n-octyl phthalate	22.986	149	5659478	42.612	ng		97
87) Indeno(1,2,3-cd)pyrene	29.103	276	6648231m	40.860	ng		
88) Benzo(b)fluoranthene	24.086	252	5622632	39.003	ng		99
89) Benzo(k)fluoranthene	24.163	252	5443792	38.710	ng		99
90) Benzo(a)pyrene	25.004	252	5022273	40.145	ng		99
91) Dibenzo(a,h)anthracene	29.192	278	5480813	40.541	ng		100
92) Benzo(g,h,i)perylene	30.309	276	5623792	41.504	ng		99

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

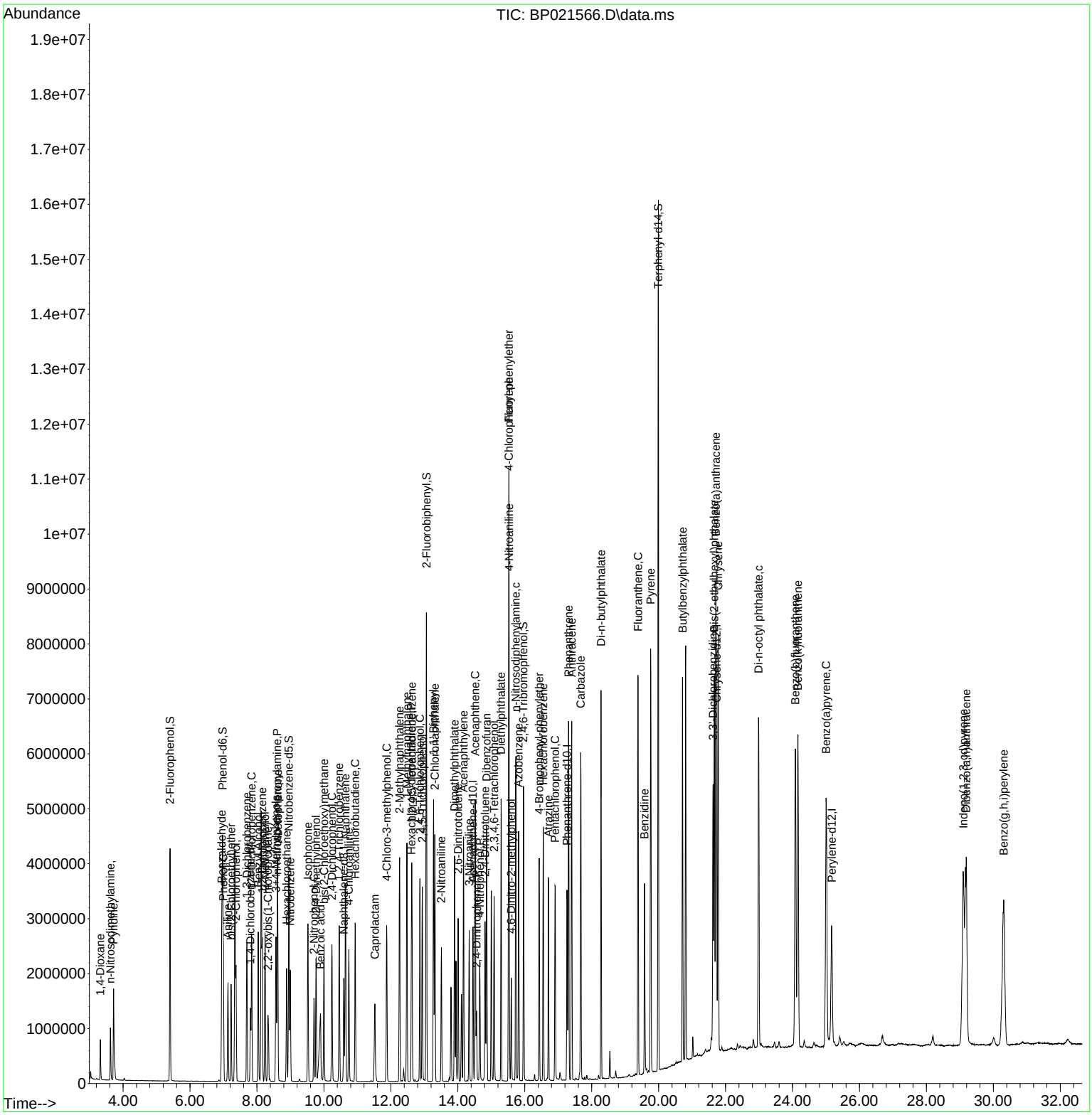
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Data File : BP021566.D
Acq On : 20 Aug 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

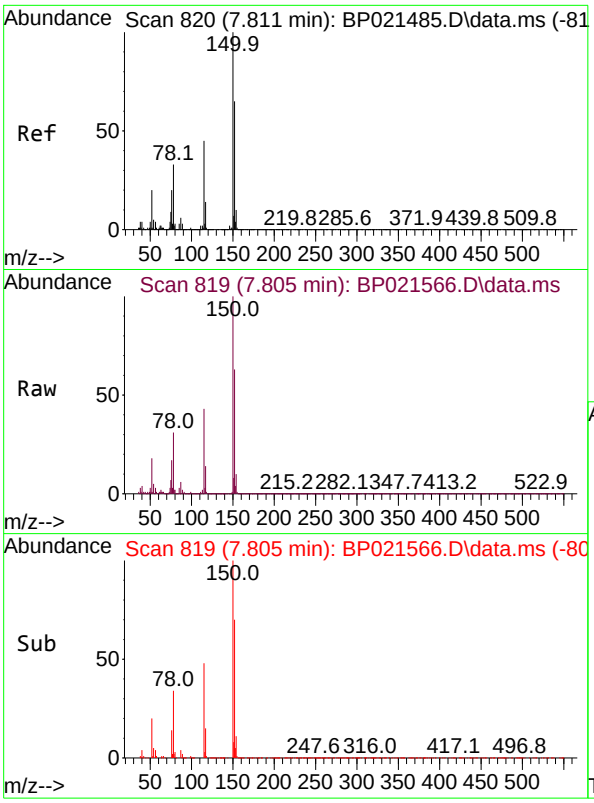
Quant Time: Aug 20 11:20:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

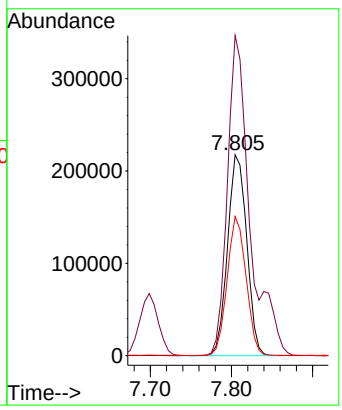




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:152 Resp: 35743

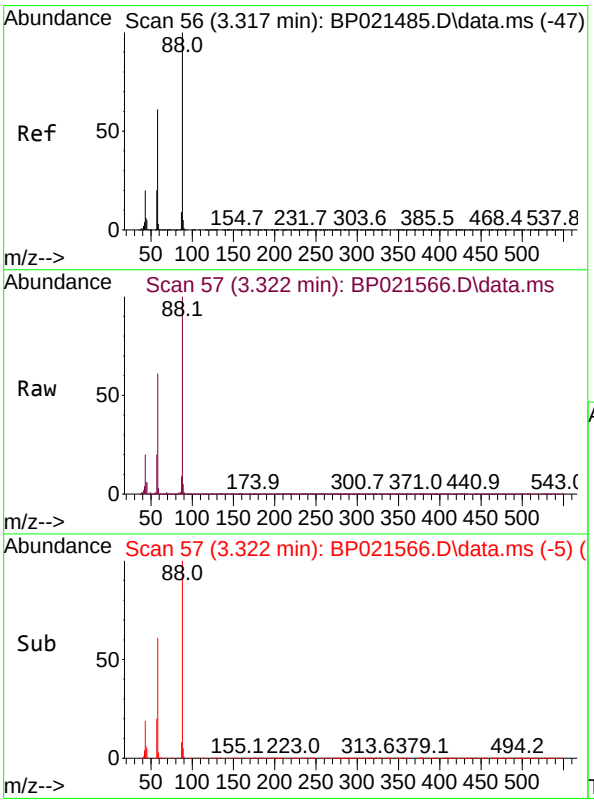
Ion	Ratio	Lower	Upper
152	100		
150	159.2	122.4	183.6
115	69.2	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

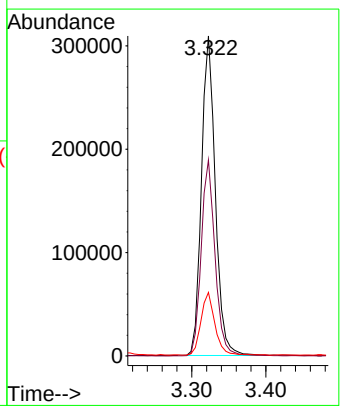
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

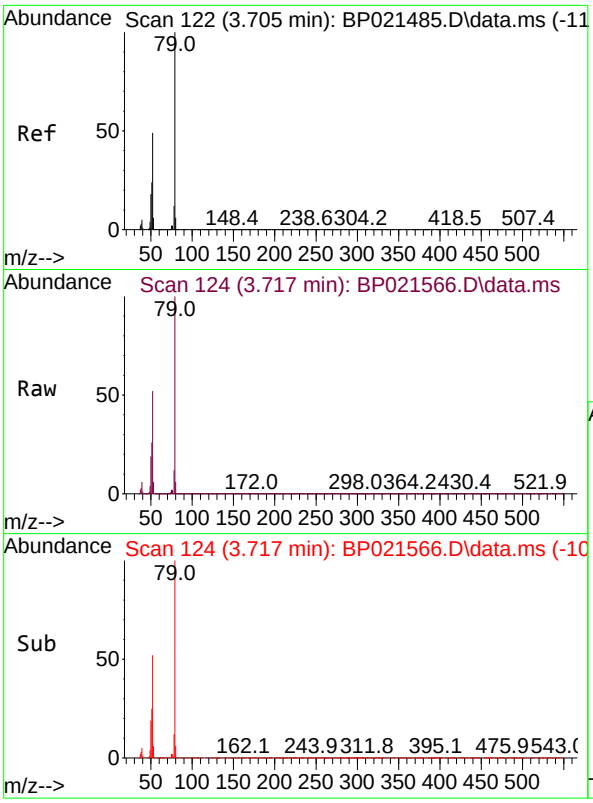


#2
1,4-Dioxane
Concen: 35.145 ng
RT: 3.322 min Scan# 57
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion: 88 Resp: 401142

Ion	Ratio	Lower	Upper
88	100		
58	61.6	48.7	73.1
43	19.8	15.4	23.2

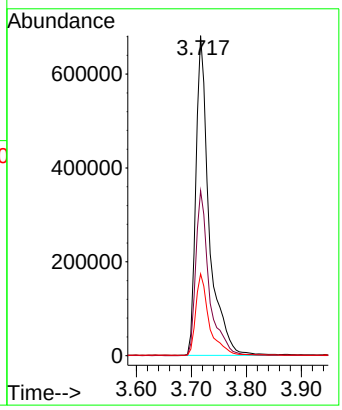




#3
Pyridine
Concen: 35.932 ng
RT: 3.717 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion: 79 Resp: 114491

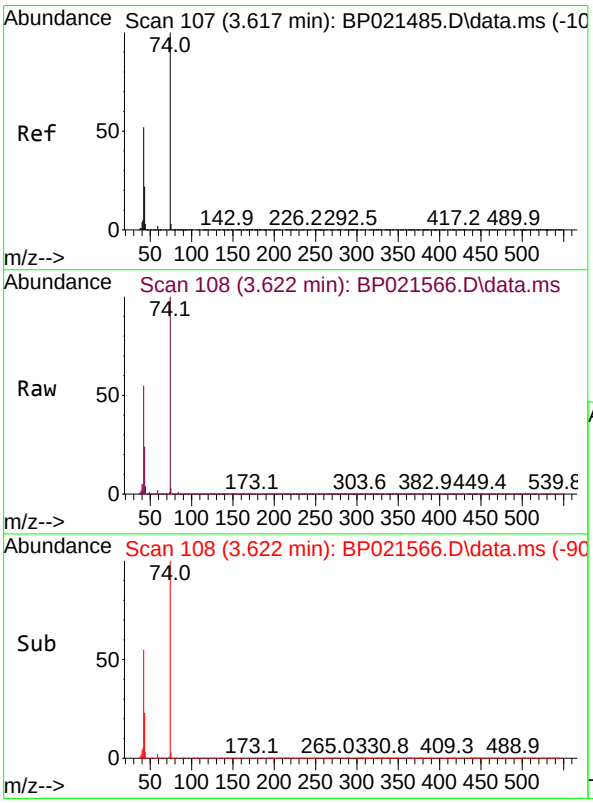
Ion	Ratio	Lower	Upper
79	100		
52	51.6	39.0	58.6
51	25.6	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

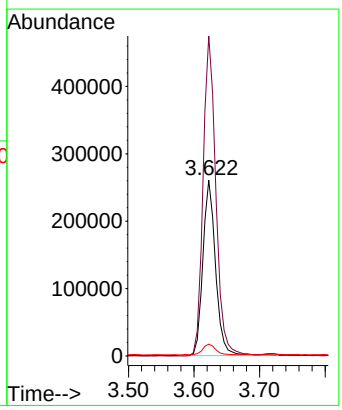
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

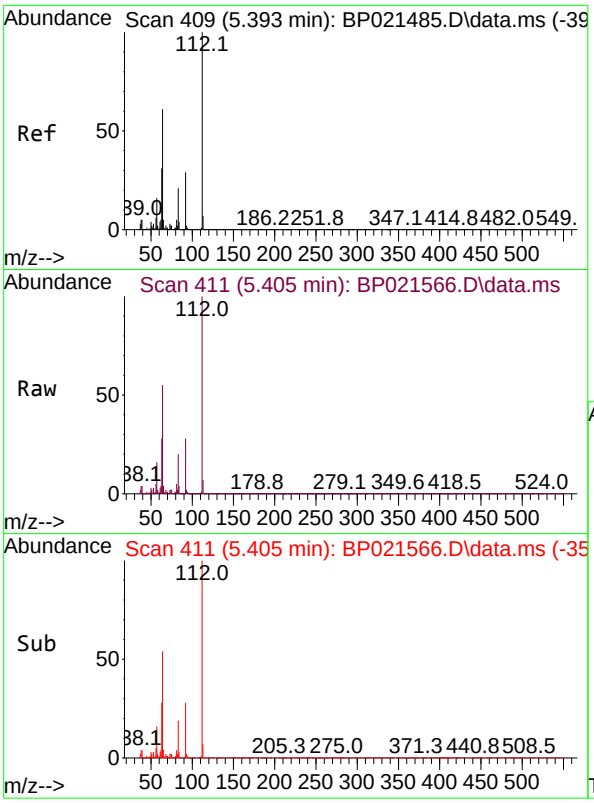


#4
n-Nitrosodimethylamine
Concen: 36.744 ng
RT: 3.622 min Scan# 108
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion: 42 Resp: 351901

Ion	Ratio	Lower	Upper
42	100		
74	182.0	154.3	231.5
44	6.8	6.2	9.4





#5
2-Fluorophenol
Concen: 80.358 ng
RT: 5.405 min Scan# 4
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

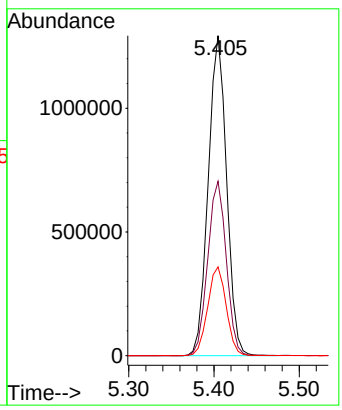
Tgt Ion:112 Resp: 193436

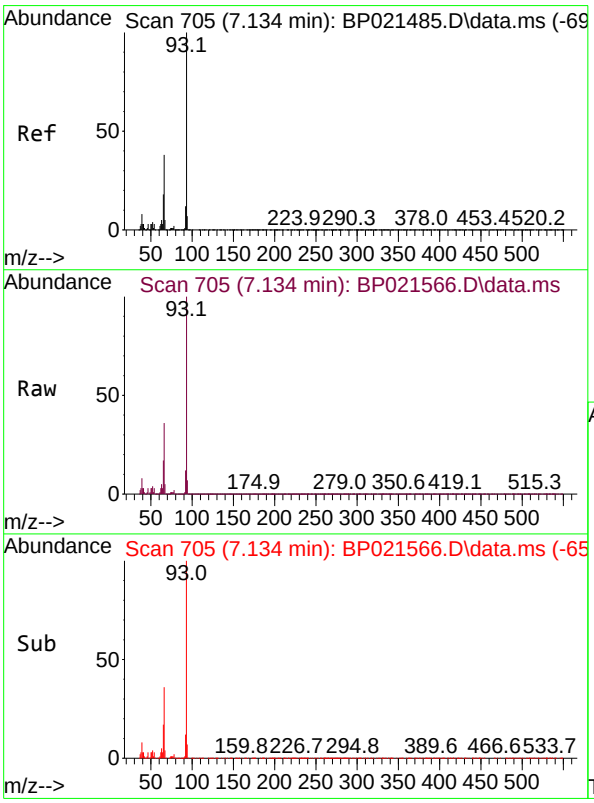
Ion	Ratio	Lower	Upper
112	100		
64	54.5	49.0	73.6
63	27.8	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

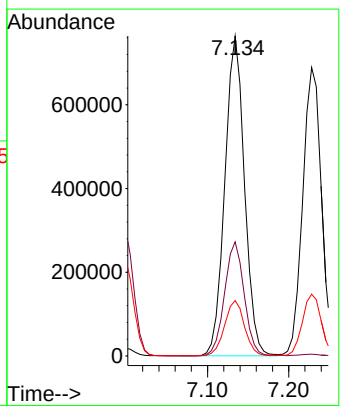


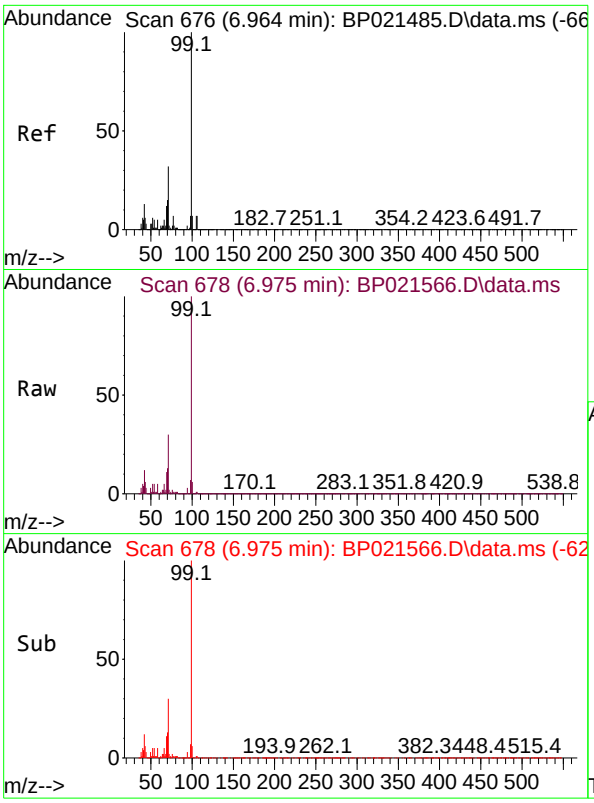


#6
Aniline
Concen: 36.630 ng
RT: 7.134 min Scan# 705
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion: 93 Resp: 1285899

Ion	Ratio	Lower	Upper
93	100		
66	35.7	30.2	45.2
65	17.3	14.7	22.1

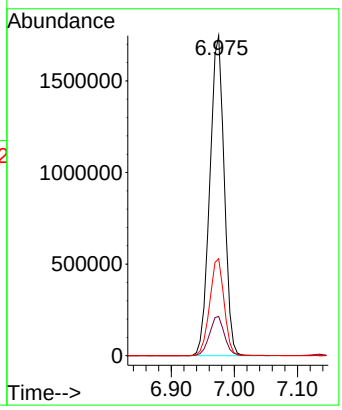




#7
Phenol-d6
Concen: 78.656 ng
RT: 6.975 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion: 99 Resp: 276202

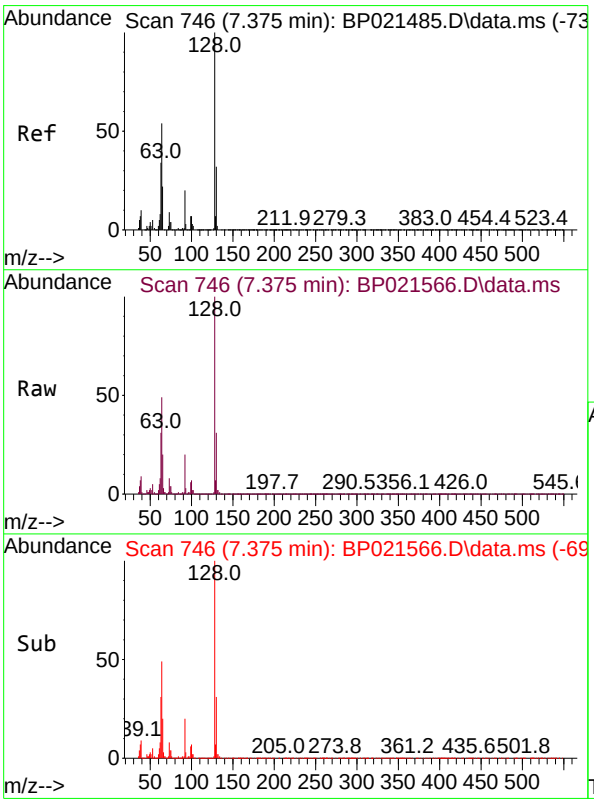
Ion	Ratio	Lower	Upper
99	100		
42	12.3	10.2	15.4
71	30.3	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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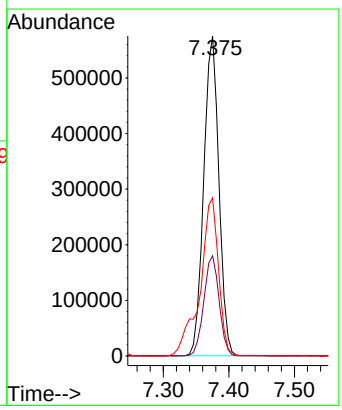
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

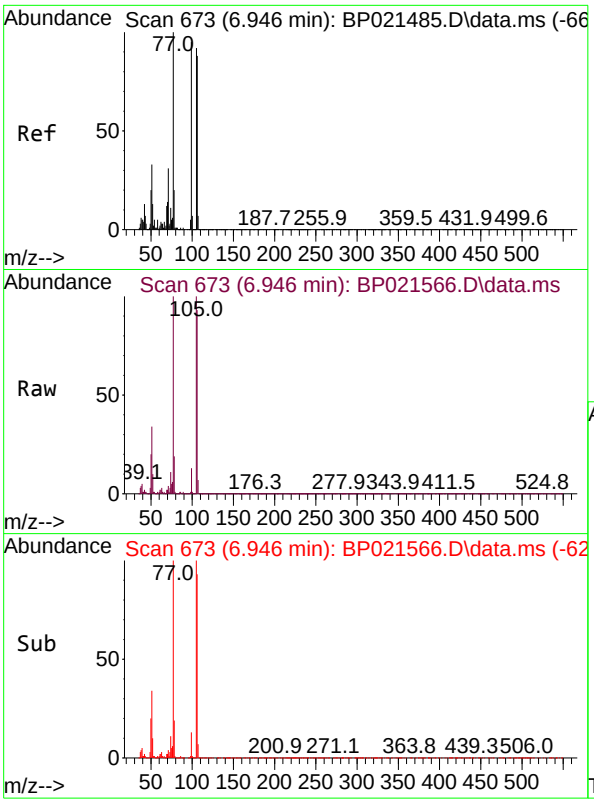


#8
2-Chlorophenol
Concen: 41.611 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:128 Resp: 925647

Ion	Ratio	Lower	Upper
128	100		
130	31.3	11.6	51.6
64	49.4	35.3	75.3

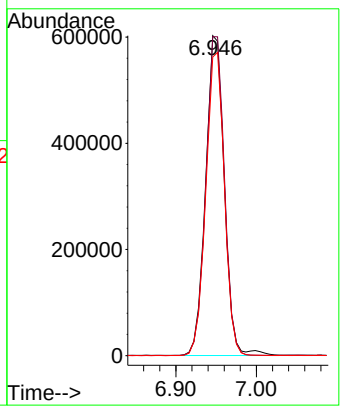




#9
Benzaldehyde
Concen: 43.178 ng m
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion: 77 Resp: 97080

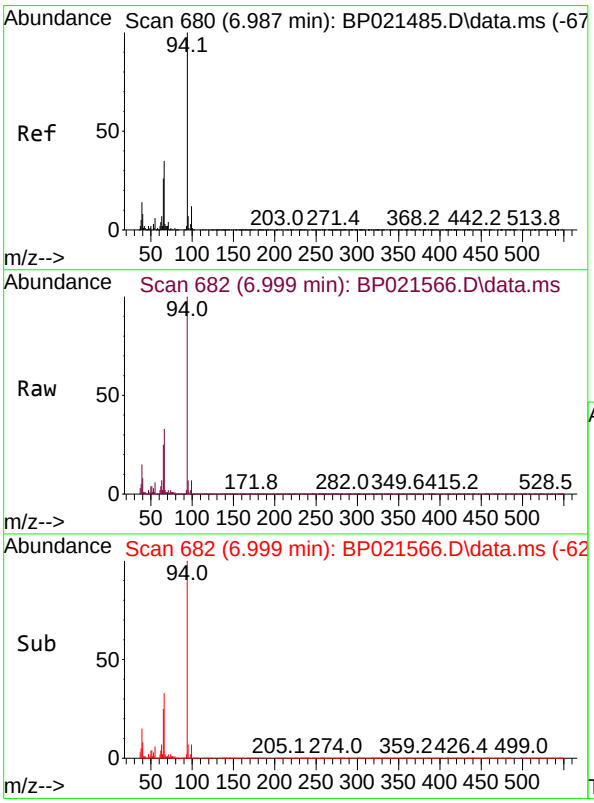
Ion	Ratio	Lower	Upper
77	100		
105	99.7	72.1	112.1
106	93.3	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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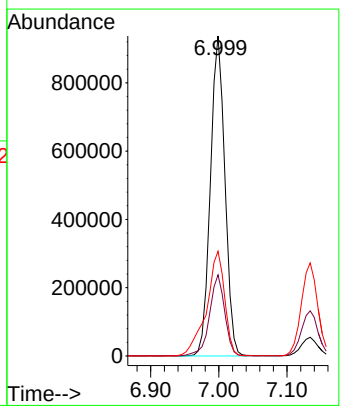
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

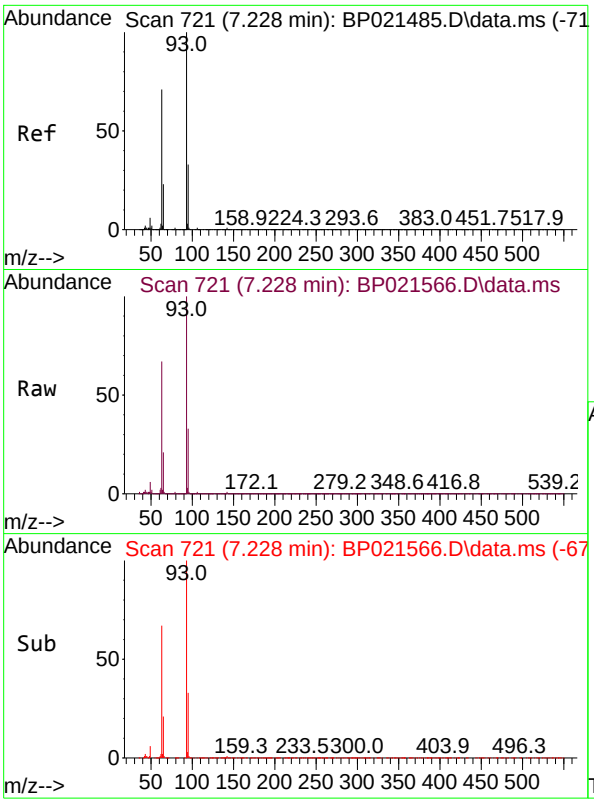


#10
Phenol
Concen: 38.270 ng
RT: 6.999 min Scan# 682
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion: 94 Resp: 1391597

Ion	Ratio	Lower	Upper
94	100		
65	25.4	6.5	46.5
66	32.7	14.7	54.7

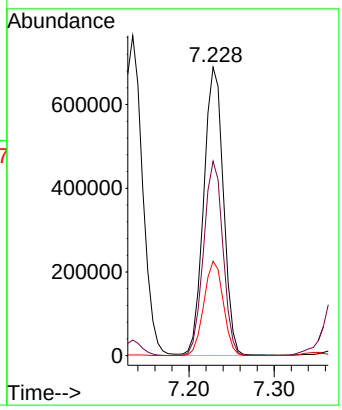




#11
bis(2-Chloroethyl)ether
Concen: 35.826 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion: 93 Resp: 110231

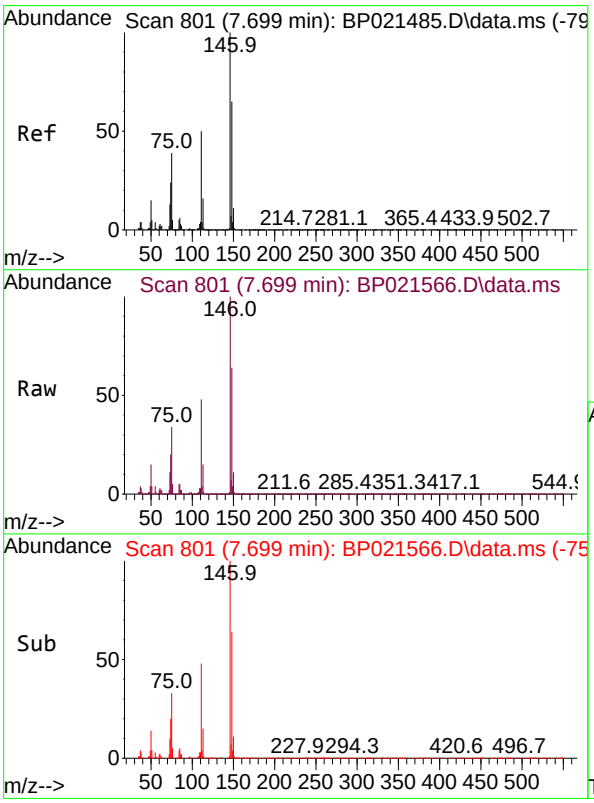
Ion	Ratio	Lower	Upper
93	100		
63	67.4	51.0	91.0
95	32.8	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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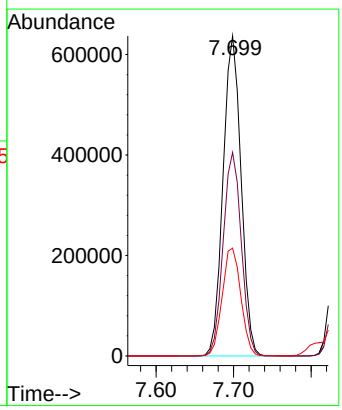
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

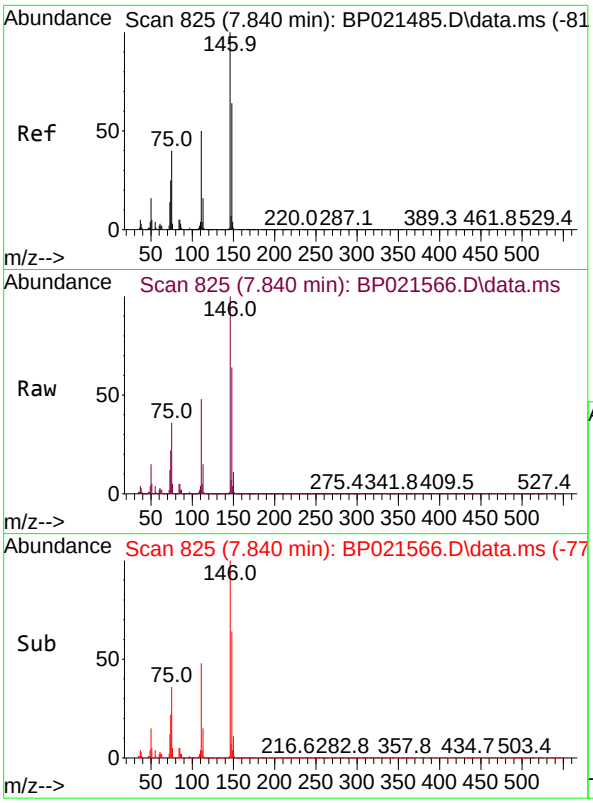


#12
1,3-Dichlorobenzene
Concen: 38.912 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:146 Resp: 1028196

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.8	77.6
75	33.7	31.3	46.9

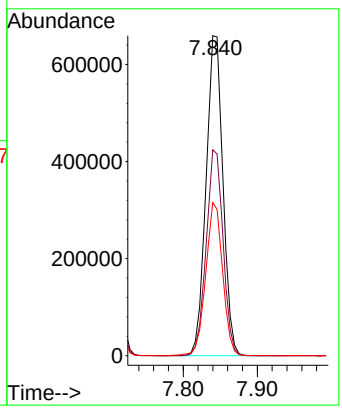




#13
1,4-Dichlorobenzene
Concen: 39.044 ng
RT: 7.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:146 Resp: 104177

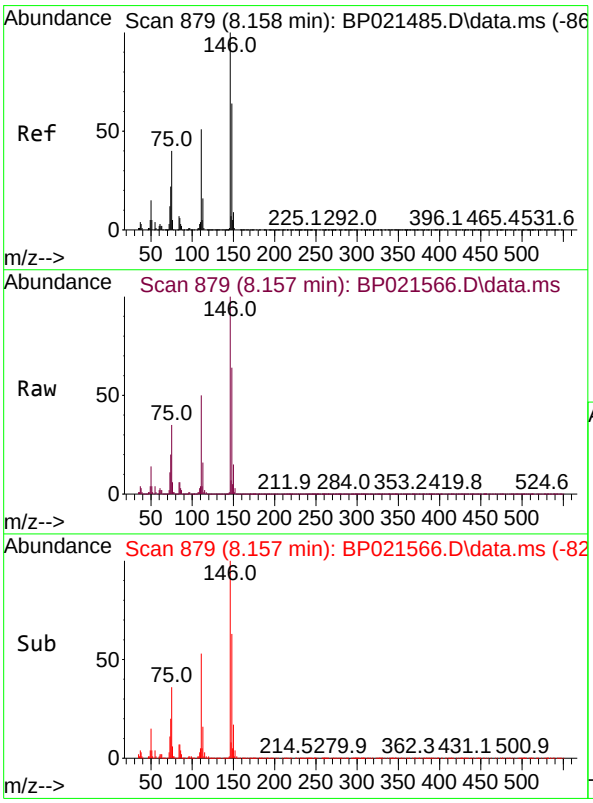
Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.5	77.3
111	47.9	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

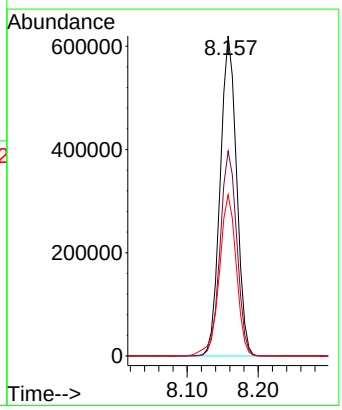
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

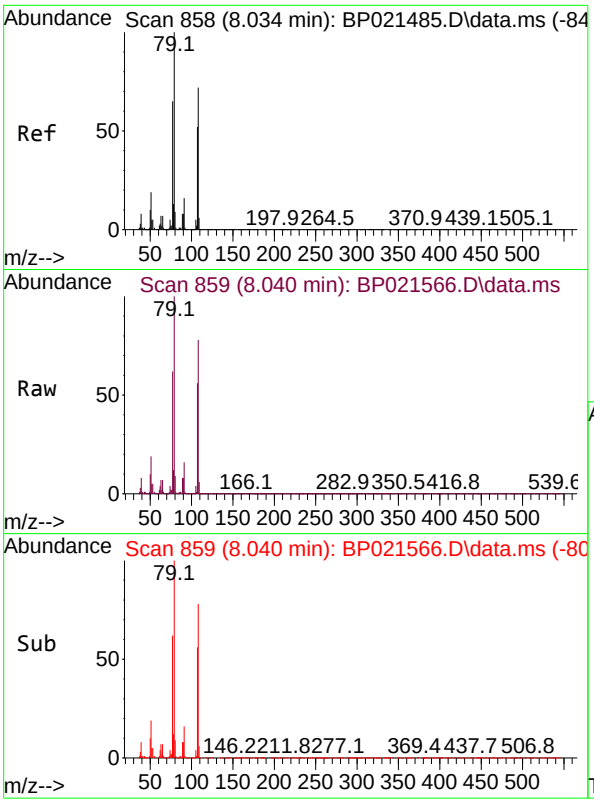


#14
1,2-Dichlorobenzene
Concen: 38.497 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:146 Resp: 989860

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.5	77.3
111	50.4	41.1	61.7





#15
Benzyl Alcohol
Concen: 38.244 ng
RT: 8.040 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

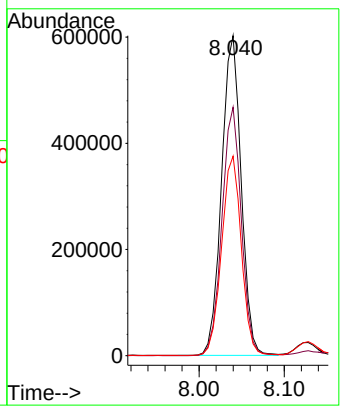
Tgt Ion: 79 Resp: 96357

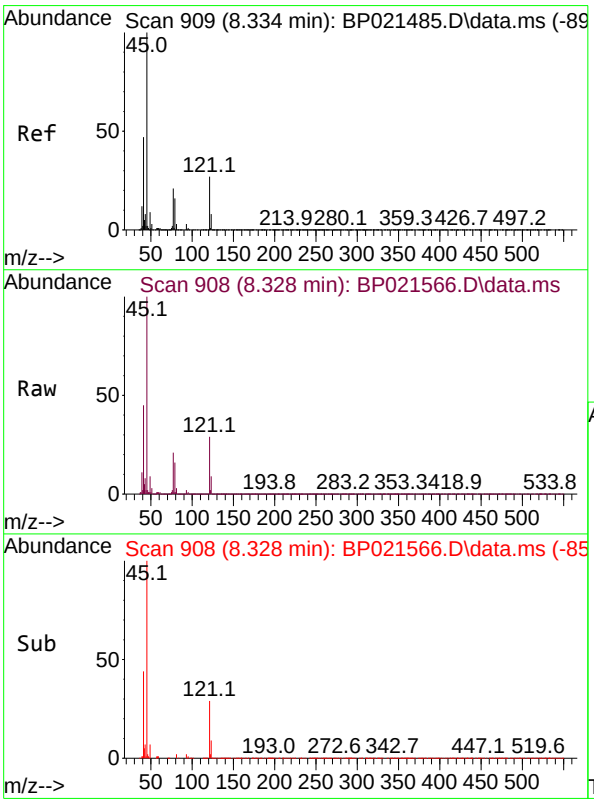
Ion	Ratio	Lower	Upper
79	100		
108	77.6	57.9	86.9
77	62.3	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

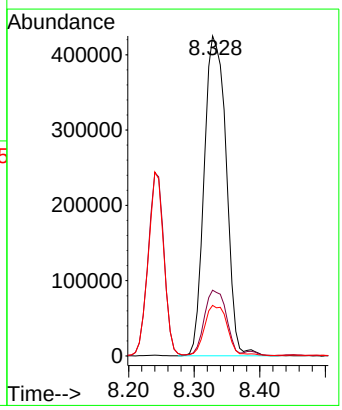


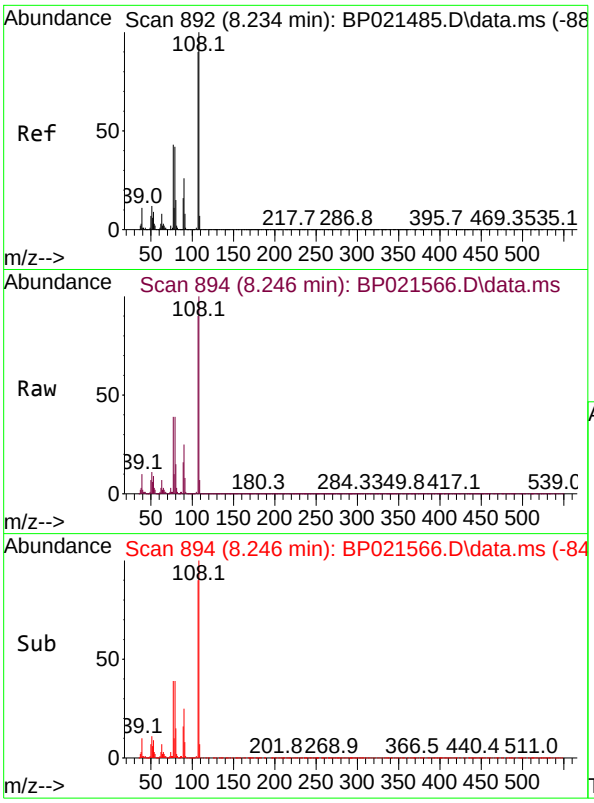


#16
2,2'-oxybis(1-Chloropropane)
Concen: 34.893 ng
RT: 8.328 min Scan# 908
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion: 45 Resp: 988701

Ion	Ratio	Lower	Upper
45	100		
77	20.5	1.9	41.9
79	15.8	0.0	36.6

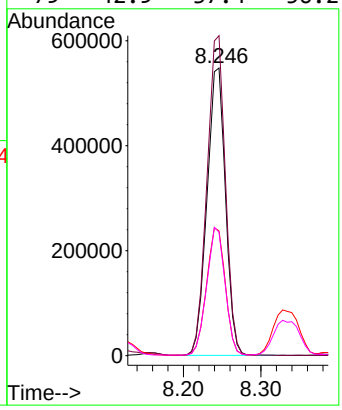




#17
2-Methylphenol
Concen: 39.549 ng
RT: 8.246 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:107 Resp: 90917

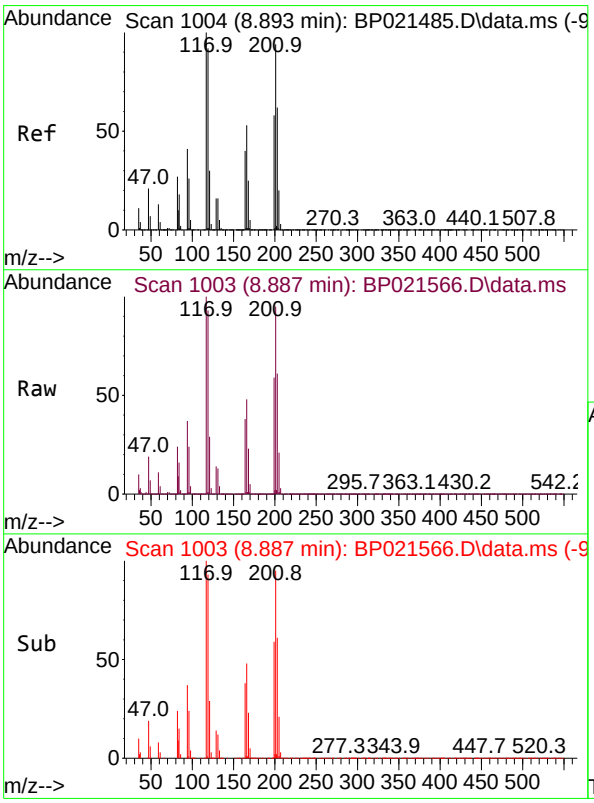
Ion	Ratio	Lower	Upper
107	100		
108	111.2	88.8	133.2
77	43.4	38.7	58.1
79	42.9	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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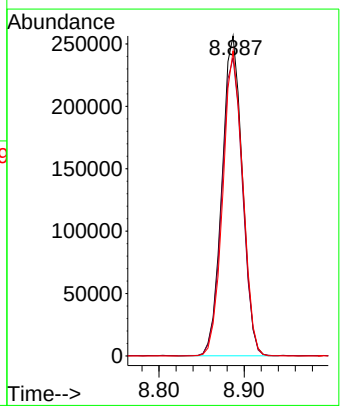
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

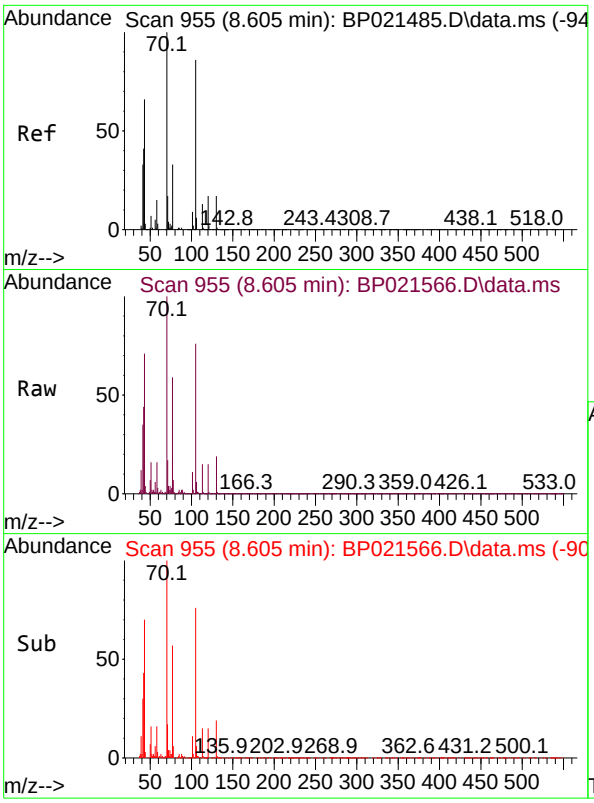


#18
Hexachloroethane
Concen: 39.861 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:117 Resp: 426491

Ion	Ratio	Lower	Upper
117	100		
119	93.1	73.9	110.9
201	95.3	74.9	112.3

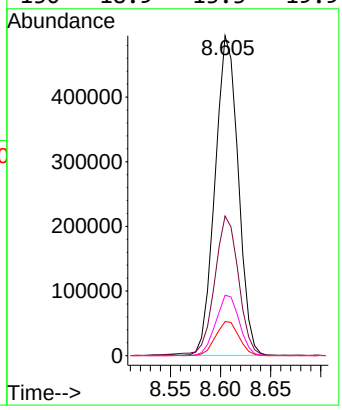




#19
n-Nitroso-di-n-propylamine
Concen: 32.677 ng
RT: 8.605 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

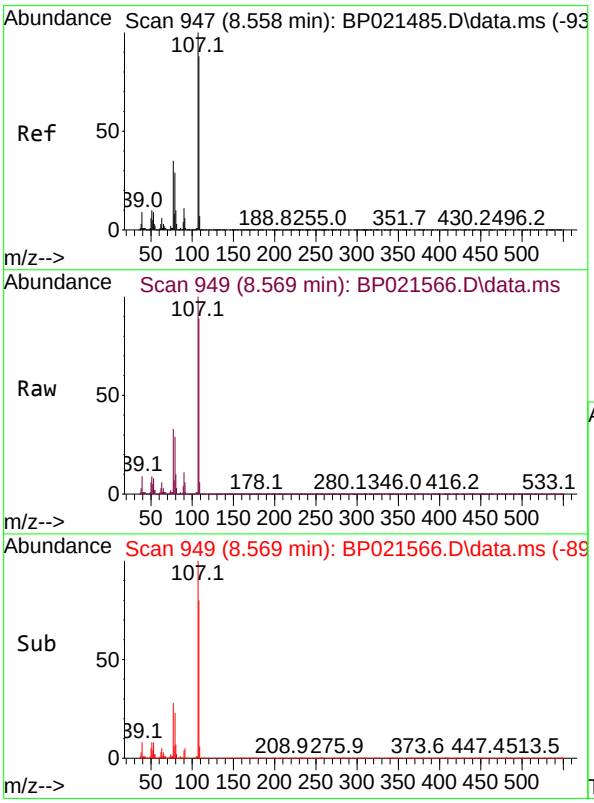
Tgt Ion: 70 Resp: 79263

Ion	Ratio	Lower	Upper
70	100		
42	43.6	33.1	49.7
101	10.7	7.4	11.2
130	18.9	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

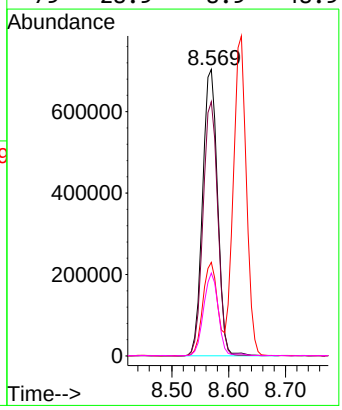
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

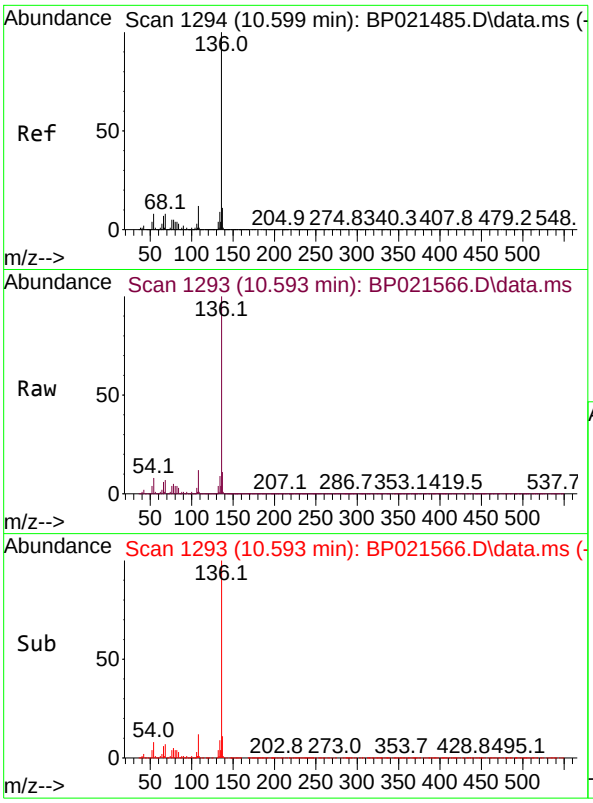


#20
3+4-Methylphenols
Concen: 41.450 ng
RT: 8.569 min Scan# 949
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:107 Resp: 1284831

Ion	Ratio	Lower	Upper
107	100		
108	88.7	67.6	107.6
77	32.7	15.0	55.0
79	28.9	8.9	48.9

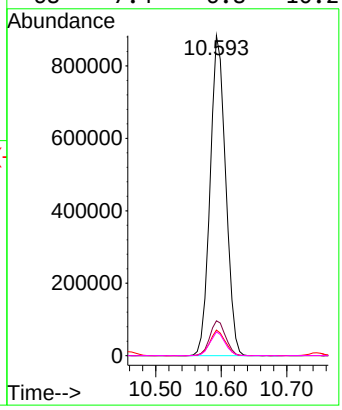




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:136 Resp: 145400

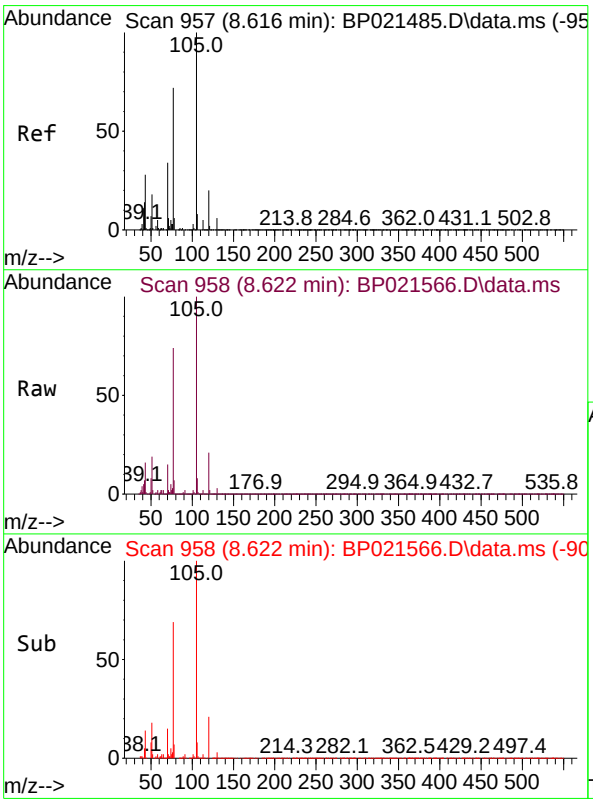
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.0	6.3	9.5
68	7.4	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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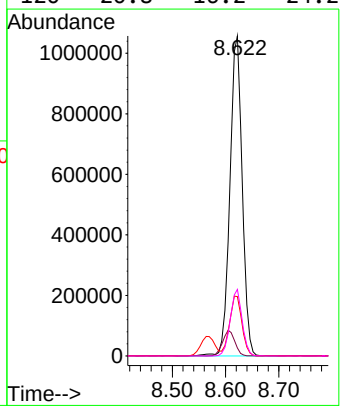
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

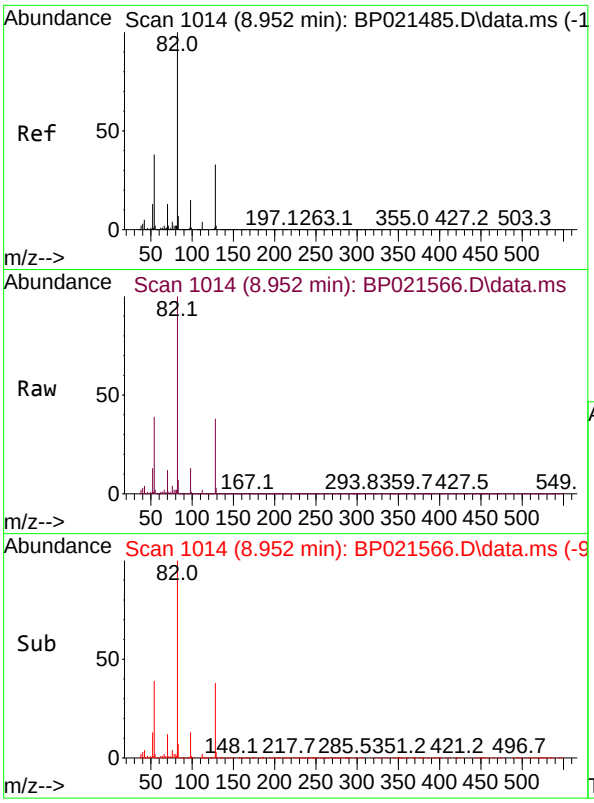


#22
Acetophenone
Concen: 37.996 ng
RT: 8.622 min Scan# 958
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:105 Resp: 1697255

Ion	Ratio	Lower	Upper
105	100		
71	2.5	4.6	7.0#
51	18.5	16.3	24.5
120	20.8	16.2	24.2

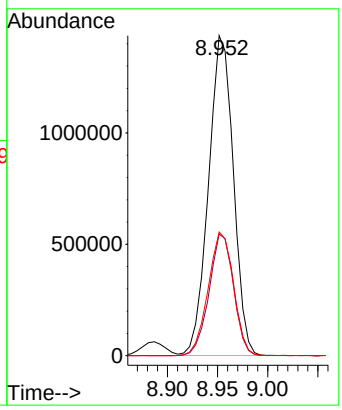




#23
Nitrobenzene-d5
Concen: 87.927 ng
RT: 8.952 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion: 82 Resp: 247691(

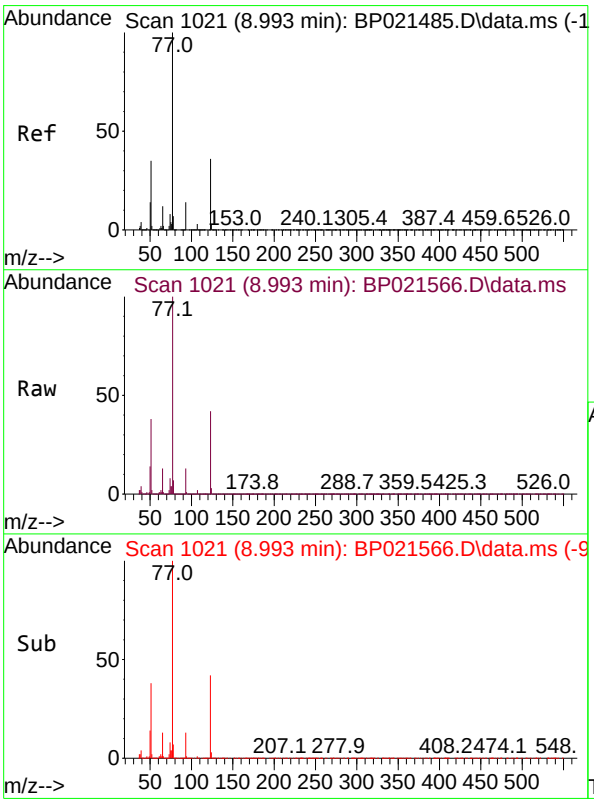
Ion	Ratio	Lower	Upper
82	100		
128	38.0	26.5	39.7
54	38.6	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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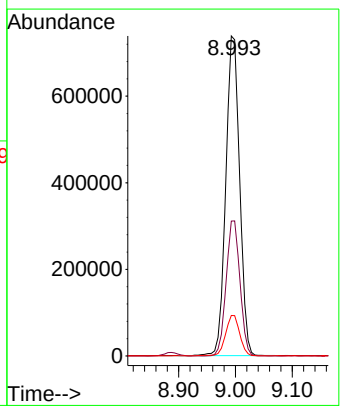
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

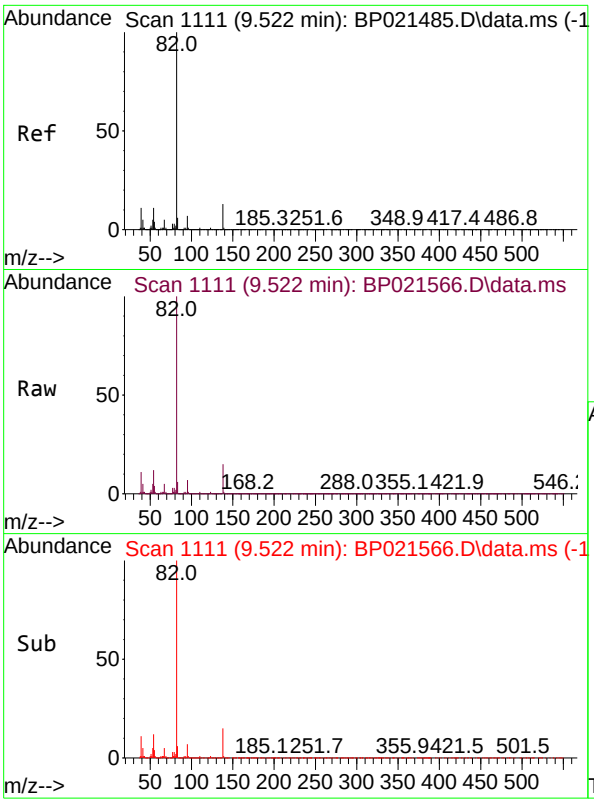


#24
Nitrobenzene
Concen: 41.074 ng
RT: 8.993 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion: 77 Resp: 1256678

Ion	Ratio	Lower	Upper
77	100		
123	42.1	29.5	44.3
65	12.6	9.9	14.9





#25
Isophorone
Concen: 35.068 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

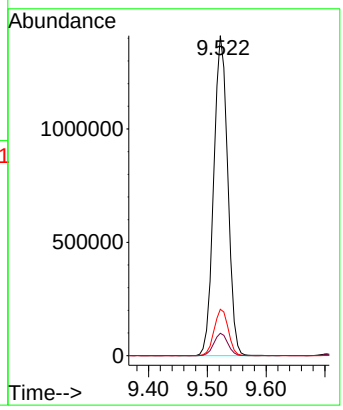
Tgt Ion: 82 Resp: 233378

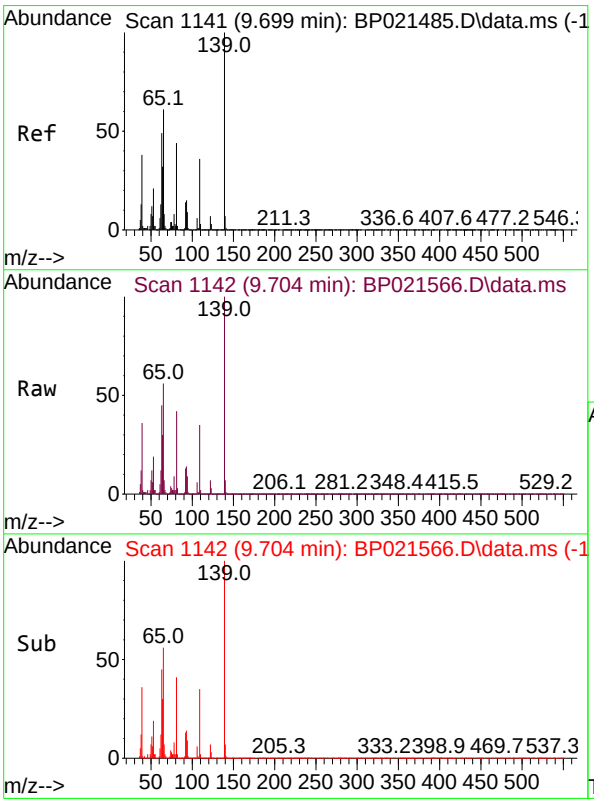
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.2
138	14.5	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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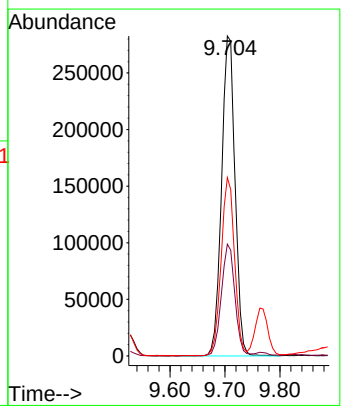


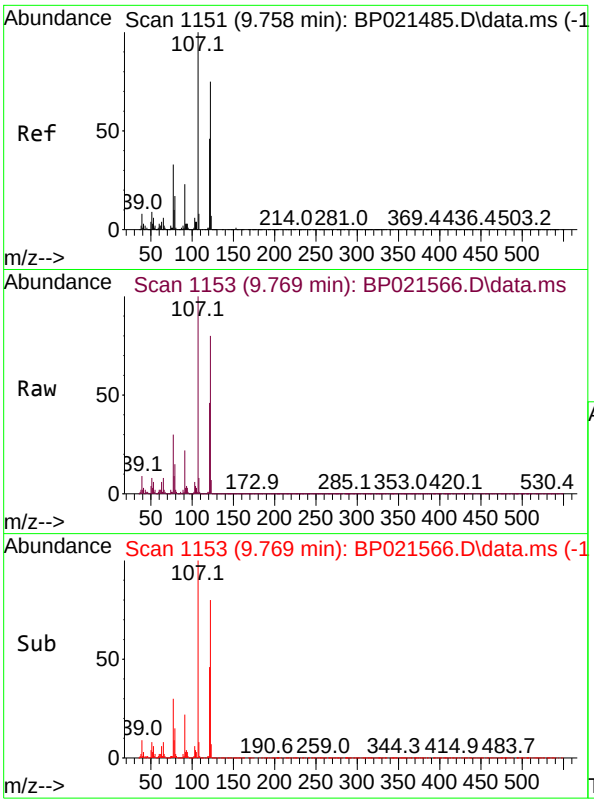


#26
2-Nitrophenol
Concen: 56.961 ng
RT: 9.704 min Scan# 1142
Delta R.T. 0.005 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:139 Resp: 480680

Ion	Ratio	Lower	Upper
139	100		
109	34.9	28.9	43.3
65	55.8	49.0	73.6

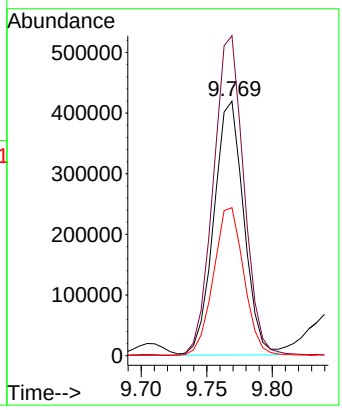




#27
2,4-Dimethylphenol
Concen: 40.576 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:122 Resp: 66640

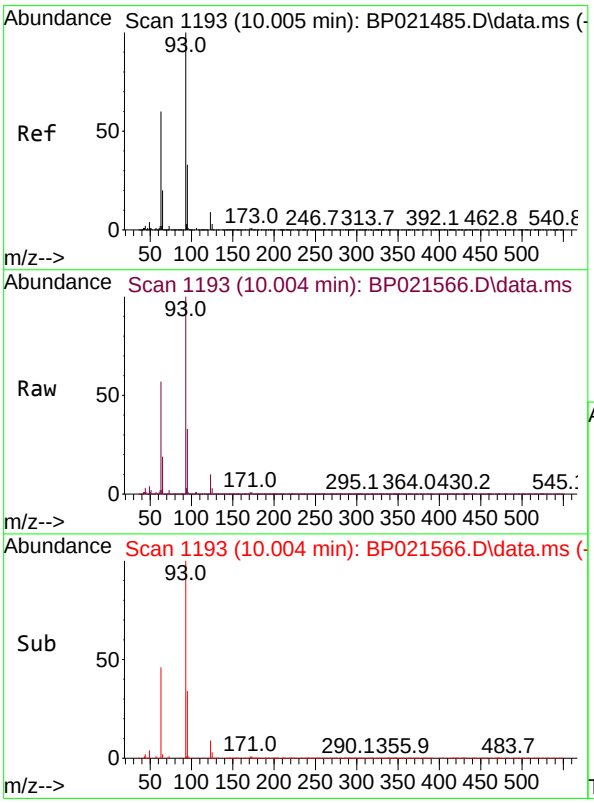
Ion	Ratio	Lower	Upper
122	100		
107	125.8	106.2	159.4
121	58.2	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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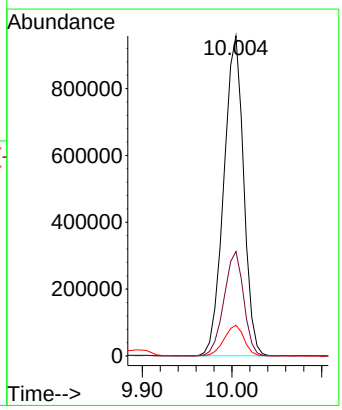
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

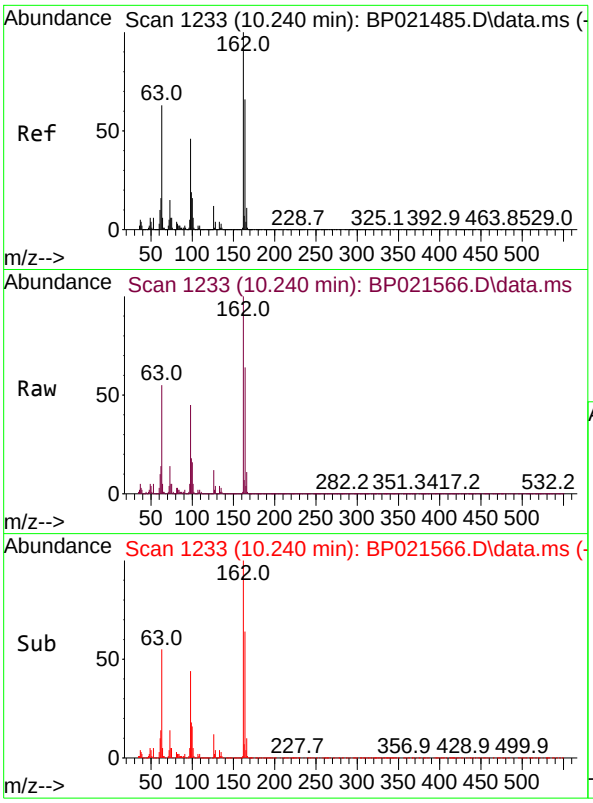


#28
bis(2-Chloroethoxy)methane
Concen: 36.141 ng
RT: 10.004 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion: 93 Resp: 1468190

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.4
123	9.6	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 44.986 ng
RT: 10.240 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

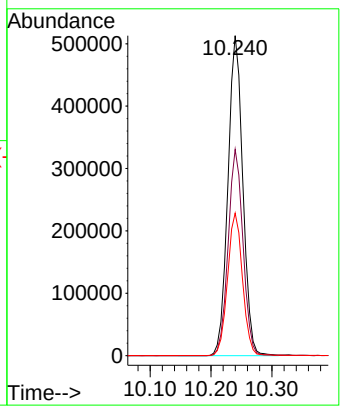
Tgt Ion:162 Resp: 87296

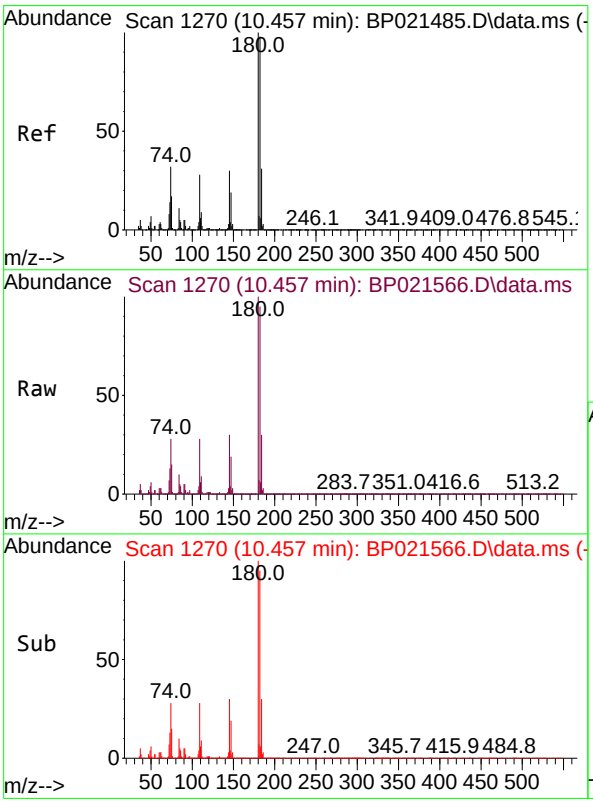
Ion	Ratio	Lower	Upper
162	100		
164	64.4	45.9	85.9
98	44.6	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

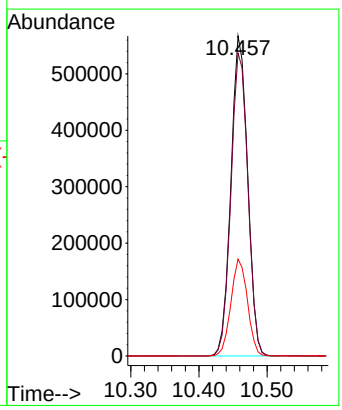


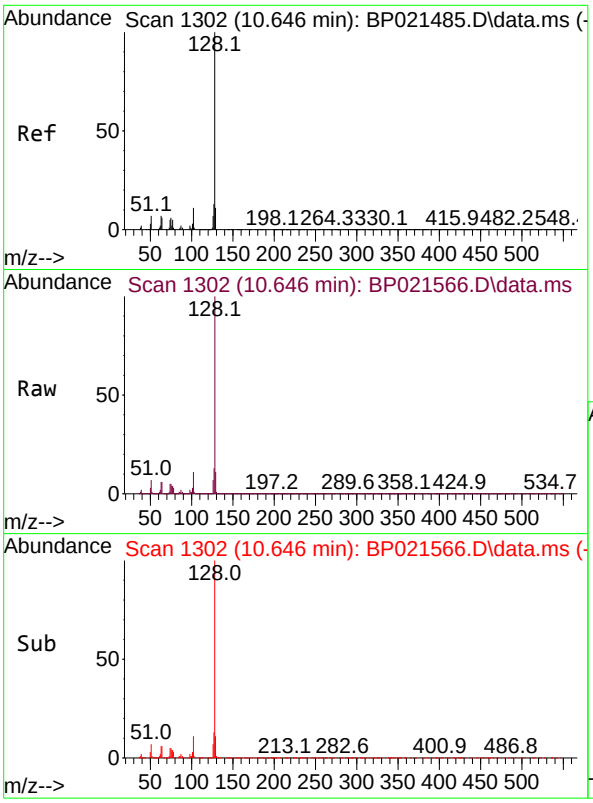


#30
1,2,4-Trichlorobenzene
Concen: 38.855 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:180 Resp: 966653

Ion	Ratio	Lower	Upper
180	100		
182	94.7	78.3	117.5
145	30.2	24.0	36.0

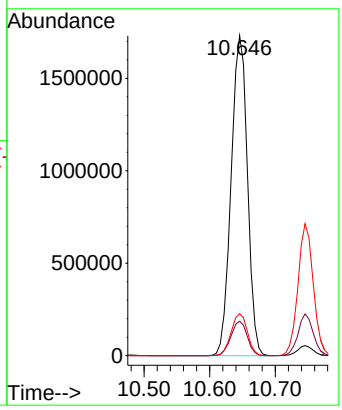




#31
Naphthalene
Concen: 39.431 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:128 Resp: 299508

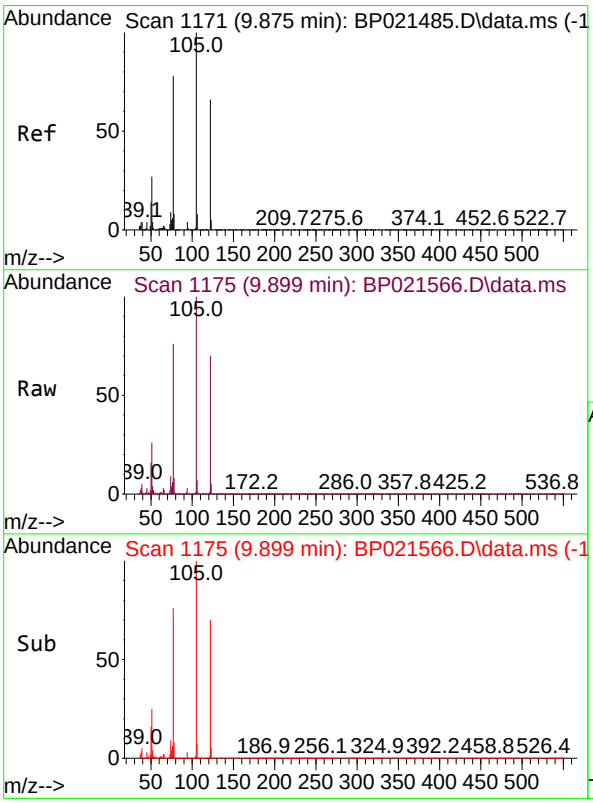
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	13.1	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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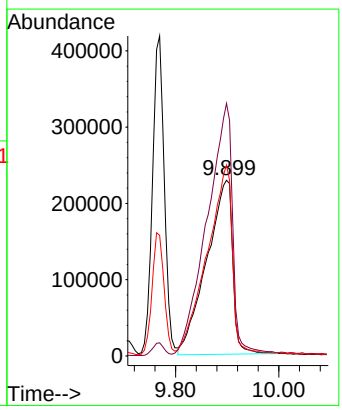
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

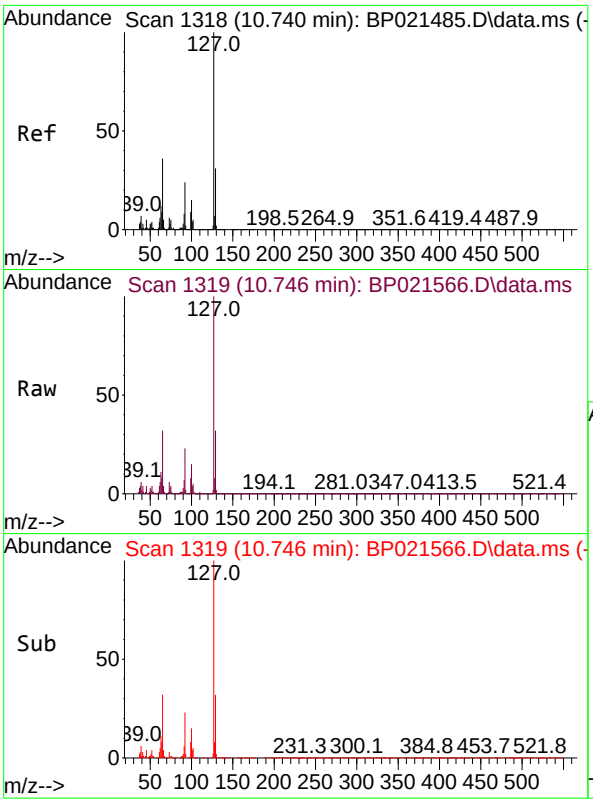


#32
Benzoic acid
Concen: 64.703 ng
RT: 9.899 min Scan# 1175
Delta R.T. 0.024 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:122 Resp: 796276

Ion	Ratio	Lower	Upper
122	100		
105	143.8	124.6	164.6
77	108.7	96.2	136.2

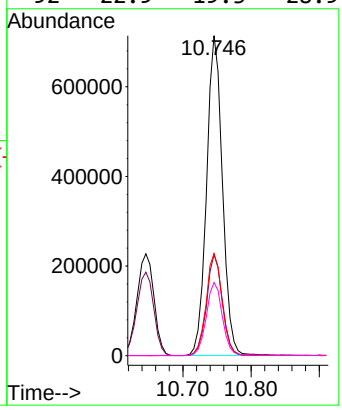




#33
4-Chloroaniline
Concen: 40.535 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:127 Resp: 115654

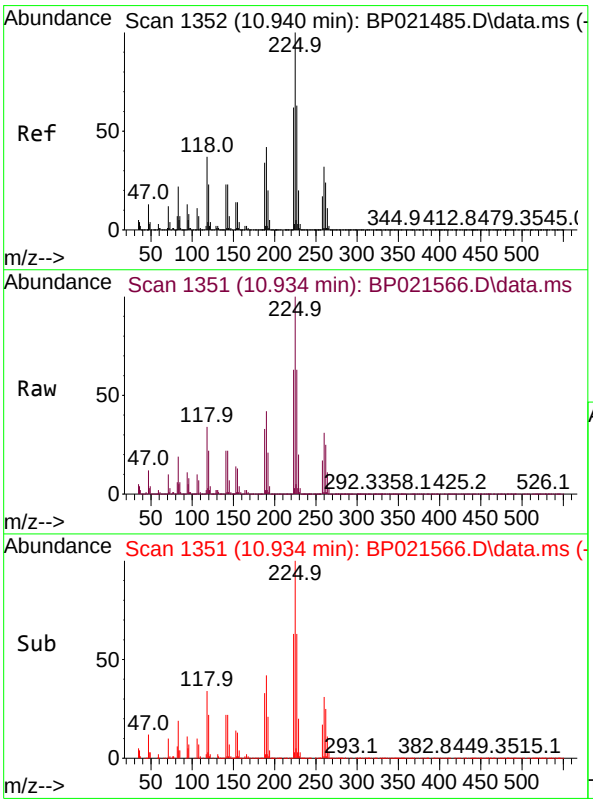
Ion	Ratio	Lower	Upper
127	100		
129	31.7	24.5	36.7
65	31.9	28.9	43.3
92	22.9	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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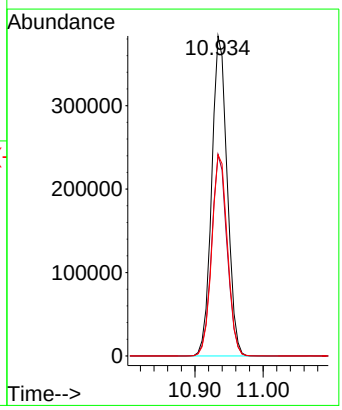
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

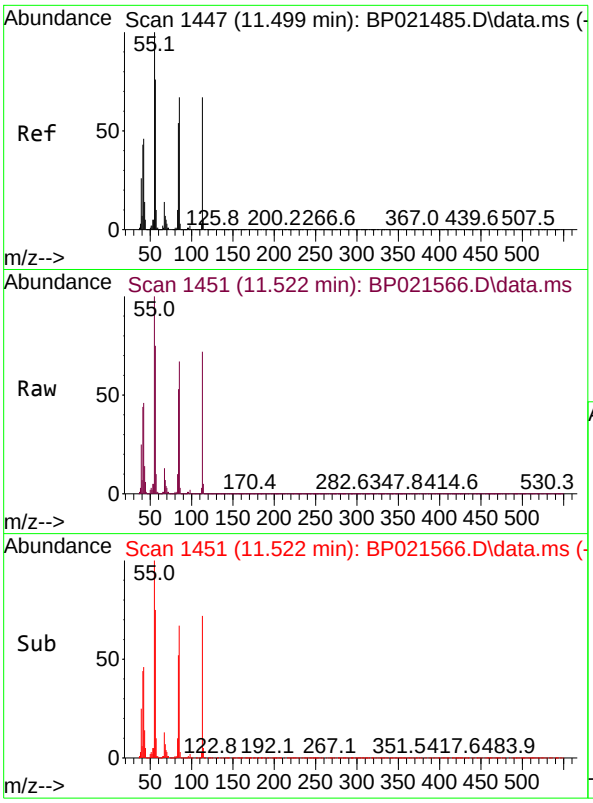


#34
Hexachlorobutadiene
Concen: 38.600 ng
RT: 10.934 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:225 Resp: 604655

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.6	74.4
227	62.9	50.1	75.1





#35
Caprolactam
Concen: 46.800 ng
RT: 11.522 min Scan# 14
Delta R.T. 0.023 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

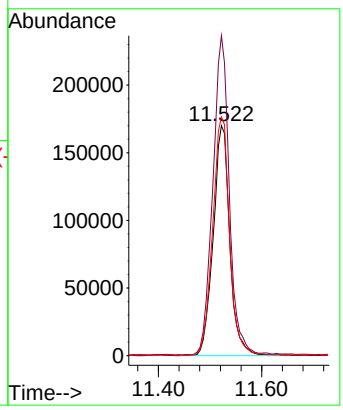
Tgt Ion:113 Resp: 37801

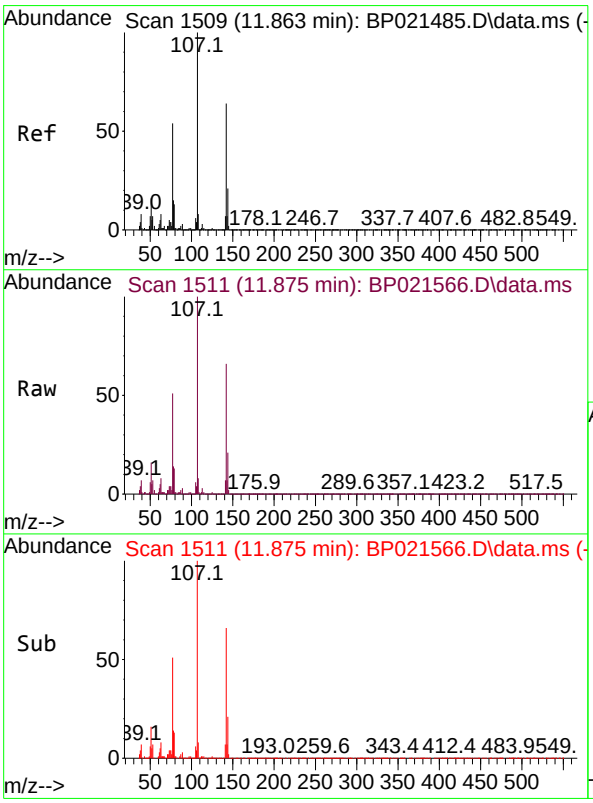
Ion	Ratio	Lower	Upper
113	100		
55	139.1	130.6	170.6
56	103.8	94.6	134.6

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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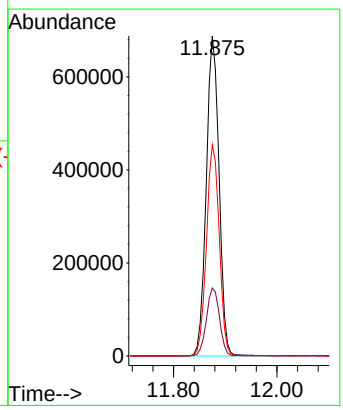


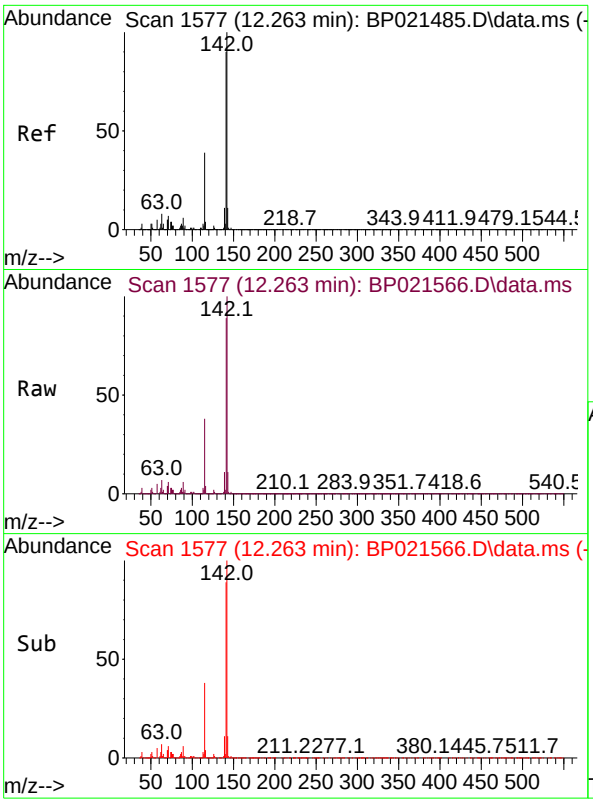


#36
4-Chloro-3-methylphenol
Concen: 43.882 ng
RT: 11.875 min Scan# 1511
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:107 Resp: 1181215

Ion	Ratio	Lower	Upper
107	100		
144	21.3	16.6	24.8
142	66.0	51.0	76.4

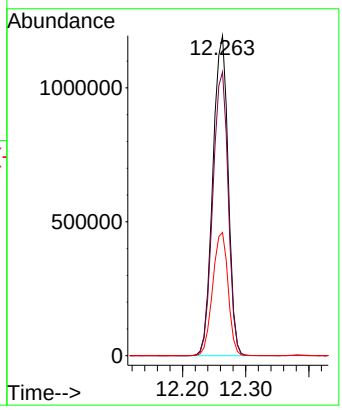




#37
2-Methylnaphthalene
Concen: 38.859 ng
RT: 12.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:142 Resp: 201446

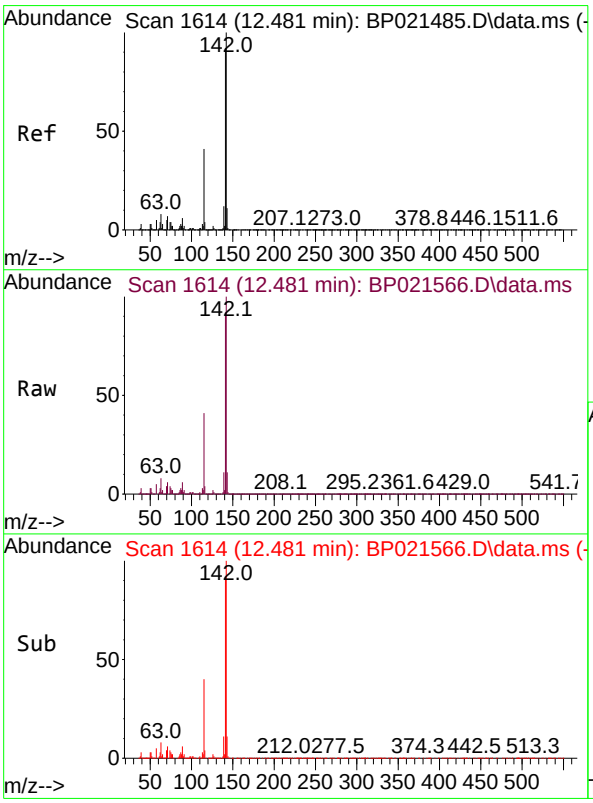
Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.7	107.5
115	38.5	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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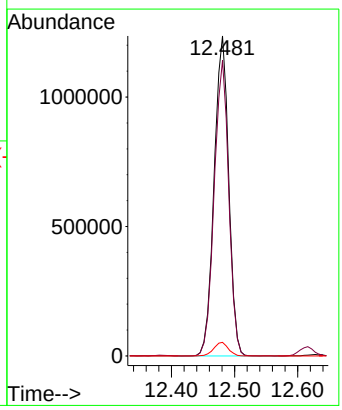
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

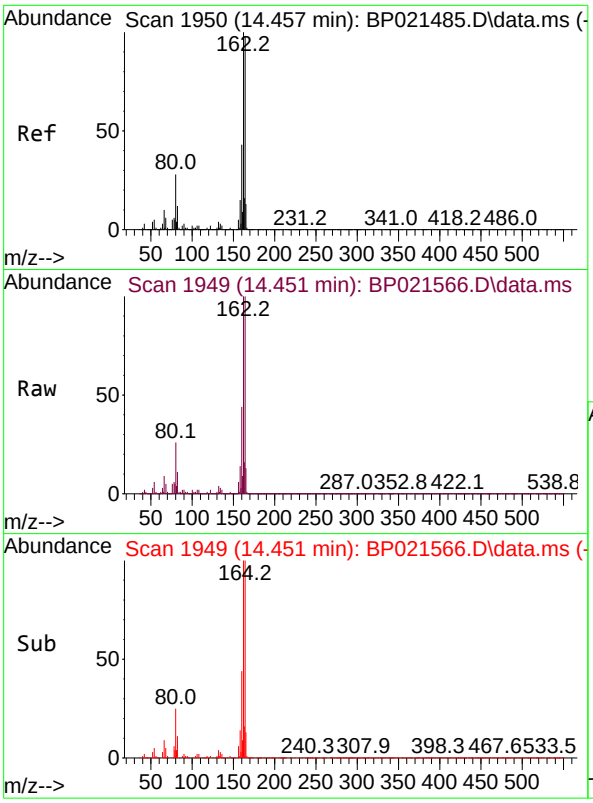


#38
1-Methylnaphthalene
Concen: 38.775 ng
RT: 12.481 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:142 Resp: 1982500

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.5	110.3
116	4.3	3.4	5.2

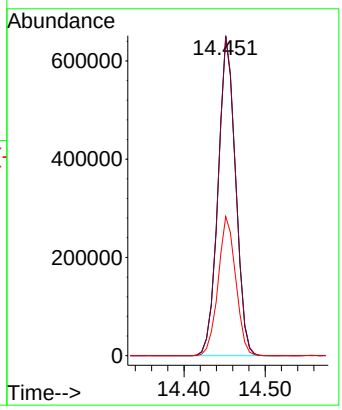




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

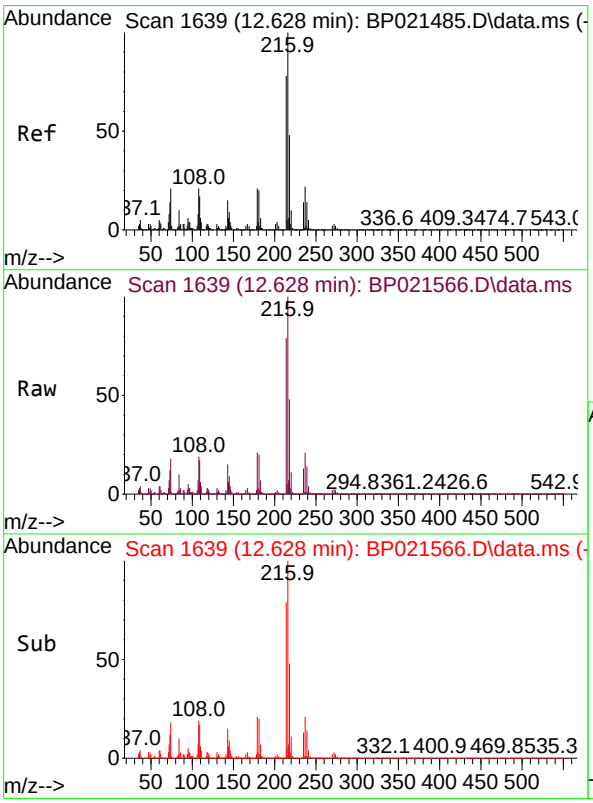
Tgt Ion:164 Resp: 97125

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.5	122.3
160	43.6	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

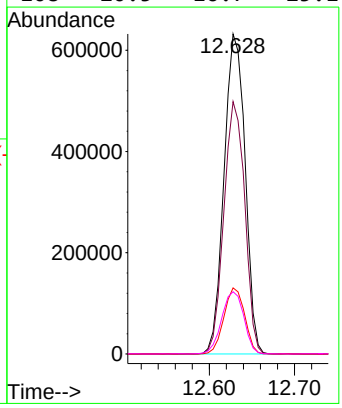
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

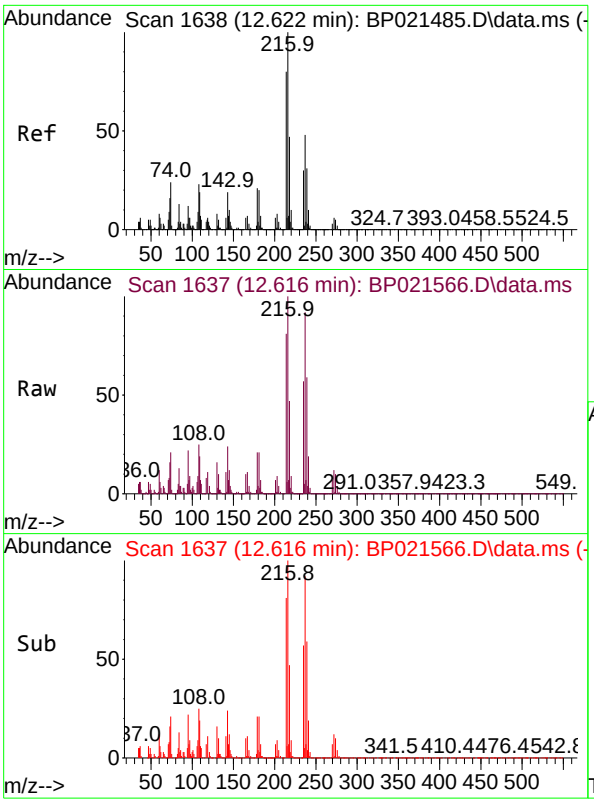


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.147 ng
RT: 12.628 min Scan# 1639
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:216 Resp: 1085575

Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.5	93.7
179	20.3	16.4	24.6
108	20.5	16.7	25.1

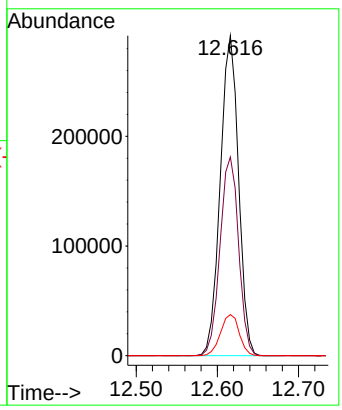




#41
Hexachlorocyclopentadiene
Concen: 50.596 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:237 Resp: 45633

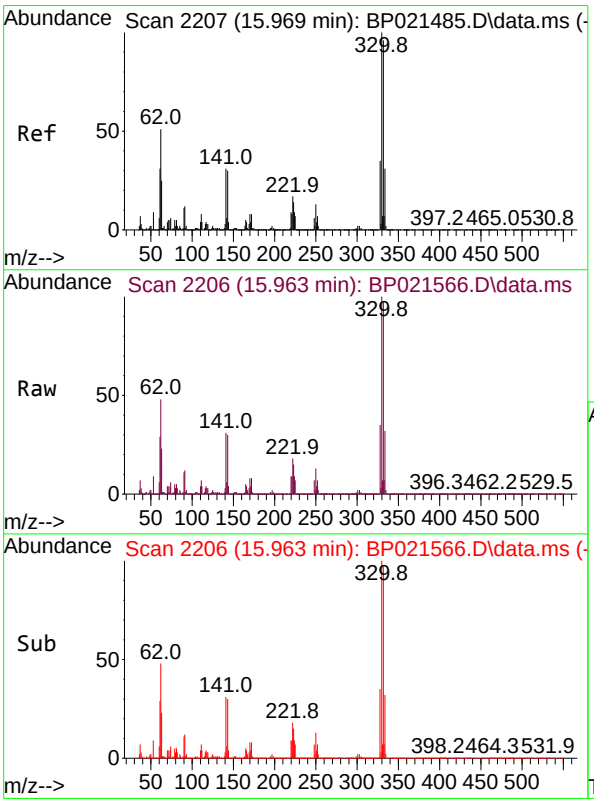
Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.9	83.9
272	12.8	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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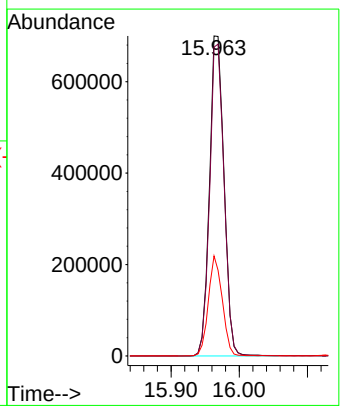
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

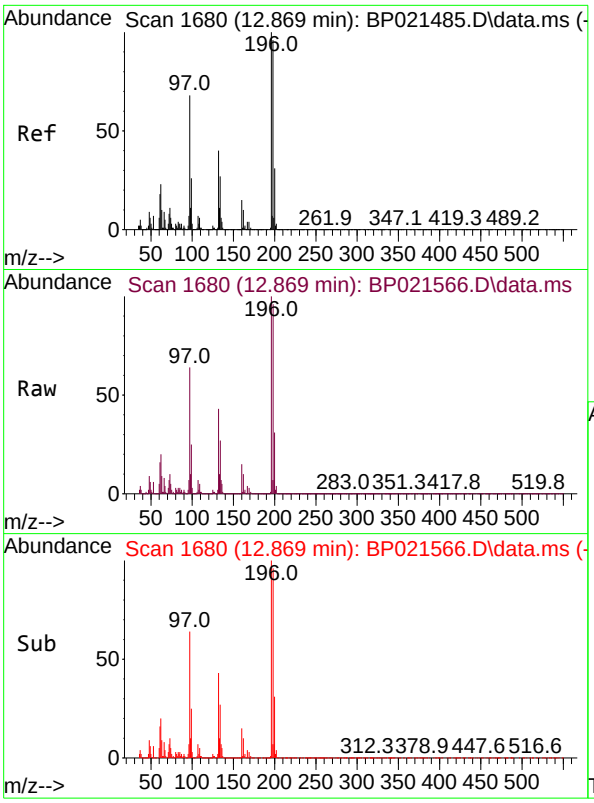


#42
2,4,6-Tribromophenol
Concen: 95.950 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:330 Resp: 1037187

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.0
141	29.9	24.5	36.7

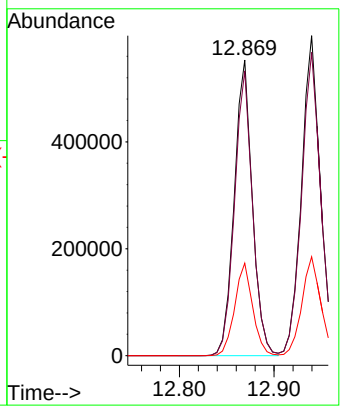




#43
2,4,6-Trichlorophenol
Concen: 46.468 ng
RT: 12.869 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

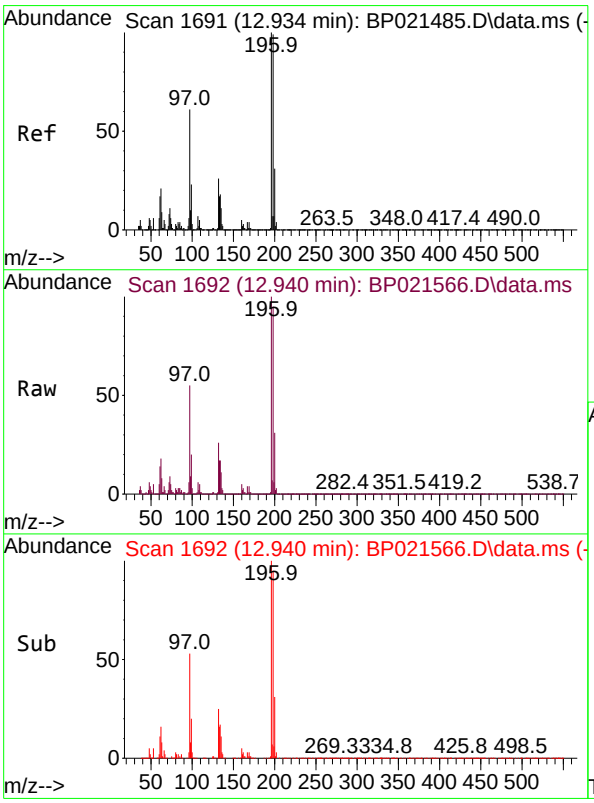
Tgt Ion:196 Resp: 73455

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.6	114.8
200	31.3	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

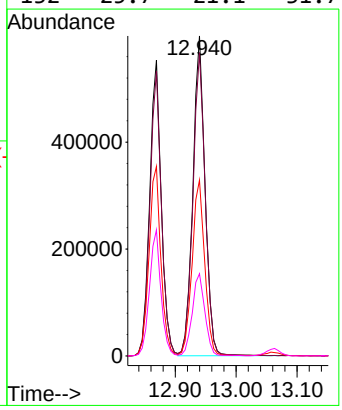
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

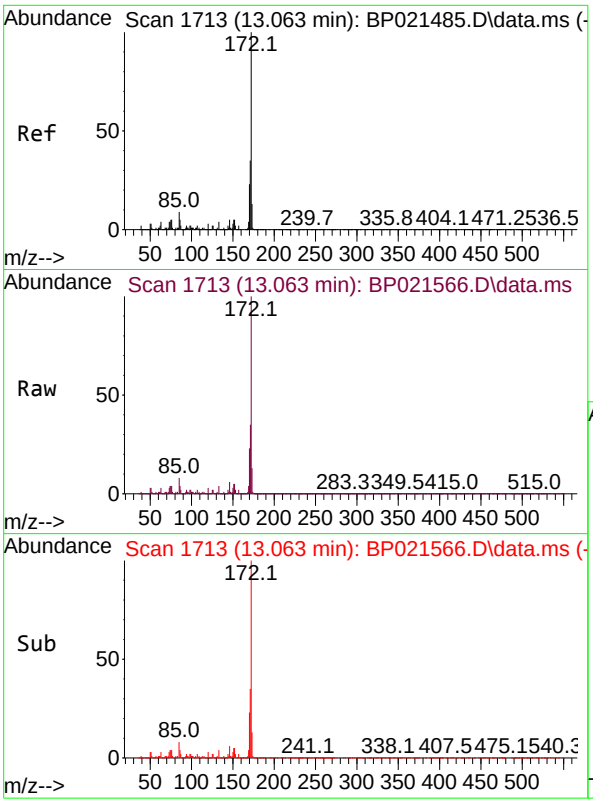


#44
2,4,5-Trichlorophenol
Concen: 47.232 ng
RT: 12.940 min Scan# 1692
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:196 Resp: 829555

Ion	Ratio	Lower	Upper
196	100		
198	94.8	78.9	118.3
97	54.9	49.4	74.0
132	25.7	21.1	31.7

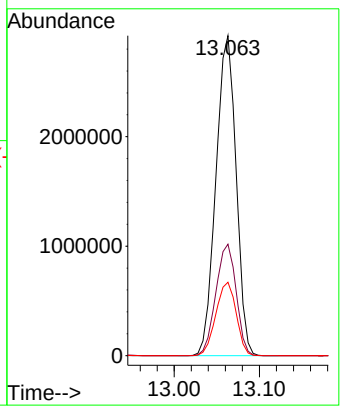




#45
2-Fluorobiphenyl
Concen: 75.740 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:172 Resp: 482014

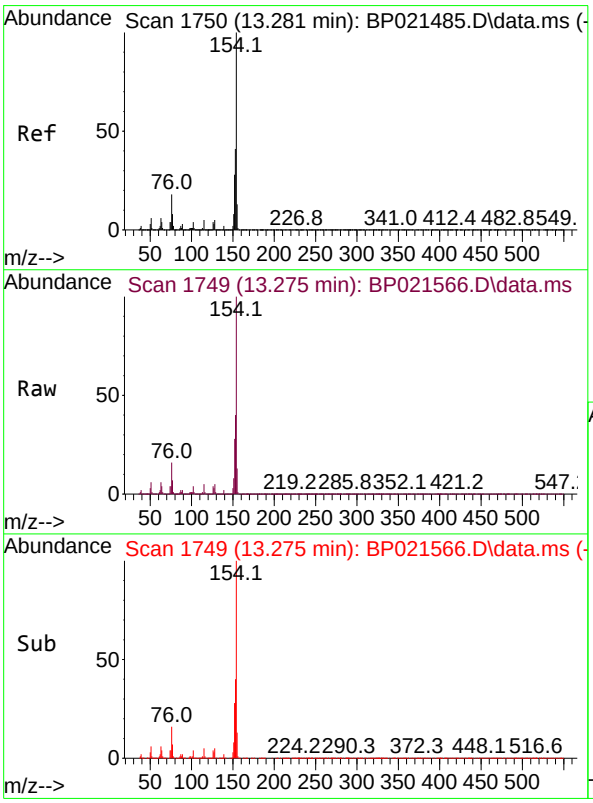
Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.4
170	23.0	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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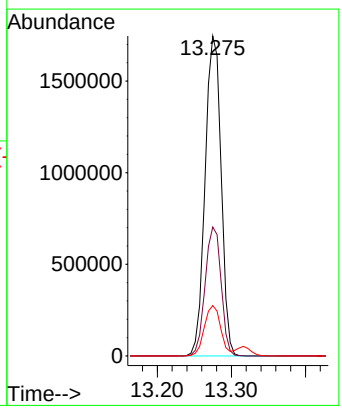
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

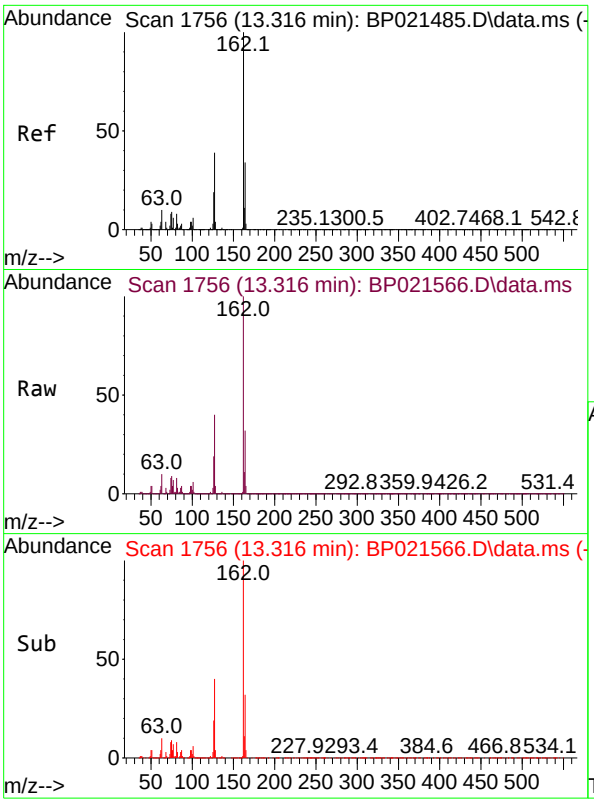


#46
1,1'-Biphenyl
Concen: 38.080 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:154 Resp: 2616716

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	15.8	0.0	37.7

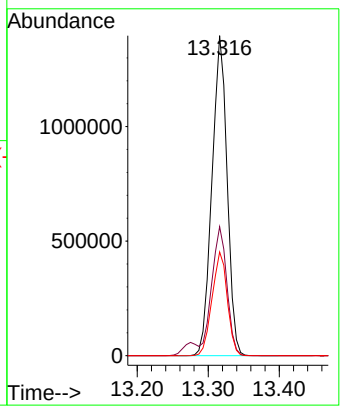




#47
2-Chloronaphthalene
Concen: 38.599 ng
RT: 13.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:162 Resp: 206500

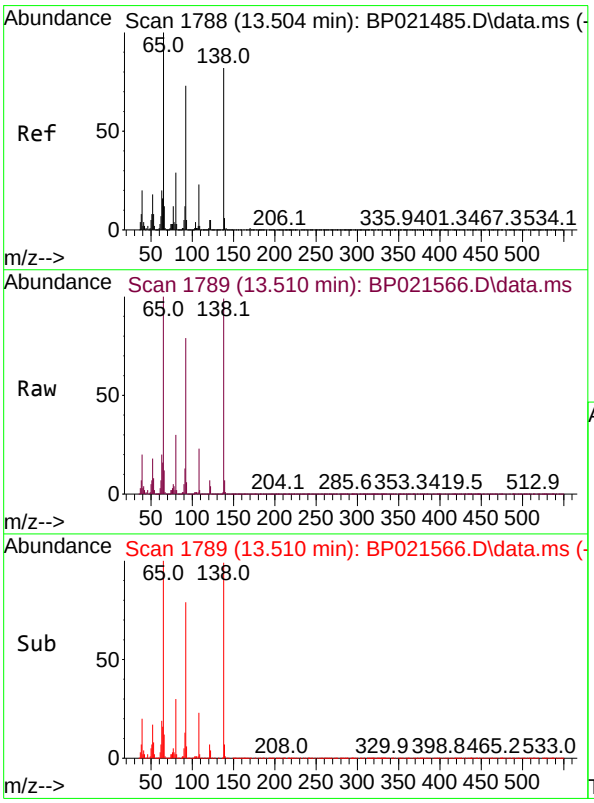
Ion	Ratio	Lower	Upper
162	100		
127	40.3	31.9	47.9
164	32.4	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

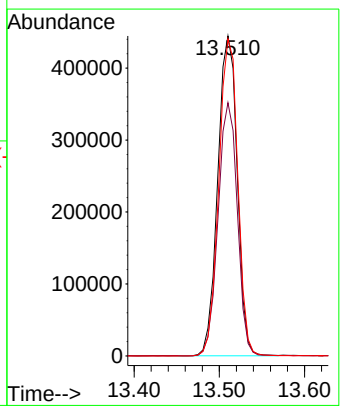
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

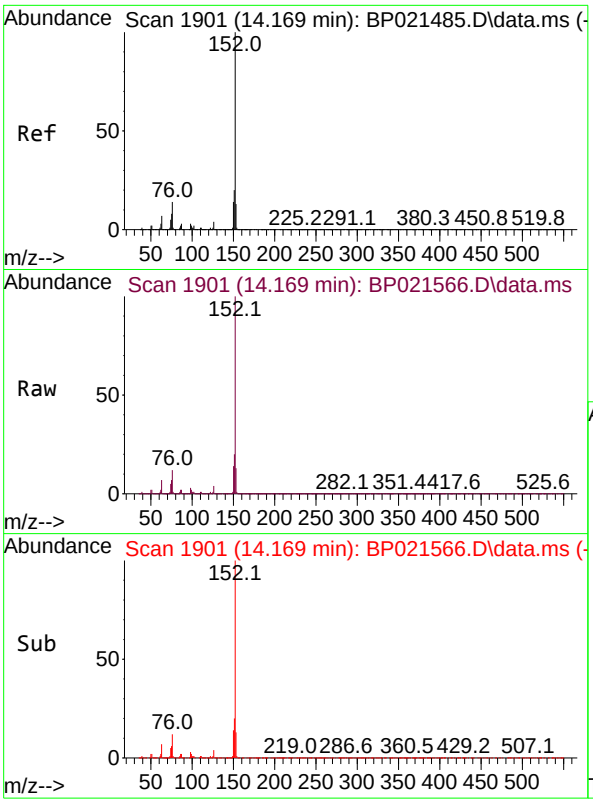


#48
2-Nitroaniline
Concen: 47.106 ng
RT: 13.510 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion: 65 Resp: 704708

Ion	Ratio	Lower	Upper
65	100		
92	79.2	58.1	87.1
138	99.1	65.5	98.3#

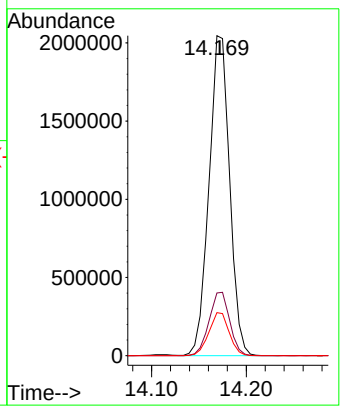




#49
Acenaphthylene
Concen: 39.251 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:152 Resp: 308691

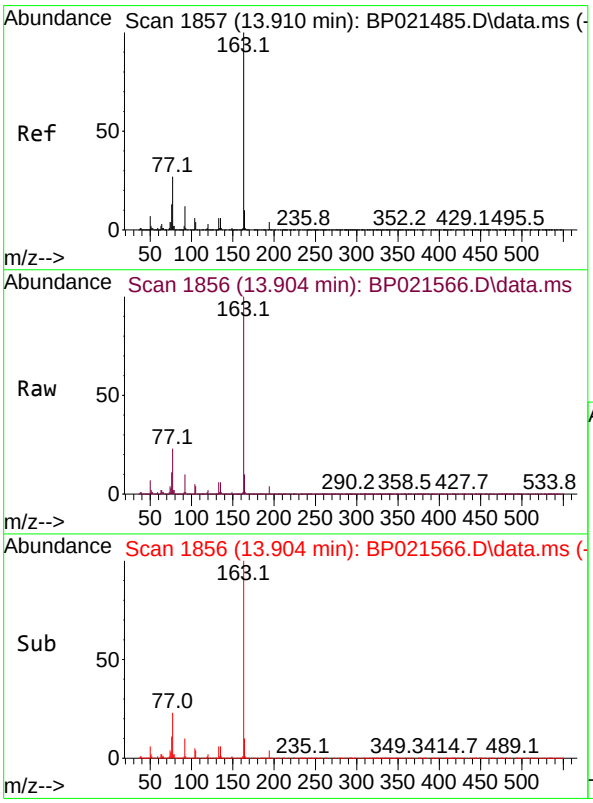
Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	13.5	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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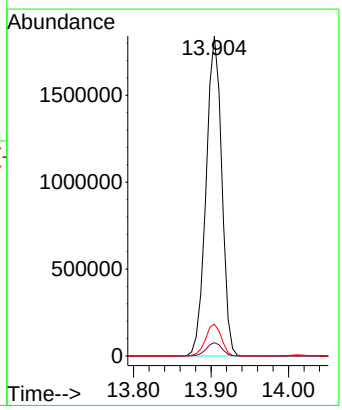
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

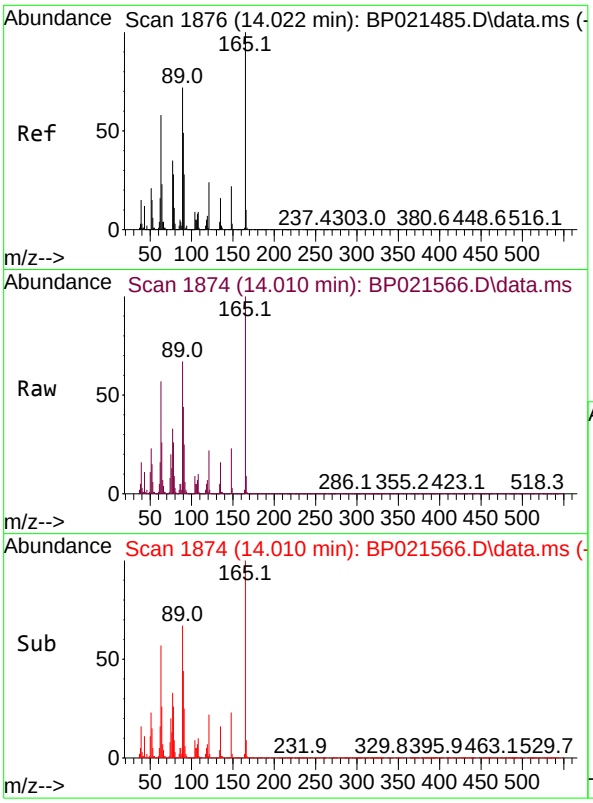


#50
Dimethylphthalate
Concen: 39.669 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:163 Resp: 2580187

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 45.498 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

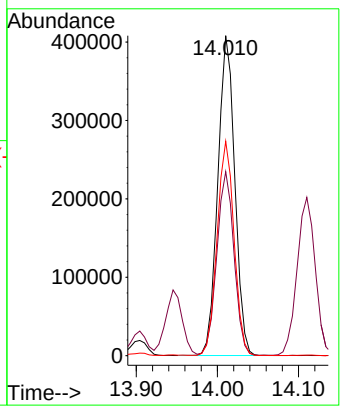
Tgt Ion:165 Resp: 59406

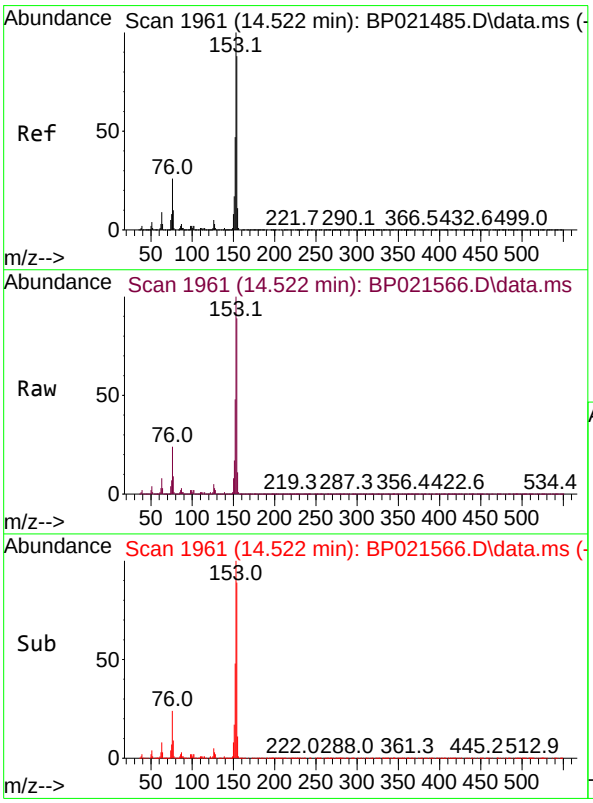
Ion	Ratio	Lower	Upper
165	100		
63	57.5	51.5	77.3
89	67.0	57.8	86.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

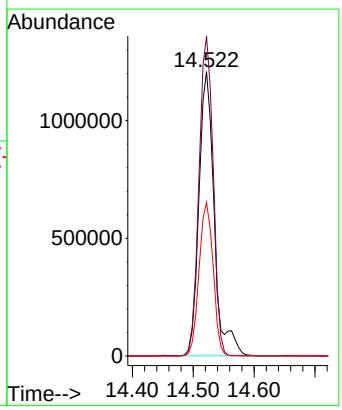


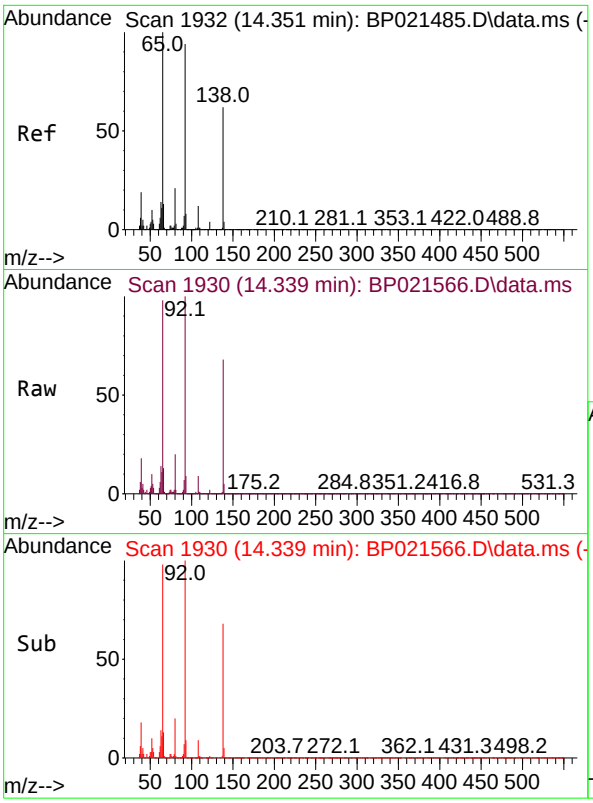


#52
Acenaphthene
Concen: 40.738 ng
RT: 14.522 min Scan# 1961
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:154 Resp: 2102181

Ion	Ratio	Lower	Upper
154	100		
153	112.5	91.1	136.7
152	54.1	43.0	64.4

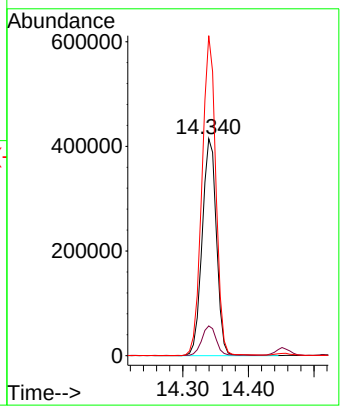




#53
3-Nitroaniline
Concen: 48.589 ng
RT: 14.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:138 Resp: 62749

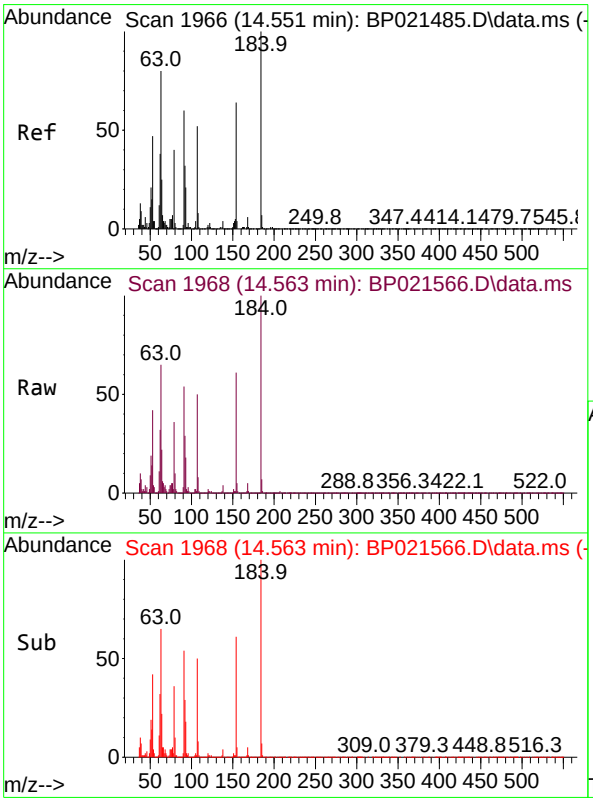
Ion	Ratio	Lower	Upper
138	100		
108	13.7	16.2	24.4
92	147.5	122.2	183.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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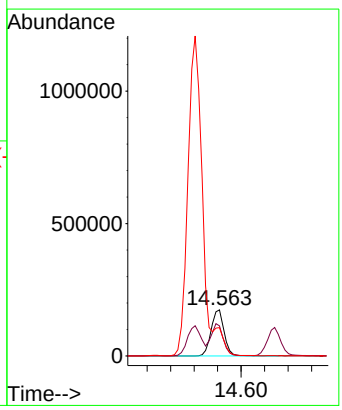
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

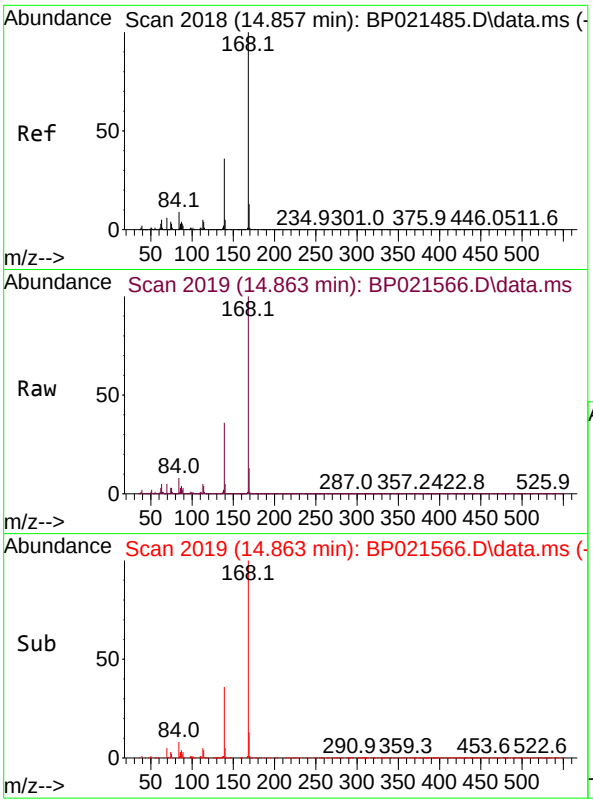


#54
2,4-Dinitrophenol
Concen: 65.093 ng
RT: 14.563 min Scan# 1968
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:184 Resp: 267685

Ion	Ratio	Lower	Upper
184	100		
63	65.1	64.9	97.3
154	61.3	52.1	78.1

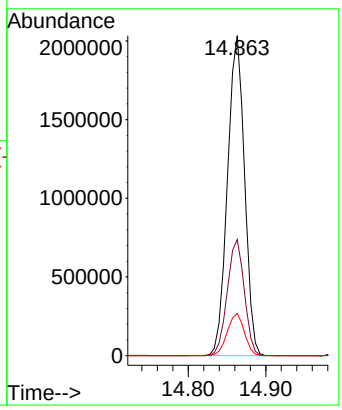




#55
Dibenzofuran
Concen: 39.211 ng
RT: 14.863 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:168 Resp: 311257

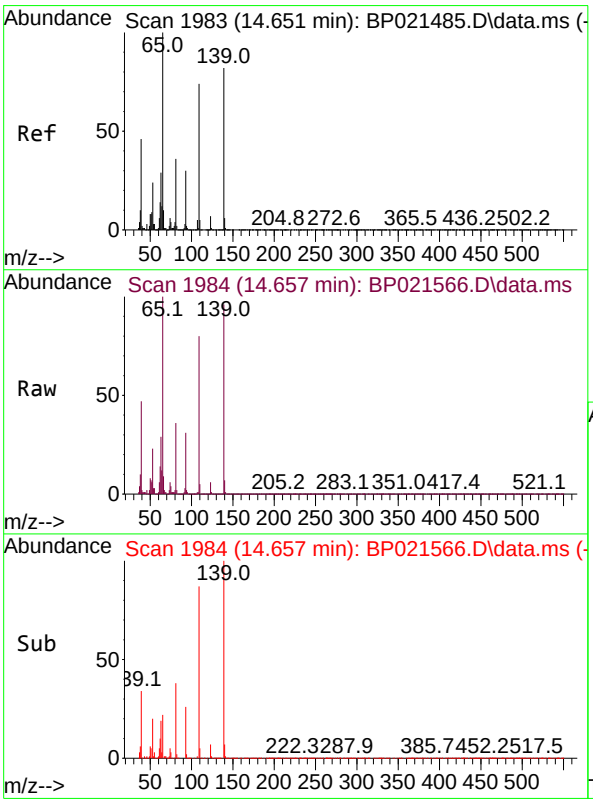
Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.6	43.0
169	13.2	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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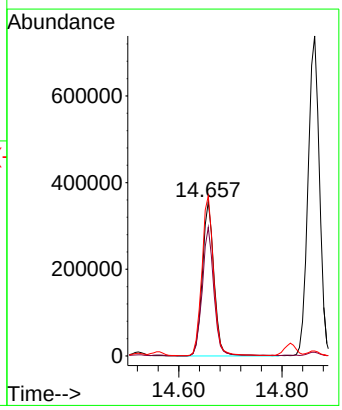
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

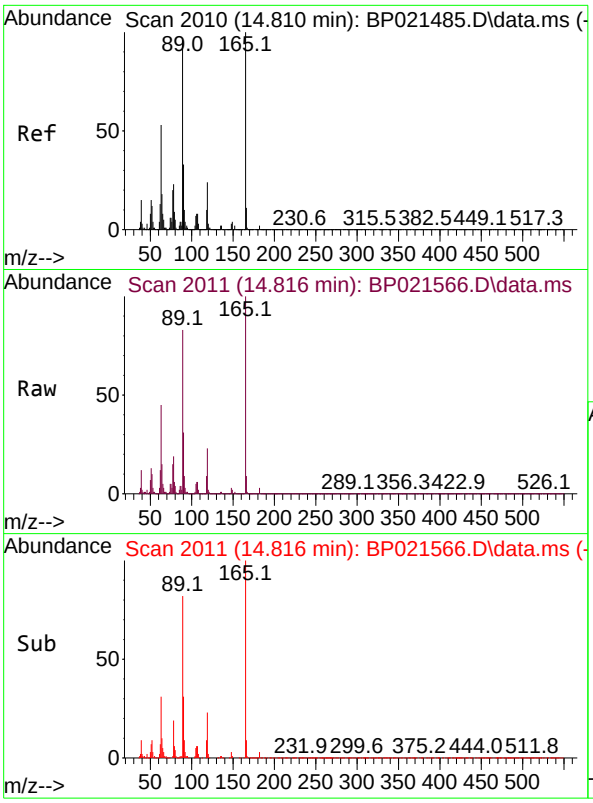


#56
4-Nitrophenol
Concen: 53.424 ng
RT: 14.657 min Scan# 1984
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:139 Resp: 556879

Ion	Ratio	Lower	Upper
139	100		
109	83.4	70.2	110.2
65	103.7	101.8	141.8

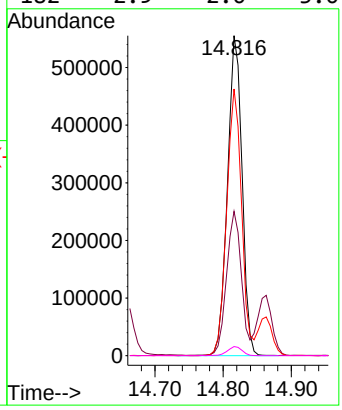




#57
2,4-Dinitrotoluene
Concen: 49.320 ng
RT: 14.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

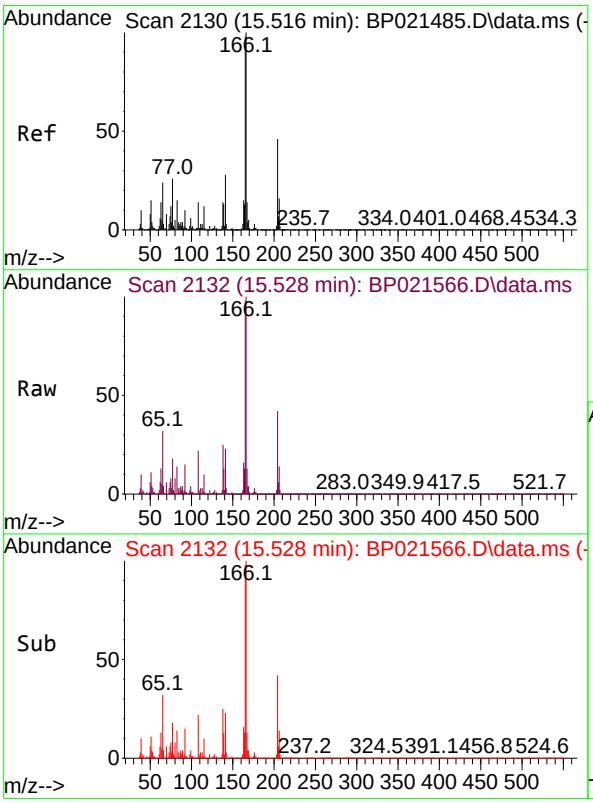
Tgt Ion:165 Resp: 82571

Ion	Ratio	Lower	Upper
165	100		
63	45.1	42.5	63.7
89	83.3	77.1	115.7
182	2.9	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

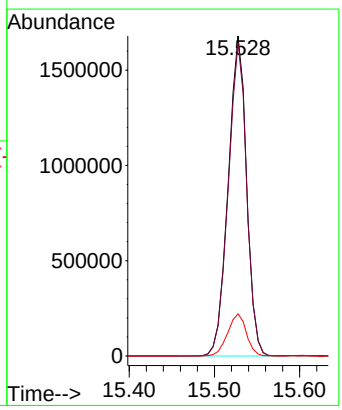
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

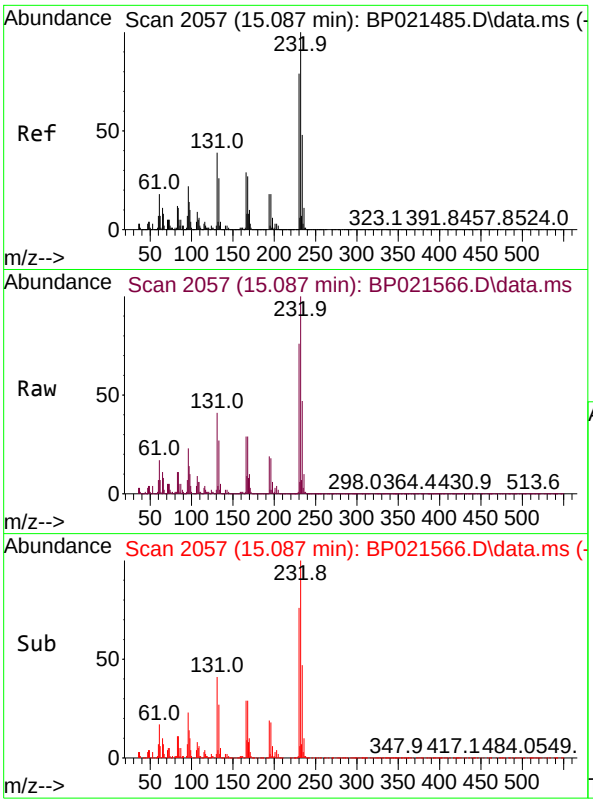


#58
Fluorene
Concen: 38.542 ng
RT: 15.528 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:166 Resp: 2513424

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.1	117.1
167	13.1	11.0	16.4

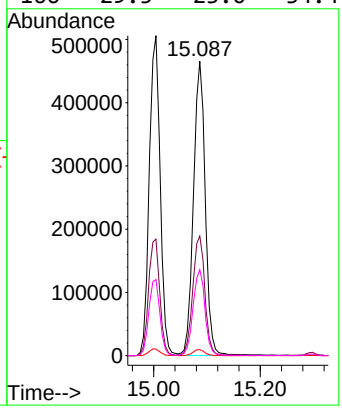




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.067 ng
RT: 15.087 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:232 Resp: 71655

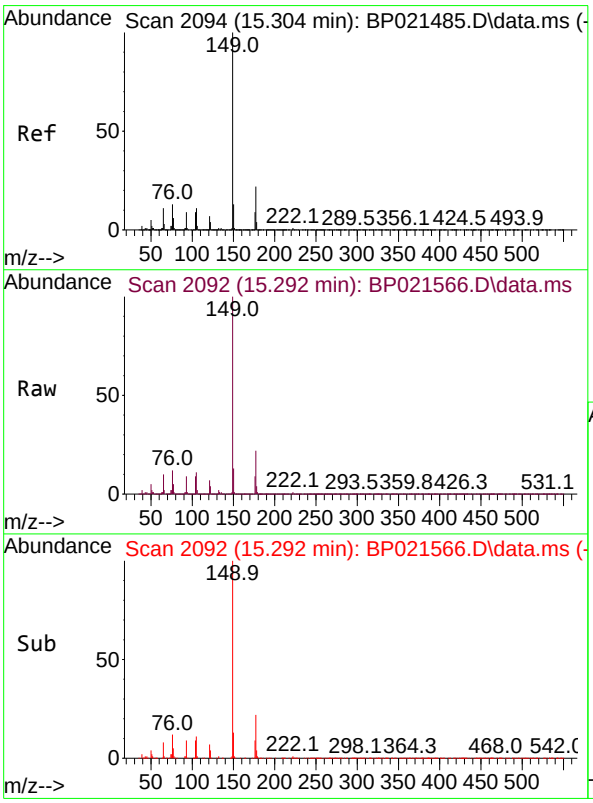
Ion	Ratio	Lower	Upper
232	100		
131	41.5	33.1	49.7
130	2.1	1.7	2.5
166	29.5	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

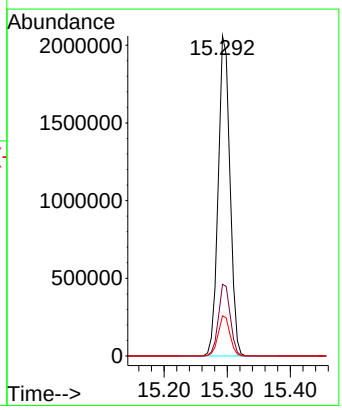
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

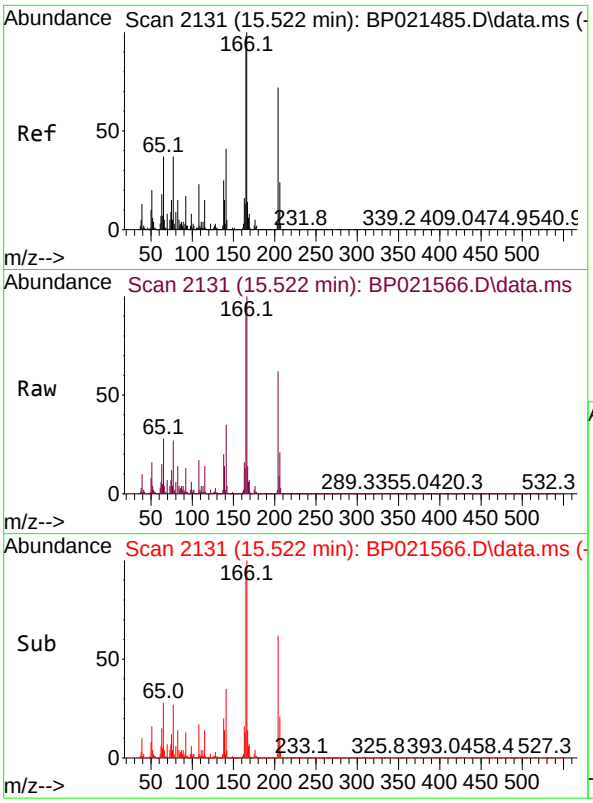


#60
Diethylphthalate
Concen: 39.800 ng
RT: 15.292 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:149 Resp: 2656153

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.8	26.8
150	12.6	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 37.093 ng
RT: 15.522 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

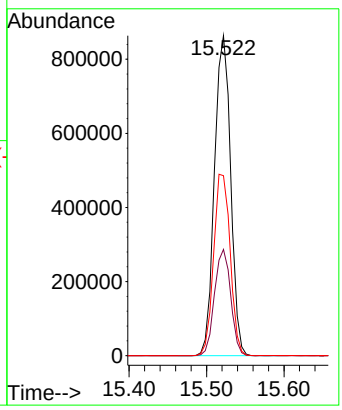
Tgt Ion:204 Resp: 125036

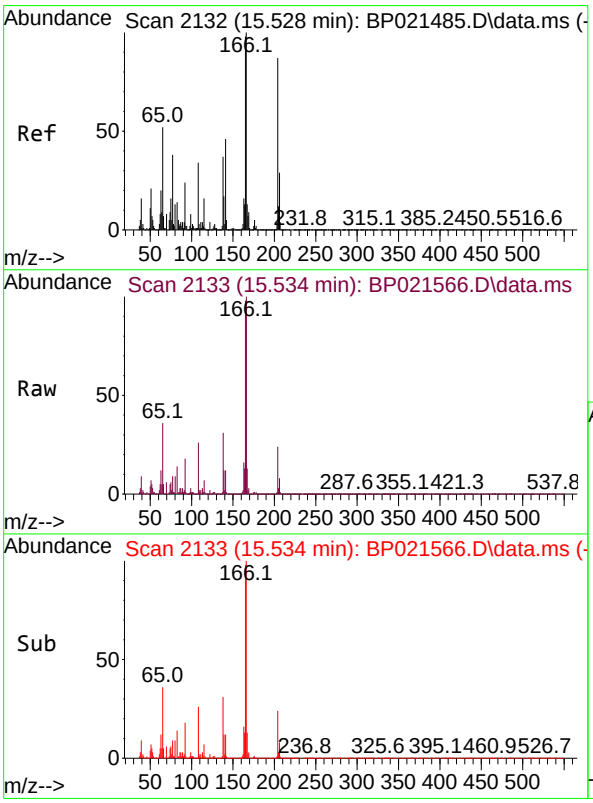
Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.4	39.6
141	56.2	46.1	69.1

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

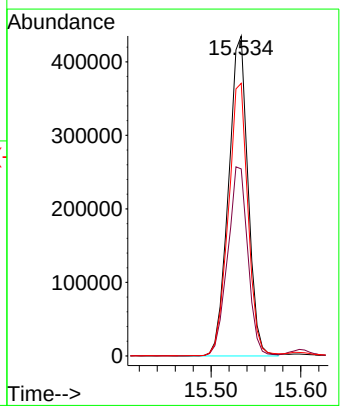


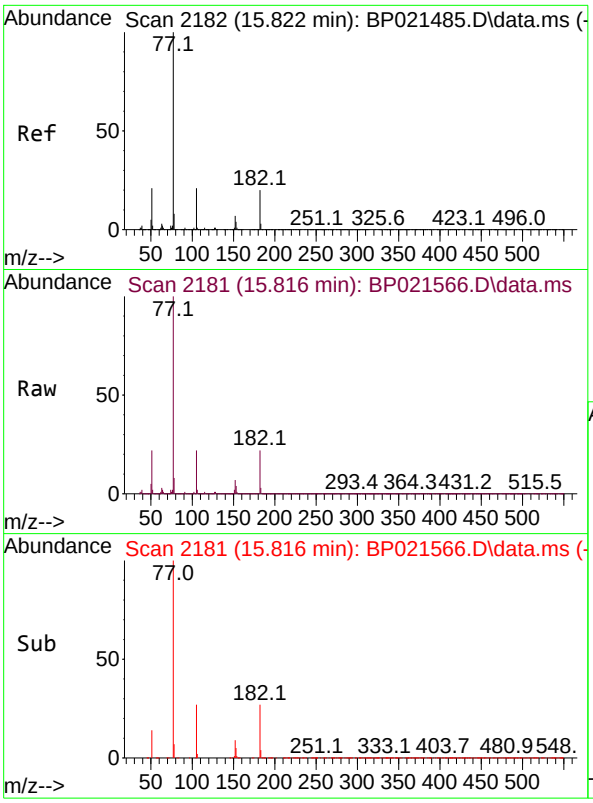


#62
4-Nitroaniline
Concen: 49.265 ng
RT: 15.534 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:138 Resp: 654363

Ion	Ratio	Lower	Upper
138	100		
92	58.4	46.4	86.4
108	85.2	73.2	113.2

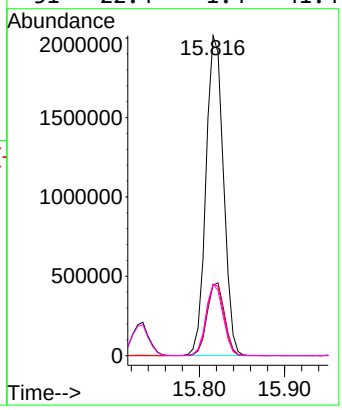




#63
Azobenzene
Concen: 34.913 ng
RT: 15.816 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion: 77 Resp: 286410

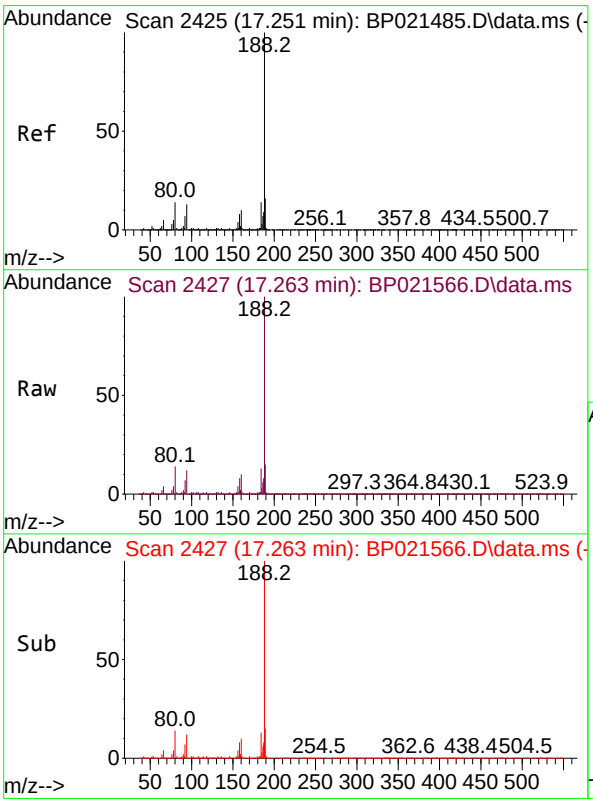
Ion	Ratio	Lower	Upper
77	100		
182	22.0	0.0	39.9
105	22.3	0.9	40.9
51	22.4	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

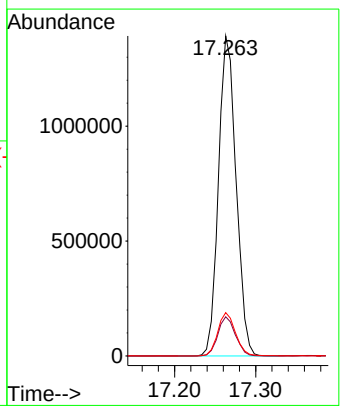
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

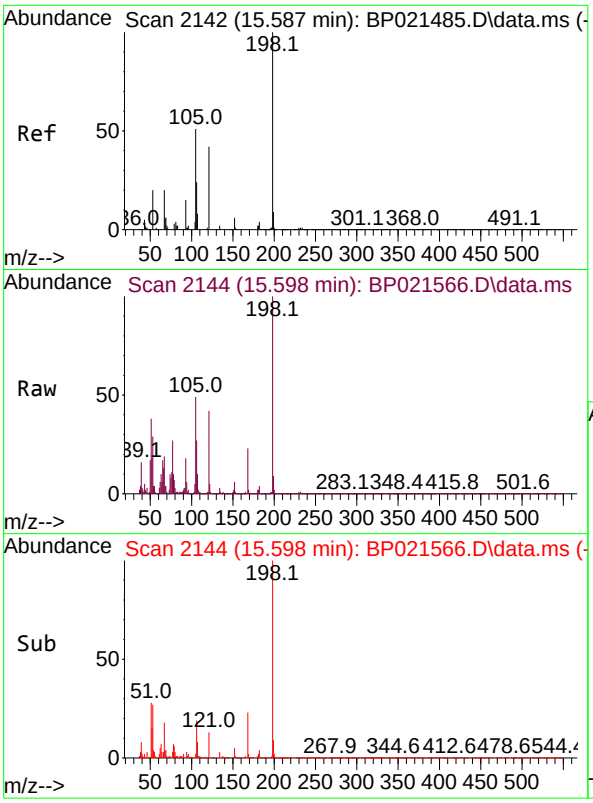


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.263 min Scan# 2427
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:188 Resp: 2102943

Ion	Ratio	Lower	Upper
188	100		
94	12.3	10.2	15.4
80	13.5	11.6	17.4

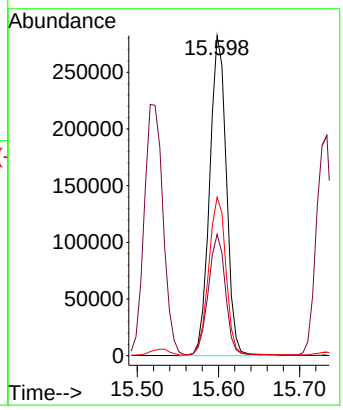




#65
4,6-Dinitro-2-methylphenol
Concen: 58.939 ng
RT: 15.598 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:198 Resp: 40357

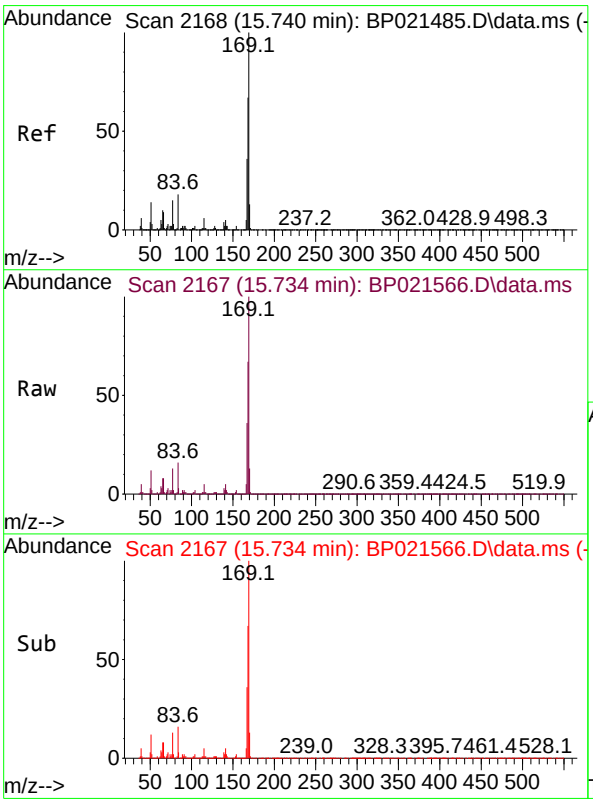
Ion	Ratio	Lower	Upper
198	100		
51	37.9	21.5	61.5
105	49.5	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

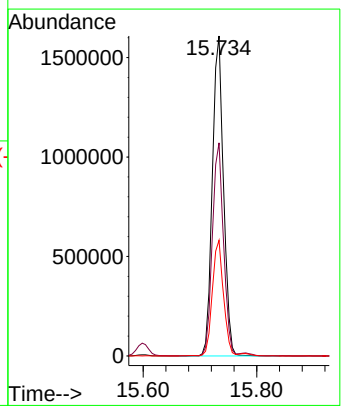
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

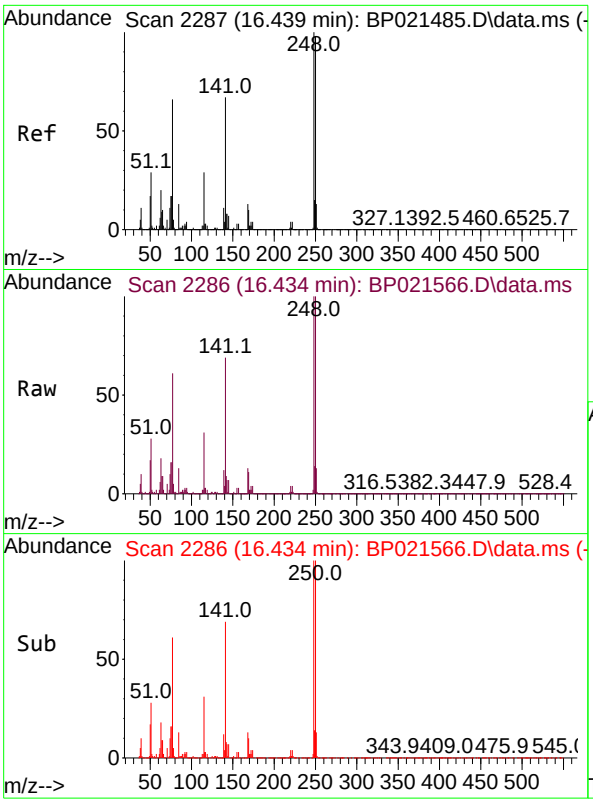


#66
n-Nitrosodiphenylamine
Concen: 38.672 ng
RT: 15.734 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:169 Resp: 2179381

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.4	80.2
167	36.2	28.7	43.1

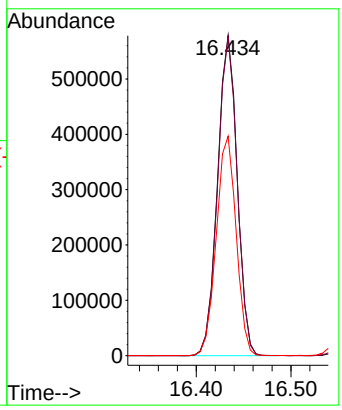




#67
4-Bromophenyl-phenylether
Concen: 37.531 ng
RT: 16.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:248 Resp: 83531(

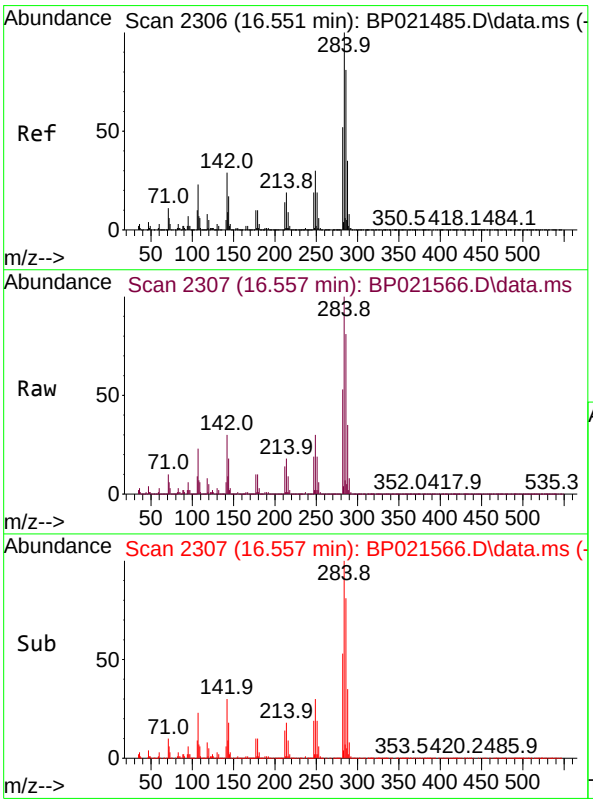
Ion	Ratio	Lower	Upper
248	100		
250	99.6	78.6	117.8
141	68.6	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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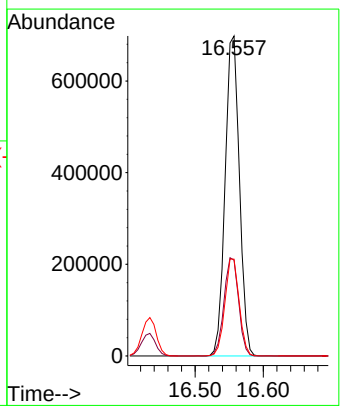
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

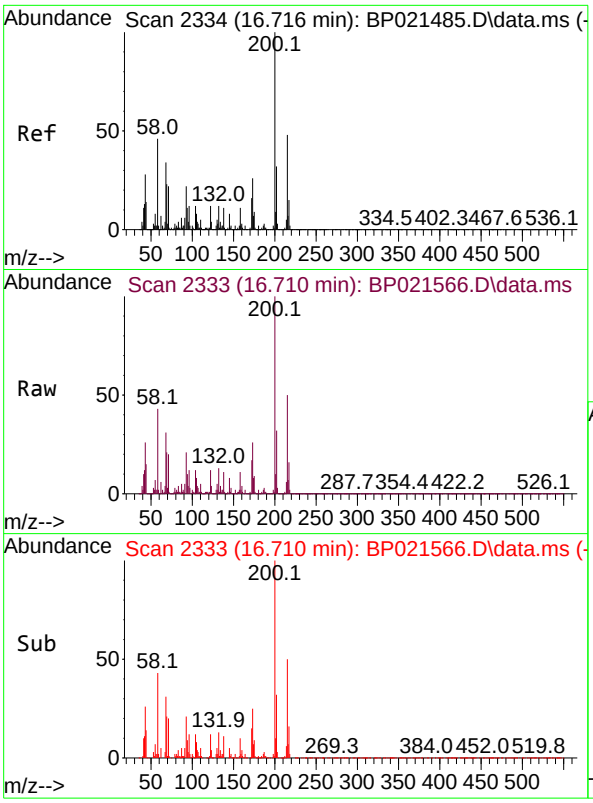


#68
Hexachlorobenzene
Concen: 38.748 ng
RT: 16.557 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:284 Resp: 1019155

Ion	Ratio	Lower	Upper
284	100		
142	29.9	23.4	35.2
249	30.2	24.1	36.1

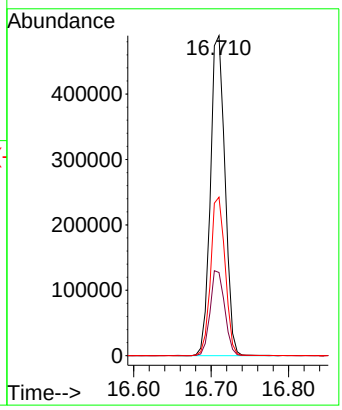




#69
Atrazine
Concen: 33.020 ng
RT: 16.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:200 Resp: 63890

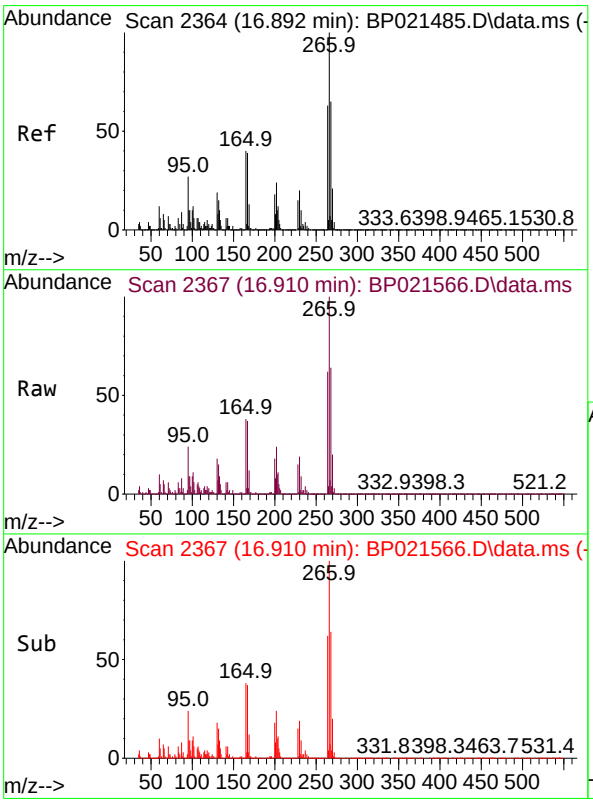
Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.2	46.2
215	49.6	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

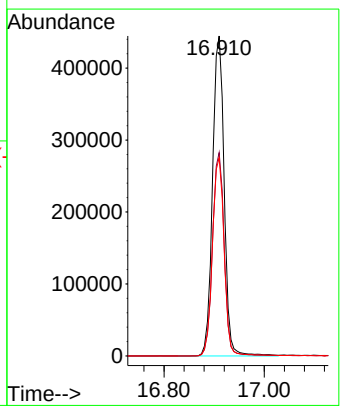
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

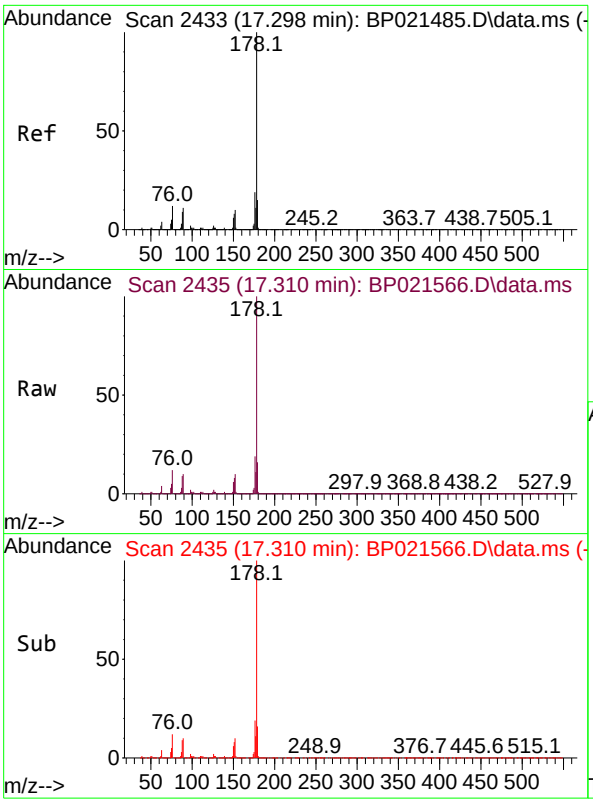


#70
Pentachlorophenol
Concen: 49.739 ng
RT: 16.910 min Scan# 2367
Delta R.T. 0.018 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:266 Resp: 714044

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.8	77.6
264	61.9	50.5	75.7

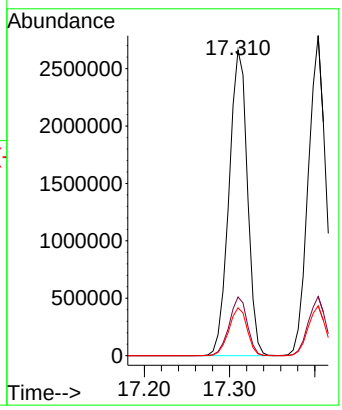




#71
Phenanthrene
Concen: 39.548 ng
RT: 17.310 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:178 Resp: 399969

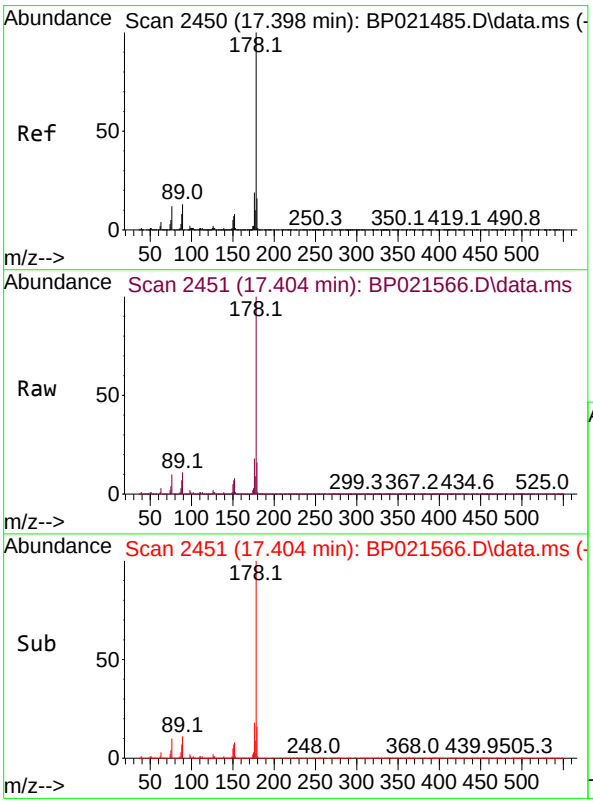
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.7	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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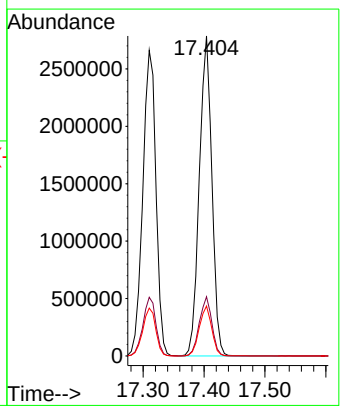
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

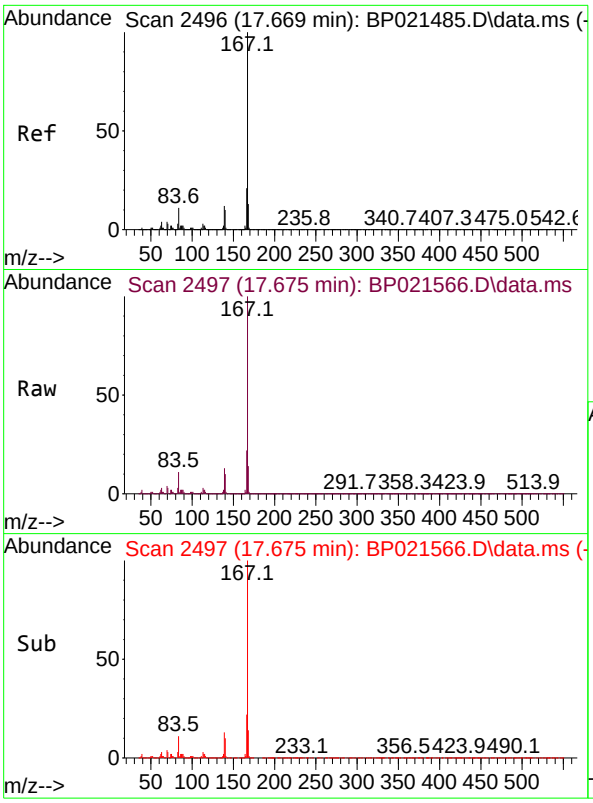


#72
Anthracene
Concen: 40.140 ng
RT: 17.404 min Scan# 2451
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:178 Resp: 3981334

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.6	12.5	18.7

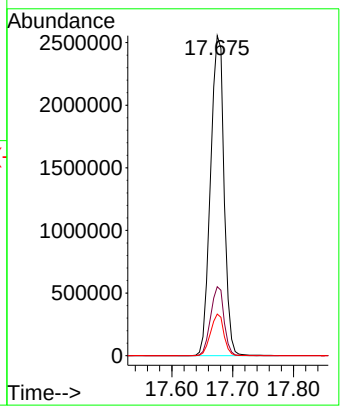




#73
Carbazole
Concen: 41.294 ng
RT: 17.675 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:167 Resp: 394715

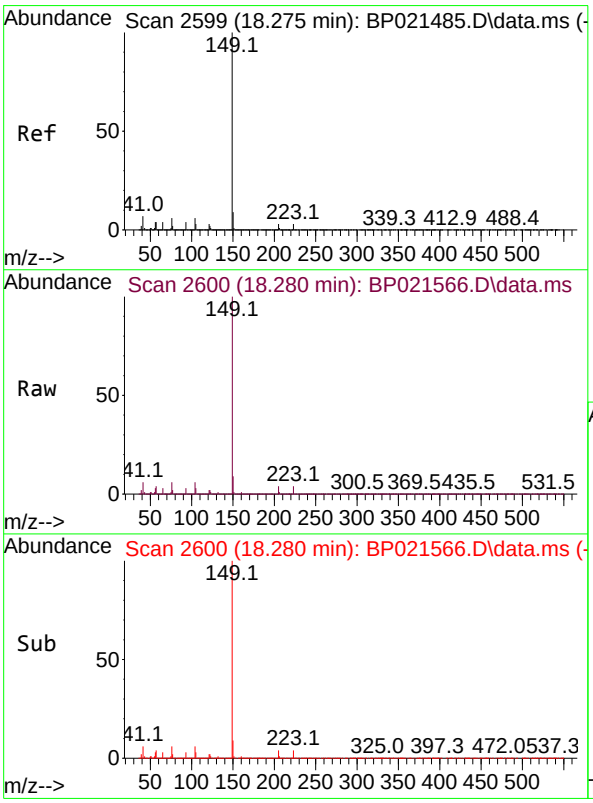
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.4
139	13.0	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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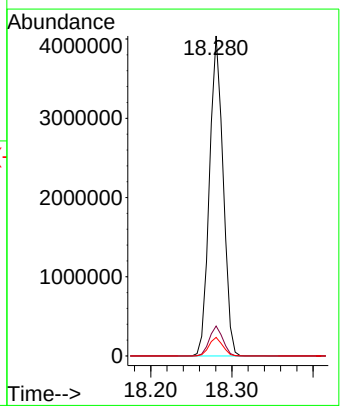
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

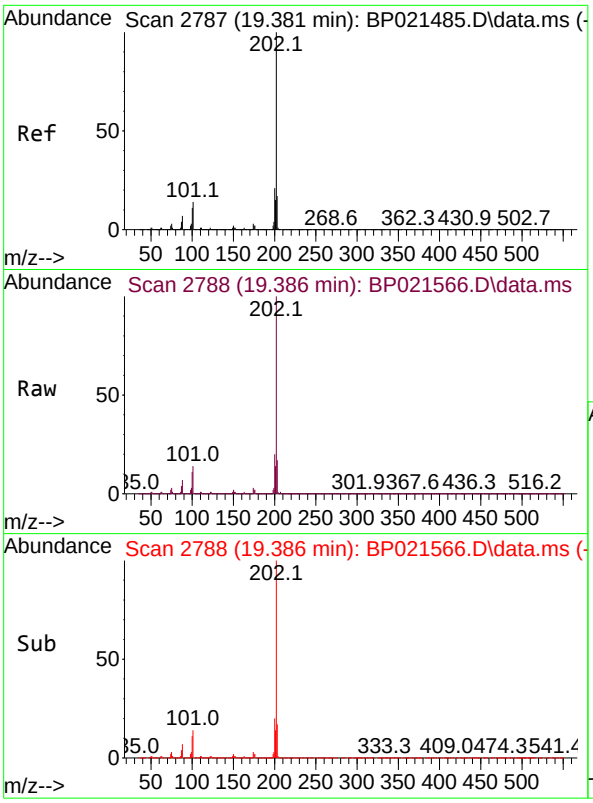


#74
Di-n-butylphthalate
Concen: 40.166 ng
RT: 18.280 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:149 Resp: 4715211

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	5.8	4.9	7.3





#75
Fluoranthene
Concen: 41.572 ng
RT: 19.386 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

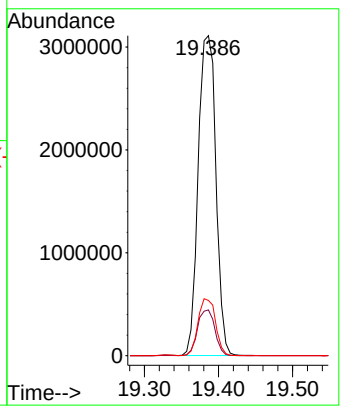
Tgt Ion:202 Resp: 515875

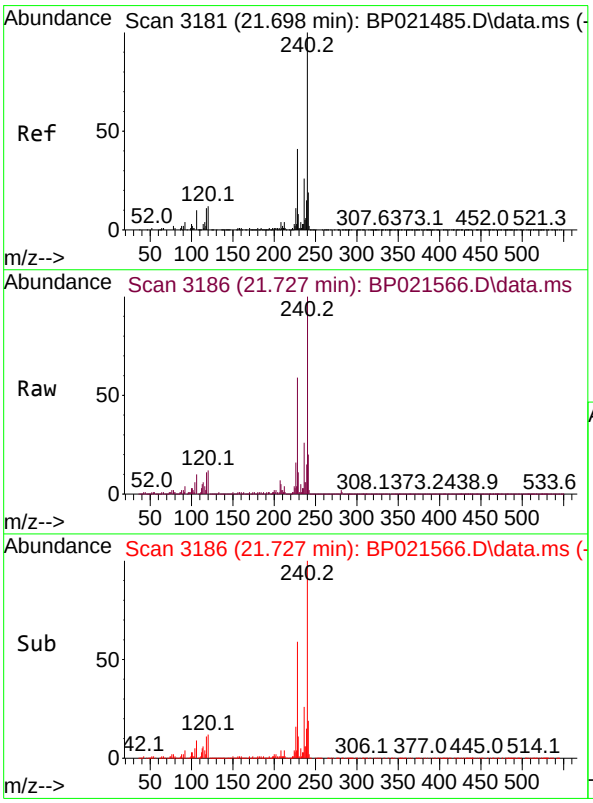
Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	34.0
203	17.2	0.0	37.5

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

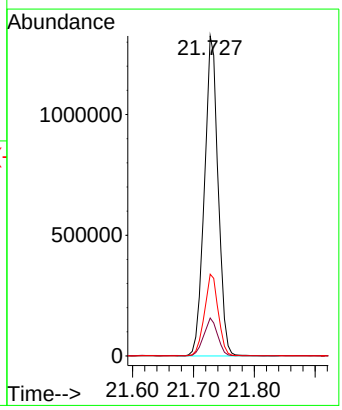


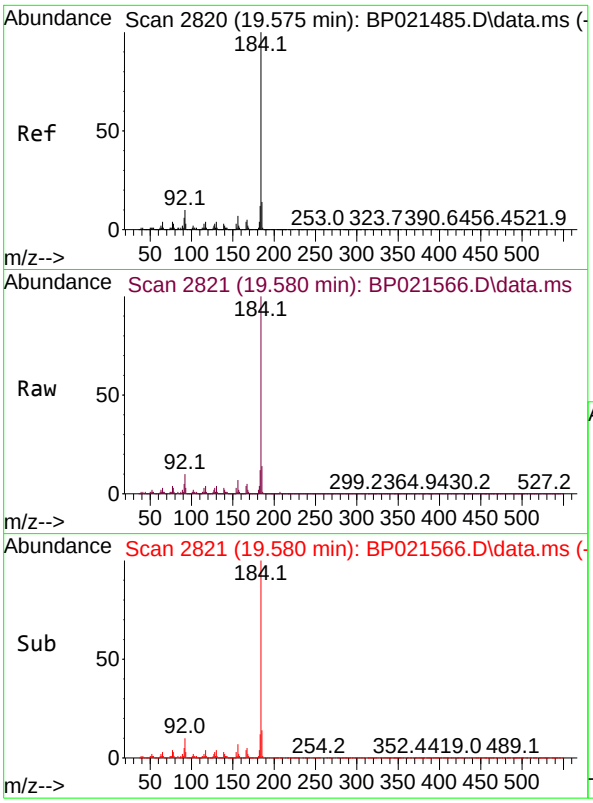


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.727 min Scan# 3186
Delta R.T. 0.029 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:240 Resp: 2067038

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.9	14.9
236	25.5	20.6	30.8





#77
Benzidine
Concen: 43.787 ng
RT: 19.580 min Scan# 2
Delta R.T. 0.005 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

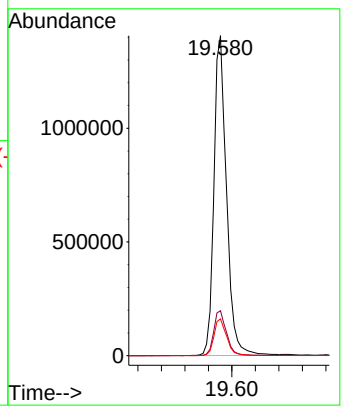
Tgt Ion:184 Resp: 209225

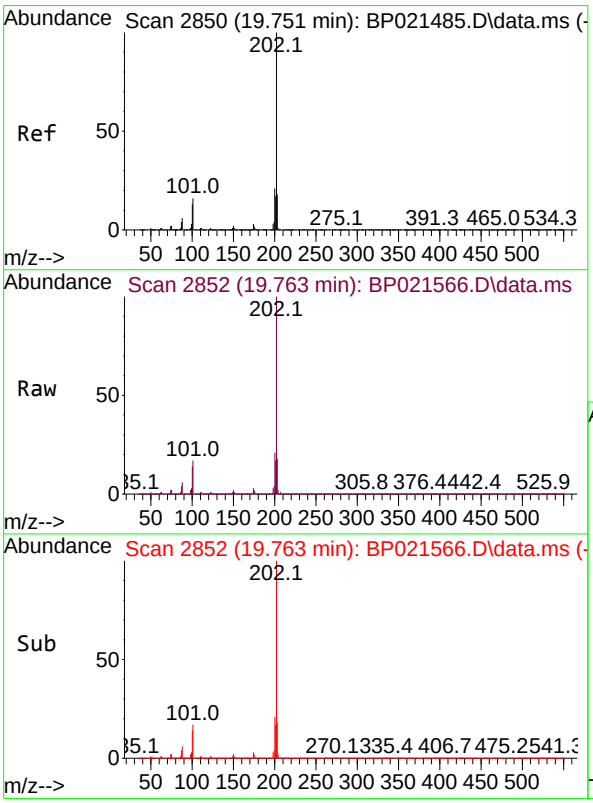
Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.4	17.0
183	11.5	9.3	13.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

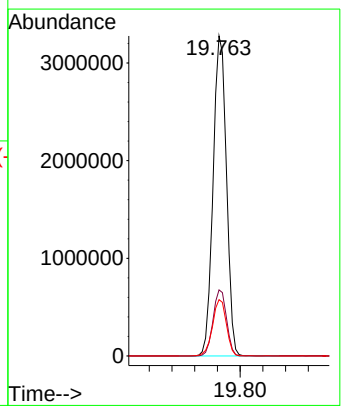


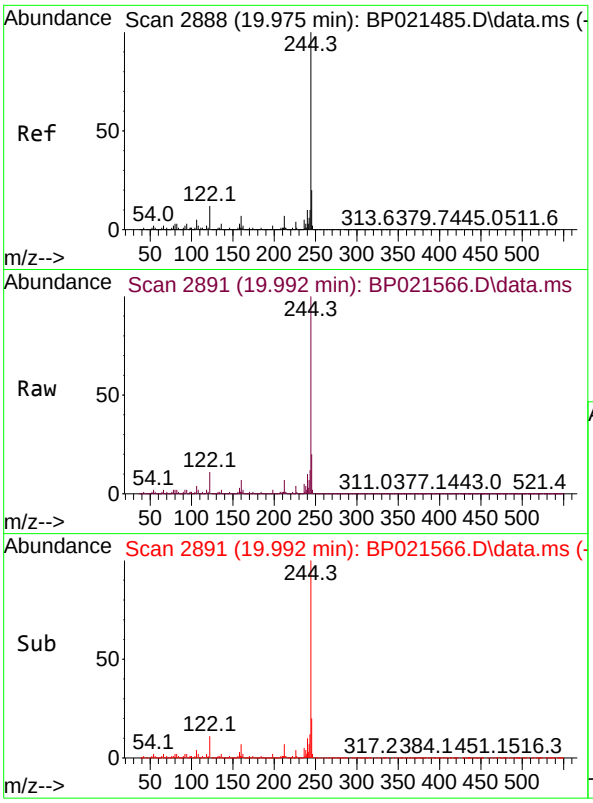


#78
Pyrene
Concen: 39.398 ng
RT: 19.763 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:202 Resp: 5322876

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	17.6	14.1	21.1

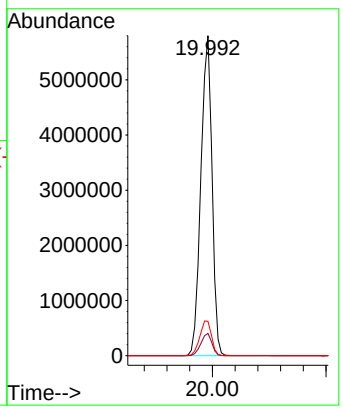




#79
Terphenyl-d14
Concen: 74.156 ng
RT: 19.992 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:244 Resp: 789005

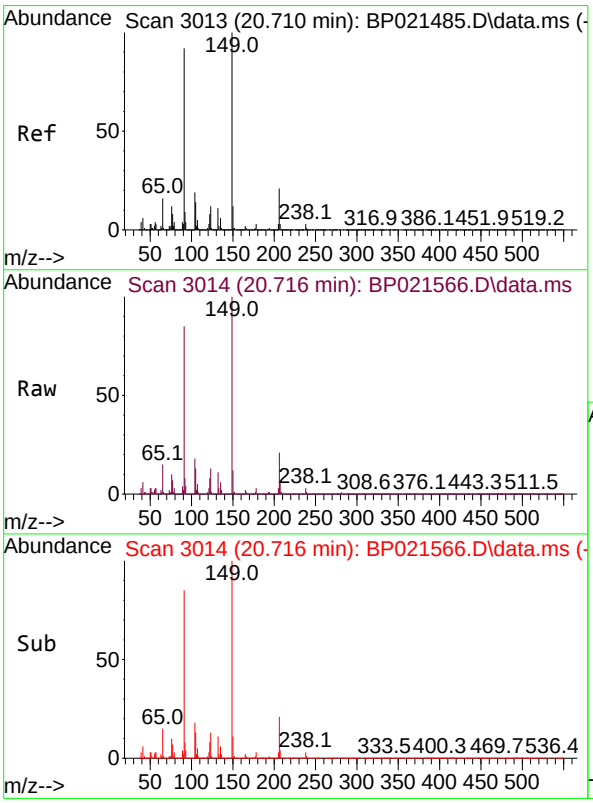
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	10.7	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

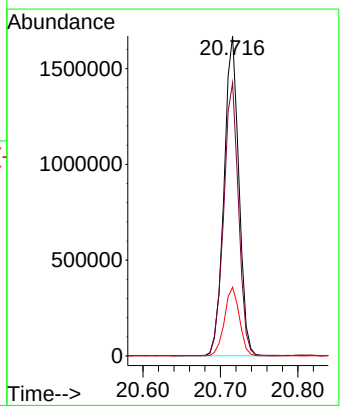
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

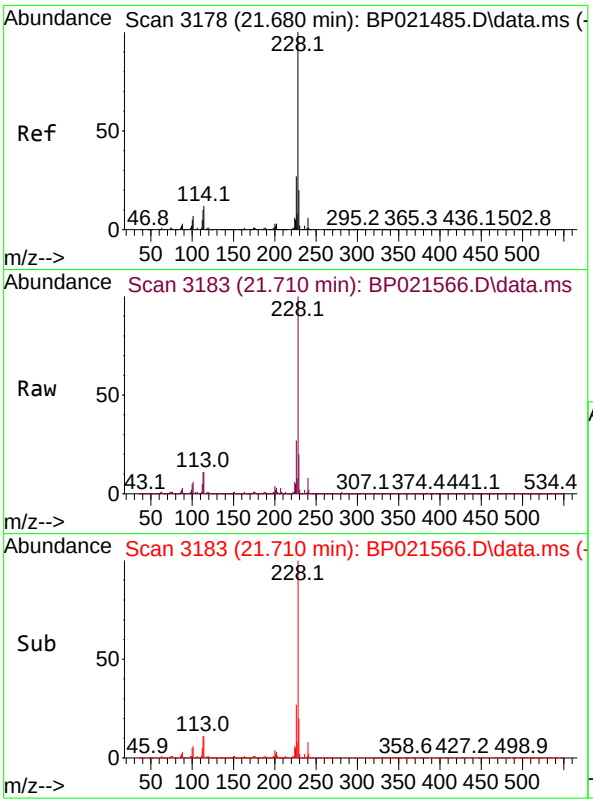


#80
Butylbenzylphthalate
Concen: 43.672 ng
RT: 20.716 min Scan# 3014
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:149 Resp: 2221372

Ion	Ratio	Lower	Upper
149	100		
91	85.3	73.3	109.9
206	21.5	17.1	25.7

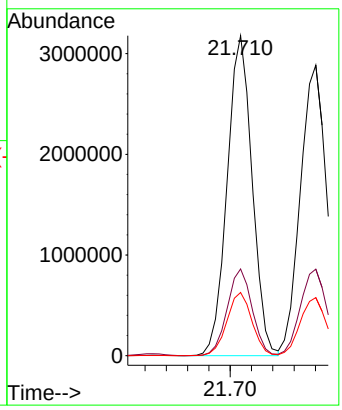




#81
Benzo(a)anthracene
Concen: 40.003 ng
RT: 21.710 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:228 Resp: 519078

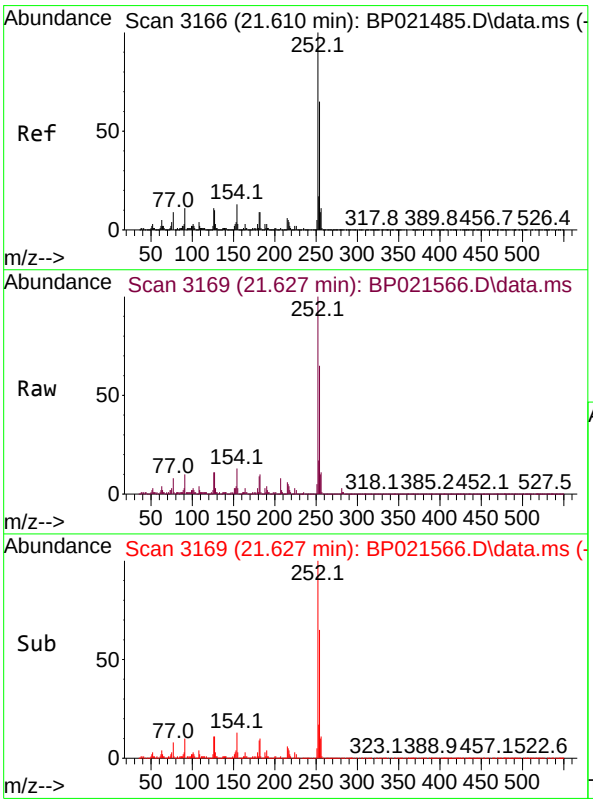
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.4	32.2
229	19.7	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

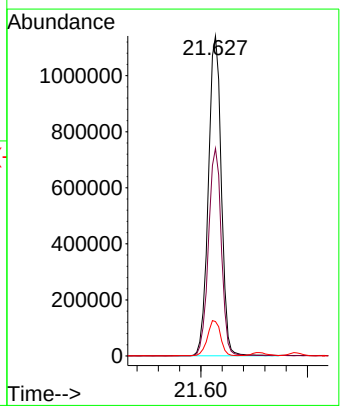
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

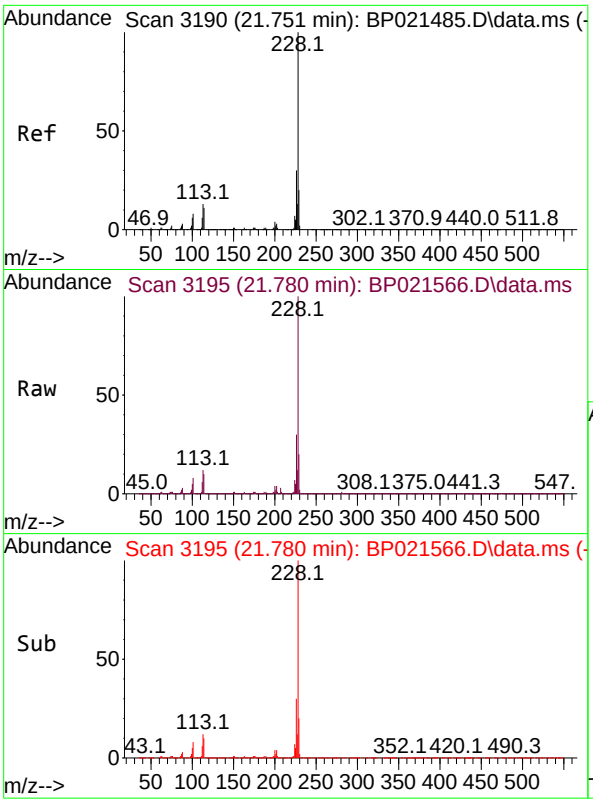


#82
3,3'-Dichlorobenzidine
Concen: 46.202 ng
RT: 21.627 min Scan# 3169
Delta R.T. 0.018 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:252 Resp: 1922208

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.7	77.5
126	10.7	8.7	13.1

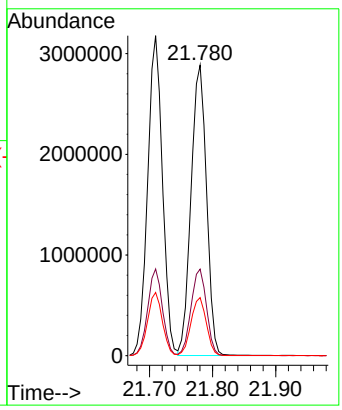




#83
Chrysene
Concen: 40.101 ng
RT: 21.780 min Scan# 3
Delta R.T. 0.029 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:228 Resp: 491285

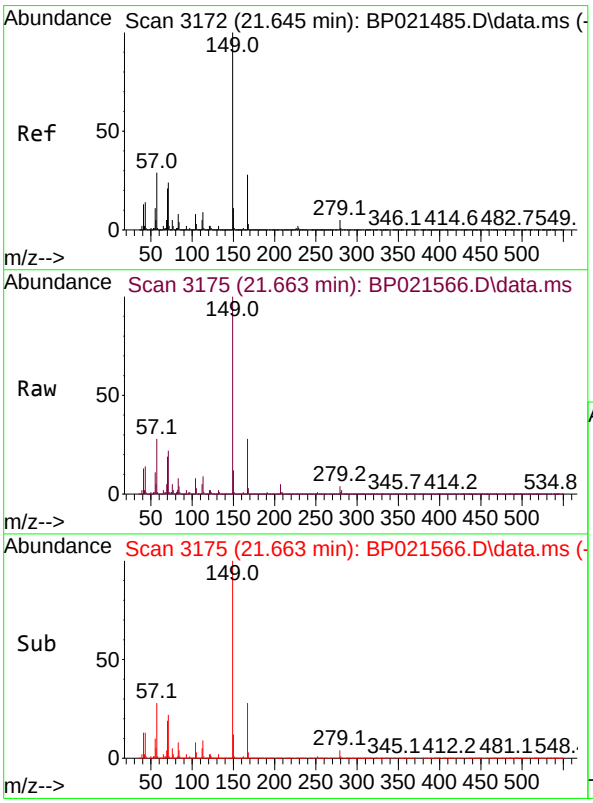
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.9	35.9
229	20.0	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

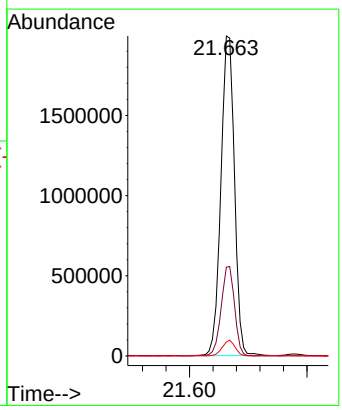
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

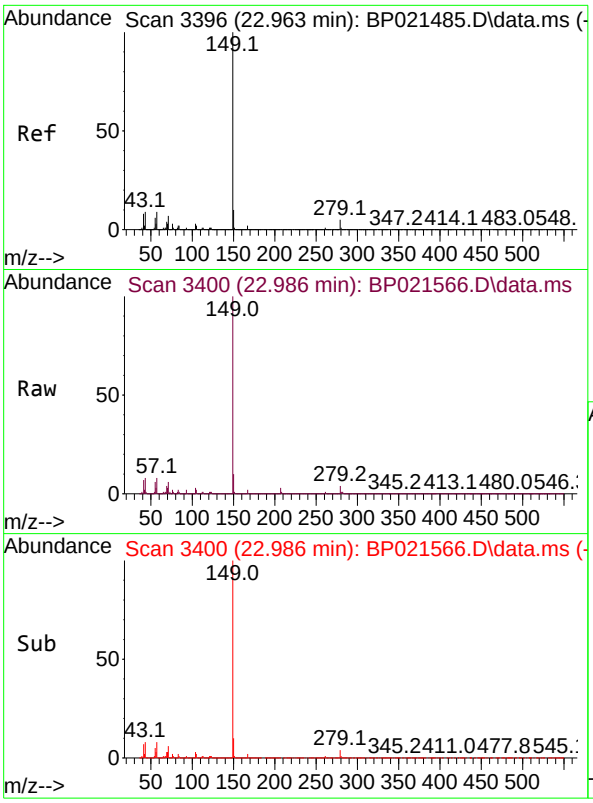


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.537 ng
RT: 21.663 min Scan# 3175
Delta R.T. 0.018 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:149 Resp: 3185624

Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.3	33.5
279	4.4	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 42.612 ng
RT: 22.986 min Scan# 34
Delta R.T. 0.023 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

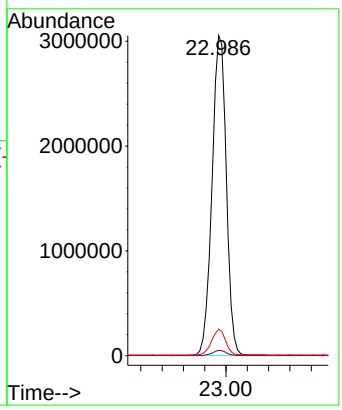
Tgt Ion:149 Resp: 565947

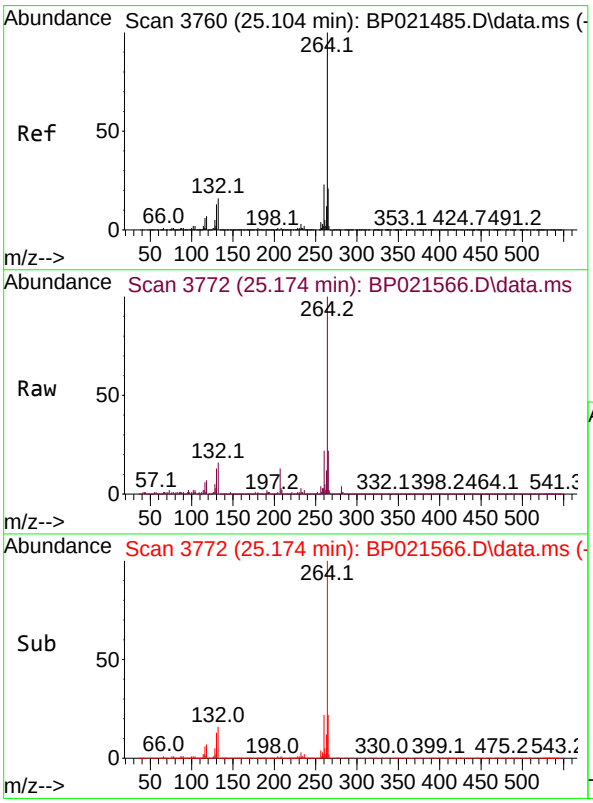
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

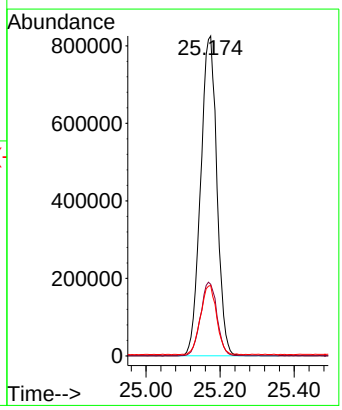


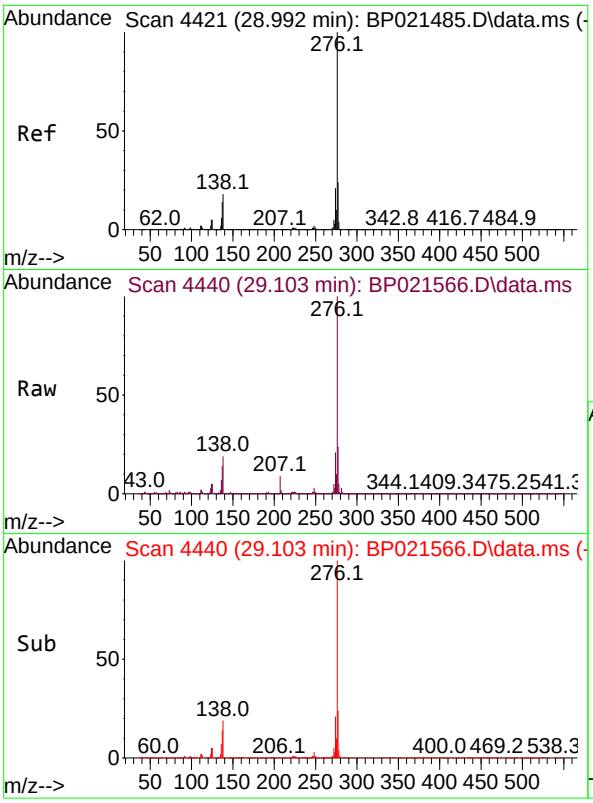


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.174 min Scan# 3772
Delta R.T. 0.070 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:264 Resp: 2510089

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.6	28.0
265	22.1	17.1	25.7

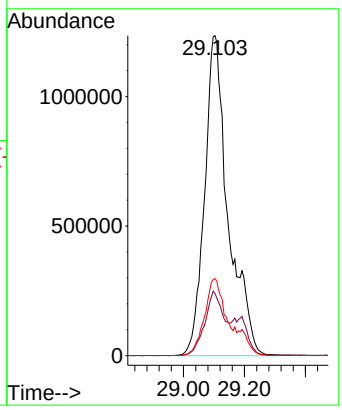




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.860 ng m
RT: 29.103 min Scan# 44
Delta R.T. 0.112 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:276 Resp: 664823

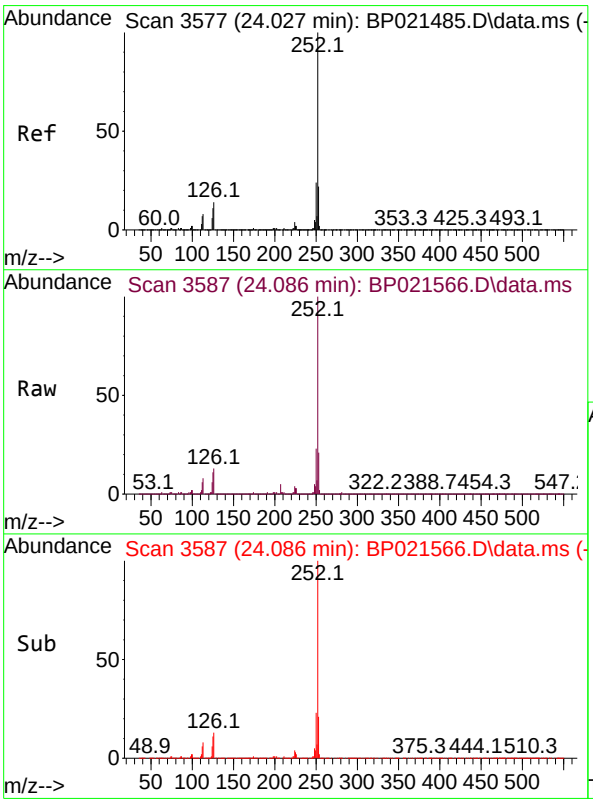
Ion	Ratio	Lower	Upper
276	100		
138	16.2	12.8	19.2
277	22.7	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

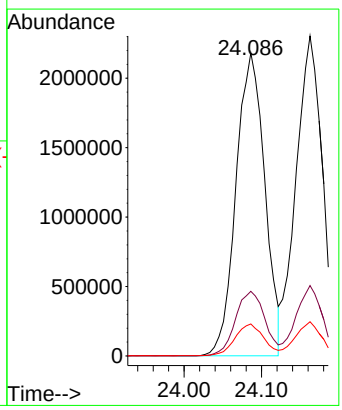
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

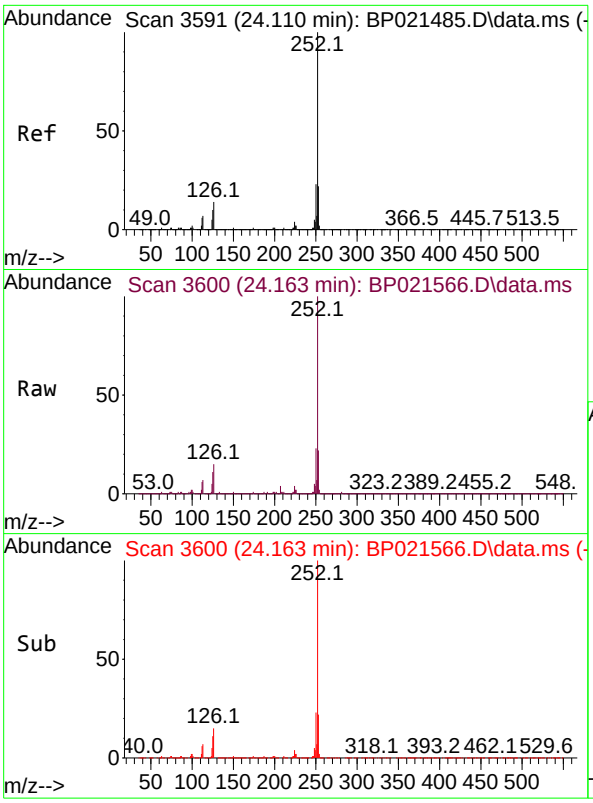


#88
Benzo(b)fluoranthene
Concen: 39.003 ng
RT: 24.086 min Scan# 3587
Delta R.T. 0.059 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:252 Resp: 5622632

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	10.6	8.6	13.0

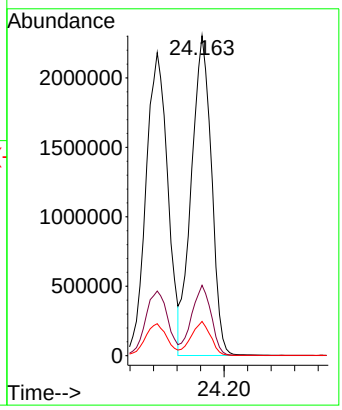




#89
Benzo(k)fluoranthene
Concen: 38.710 ng
RT: 24.163 min Scan# 3
Delta R.T. 0.053 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:252 Resp: 544379

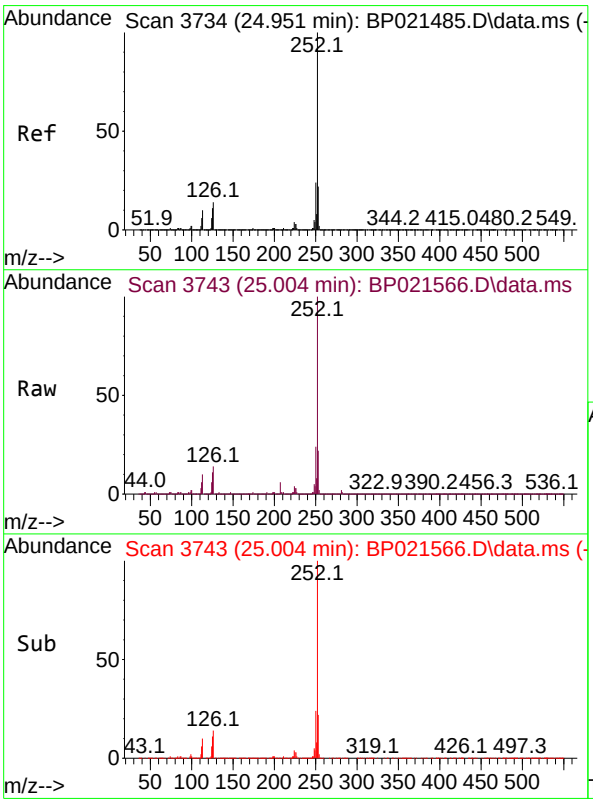
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.7	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

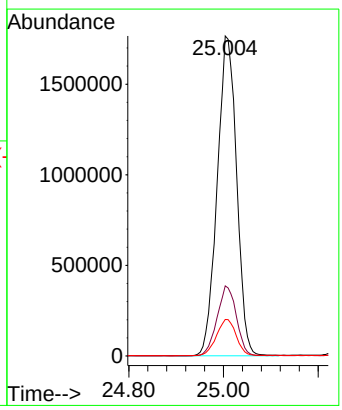
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

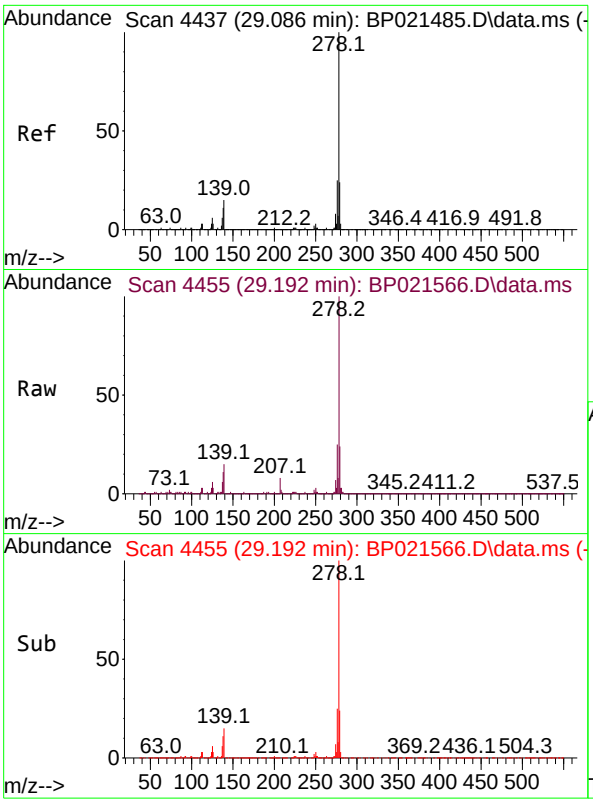


#90
Benzo(a)pyrene
Concen: 40.145 ng
RT: 25.004 min Scan# 3743
Delta R.T. 0.053 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:252 Resp: 5022273

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	11.4	8.7	13.1

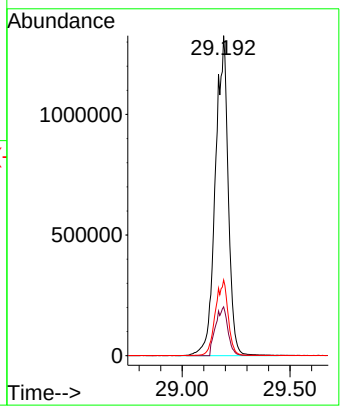




#91
Dibenzo(a,h)anthracene
Concen: 40.541 ng
RT: 29.192 min Scan# 4
Delta R.T. 0.106 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:278 Resp: 548081

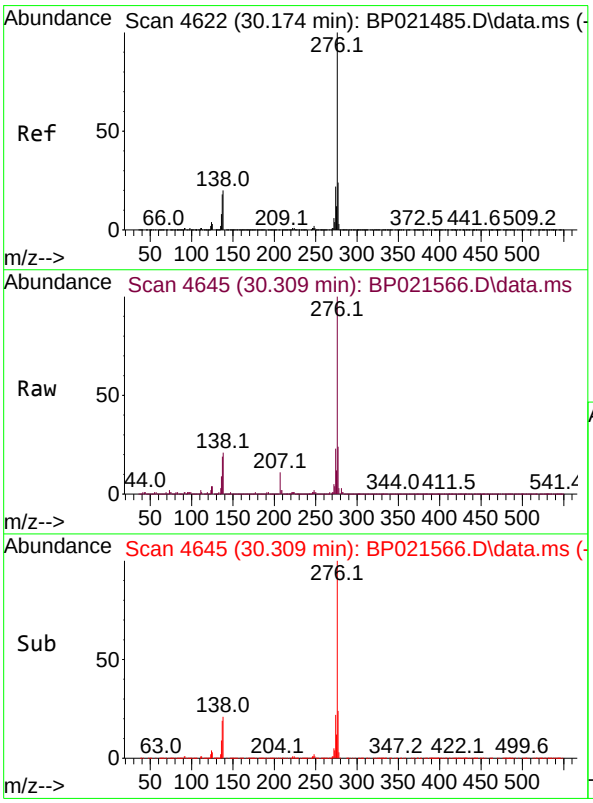
Ion	Ratio	Lower	Upper
278	100		
139	15.3	12.2	18.4
279	23.7	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

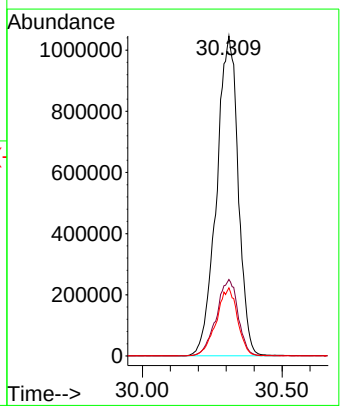
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#92
Benzo(g,h,i)perylene
Concen: 41.504 ng
RT: 30.309 min Scan# 4645
Delta R.T. 0.135 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Tgt Ion:276 Resp: 5623792

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	21.3	16.0	24.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021566.D
Acq On : 20 Aug 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:20:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	107	0.00
2		1,4-Dioxane	0.639	0.561	12.2	93	0.00
3		Pyridine	1.783	1.602	10.2	95	0.01
4		n-Nitrosodimethylamine	0.536	0.492	8.2	99	0.00
5	S	2-Fluorophenol	1.347	1.353	-0.4	107	0.01
6		Aniline	1.964	1.799	8.4	97	0.00
7	S	Phenol-d6	1.965	1.932	1.7	104	0.01
8		2-Chlorophenol	1.245	1.295	-4.0	111	0.00
9		Benzaldehyde	1.258	1.358	-7.9	121	0.00
10	C	Phenol	2.035	1.947	4.3	102	0.01
11		bis(2-Chloroethyl)ether	1.722	1.542	10.5	97	0.00
12		1,3-Dichlorobenzene	1.479	1.438	2.8	106	0.00
13	C	1,4-Dichlorobenzene	1.493	1.457	2.4	106	0.00
14		1,2-Dichlorobenzene	1.439	1.385	3.8	105	0.00
15		Benzyl Alcohol	1.410	1.348	4.4	102	0.00
16		2,2'-oxybis(1-Chloropropane	1.585	1.383	12.7	96	0.00
17		2-Methylphenol	1.286	1.272	1.1	105	0.01
18		Hexachloroethane	0.599	0.597	0.3	107	0.00
19	P	n-Nitroso-di-n-propylamine	1.357	1.109	18.3	88	0.00
20		3+4-Methylphenols	1.734	1.797	-3.6	109	0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22		Acetophenone	0.614	0.584	4.9	101	0.00
23	S	Nitrobenzene-d5	0.387	0.426	-10.1	109	0.00
24		Nitrobenzene	0.421	0.432	-2.6	103	0.00
25		Isophorone	0.915	0.803	12.2	93	0.00
26	C	2-Nitrophenol	0.086	0.165	-91.9#	185#	0.00
27		2,4-Dimethylphenol	0.226	0.229	-1.3	107	0.01
28		bis(2-Chloroethoxy)methane	0.559	0.505	9.7	97	0.00
29	C	2,4-Dichlorophenol	0.267	0.300	-12.4	116	0.00
30		1,2,4-Trichlorobenzene	0.342	0.332	2.9	103	0.00
31		Naphthalene	1.045	1.030	1.4	104	0.00
32		Benzoic acid	0.137	0.274	-100.0#	223#	0.02
33		4-Chloroaniline	0.392	0.398	-1.5	106	0.00
34	C	Hexachlorobutadiene	0.215	0.208	3.3	102	0.00
35		Caprolactam	0.111	0.130	-17.1	120	0.02
36	C	4-Chloro-3-methylphenol	0.370	0.406	-9.7	112	0.01
37		2-Methylnaphthalene	0.713	0.693	2.8	104	0.00
38		1-Methylnaphthalene	0.703	0.682	3.0	103	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
40		1,2,4,5-Tetrachlorobenzene	0.586	0.559	4.6	103	0.00
41	P	Hexachlorocyclopentadiene	0.186	0.235	-26.3#	134	0.00
42	S	2,4,6-Tribromophenol	0.223	0.267	-19.7	123	0.00
43	C	2,4,6-Trichlorophenol	0.326	0.378	-16.0	120	0.00
44		2,4,5-Trichlorophenol	0.362	0.427	-18.0	122	0.00
45	S	2-Fluorobiphenyl	1.310	1.241	5.3	102	0.00
46		1,1'-Biphenyl	1.415	1.347	4.8	103	0.00
47		2-Chloronaphthalene	1.102	1.063	3.5	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021566.D
Acq On : 20 Aug 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:20:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	0.256	0.363	-41.8#	139	0.00
49		Acenaphthylene	1.619	1.589	1.9	105	0.00
50		Dimethylphthalate	1.339	1.328	0.8	107	0.00
51		2,6-Dinitrotoluene	0.232	0.306	-31.9#	131	-0.01
52	C	Acenaphthene	1.063	1.082	-1.8	110	0.00
53		3-Nitroaniline	0.228	0.323	-41.7#	139	-0.01
54	P	2,4-Dinitrophenol	0.069	0.138	-100.0#	229#	0.01
55		Dibenzofuran	1.635	1.602	2.0	106	0.00
56	P	4-Nitrophenol	0.195	0.287	-47.2#	155#	0.00
57		2,4-Dinitrotoluene	0.284	0.425	-49.6#	145	0.00
58		Fluorene	1.343	1.294	3.6	104	0.01
59		2,3,4,6-Tetrachlorophenol	0.307	0.369	-20.2	123	0.00
60		Diethylphthalate	1.374	1.367	0.5	107	-0.01
61		4-Chlorophenyl-phenylether	0.694	0.644	7.2	101	0.00
62		4-Nitroaniline	0.241	0.337	-39.8#	135	0.00
63		Azobenzene	1.689	1.474	12.7	94	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	110	0.01
65		4,6-Dinitro-2-methylphenol	0.054	0.096	-77.8#	203#	0.01
66	c	n-Nitrosodiphenylamine	0.536	0.518	3.4	106	0.00
67		4-Bromophenyl-phenylether	0.212	0.199	6.1	106	0.00
68		Hexachlorobenzene	0.250	0.242	3.2	106	0.00
69		Atrazine	0.184	0.152	17.4	88	0.00
70	C	Pentachlorophenol	0.137	0.170	-24.1#	137	0.02
71		Phenanthrene	0.962	0.951	1.1	109	0.01
72		Anthracene	0.943	0.947	-0.4	110	0.00
73		Carbazole	0.909	0.938	-3.2	111	0.00
74		Di-n-butylphthalate	1.116	1.121	-0.4	108	0.00
75	C	Fluoranthene	1.180	1.227	-4.0	113	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	114	0.03
77		Benzidine	0.420	0.506	-20.5	121	0.00
78		Pyrene	1.307	1.288	1.5	113	0.01
79	S	Terphenyl-d14	1.029	0.954	7.3	108	0.02
80		Butylbenzylphthalate	0.437	0.537	-22.9	130	0.00
81		Benzo(a)anthracene	1.256	1.256	0.0	112	0.03
82		3,3'-Dichlorobenzidine	0.403	0.465	-15.4	123	0.02
83		Chrysene	1.185	1.188	-0.3	113	0.03
84		Bis(2-ethylhexyl)phthalate	0.742	0.771	-3.9	112	0.02
85	c	Di-n-octyl phthalate	1.199	1.369	-14.2	125	0.02
86	I	Perylene-d12	1.000	1.000	0.0	120	0.07
87		Indeno(1,2,3-cd)pyrene	1.296	1.324	-2.2	120	0.11
88		Benzo(b)fluoranthene	1.149	1.120	2.5	117	0.06
89		Benzo(k)fluoranthene	1.121	1.084	3.3	114	0.05
90	C	Benzo(a)pyrene	0.997	1.000	-0.3	119	0.05
91		Dibenzo(a,h)anthracene	1.077	1.092	-1.4	119	0.11
92		Benzo(g,h,i)perylene	1.080	1.120	-3.7	122	0.14

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021566.D
Acq On : 20 Aug 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:20:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021566.D
Acq On : 20 Aug 2024 10:07
Operator : RC/JU
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Quant Time: Aug 20 11:20:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	107	0.00
2		1,4-Dioxane	40.000	35.145	12.1	93	0.00
3		Pyridine	40.000	35.932	10.2	95	0.01
4		n-Nitrosodimethylamine	40.000	36.744	8.1	99	0.00
5	S	2-Fluorophenol	80.000	80.358	-0.4	107	0.01
6		Aniline	40.000	36.630	8.4	97	0.00
7	S	Phenol-d6	80.000	78.656	1.7	104	0.01
8		2-Chlorophenol	40.000	41.611	-4.0	111	0.00
9		Benzaldehyde	40.000	43.178	-7.9	121	0.00
10	C	Phenol	40.000	38.270	4.3	102	0.01
11		bis(2-Chloroethyl)ether	40.000	35.826	10.4	97	0.00
12		1,3-Dichlorobenzene	40.000	38.912	2.7	106	0.00
13	C	1,4-Dichlorobenzene	40.000	39.044	2.4	106	0.00
14		1,2-Dichlorobenzene	40.000	38.497	3.8	105	0.00
15		Benzyl Alcohol	40.000	38.244	4.4	102	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	34.893	12.8	96	0.00
17		2-Methylphenol	40.000	39.549	1.1	105	0.01
18		Hexachloroethane	40.000	39.861	0.3	107	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	32.677	18.3	88	0.00
20		3+4-Methylphenols	40.000	41.450	-3.6	109	0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22		Acetophenone	40.000	37.996	5.0	101	0.00
23	S	Nitrobenzene-d5	80.000	87.927	-9.9	109	0.00
24		Nitrobenzene	40.000	41.074	-2.7	103	0.00
25		Isophorone	40.000	35.068	12.3	93	0.00
26	C	2-Nitrophenol	40.000	56.961	-42.4#	185	0.00
27		2,4-Dimethylphenol	40.000	40.576	-1.4	107	0.01
28		bis(2-Chloroethoxy)methane	40.000	36.141	9.6	97	0.00
29	C	2,4-Dichlorophenol	40.000	44.986	-12.5	116	0.00
30		1,2,4-Trichlorobenzene	40.000	38.855	2.9	103	0.00
31		Naphthalene	40.000	39.431	1.4	104	0.00
32		Benzoic acid	40.000	64.703	-61.8#	223	0.02
33		4-Chloroaniline	40.000	40.535	-1.3	106	0.00
34	C	Hexachlorobutadiene	40.000	38.600	3.5	102	0.00
35		Caprolactam	40.000	46.800	-17.0	120	0.02
36	C	4-Chloro-3-methylphenol	40.000	43.882	-9.7	112	0.01
37		2-Methylnaphthalene	40.000	38.859	2.9	104	0.00
38		1-Methylnaphthalene	40.000	38.775	3.1	103	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	109	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.147	4.6	103	0.00
41	P	Hexachlorocyclopentadiene	40.000	50.596	-26.5#	134	0.00
42	S	2,4,6-Tribromophenol	80.000	95.950	-19.9	123	0.00
43	C	2,4,6-Trichlorophenol	40.000	46.468	-16.2	120	0.00
44		2,4,5-Trichlorophenol	40.000	47.232	-18.1	122	0.00
45	S	2-Fluorobiphenyl	80.000	75.740	5.3	102	0.00
46		1,1'-Biphenyl	40.000	38.080	4.8	103	0.00
47		2-Chloronaphthalene	40.000	38.599	3.5	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021566.D
Acq On : 20 Aug 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:20:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	47.106	-17.8	139	0.00
49		Acenaphthylene	40.000	39.251	1.9	105	0.00
50		Dimethylphthalate	40.000	39.669	0.8	107	0.00
51		2,6-Dinitrotoluene	40.000	45.498	-13.7	131	-0.01
52	C	Acenaphthene	40.000	40.738	-1.8	110	0.00
53		3-Nitroaniline	40.000	48.589	-21.5	139	-0.01
54	P	2,4-Dinitrophenol	40.000	65.093	-62.7#	229	0.01
55		Dibenzofuran	40.000	39.211	2.0	106	0.00
56	P	4-Nitrophenol	40.000	53.424	-33.6#	155	0.00
57		2,4-Dinitrotoluene	40.000	49.320	-23.3	145	0.00
58		Fluorene	40.000	38.542	3.6	104	0.01
59		2,3,4,6-Tetrachlorophenol	40.000	48.067	-20.2	123	0.00
60		Diethylphthalate	40.000	39.800	0.5	107	-0.01
61		4-Chlorophenyl-phenylether	40.000	37.093	7.3	101	0.00
62		4-Nitroaniline	40.000	49.265	-23.2	135	0.00
63		Azobenzene	40.000	34.913	12.7	94	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	110	0.01
65		4,6-Dinitro-2-methylphenol	40.000	58.939	-47.3#	203	0.01
66	c	n-Nitrosodiphenylamine	40.000	38.672	3.3	106	0.00
67		4-Bromophenyl-phenylether	40.000	37.531	6.2	106	0.00
68		Hexachlorobenzene	40.000	38.748	3.1	106	0.00
69		Atrazine	40.000	33.020	17.4	88	0.00
70	C	Pentachlorophenol	40.000	49.739	-24.3#	137	0.02
71		Phenanthrene	40.000	39.548	1.1	109	0.01
72		Anthracene	40.000	40.140	-0.4	110	0.00
73		Carbazole	40.000	41.294	-3.2	111	0.00
74		Di-n-butylphthalate	40.000	40.166	-0.4	108	0.00
75	C	Fluoranthene	40.000	41.572	-3.9	113	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	114	0.03
77		Benzidine	40.000	43.787	-9.5	121	0.00
78		Pyrene	40.000	39.398	1.5	113	0.01
79	S	Terphenyl-d14	80.000	74.156	7.3	108	0.02
80		Butylbenzylphthalate	40.000	43.672	-9.2	130	0.00
81		Benzo(a)anthracene	40.000	40.003	-0.0	112	0.03
82		3,3'-Dichlorobenzidine	40.000	46.202	-15.5	123	0.02
83		Chrysene	40.000	40.101	-0.3	113	0.03
84		Bis(2-ethylhexyl)phthalate	40.000	41.537	-3.8	112	0.02
85	c	Di-n-octyl phthalate	40.000	42.612	-6.5	125	0.02
86	I	Perylene-d12	20.000	20.000	0.0	120	0.07
87		Indeno(1,2,3-cd)pyrene	40.000	40.860	-2.1	120	0.11
88		Benzo(b)fluoranthene	40.000	39.003	2.5	117	0.06
89		Benzo(k)fluoranthene	40.000	38.710	3.2	114	0.05
90	C	Benzo(a)pyrene	40.000	40.145	-0.4	119	0.05
91		Dibenzo(a,h)anthracene	40.000	40.541	-1.4	119	0.11
92		Benzo(g,h,i)perylene	40.000	41.504	-3.8	122	0.14

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021566.D
Acq On : 20 Aug 2024 10:07
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 11:20:14 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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: JACO05

Lab Code: CHEM Case No.: P3657 SAS No.: P3657 SDG No.: P3657

Instrument ID: BNA_P Calibration Date/Time: 08/20/2024 16:40

Lab File ID: BP021575.D Init. Calib. Date(s): 08/13/2024 08/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:32 17:36

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.783	1.623		-9.0	
2-Fluorophenol	1.347	1.372		1.9	
Benzaldehyde	1.258	1.392		10.7	
Phenol-d6	1.965	1.965		0.0	
2-Methylphenol	1.286	1.311		1.9	
3+4-Methylphenols	1.734	1.820		5.0	
Nitrobenzene-d5	0.387	0.421		8.8	
Hexachloroethane	0.599	0.610		1.8	
Nitrobenzene	0.421	0.430		2.1	
Naphthalene	1.045	1.030		-1.4	
Hexachlorobutadiene	0.215	0.206		-4.2	20.0
2-Methylnaphthalene	0.713	0.699		-2.0	
2,4,6-Trichlorophenol	0.326	0.377		15.6	20.0
2-Fluorobiphenyl	1.310	1.212		-7.5	
2,4,5-Trichlorophenol	0.362	0.422		16.6	
Acenaphthylene	1.619	1.596		-1.4	
Acenaphthene	1.063	1.097		3.2	20.0
Dibenzofuran	1.635	1.623		-0.7	
2,4-Dinitrotoluene	0.284	0.440		54.9	
Fluorene	1.343	1.311		-2.4	
2,4,6-Tribromophenol	0.223	0.265		18.8	
Hexachlorobenzene	0.250	0.240		-4.0	
Pentachlorophenol	0.137	0.168		22.6	20.0
Phenanthrene	0.962	0.949		-1.4	
Anthracene	0.943	0.925		-1.9	
Carbazole	0.909	0.943		3.7	
Di-n-butylphthalate	1.116	1.161		4.0	
Fluoranthene	1.180	1.230		4.2	20.0
Pyrene	1.307	1.267		-3.1	
Terphenyl-d14	1.029	0.958		-6.9	
Benzo(a)anthracene	1.256	1.254		-0.2	
Chrysene	1.185	1.172		-1.1	
Bis(2-ethylhexyl)phthalate	0.742	0.836		12.7	
Benzo(b)fluoranthene	1.149	1.131		-1.6	
Benzo(k)fluoranthene	1.121	1.065		-5.0	
Benzo(a)pyrene	0.997	0.991		-0.6	20.0
Indeno(1,2,3-cd)pyrene	1.296	1.308		0.9	
Dibenzo(a,h)anthracene	1.077	1.071		-0.6	
Benzo(g,h,i)perylene	1.080	1.083		0.3	

Form VII SV-1

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: JACO05

Lab Code: CHEM Case No.: P3657 SAS No.: P3657 SDG No.: P3657

Instrument ID: BNA_P Calibration Date/Time: 08/20/2024 16:40

Lab File ID: BP021575.D Init. Calib. Date(s): 08/13/2024 08/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:32 17:36

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,4-Dioxane	0.639	0.570		-10.8	20.0
1-Methylnaphthalene	0.703	0.693		-1.4	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021575.D
Acq On : 20 Aug 2024 16:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 17:15:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	372530	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1563751	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	1068846	20.000	ng	0.00
64) Phenanthrene-d10	17.275	188	2403929	20.000	ng	0.02
76) Chrysene-d12	21.739	240	2426350	20.000	ng	0.04
86) Perylene-d12	25.180	264	2940308	20.000	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	2044869	81.506	ng	0.00
7) Phenol-d6	6.969	99	2928471	80.016	ng	0.00
23) Nitrobenzene-d5	8.952	82	2633490	86.924	ng	0.00
42) 2,4,6-Tribromophenol	15.981	330	1133914	95.320	ng	0.01
45) 2-Fluorobiphenyl	13.063	172	5181271	73.981	ng	0.00
79) Terphenyl-d14	19.998	244	9297974	74.447	ng	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.317	88	424462	35.681	ng	99
3) Pyridine	3.717	79	1208987	36.406	ng	97
4) n-Nitrosodimethylamine	3.622	42	371373	37.206	ng	95
6) Aniline	7.134	93	1348749	36.863	ng	96
8) 2-Chlorophenol	7.375	128	979003	42.226	ng	95
9) Benzaldehyde	6.946	77	1037198	44.262	ng	93
10) Phenol	6.999	94	1481572	39.093	ng	96
11) bis(2-Chloroethyl)ether	7.228	93	1172312	36.557	ng	96
12) 1,3-Dichlorobenzene	7.699	146	1084084	39.364	ng	97
13) 1,4-Dichlorobenzene	7.840	146	1102920	39.661	ng	98
14) 1,2-Dichlorobenzene	8.158	146	1043542	38.940	ng	99
15) Benzyl Alcohol	8.040	79	1015548	38.673	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.334	45	1061205	35.934	ng	97
17) 2-Methylphenol	8.240	107	976782	40.769	ng	97
18) Hexachloroethane	8.887	117	454819	40.786	ng	98
19) n-Nitroso-di-n-propyla...	8.605	70	850374	33.637	ng	95
20) 3+4-Methylphenols	8.563	107	1356088	41.976	ng	99
22) Acetophenone	8.616	105	1802202	37.514	ng	99
24) Nitrobenzene	8.993	77	1345015	40.876	ng	93
25) Isophorone	9.522	82	2538499	35.467	ng	98
26) 2-Nitrophenol	9.704	139	508327	56.363	ng	92
27) 2,4-Dimethylphenol	9.769	122	711129	40.260	ng	98
28) bis(2-Chloroethoxy)met...	9.999	93	1593547	36.474	ng	99
29) 2,4-Dichlorophenol	10.240	162	947435	45.397	ng	98
30) 1,2,4-Trichlorobenzene	10.457	180	1037019	38.758	ng	98
31) Naphthalene	10.646	128	3220205	39.419	ng	100
32) Benzoic acid	9.905	122	875031	65.645	ng	92
33) 4-Chloroaniline	10.746	127	1251607	40.788	ng	97
34) Hexachlorobutadiene	10.940	225	645550	38.319	ng	98
35) Caprolactam	11.534	113	416030	47.892	ng	88
36) 4-Chloro-3-methylphenol	11.881	107	1284015	44.353	ng	96
37) 2-Methylnaphthalene	12.263	142	2186594	39.219	ng	100
38) 1-Methylnaphthalene	12.481	142	2166454	39.399	ng	99
40) 1,2,4,5-Tetrachloroben...	12.634	216	1175676	37.541	ng	100
41) Hexachlorocyclopentadiene	12.616	237	464856	46.834	ng	99
43) 2,4,6-Trichlorophenol	12.875	196	805218	46.287	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021575.D
Acq On : 20 Aug 2024 16:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 20 17:15:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.946	196	901983	46.667	ng		97
46) 1,1'-Biphenyl	13.281	154	2870734	37.962	ng		98
47) 2-Chloronaphthalene	13.322	162	2258356	38.359	ng		99
48) 2-Nitroaniline	13.516	65	775883	47.126	ng		88
49) Acenaphthylene	14.181	152	3412612	39.430	ng		100
50) Dimethylphthalate	13.916	163	2903067	40.557	ng		100
51) 2,6-Dinitrotoluene	14.022	165	668456	46.431	ng		91
52) Acenaphthene	14.534	154	2344983m	41.294	ng		
53) 3-Nitroaniline	14.351	138	704846	49.513	ng	#	90
54) 2,4-Dinitrophenol	14.569	184	301078	66.049	ng		90
55) Dibenzofuran	14.869	168	3469479	39.716	ng		99
56) 4-Nitrophenol	14.663	139	623596	54.273	ng		88
57) 2,4-Dinitrotoluene	14.828	165	940265	50.859	ng	#	85
58) Fluorene	15.534	166	2801684	39.039	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.092	232	787234	47.986	ng		98
60) Diethylphthalate	15.304	149	3034612	41.319	ng		100
61) 4-Chlorophenyl-phenyle...	15.528	204	1408811	37.977	ng		99
62) 4-Nitroaniline	15.539	138	744682	50.846	ng		92
63) Azobenzene	15.822	77	3217680	35.641	ng		97
65) 4,6-Dinitro-2-methylph...	15.604	198	455554	58.431	ng		99
66) n-Nitrosodiphenylamine	15.739	169	2431907	37.750	ng		100
67) 4-Bromophenyl-phenylether	16.439	248	941570	37.008	ng		99
68) Hexachlorobenzene	16.563	284	1154799	38.408	ng		99
69) Atrazine	16.722	200	704532	31.853	ng		100
70) Pentachlorophenol	16.916	266	808216	49.250	ng		98
71) Phenanthrene	17.322	178	4562430	39.464	ng		100
72) Anthracene	17.416	178	4446404	39.216	ng		100
73) Carbazole	17.686	167	4532118	41.477	ng		99
74) Di-n-butylphthalate	18.298	149	5580792	41.587	ng		100
75) Fluoranthene	19.404	202	5912433	41.680	ng		100
77) Benzidine	19.592	184	2026298	35.722	ng		100
78) Pyrene	19.780	202	6147221	38.762	ng		99
80) Butylbenzylphthalate	20.722	149	2641829	44.200	ng		97
81) Benzo(a)anthracene	21.716	228	6085084	39.950	ng		100
82) 3,3'-Dichlorobenzidine	21.627	252	2216157	45.379	ng		100
83) Chrysene	21.786	228	5688074	39.553	ng		99
84) Bis(2-ethylhexyl)phtha...	21.663	149	4058627	45.083	ng		99
85) Di-n-octyl phthalate	22.992	149	7075138	45.068	ng		98
87) Indeno(1,2,3-cd)pyrene	29.109	276	7692660m	40.361	ng		
88) Benzo(b)fluoranthene	24.092	252	6649815	39.379	ng		99
89) Benzo(k)fluoranthene	24.168	252	6261875	38.012	ng		100
90) Benzo(a)pyrene	25.021	252	5826473	39.759	ng		99
91) Dibenzo(a,h)anthracene	29.221	278	6298888	39.775	ng		100
92) Benzo(g,h,i)perylene	30.303	276	6370124	40.133	ng		99

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

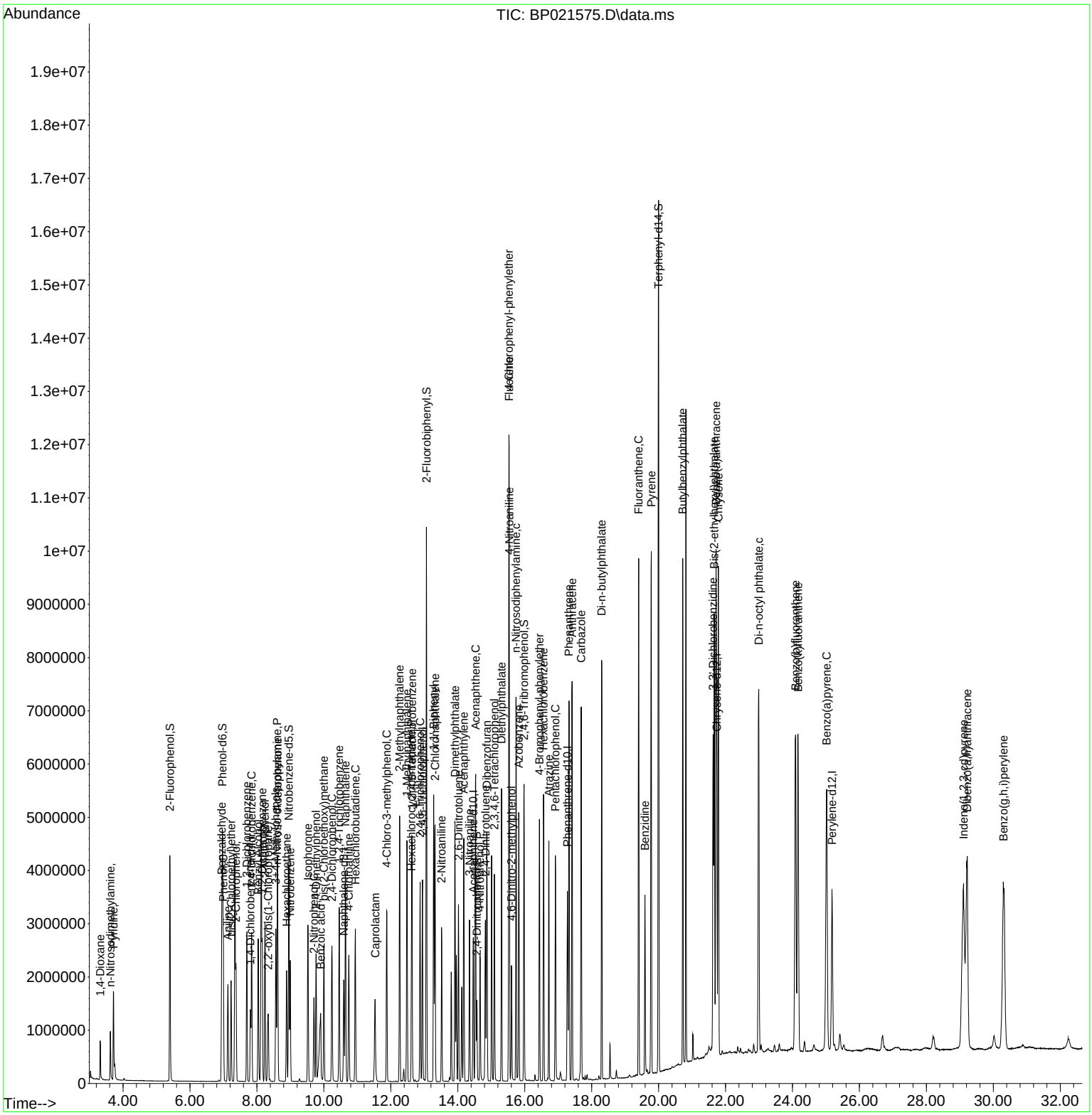
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Data File : BP021575.D
Acq On : 20 Aug 2024 16:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

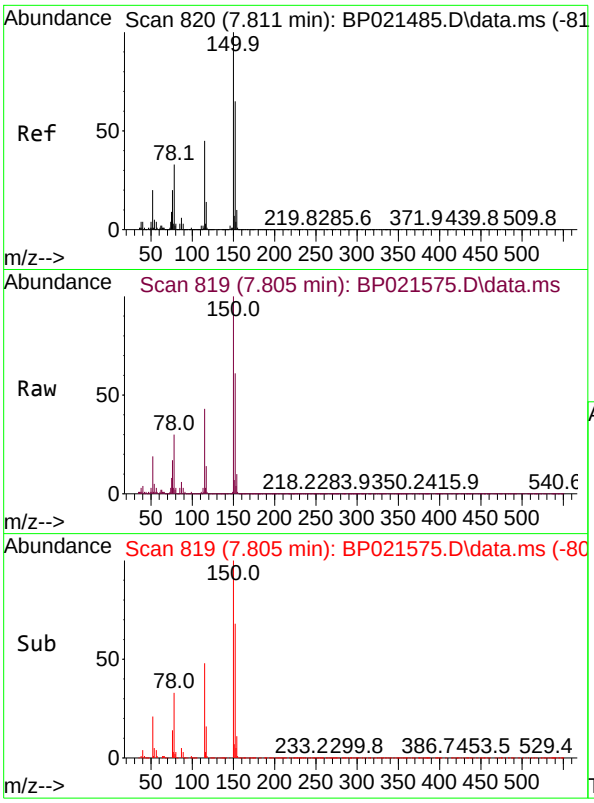
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/21/2024
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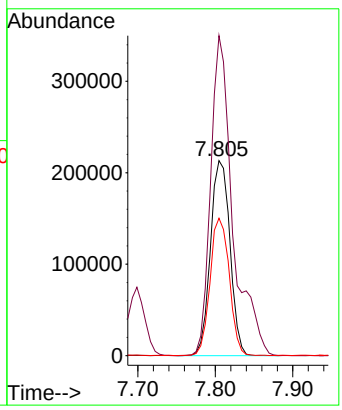




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:152 Resp: 37253

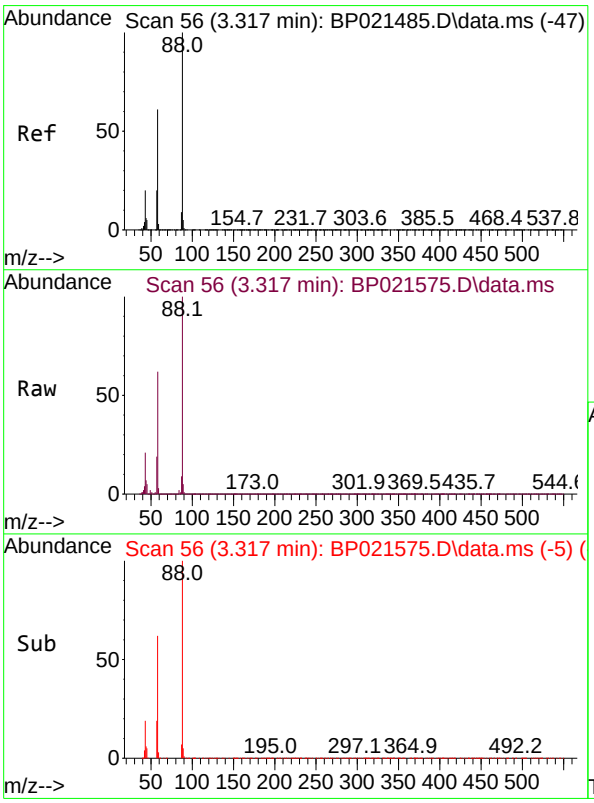
Ion	Ratio	Lower	Upper
152	100		
150	164.1	122.4	183.6
115	70.5	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

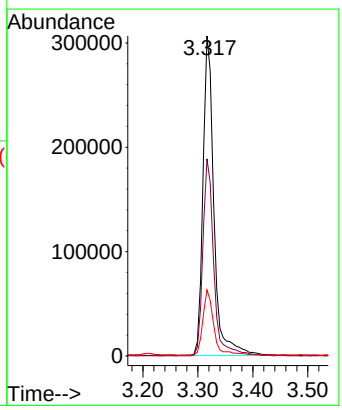
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

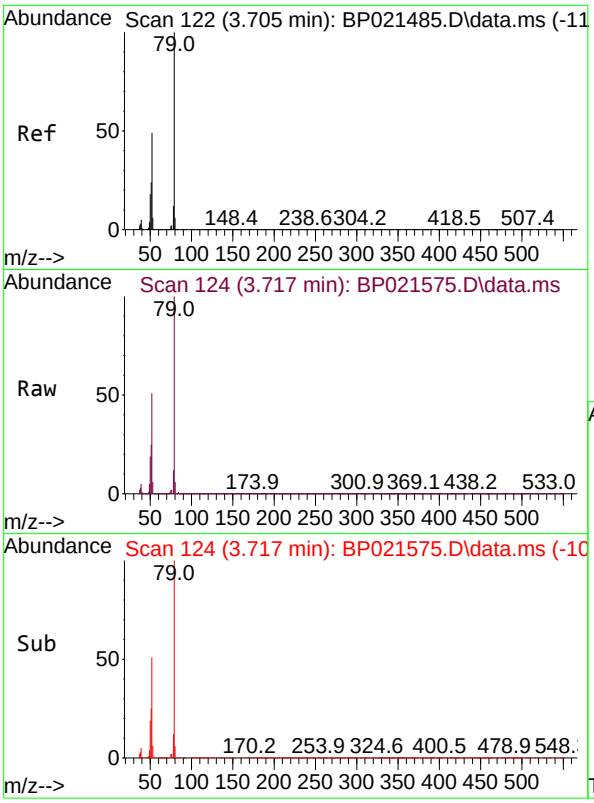


#2
1,4-Dioxane
Concen: 35.681 ng
RT: 3.317 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion: 88 Resp: 424462

Ion	Ratio	Lower	Upper
88	100		
58	61.5	48.7	73.1
43	20.1	15.4	23.2

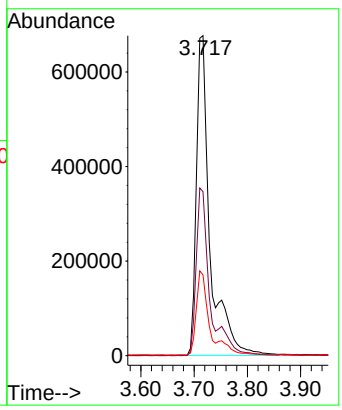




#3
Pyridine
Concen: 36.406 ng
RT: 3.717 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion: 79 Resp: 120898

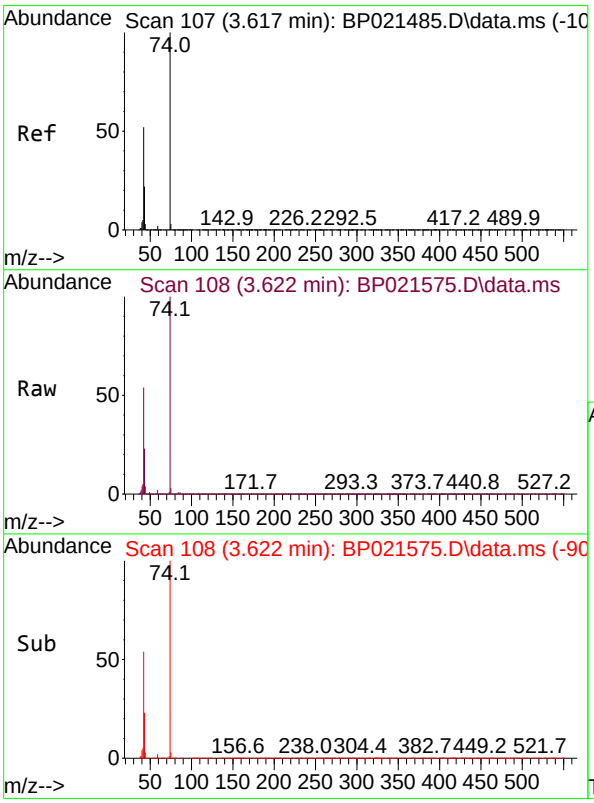
Ion	Ratio	Lower	Upper
79	100		
52	51.3	39.0	58.6
51	25.2	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

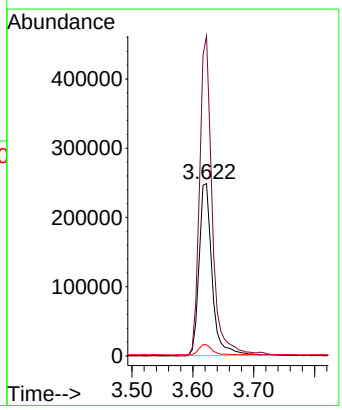
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

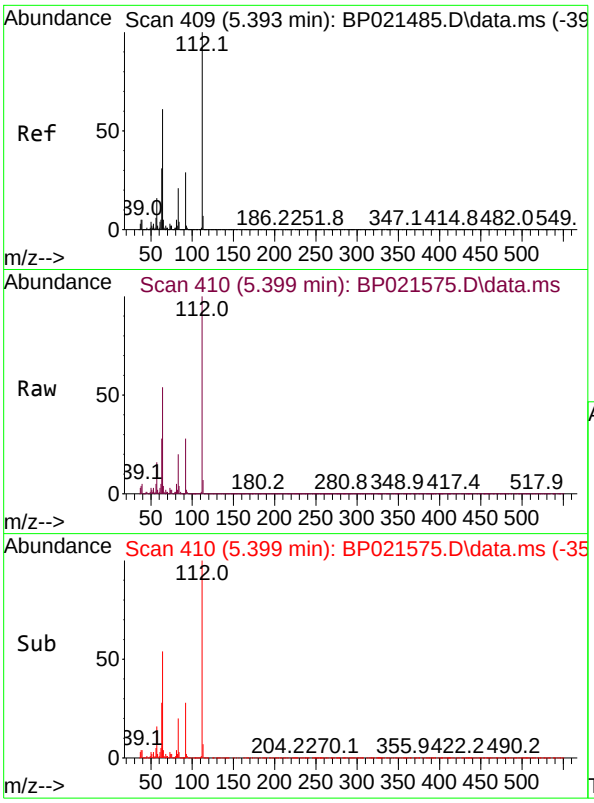


#4
n-Nitrosodimethylamine
Concen: 37.206 ng
RT: 3.622 min Scan# 108
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion: 42 Resp: 371373

Ion	Ratio	Lower	Upper
42	100		
74	185.7	154.3	231.5
44	6.5	6.2	9.4

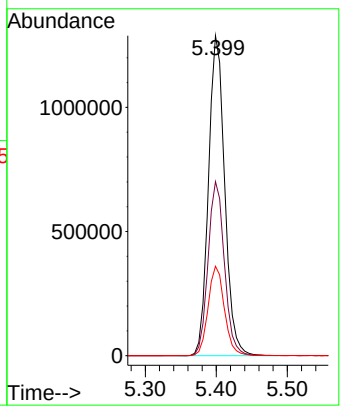




#5
2-Fluorophenol
Concen: 81.506 ng
RT: 5.399 min Scan# 4
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:112 Resp: 204486

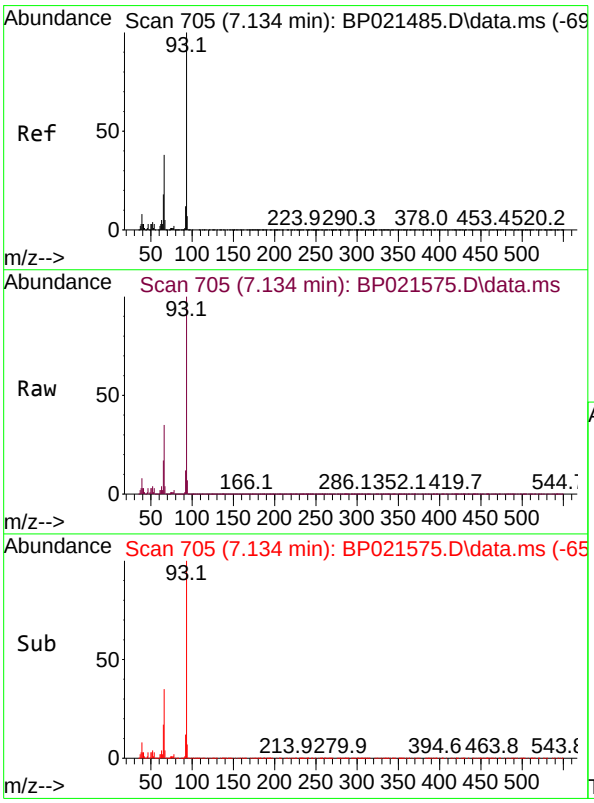
Ion	Ratio	Lower	Upper
112	100		
64	54.4	49.0	73.6
63	27.9	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

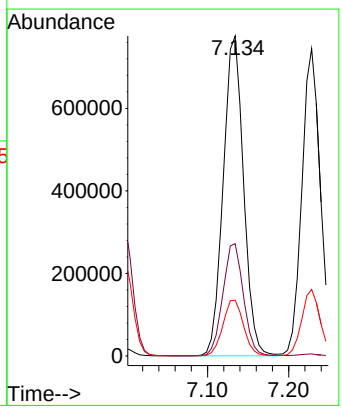
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

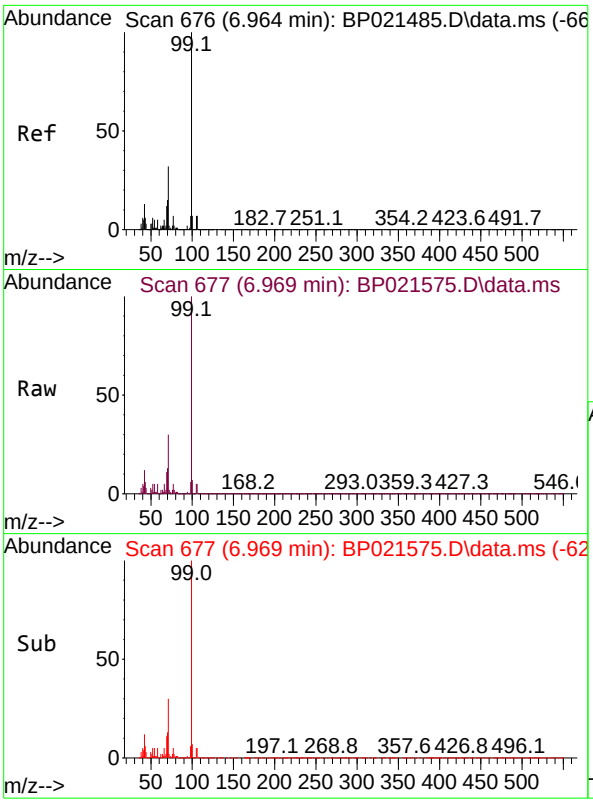


#6
Aniline
Concen: 36.863 ng
RT: 7.134 min Scan# 705
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion: 93 Resp: 1348749

Ion	Ratio	Lower	Upper
93	100		
66	35.1	30.2	45.2
65	17.5	14.7	22.1

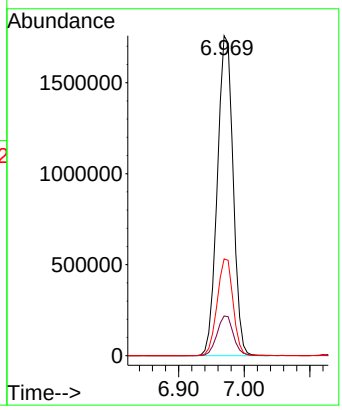




#7
Phenol-d6
Concen: 80.016 ng
RT: 6.969 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion: 99 Resp: 292847

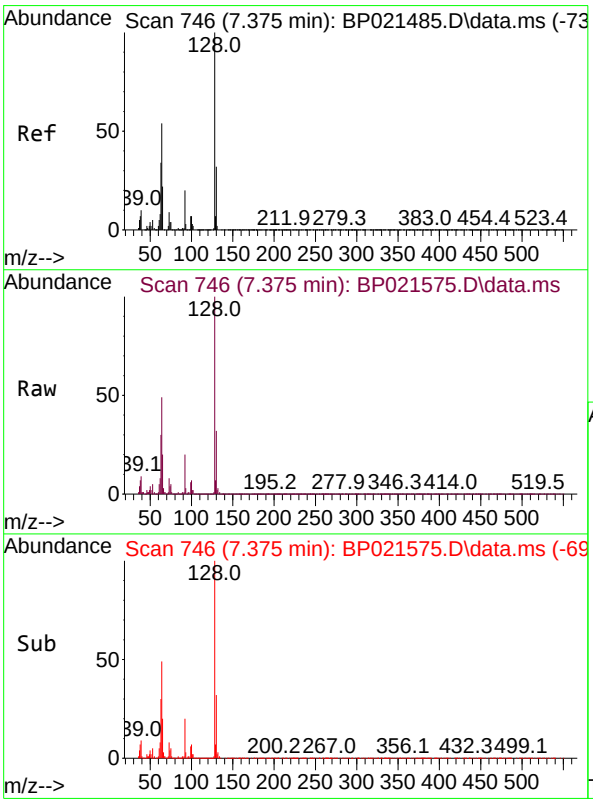
Ion	Ratio	Lower	Upper
99	100		
42	12.4	10.2	15.4
71	30.3	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

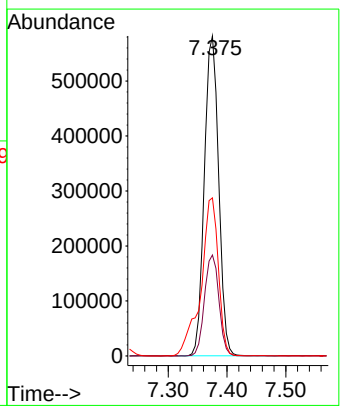
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

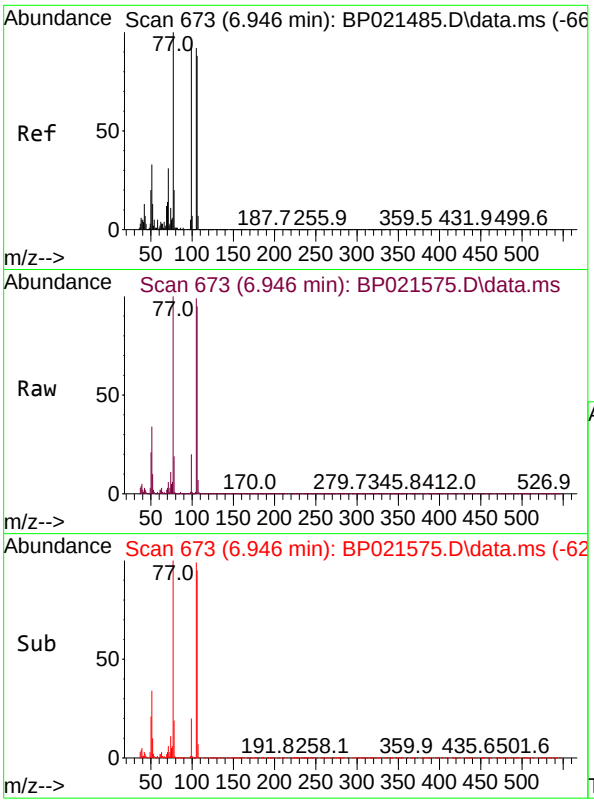


#8
2-Chlorophenol
Concen: 42.226 ng
RT: 7.375 min Scan# 746
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:128 Resp: 979003

Ion	Ratio	Lower	Upper
128	100		
130	31.6	11.6	51.6
64	49.4	35.3	75.3

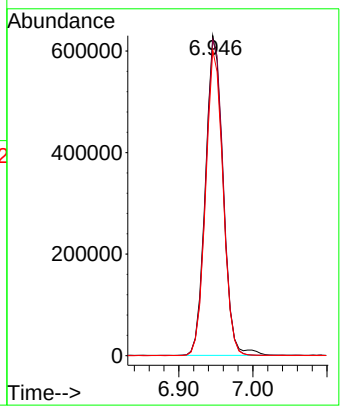




#9
Benzaldehyde
Concen: 44.262 ng
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion: 77 Resp: 103719

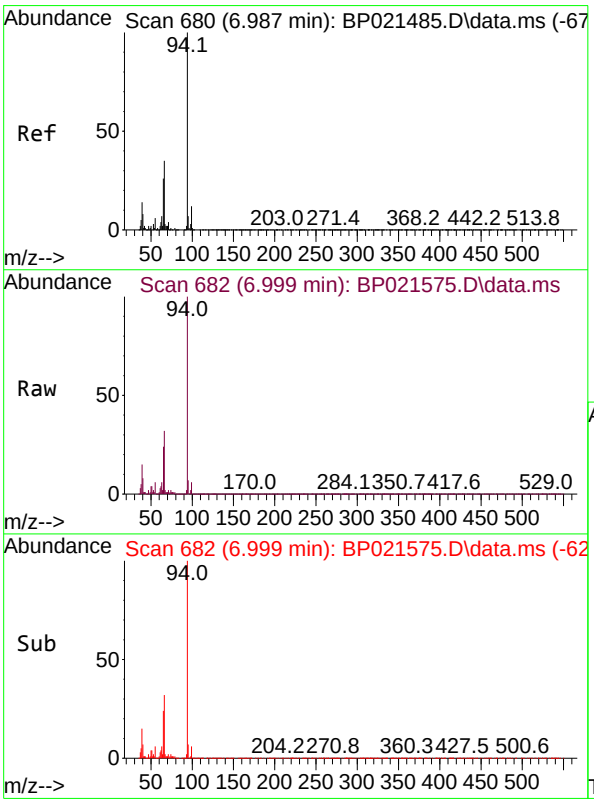
Ion	Ratio	Lower	Upper
77	100		
105	98.7	72.1	112.1
106	95.4	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

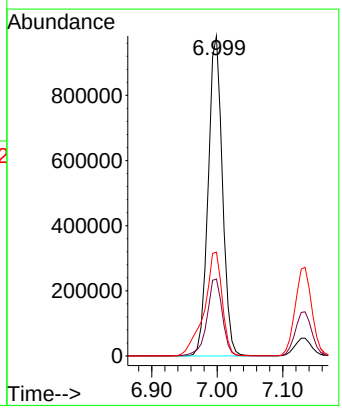
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

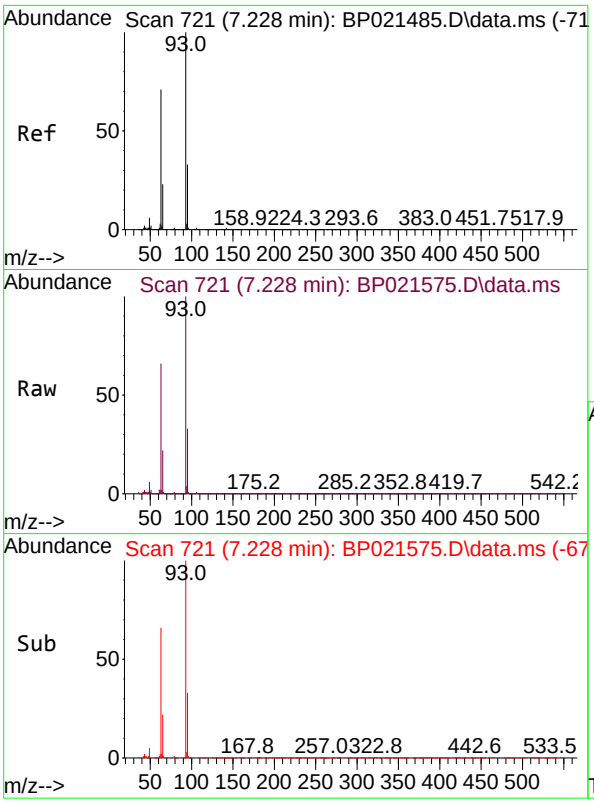


#10
Phenol
Concen: 39.093 ng
RT: 6.999 min Scan# 682
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion: 94 Resp: 1481572

Ion	Ratio	Lower	Upper
94	100		
65	24.1	6.5	46.5
66	32.5	14.7	54.7

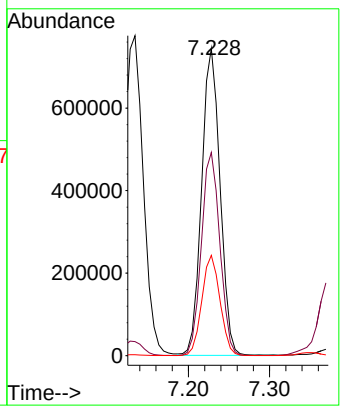




#11
bis(2-Chloroethyl)ether
Concen: 36.557 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion: 93 Resp: 117231

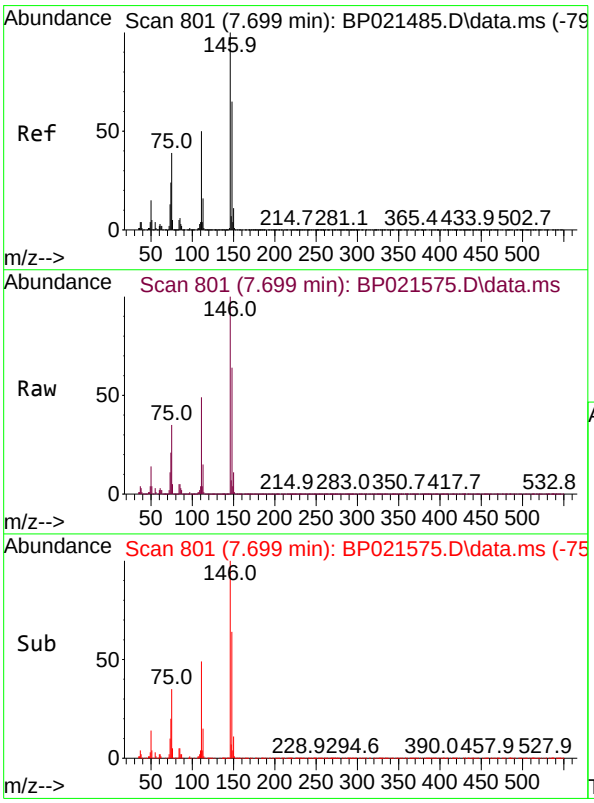
Ion	Ratio	Lower	Upper
93	100		
63	66.1	51.0	91.0
95	32.6	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

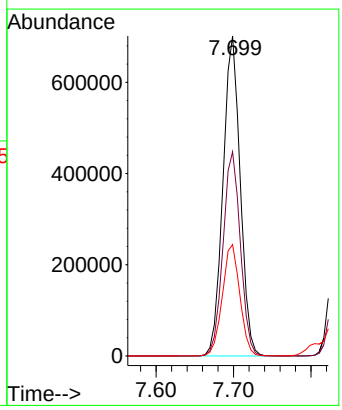
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

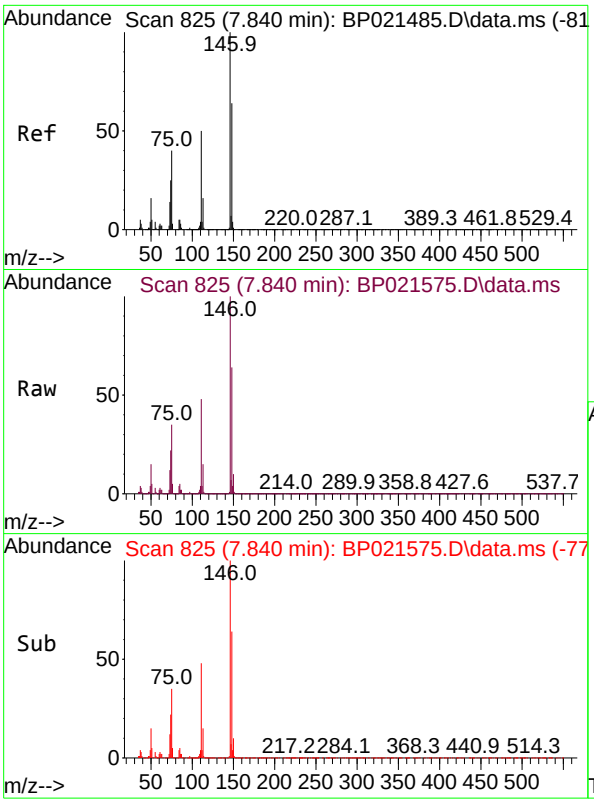


#12
1,3-Dichlorobenzene
Concen: 39.364 ng
RT: 7.699 min Scan# 801
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:146 Resp: 1084084

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.8	77.6
75	34.8	31.3	46.9

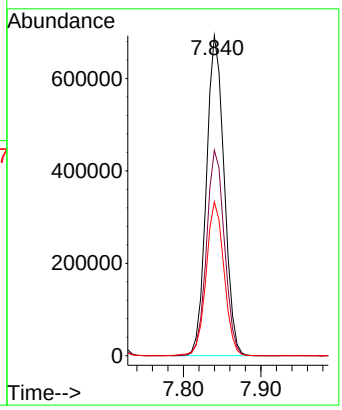




#13
1,4-Dichlorobenzene
Concen: 39.661 ng
RT: 7.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:146 Resp: 110292

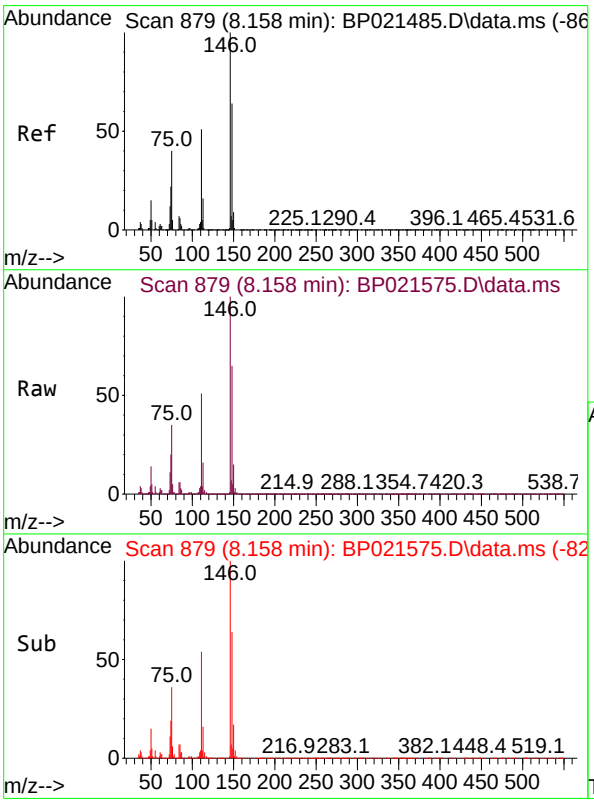
Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.5	77.3
111	48.0	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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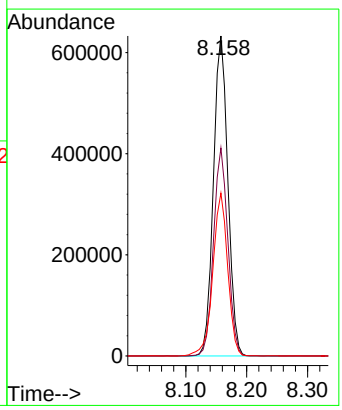
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

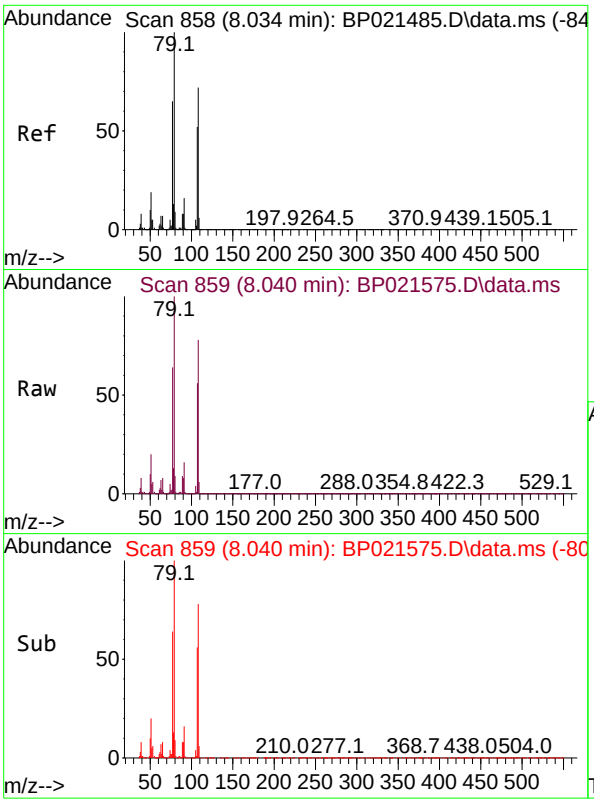


#14
1,2-Dichlorobenzene
Concen: 38.940 ng
RT: 8.158 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:146 Resp: 1043542

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.5	77.3
111	50.9	41.1	61.7





#15
Benzyl Alcohol
Concen: 38.673 ng
RT: 8.040 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

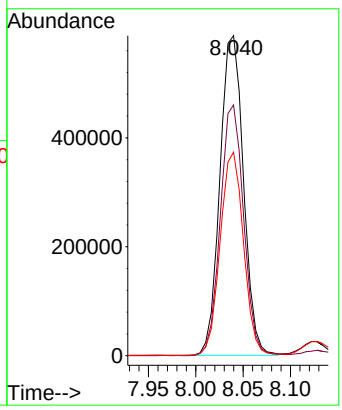
Tgt Ion: 79 Resp: 101554

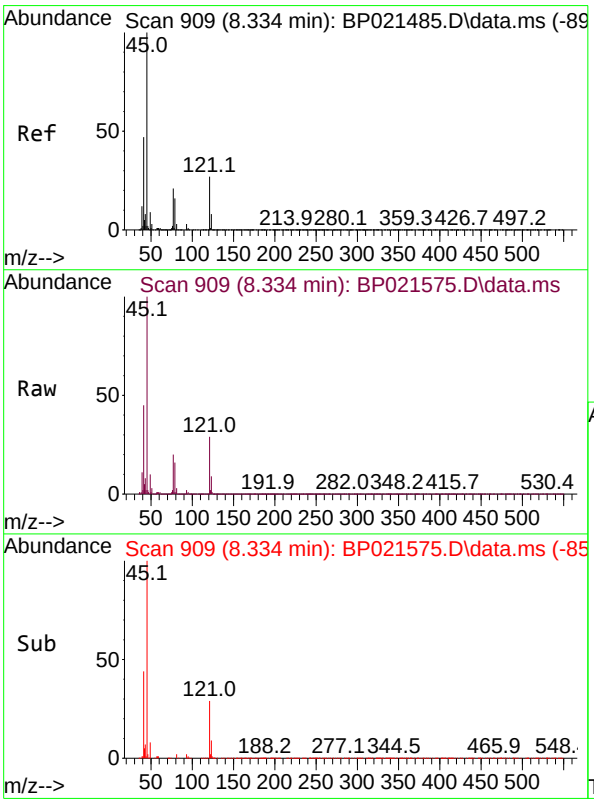
Ion	Ratio	Lower	Upper
79	100		
108	78.3	57.9	86.9
77	63.6	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

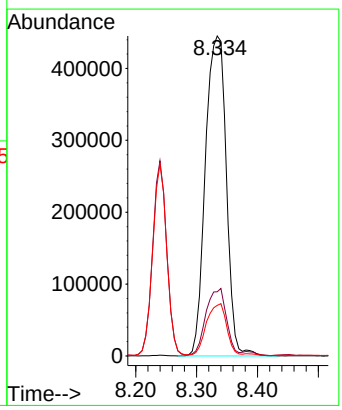


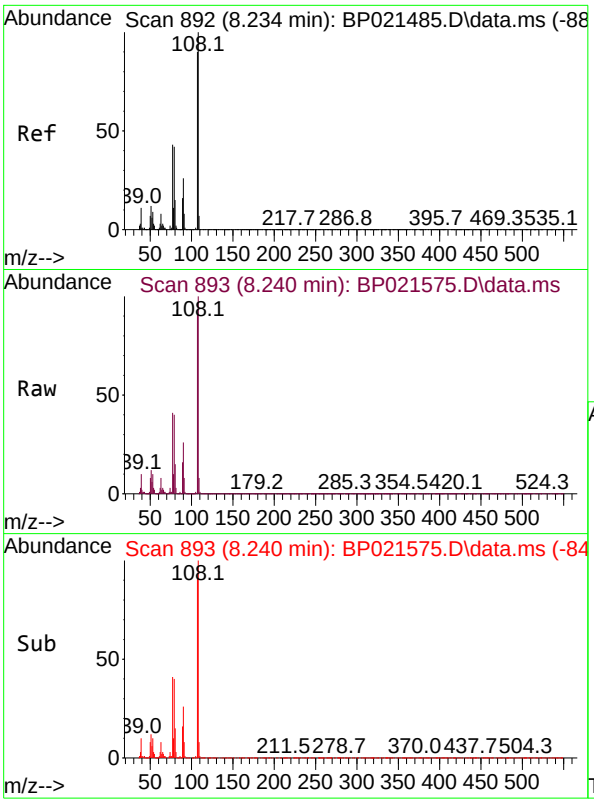


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.934 ng
RT: 8.334 min Scan# 909
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion: 45 Resp: 1061205

Ion	Ratio	Lower	Upper
45	100		
77	20.0	1.9	41.9
79	15.8	0.0	36.6

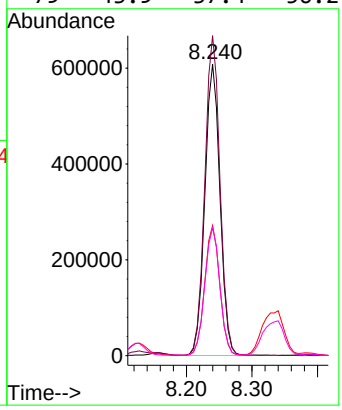




#17
2-Methylphenol
Concen: 40.769 ng
RT: 8.240 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:107 Resp: 97678

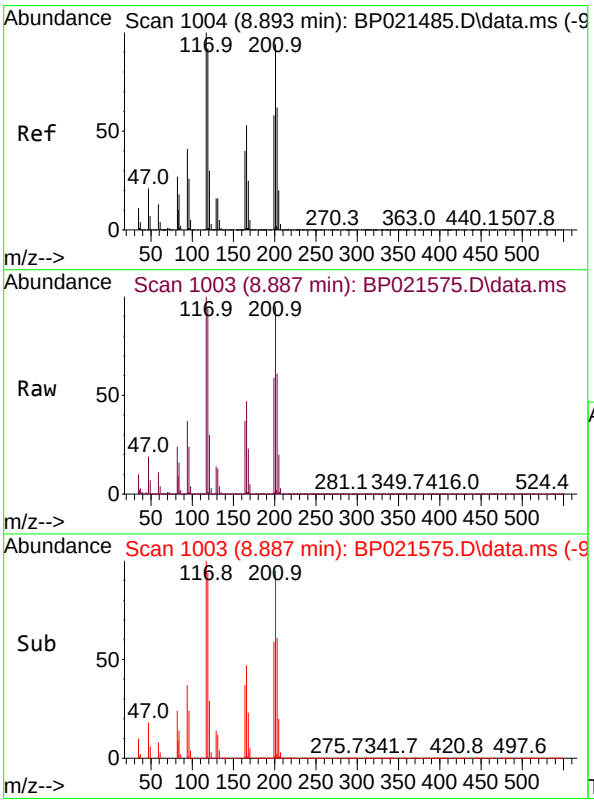
Ion	Ratio	Lower	Upper
107	100		
108	109.8	88.8	133.2
77	44.7	38.7	58.1
79	43.9	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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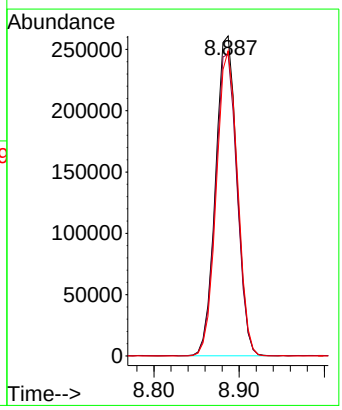
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

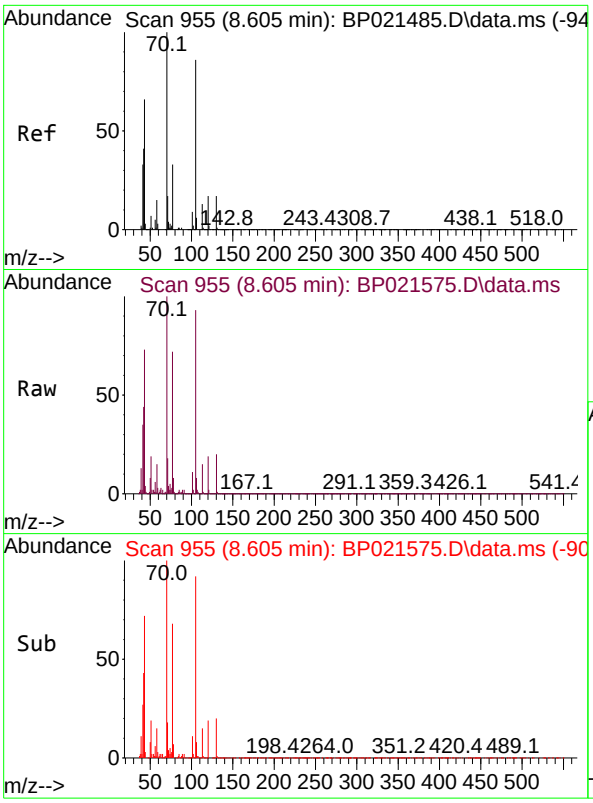


#18
Hexachloroethane
Concen: 40.786 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:117 Resp: 454819

Ion	Ratio	Lower	Upper
117	100		
119	94.3	73.9	110.9
201	95.3	74.9	112.3

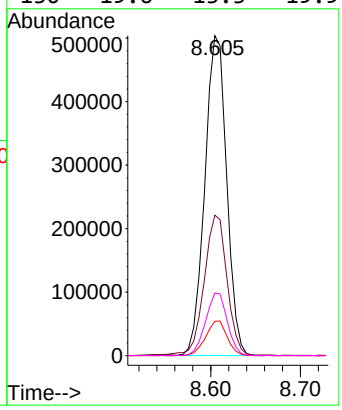




#19
n-Nitroso-di-n-propylamine
Concen: 33.637 ng
RT: 8.605 min Scan# 9
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

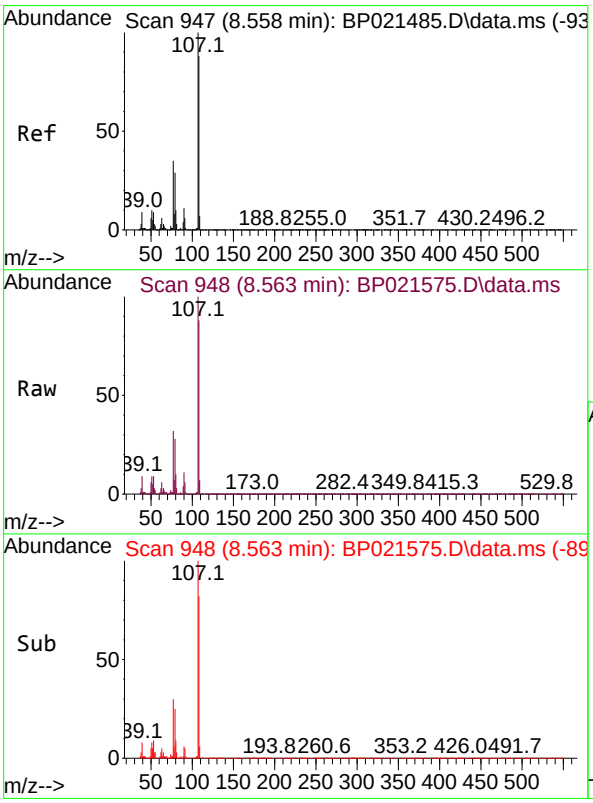
Tgt Ion: 70 Resp: 85037

Ion	Ratio	Lower	Upper
70	100		
42	43.9	33.1	49.7
101	10.7	7.4	11.2
130	19.6	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

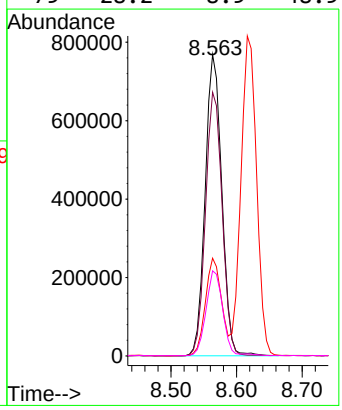
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

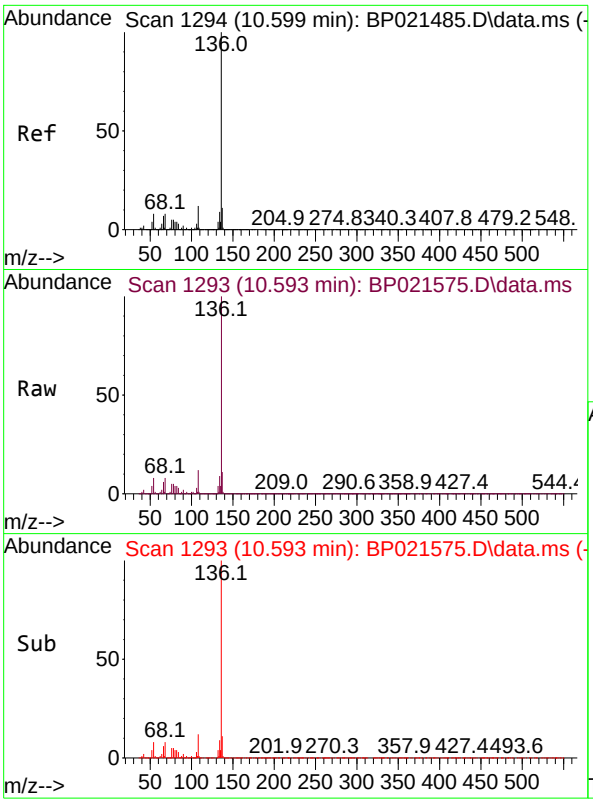


#20
3+4-Methylphenols
Concen: 41.976 ng
RT: 8.563 min Scan# 948
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:107 Resp: 1356088

Ion	Ratio	Lower	Upper
107	100		
108	87.5	67.6	107.6
77	32.4	15.0	55.0
79	28.2	8.9	48.9

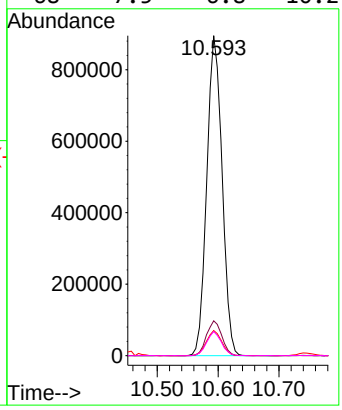




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:136 Resp: 156375

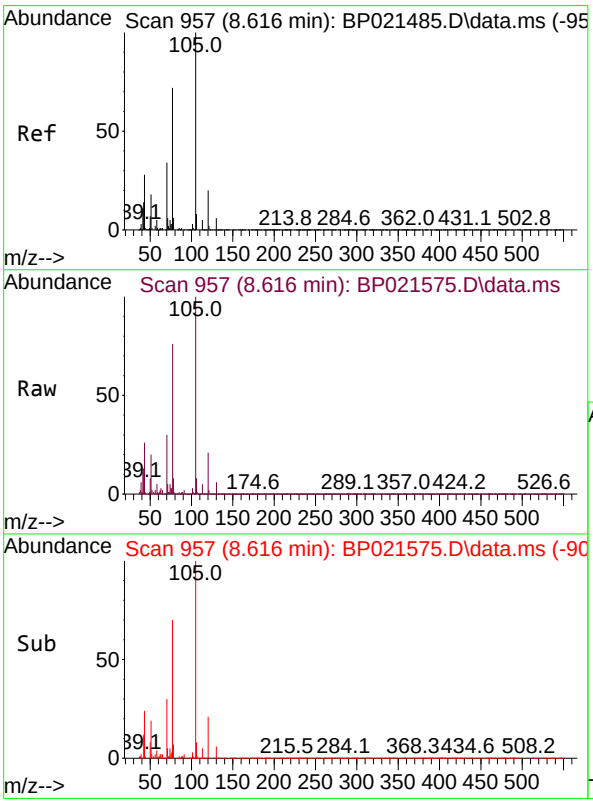
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.9	6.3	9.5
68	7.5	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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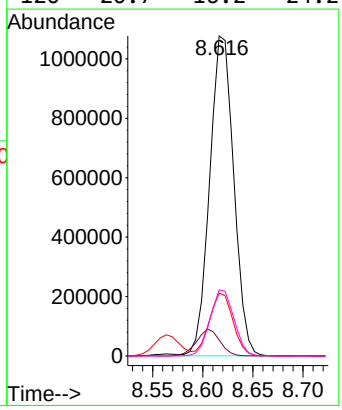
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

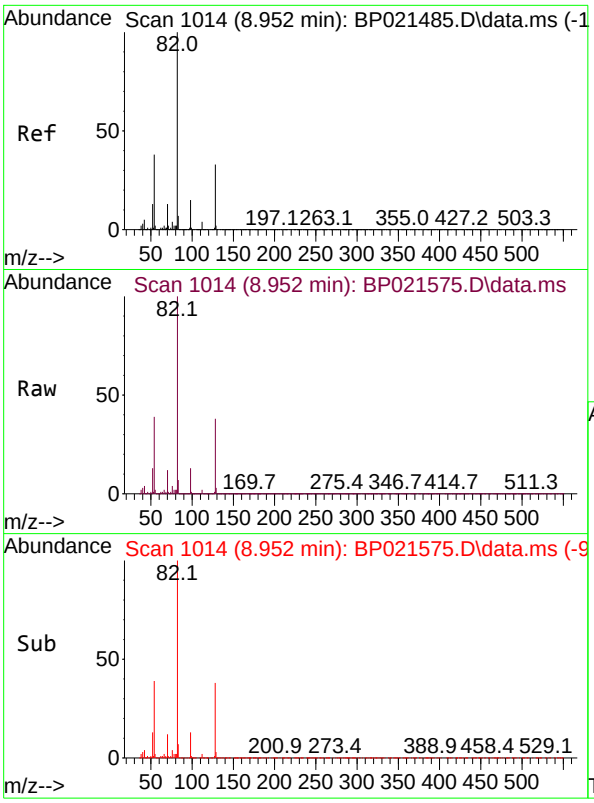


#22
Acetophenone
Concen: 37.514 ng
RT: 8.616 min Scan# 957
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:105 Resp: 1802202

Ion	Ratio	Lower	Upper
105	100		
71	5.0	4.6	7.0
51	19.7	16.3	24.5
120	20.7	16.2	24.2

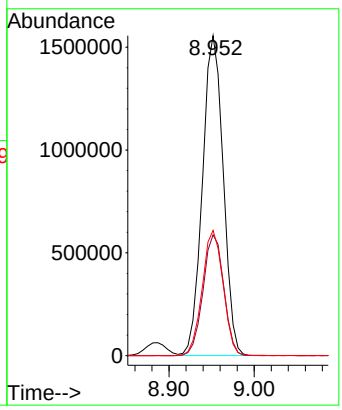




#23
Nitrobenzene-d5
Concen: 86.924 ng
RT: 8.952 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion: 82 Resp: 263349

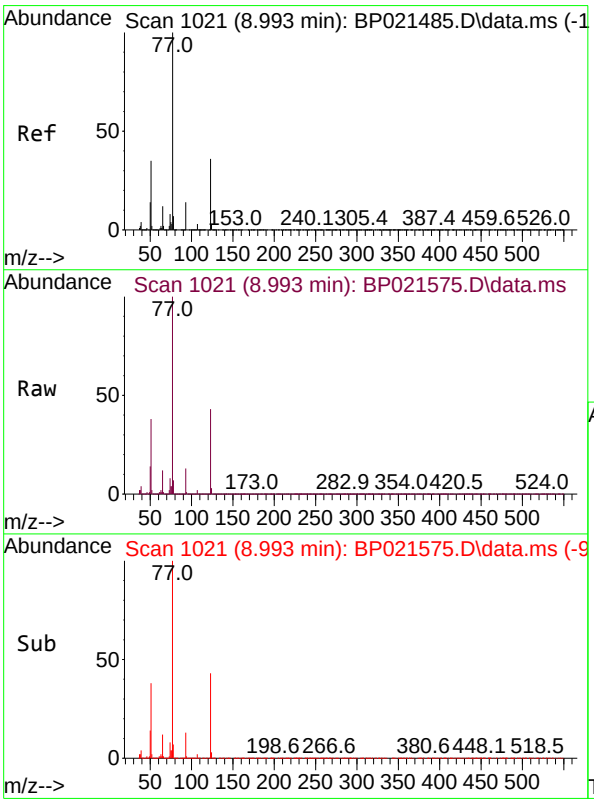
Ion	Ratio	Lower	Upper
82	100		
128	37.8	26.5	39.7
54	39.1	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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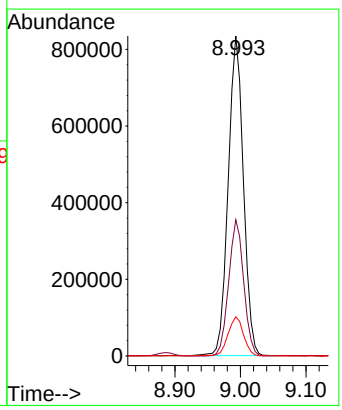
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

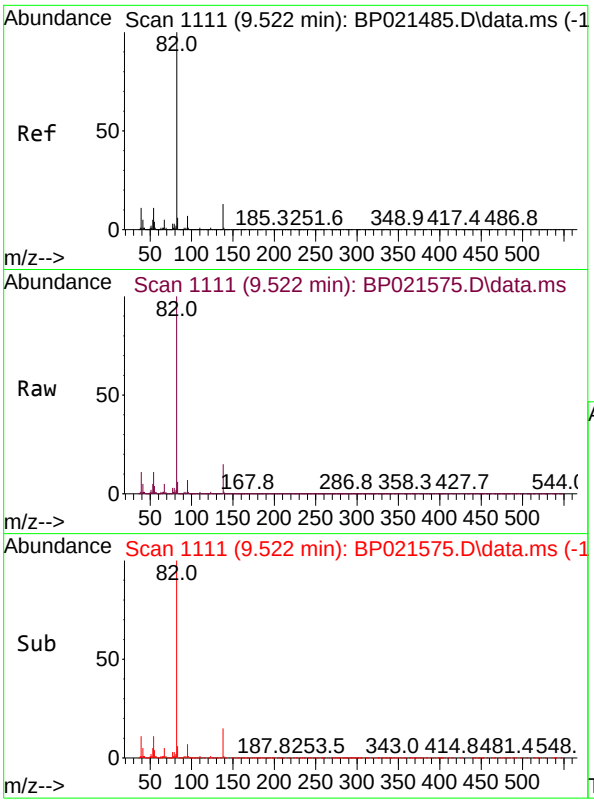


#24
Nitrobenzene
Concen: 40.876 ng
RT: 8.993 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion: 77 Resp: 1345015

Ion	Ratio	Lower	Upper
77	100		
123	42.6	29.5	44.3
65	12.3	9.9	14.9





#25
Isophorone
Concen: 35.467 ng
RT: 9.522 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

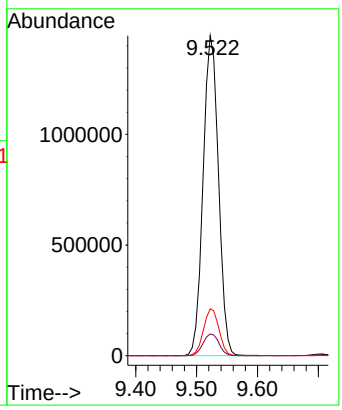
Tgt Ion: 82 Resp: 253849

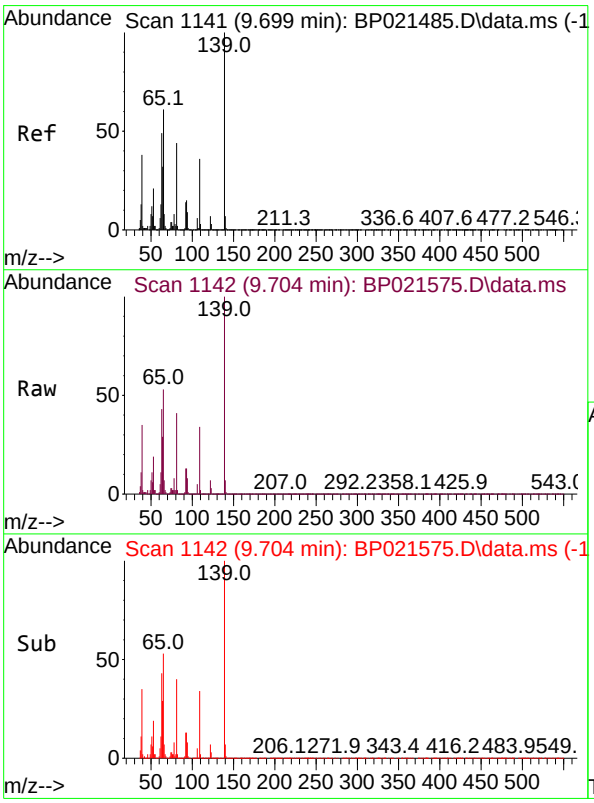
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	14.7	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 08/21/2024
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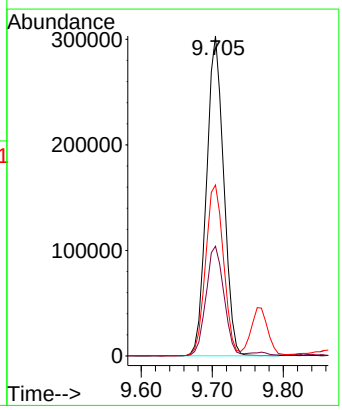


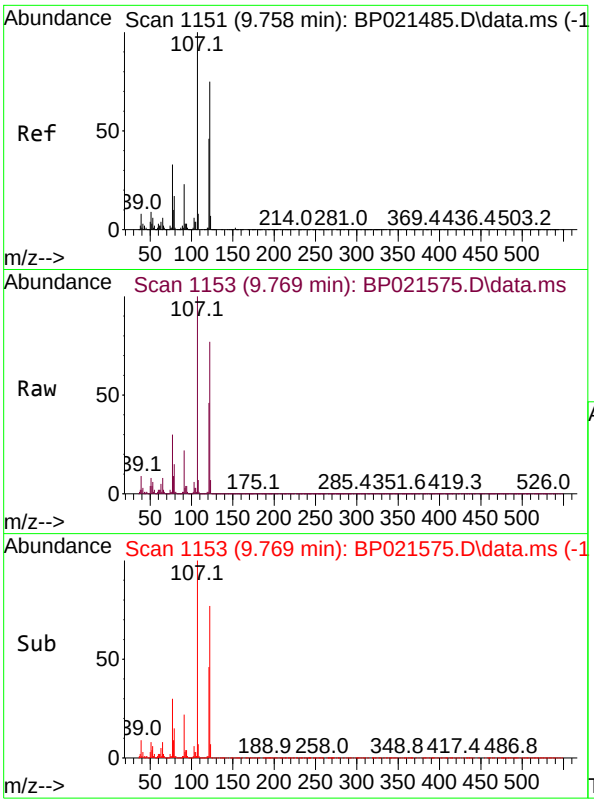


#26
2-Nitrophenol
Concen: 56.363 ng
RT: 9.704 min Scan# 1142
Delta R.T. 0.005 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:139 Resp: 508327

Ion	Ratio	Lower	Upper
139	100		
109	34.3	28.9	43.3
65	53.4	49.0	73.6





#27
2,4-Dimethylphenol
Concen: 40.260 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

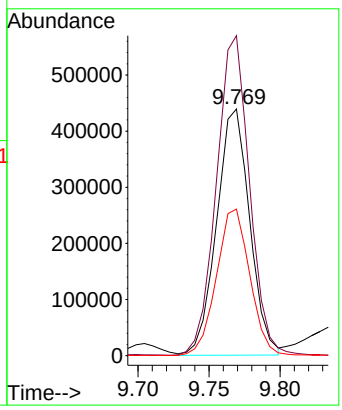
Tgt Ion:122 Resp: 71112

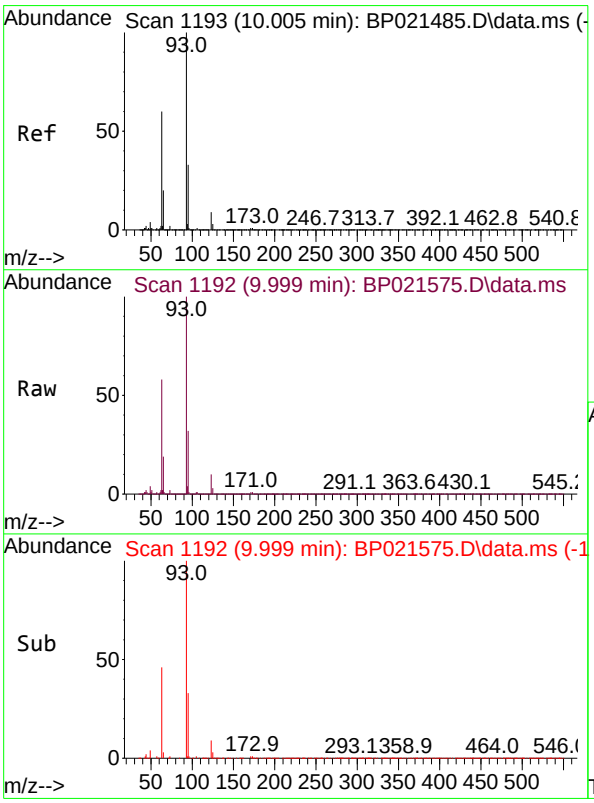
Ion	Ratio	Lower	Upper
122	100		
107	129.7	106.2	159.4
121	59.4	48.8	73.2

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

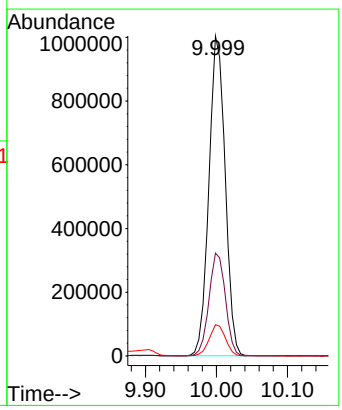


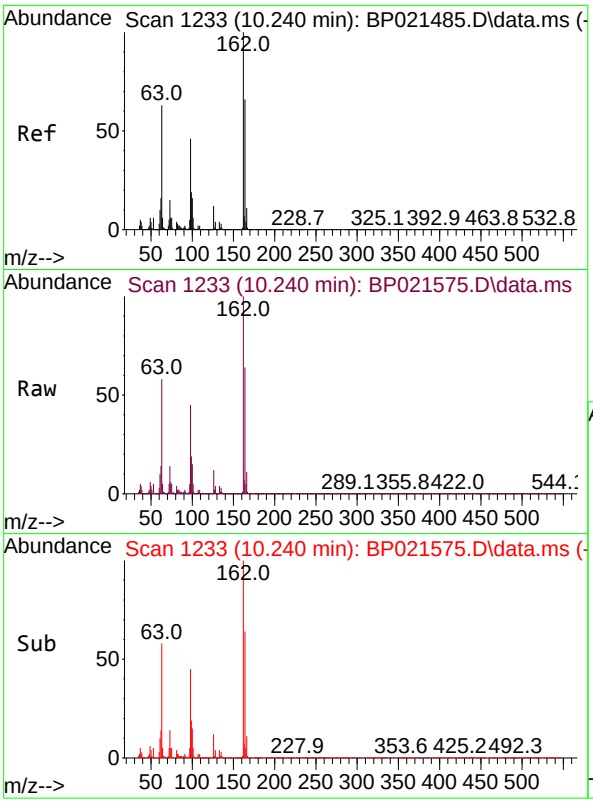


#28
bis(2-Chloroethoxy)methane
Concen: 36.474 ng
RT: 9.999 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion: 93 Resp: 1593547

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.2	39.4
123	9.7	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 45.397 ng
RT: 10.240 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

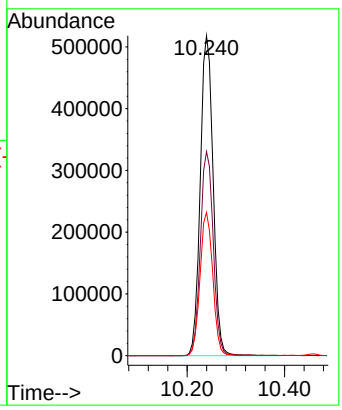
Tgt Ion:162 Resp: 94743

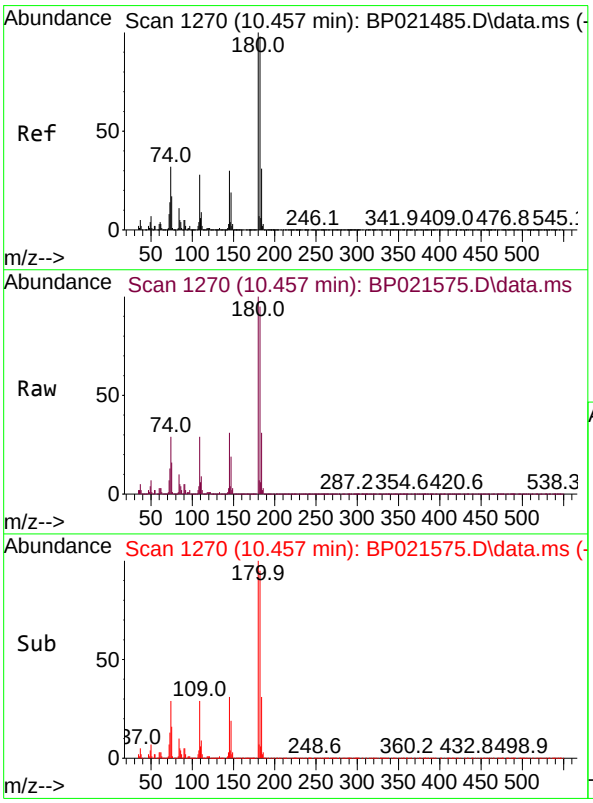
Ion	Ratio	Lower	Upper
162	100		
164	63.8	45.9	85.9
98	44.8	26.3	66.3

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 08/22/2024

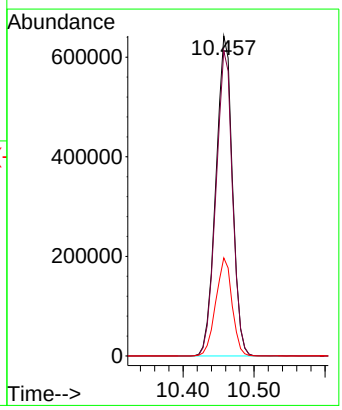


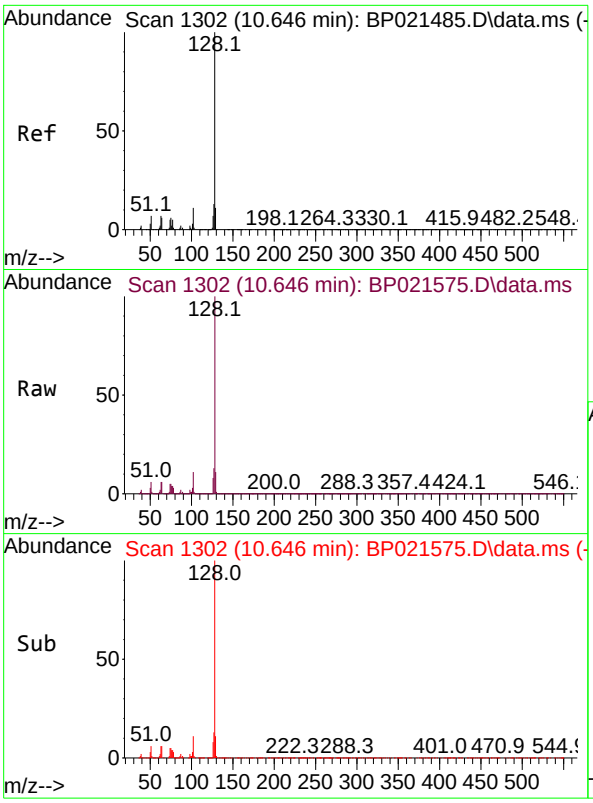


#30
1,2,4-Trichlorobenzene
Concen: 38.758 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:180 Resp: 1037019

Ion	Ratio	Lower	Upper
180	100		
182	95.4	78.3	117.5
145	30.7	24.0	36.0

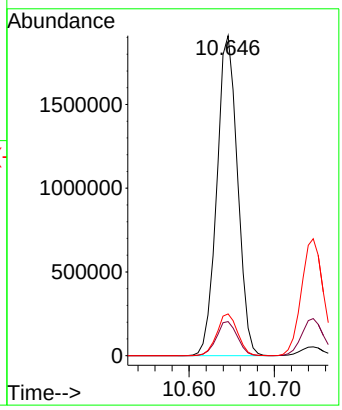




#31
Naphthalene
Concen: 39.419 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:128 Resp: 322020

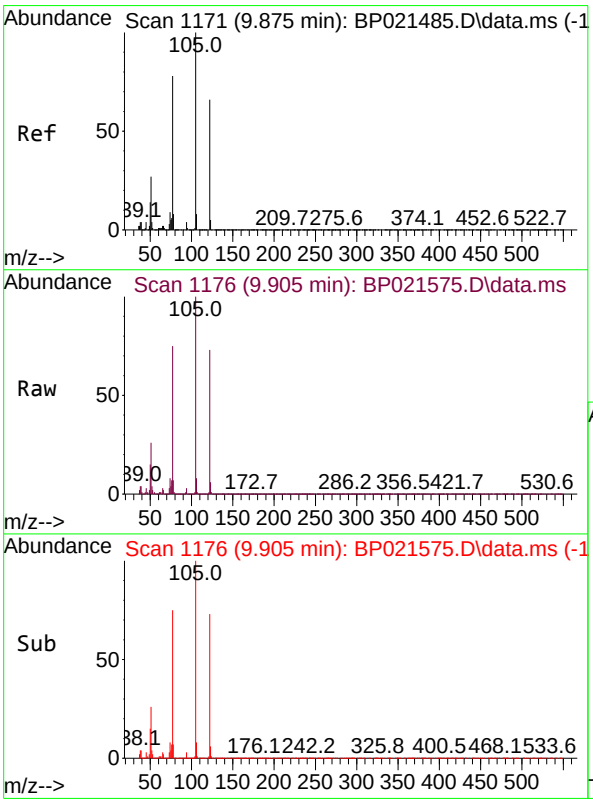
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	12.8
127	13.0	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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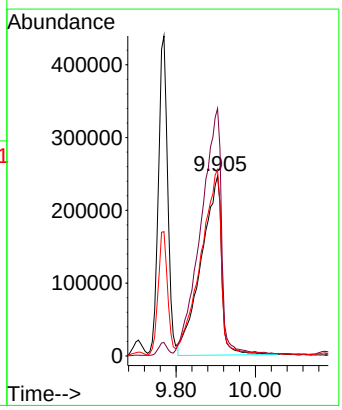
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

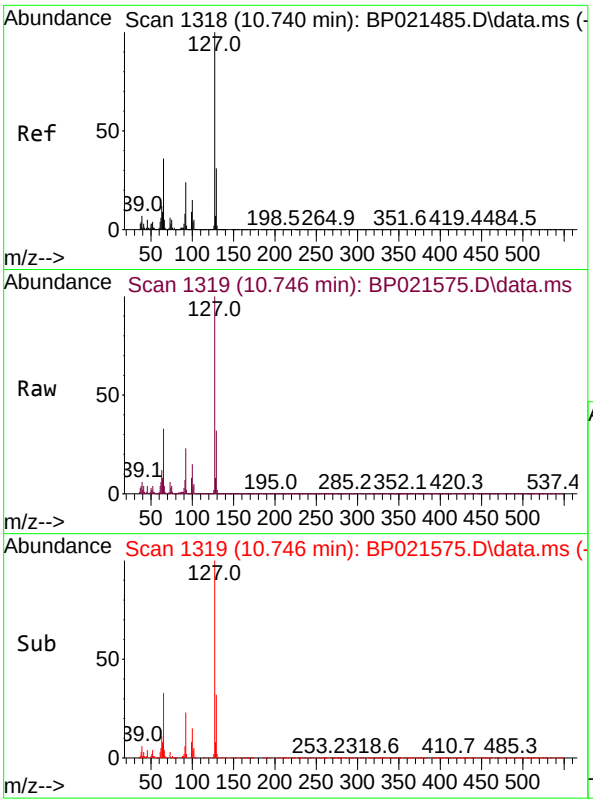


#32
Benzoic acid
Concen: 65.645 ng
RT: 9.905 min Scan# 1176
Delta R.T. 0.030 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:122 Resp: 875031

Ion	Ratio	Lower	Upper
122	100		
105	137.7	124.6	164.6
77	103.6	96.2	136.2

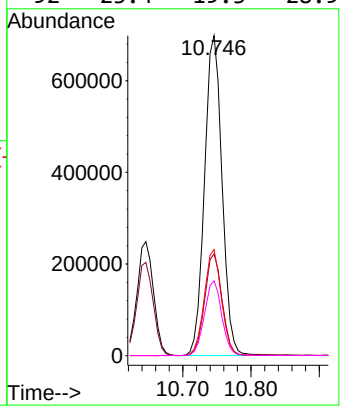




#33
4-Chloroaniline
Concen: 40.788 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:127 Resp: 125160

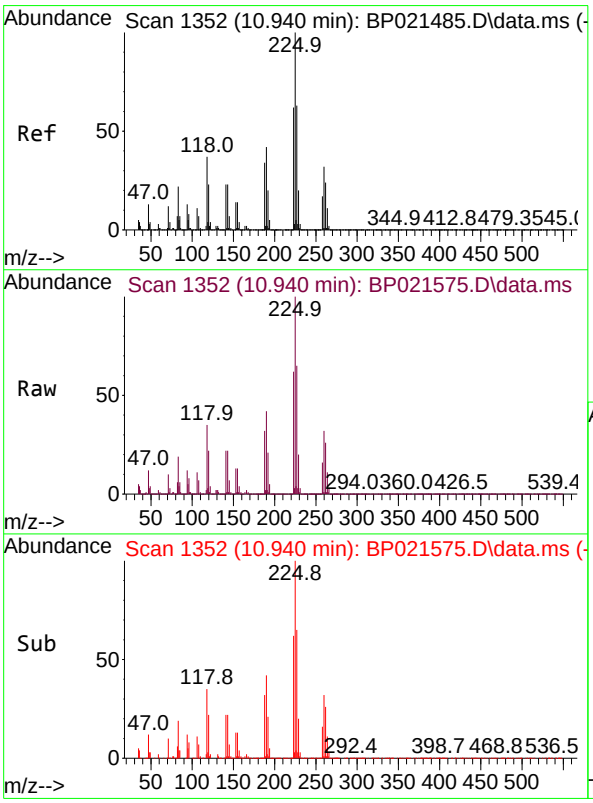
Ion	Ratio	Lower	Upper
127	100		
129	31.8	24.5	36.7
65	33.2	28.9	43.3
92	23.4	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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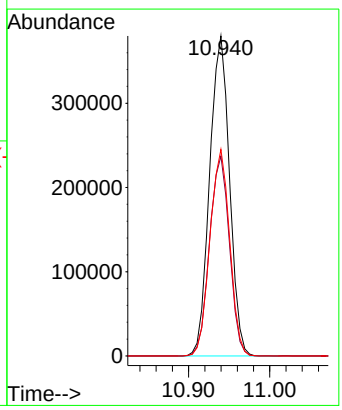
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

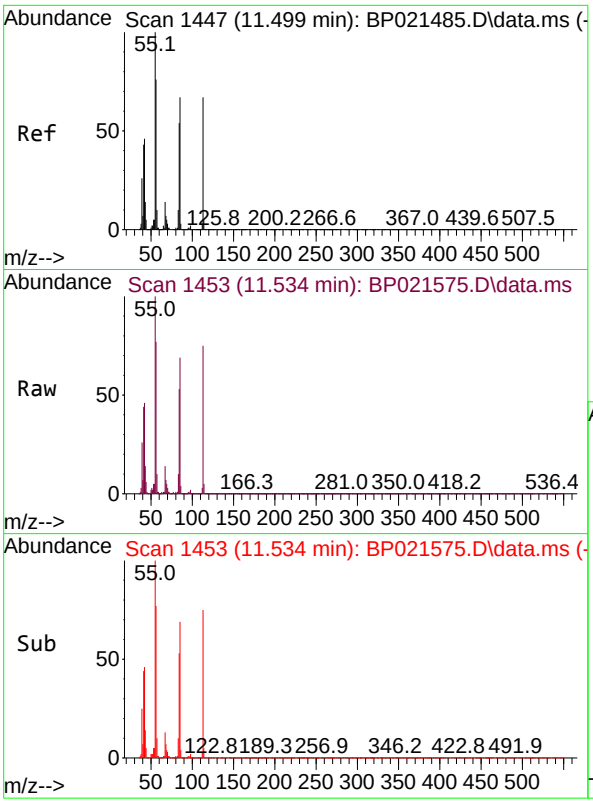


#34
Hexachlorobutadiene
Concen: 38.319 ng
RT: 10.940 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:225 Resp: 645550

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.6	74.4
227	64.6	50.1	75.1





#35
Caprolactam
Concen: 47.892 ng
RT: 11.534 min Scan# 14
Delta R.T. 0.035 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

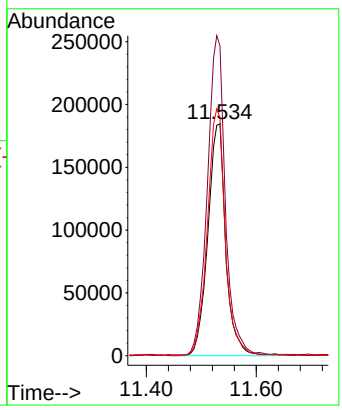
Tgt Ion:113 Resp: 41603

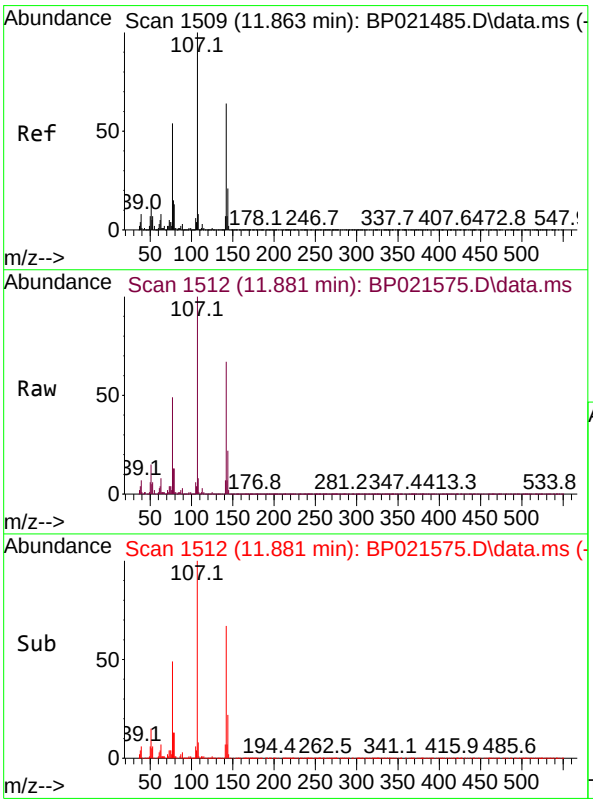
Ion	Ratio	Lower	Upper
113	100		
55	133.6	130.6	170.6
56	102.6	94.6	134.6

Instrument :
BNA_P
ClientSampleId :
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Reviewed By :Yogesh Patel 08/21/2024
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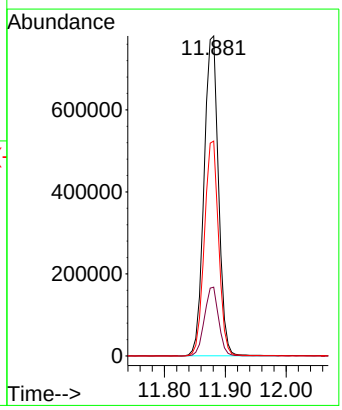


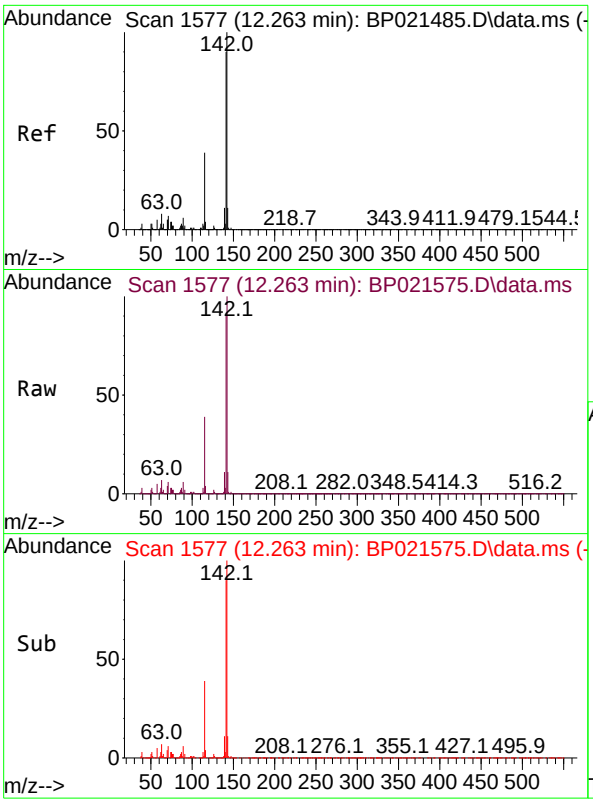


#36
4-Chloro-3-methylphenol
Concen: 44.353 ng
RT: 11.881 min Scan# 1512
Delta R.T. 0.018 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:107 Resp: 1284015

Ion	Ratio	Lower	Upper
107	100		
144	21.5	16.6	24.8
142	67.2	51.0	76.4

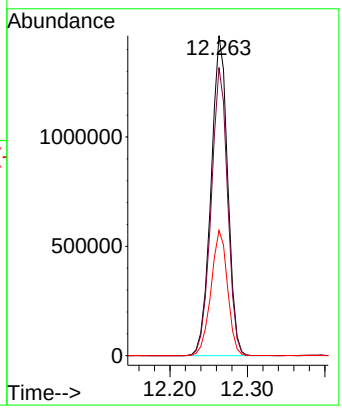




#37
2-Methylnaphthalene
Concen: 39.219 ng
RT: 12.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:142 Resp: 218659

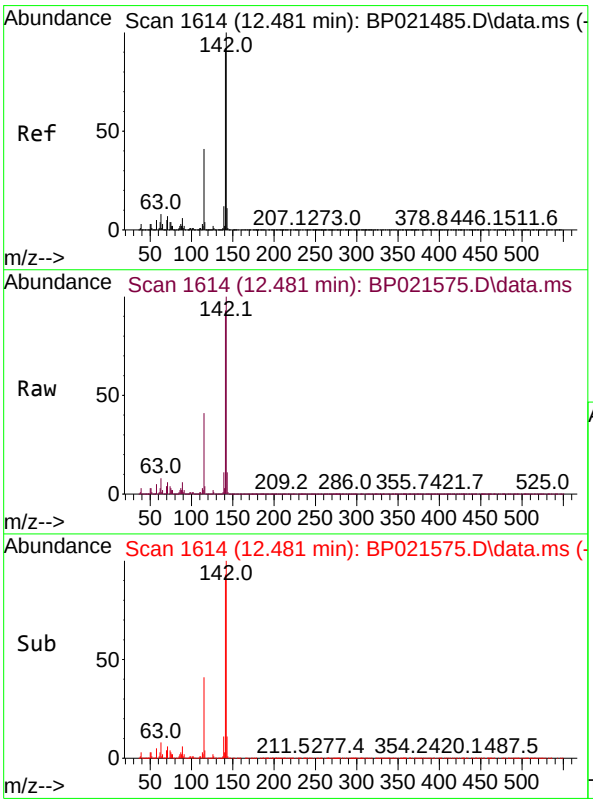
Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.7	107.5
115	39.1	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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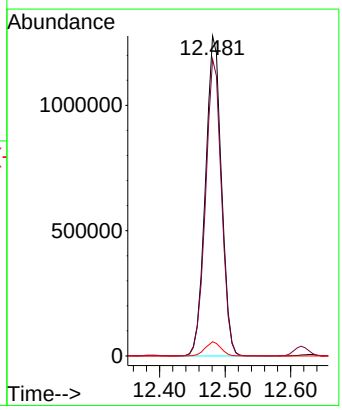
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

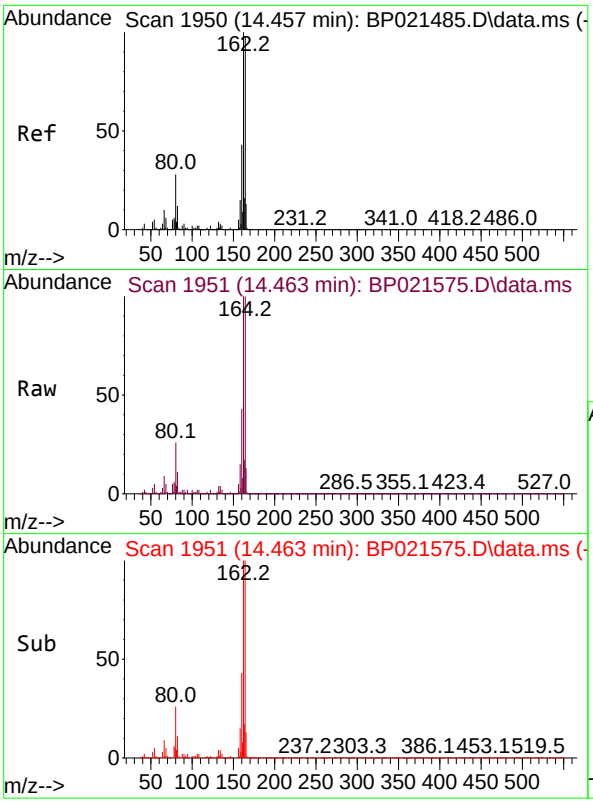


#38
1-Methylnaphthalene
Concen: 39.399 ng
RT: 12.481 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:142 Resp: 2166454

Ion	Ratio	Lower	Upper
142	100		
141	92.7	73.5	110.3
116	4.5	3.4	5.2

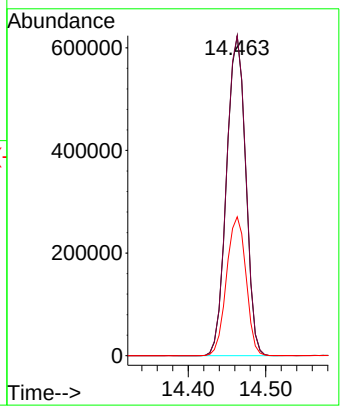




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:164 Resp: 106884

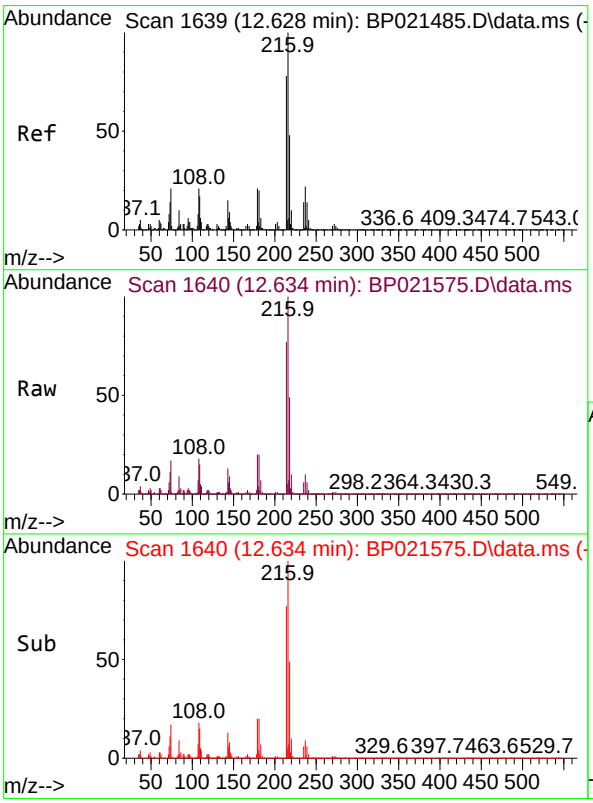
Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.5	122.3
160	43.4	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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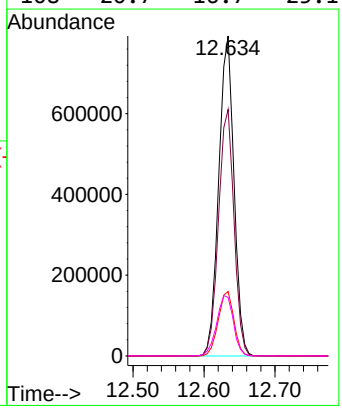
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

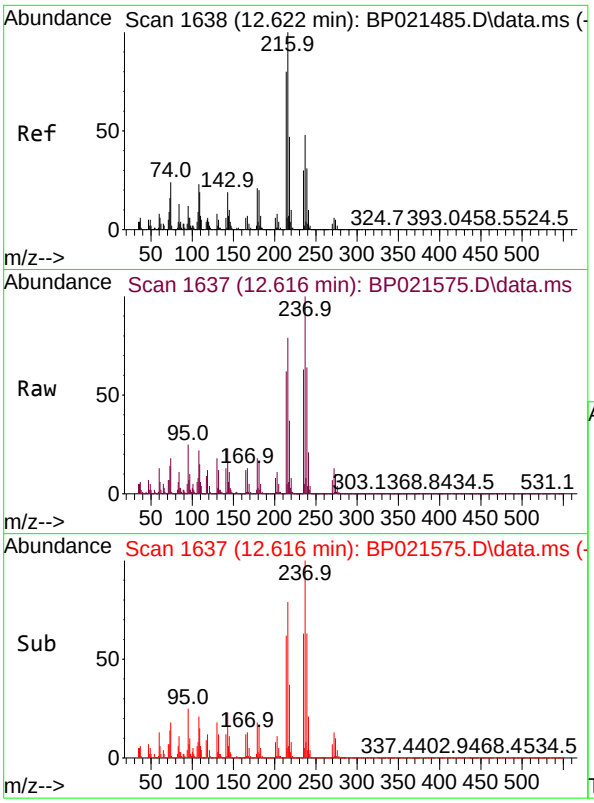


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.541 ng
RT: 12.634 min Scan# 1640
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:216 Resp: 1175676

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.5	93.7
179	20.6	16.4	24.6
108	20.7	16.7	25.1

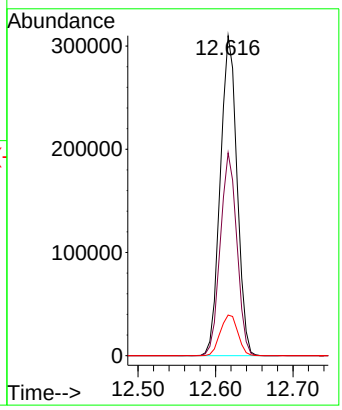




#41
Hexachlorocyclopentadiene
Concen: 46.834 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:237 Resp: 46485

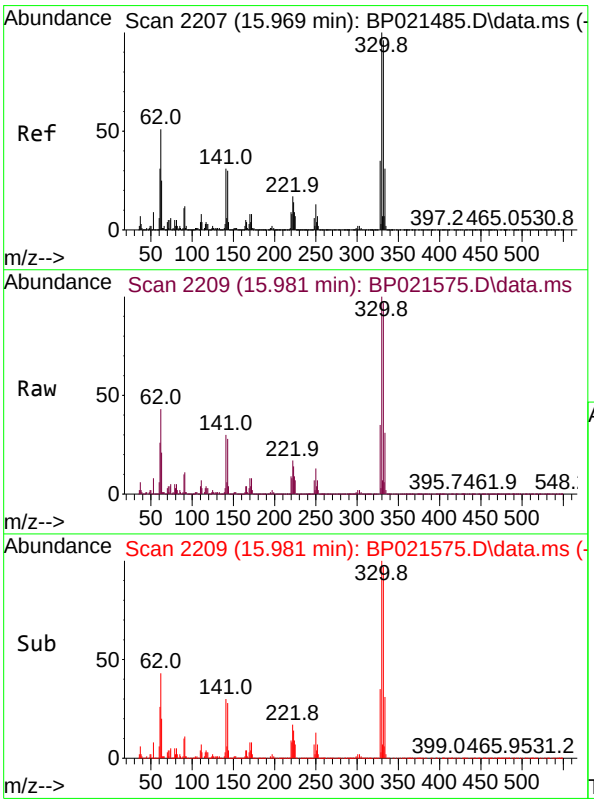
Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.9	83.9
272	12.7	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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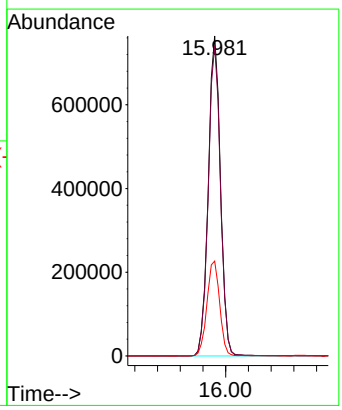
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

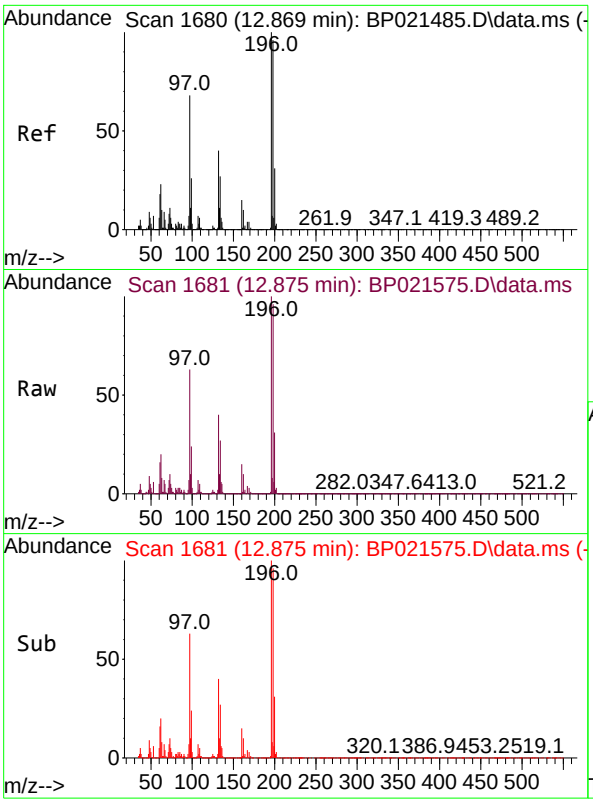


#42
2,4,6-Tribromophenol
Concen: 95.320 ng
RT: 15.981 min Scan# 2209
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:330 Resp: 1133914

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.0
141	31.0	24.5	36.7

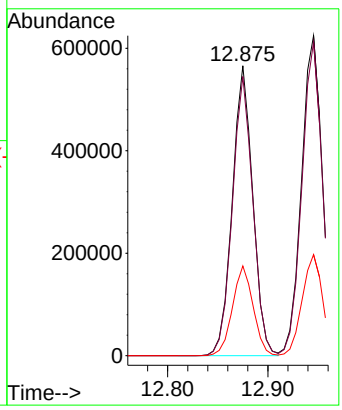




#43
2,4,6-Trichlorophenol
Concen: 46.287 ng
RT: 12.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:196 Resp: 80521

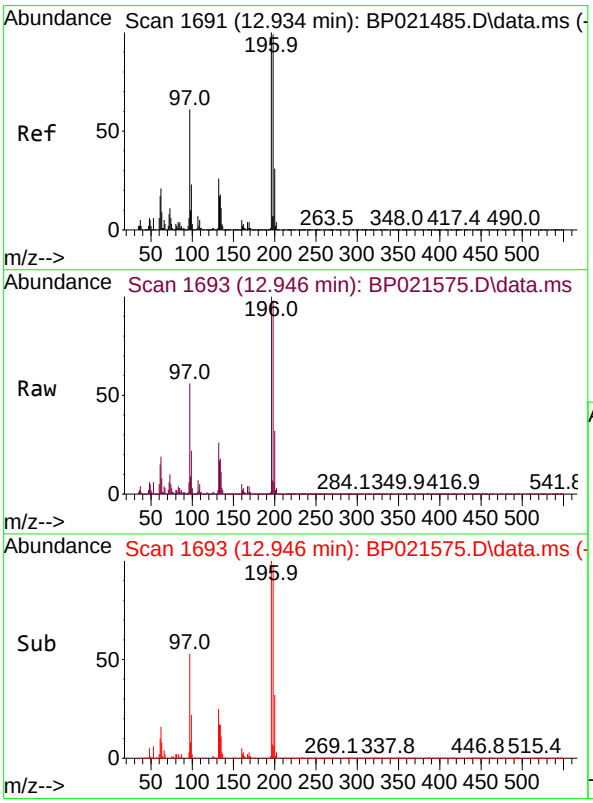
Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.6	114.8
200	30.9	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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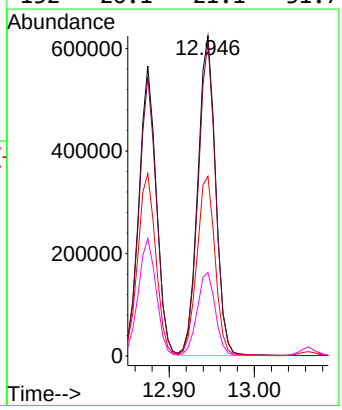
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

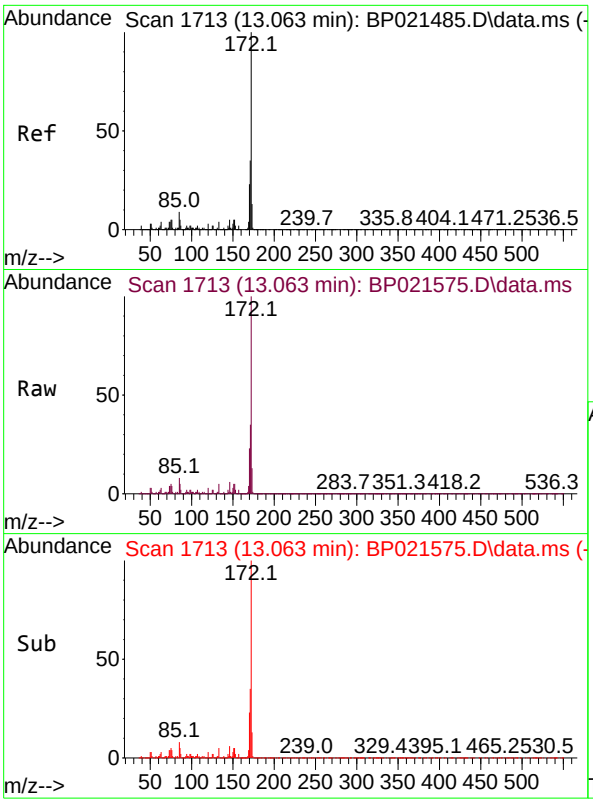


#44
2,4,5-Trichlorophenol
Concen: 46.667 ng
RT: 12.946 min Scan# 1693
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:196 Resp: 901983

Ion	Ratio	Lower	Upper
196	100		
198	98.0	78.9	118.3
97	56.1	49.4	74.0
132	26.1	21.1	31.7

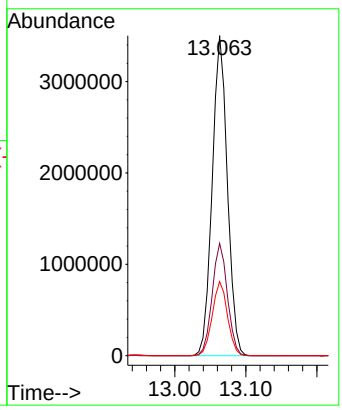




#45
2-Fluorobiphenyl
Concen: 73.981 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:172 Resp: 518127

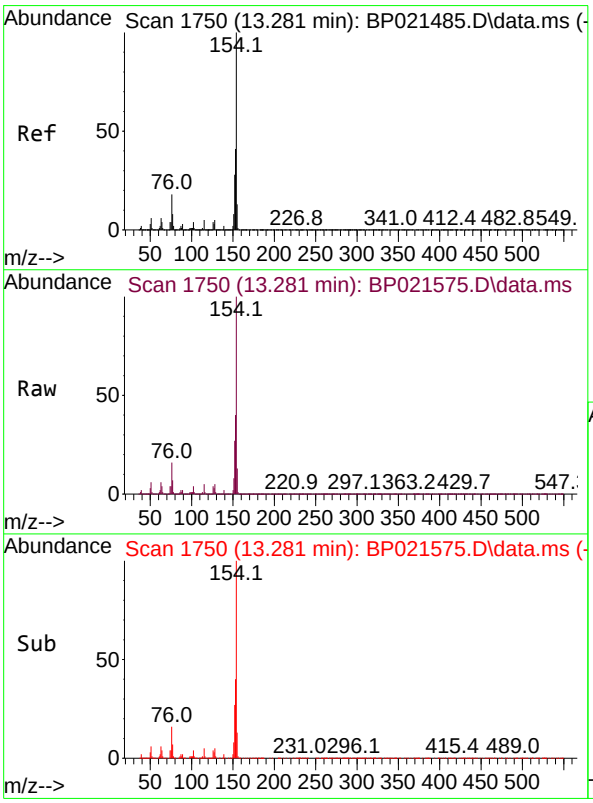
Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.2	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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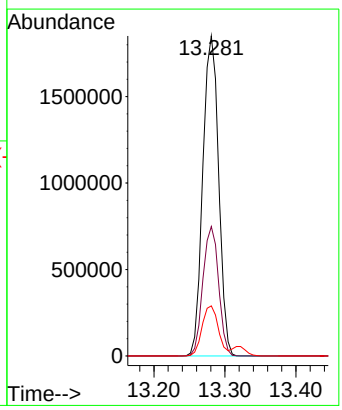
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

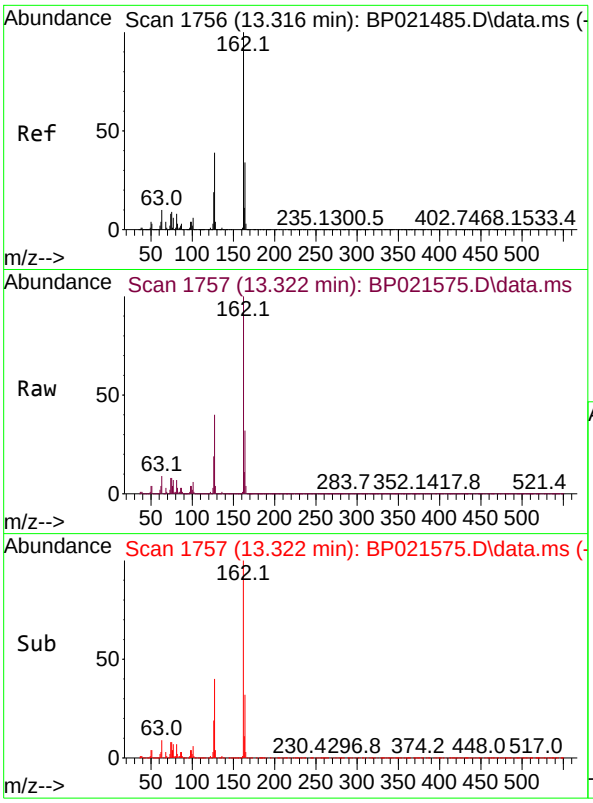


#46
1,1'-Biphenyl
Concen: 37.962 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:154 Resp: 2870734

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.7	60.7
76	15.7	0.0	37.7

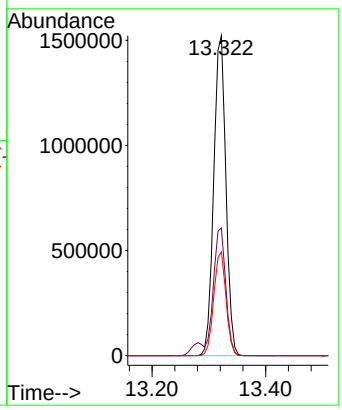




#47
2-Chloronaphthalene
Concen: 38.359 ng
RT: 13.322 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:162 Resp: 225835

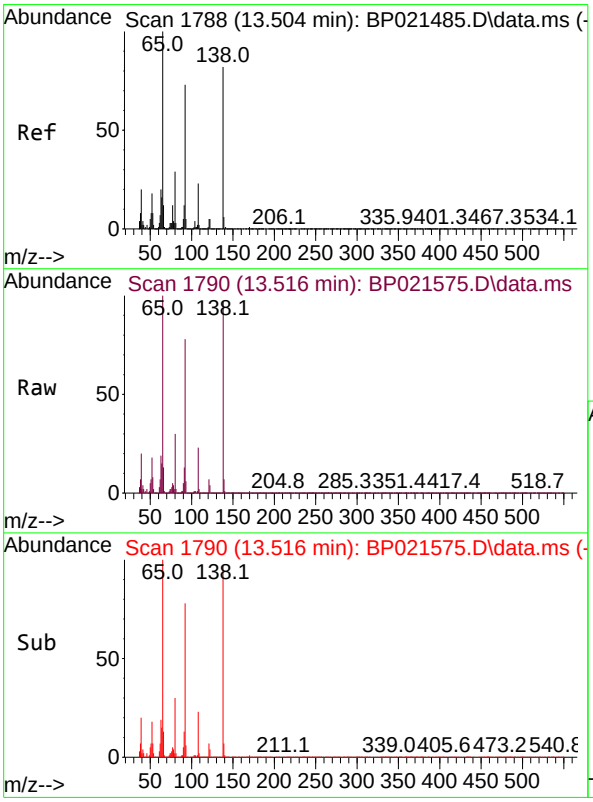
Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.9	47.9
164	32.4	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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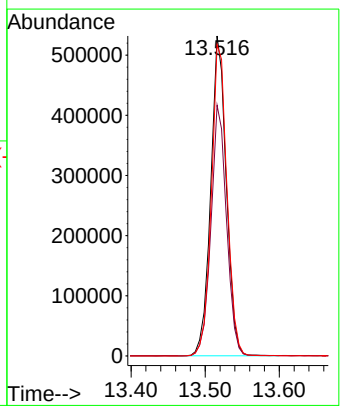
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

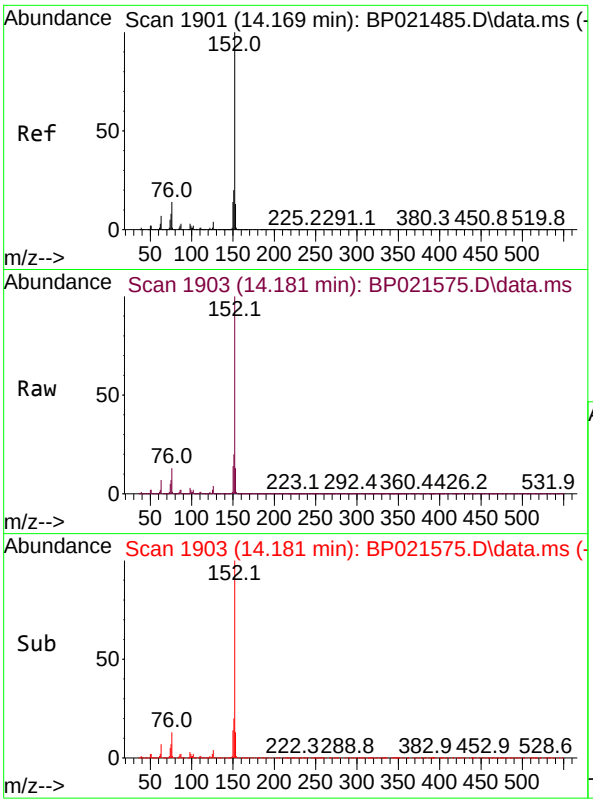


#48
2-Nitroaniline
Concen: 47.126 ng
RT: 13.516 min Scan# 1790
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion: 65 Resp: 775883

Ion	Ratio	Lower	Upper
65	100		
92	78.4	58.1	87.1
138	97.3	65.5	98.3

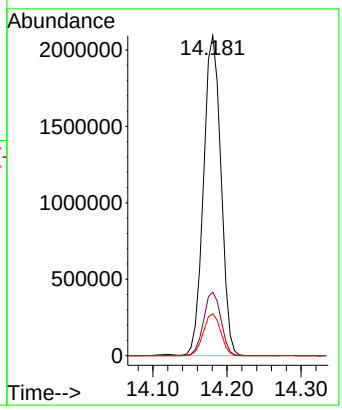




#49
Acenaphthylene
Concen: 39.430 ng
RT: 14.181 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:152 Resp: 341261

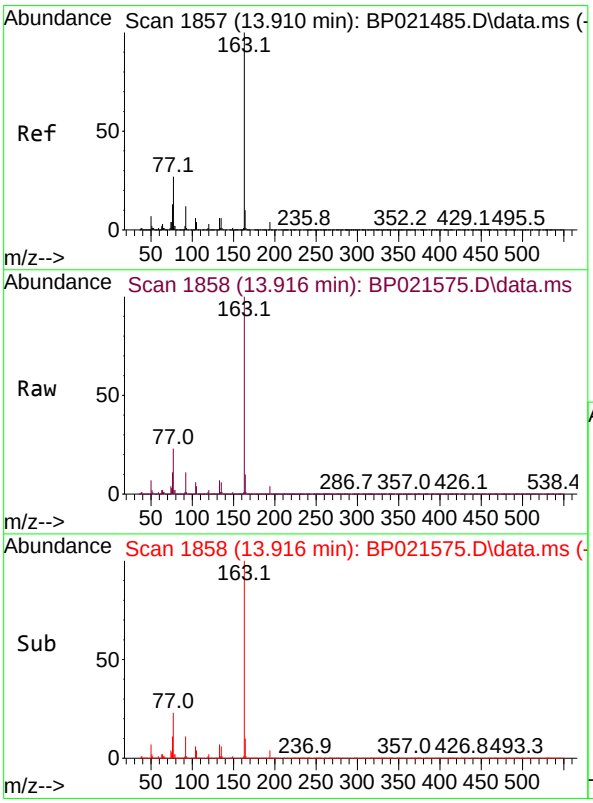
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.1	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

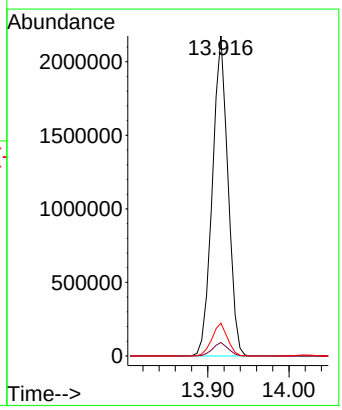
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

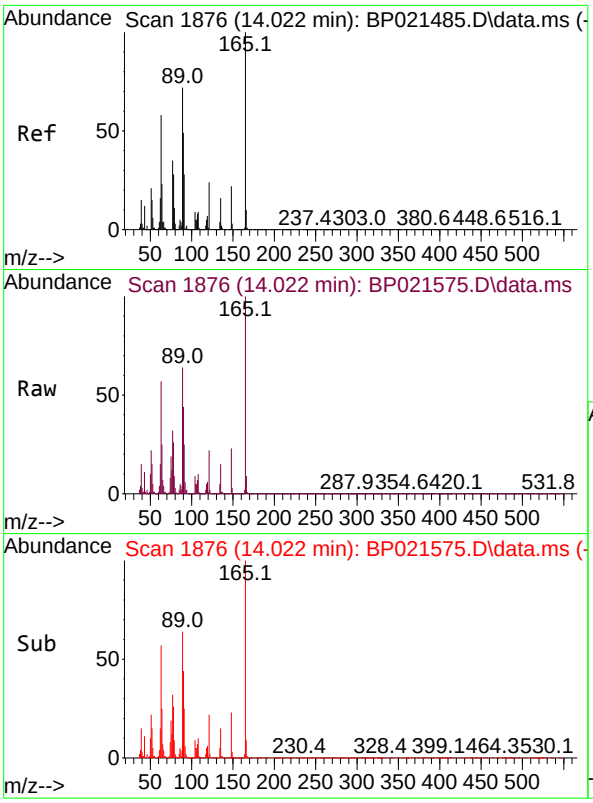


#50
Dimethylphthalate
Concen: 40.557 ng
RT: 13.916 min Scan# 1858
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:163 Resp: 2903067

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.3	8.3	12.5

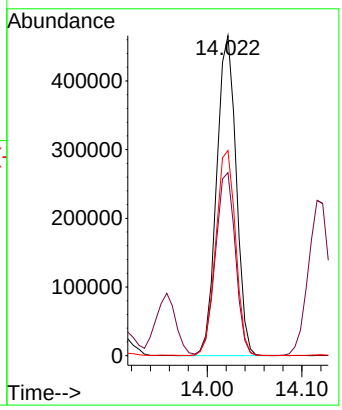




#51
2,6-Dinitrotoluene
Concen: 46.431 ng
RT: 14.022 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:165 Resp: 66845

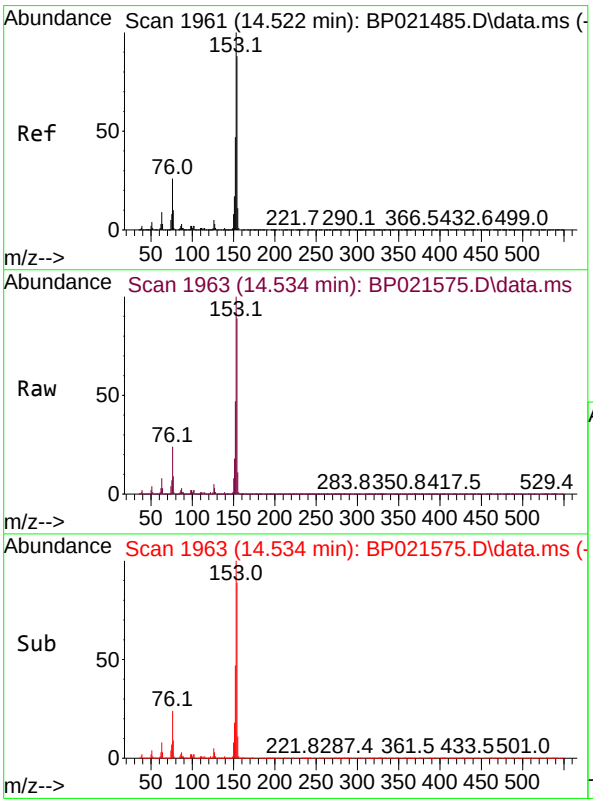
Ion	Ratio	Lower	Upper
165	100		
63	57.2	51.5	77.3
89	64.1	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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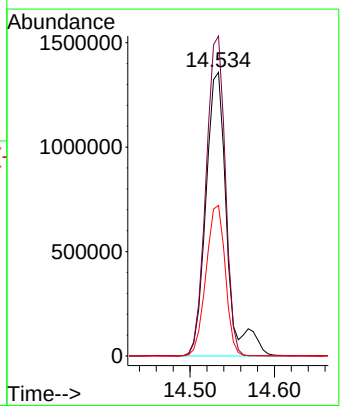
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

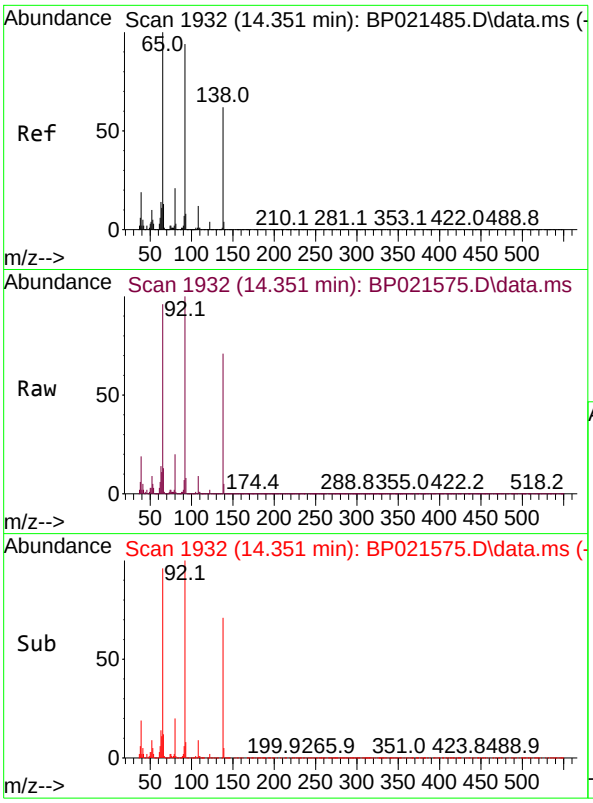


#52
Acenaphthene
Concen: 41.294 ng m
RT: 14.534 min Scan# 1963
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:154 Resp: 2344983

Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.1	136.7
152	53.0	43.0	64.4

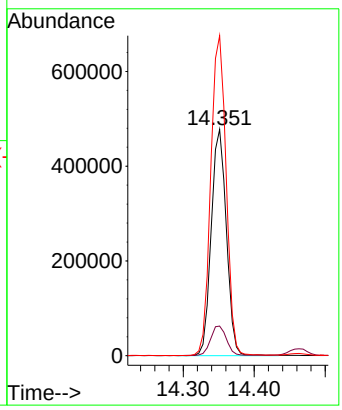




#53
3-Nitroaniline
Concen: 49.513 ng
RT: 14.351 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:138 Resp: 70484

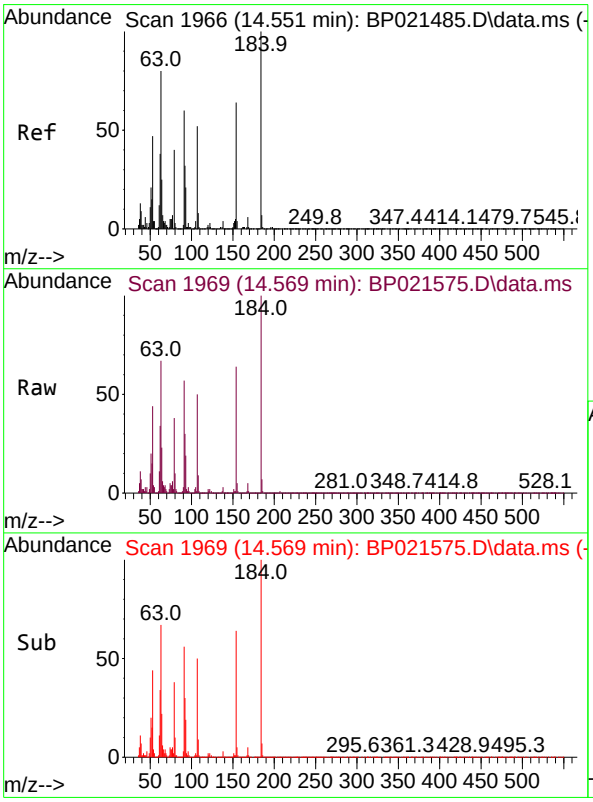
Ion	Ratio	Lower	Upper
138	100		
108	13.1	16.2	24.4
92	141.5	122.2	183.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

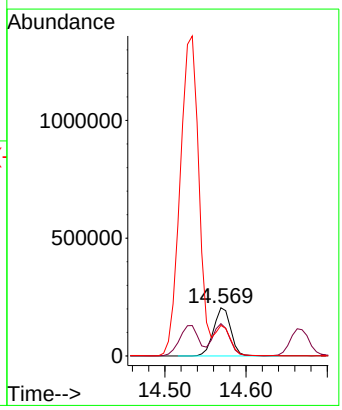
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

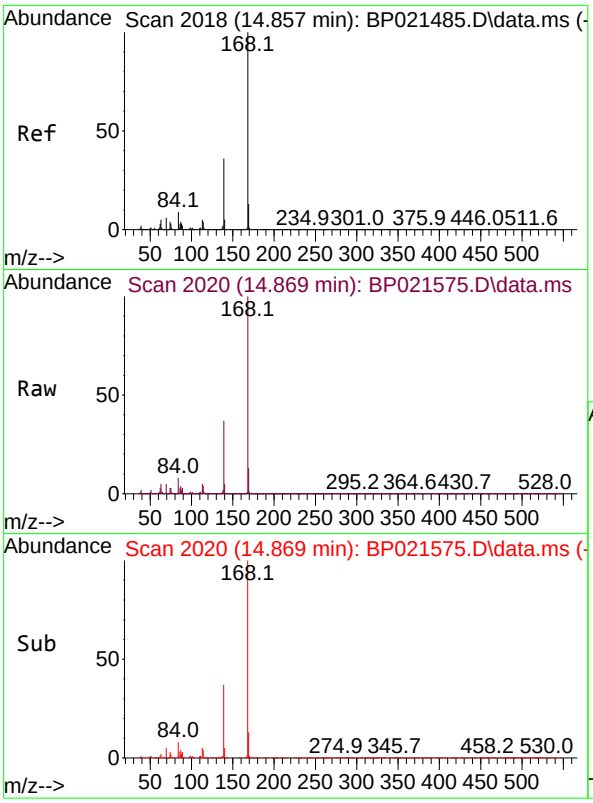


#54
2,4-Dinitrophenol
Concen: 66.049 ng
RT: 14.569 min Scan# 1969
Delta R.T. 0.018 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:184 Resp: 301078

Ion	Ratio	Lower	Upper
184	100		
63	67.1	64.9	97.3
154	63.6	52.1	78.1

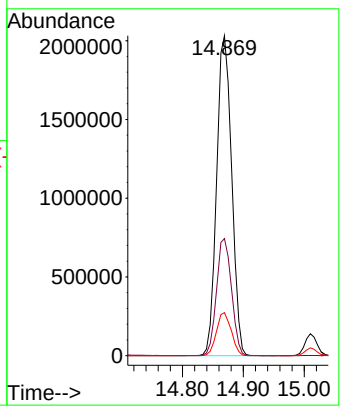




#55
Dibenzofuran
Concen: 39.716 ng
RT: 14.869 min Scan# 2
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:168 Resp: 346947

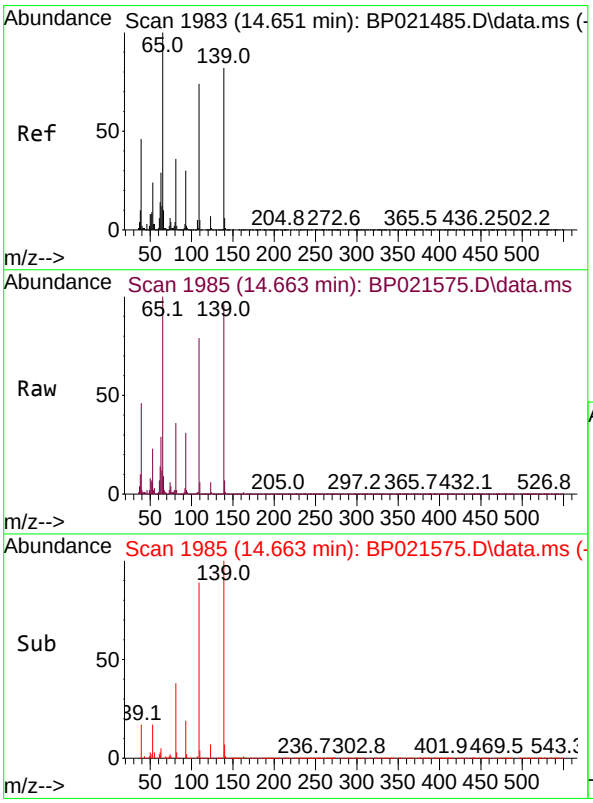
Ion	Ratio	Lower	Upper
168	100		
139	36.6	28.6	43.0
169	13.4	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

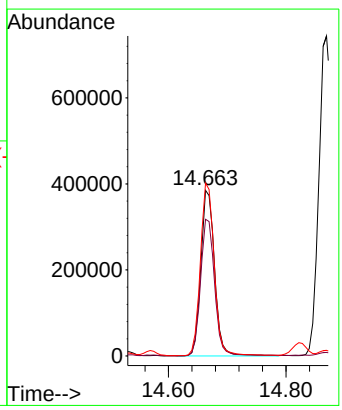
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

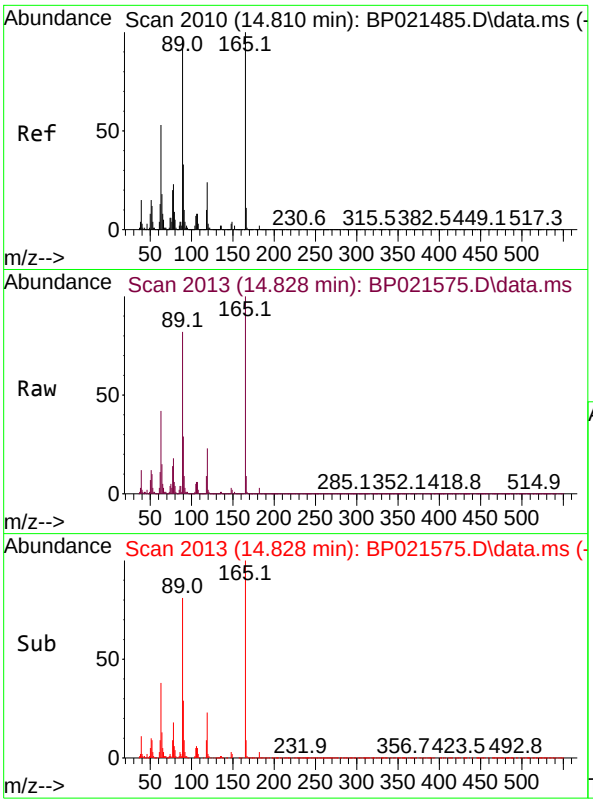


#56
4-Nitrophenol
Concen: 54.273 ng
RT: 14.663 min Scan# 1985
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:139 Resp: 623596

Ion	Ratio	Lower	Upper
139	100		
109	82.5	70.2	110.2
65	104.4	101.8	141.8

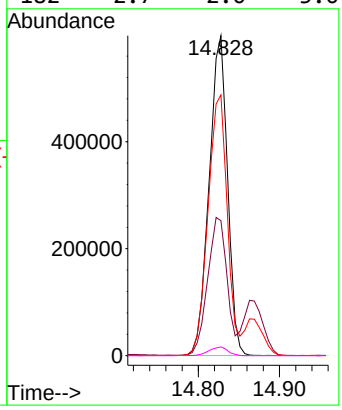




#57
2,4-Dinitrotoluene
Concen: 50.859 ng
RT: 14.828 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

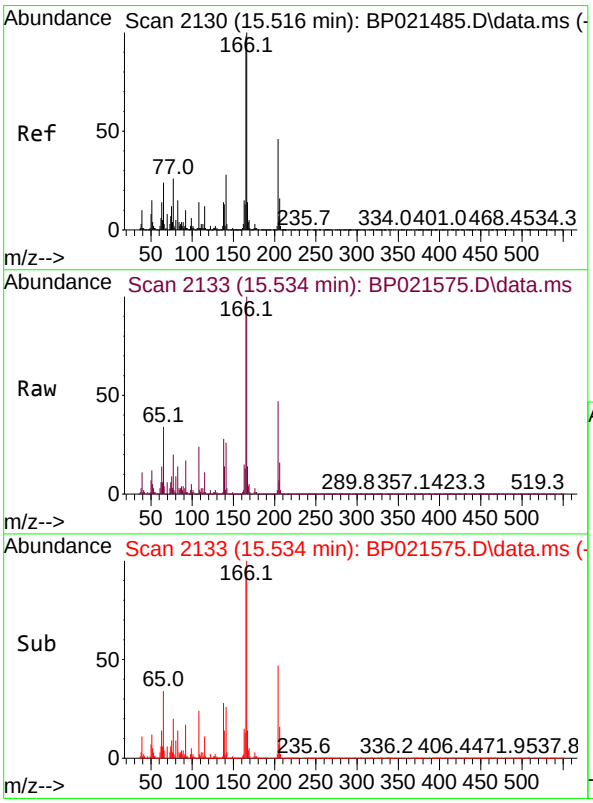
Tgt Ion:165 Resp: 94026

Ion	Ratio	Lower	Upper
165	100		
63	42.2	42.5	63.7#
89	81.5	77.1	115.7
182	2.7	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

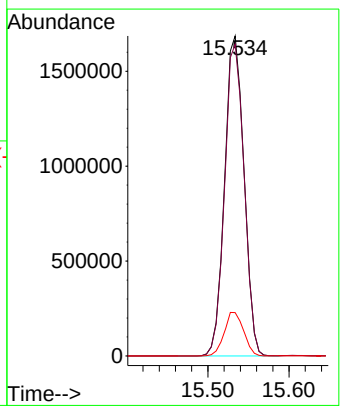
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

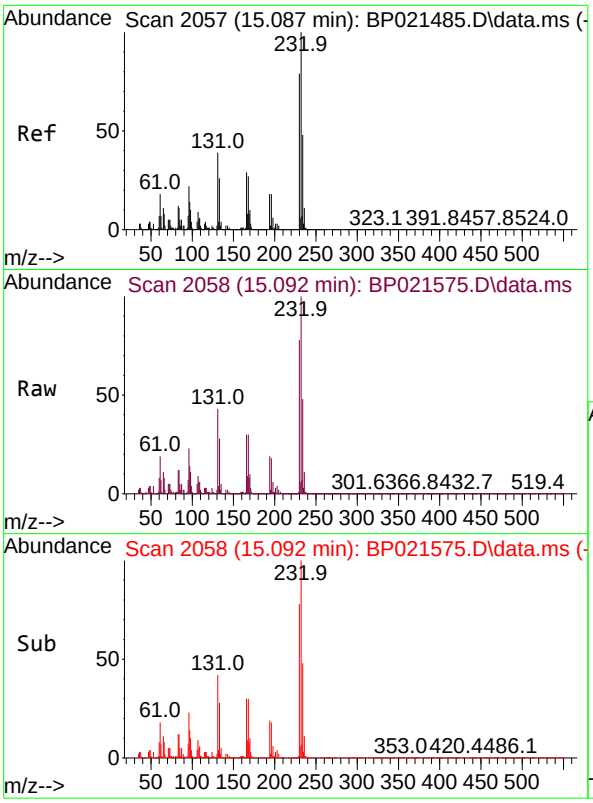


#58
Fluorene
Concen: 39.039 ng
RT: 15.534 min Scan# 2133
Delta R.T. 0.018 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:166 Resp: 2801684

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.1	117.1
167	13.5	11.0	16.4

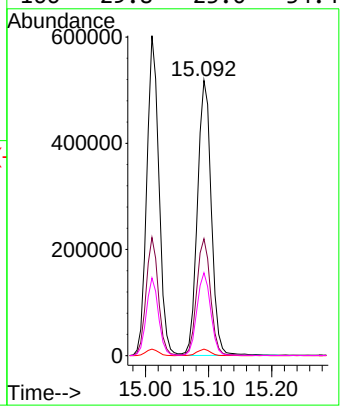




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.986 ng
RT: 15.092 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:232 Resp: 78723

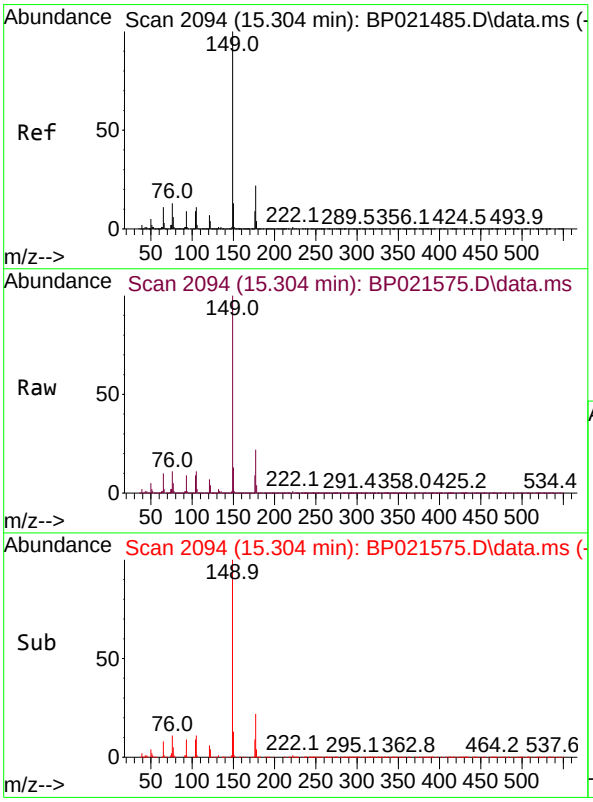
Ion	Ratio	Lower	Upper
232	100		
131	42.3	33.1	49.7
130	2.3	1.7	2.5
166	29.8	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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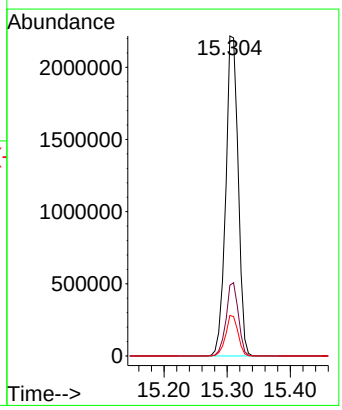
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

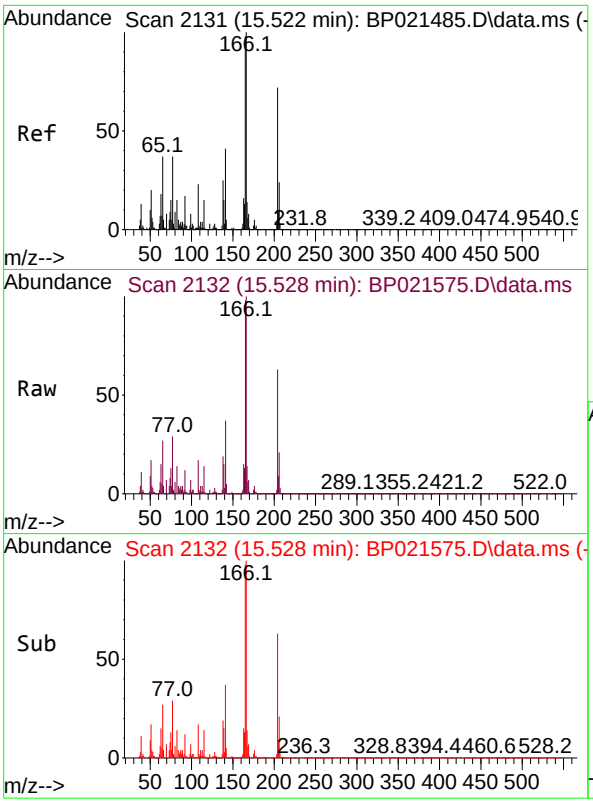


#60
Diethylphthalate
Concen: 41.319 ng
RT: 15.304 min Scan# 2094
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:149 Resp: 3034612

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.8	26.8
150	12.7	10.1	15.1

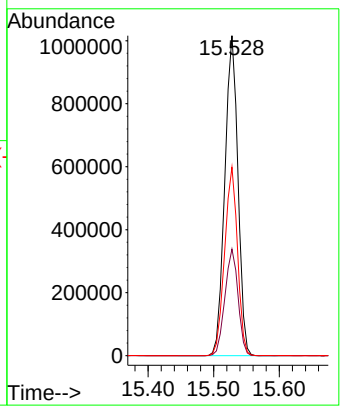




#61
4-Chlorophenyl-phenylether
Concen: 37.977 ng
RT: 15.528 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

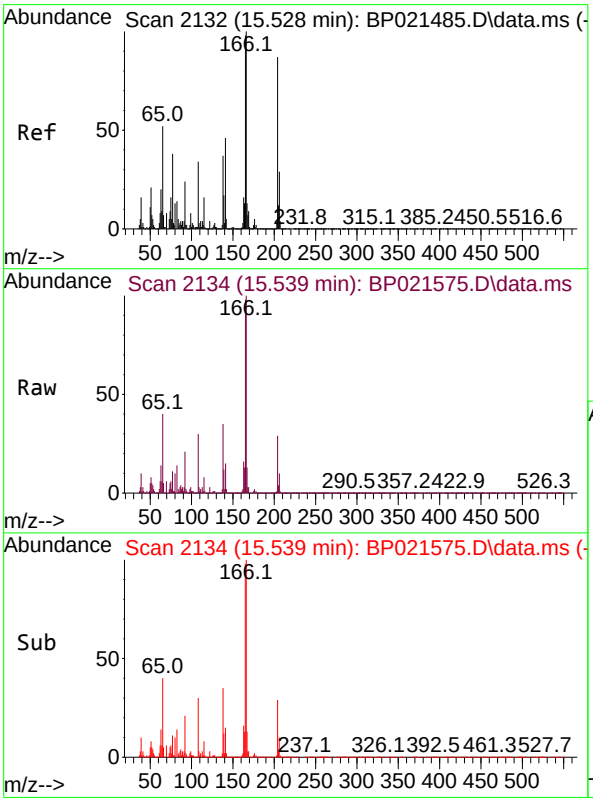
Tgt Ion:204 Resp: 140881

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.4	39.6
141	58.9	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

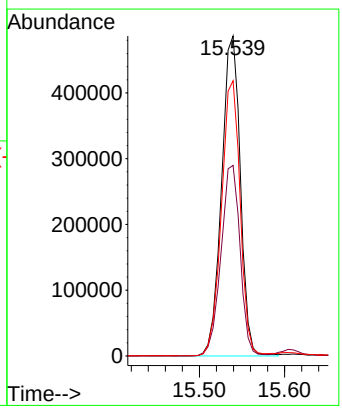
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

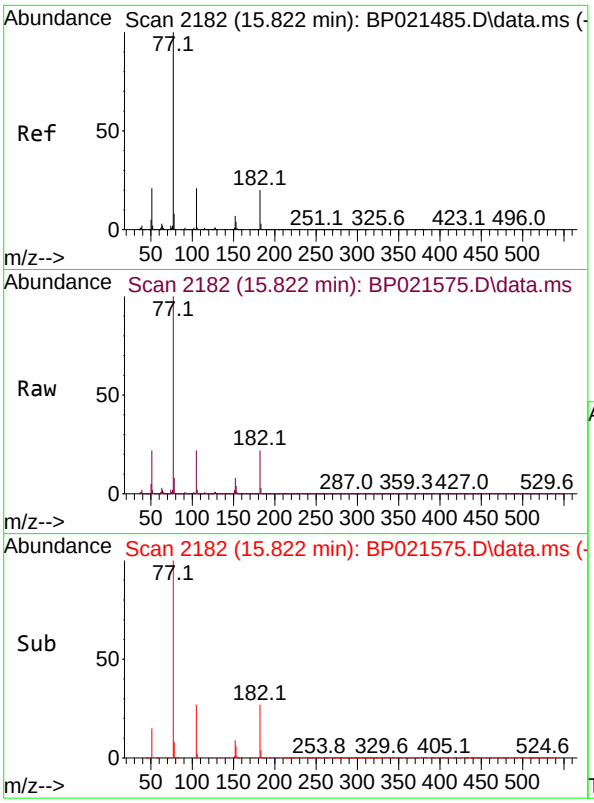


#62
4-Nitroaniline
Concen: 50.846 ng
RT: 15.539 min Scan# 2134
Delta R.T. 0.011 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:138 Resp: 744682

Ion	Ratio	Lower	Upper
138	100		
92	59.5	46.4	86.4
108	86.0	73.2	113.2

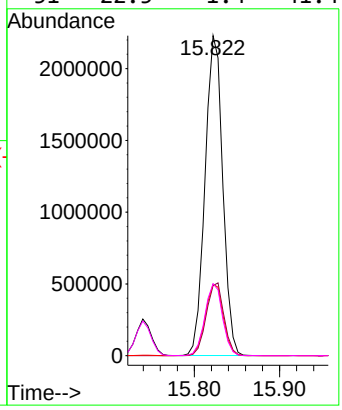




#63
Azobenzene
Concen: 35.641 ng
RT: 15.822 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion: 77 Resp: 321768

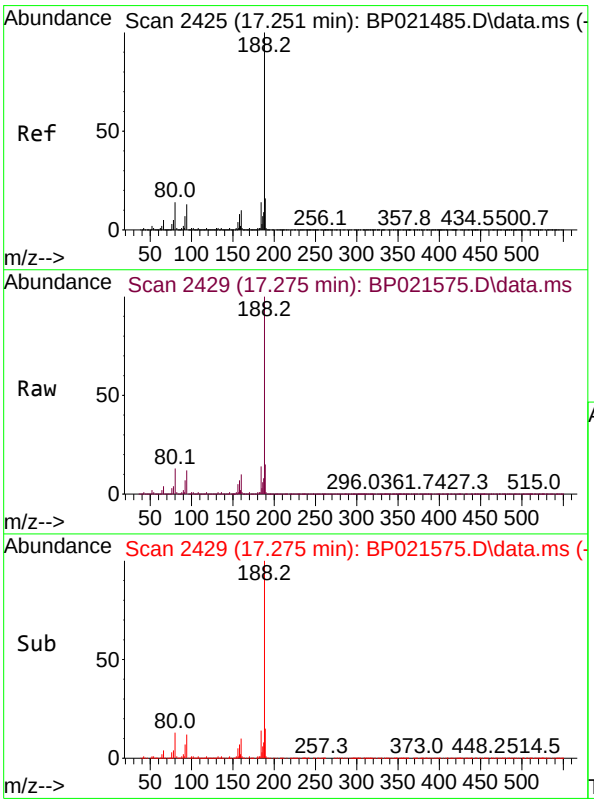
Ion	Ratio	Lower	Upper
77	100		
182	21.9	0.0	39.9
105	22.3	0.9	40.9
51	22.5	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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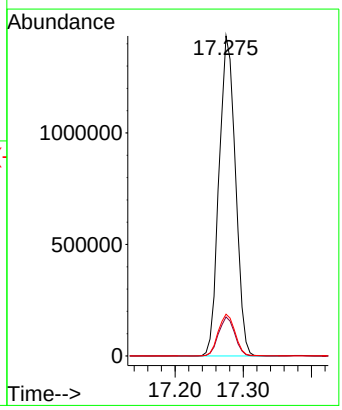
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

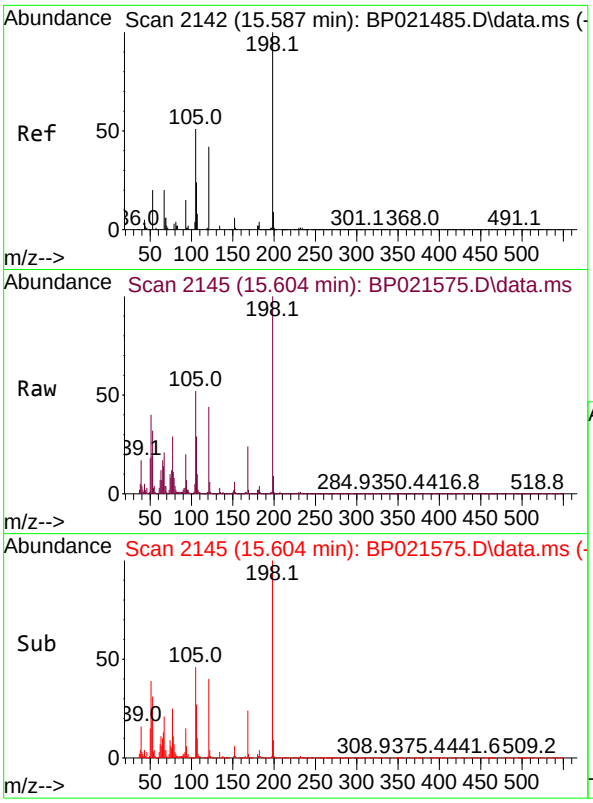


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.275 min Scan# 2429
Delta R.T. 0.023 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:188 Resp: 2403929

Ion	Ratio	Lower	Upper
188	100		
94	12.2	10.2	15.4
80	13.1	11.6	17.4

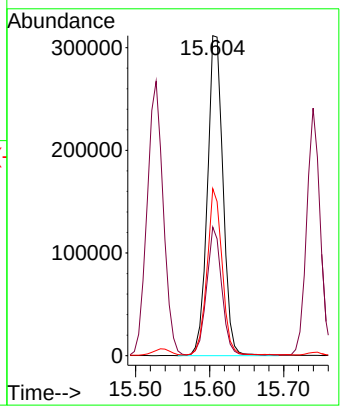




#65
4,6-Dinitro-2-methylphenol
Concen: 58.431 ng
RT: 15.604 min Scan# 21
Delta R.T. 0.017 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

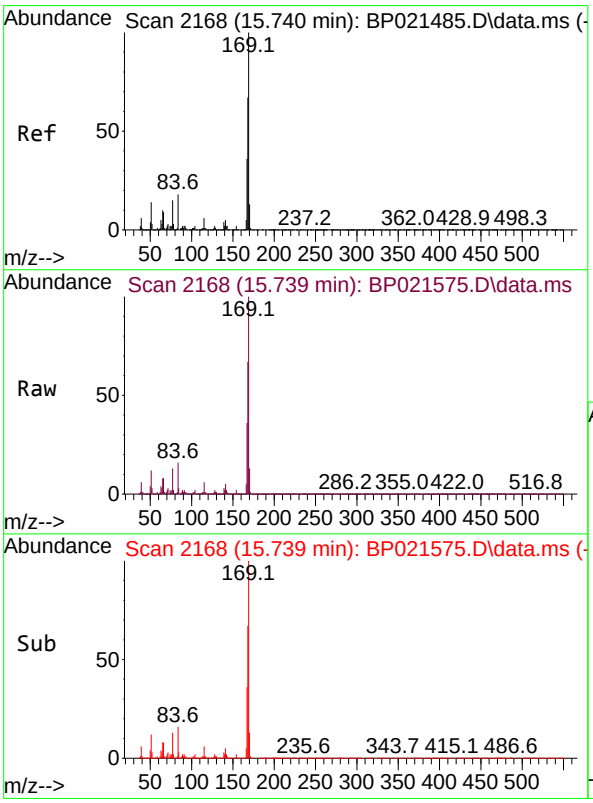
Tgt Ion:198 Resp: 45555

Ion	Ratio	Lower	Upper
198	100		
51	40.2	21.5	61.5
105	52.2	32.9	72.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

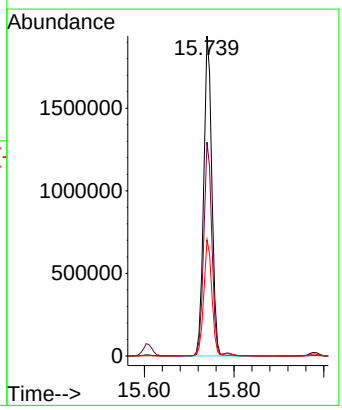
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

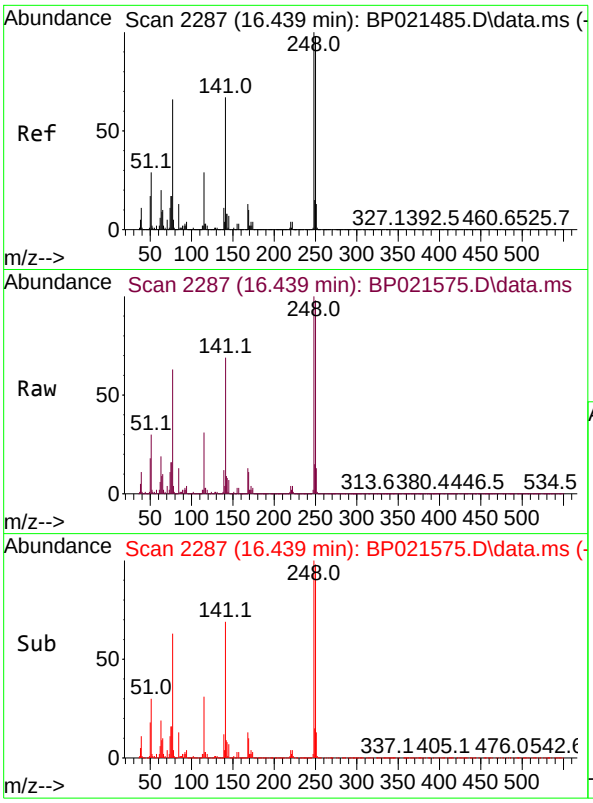


#66
n-Nitrosodiphenylamine
Concen: 37.750 ng
RT: 15.739 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:169 Resp: 2431907

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.3	28.7	43.1

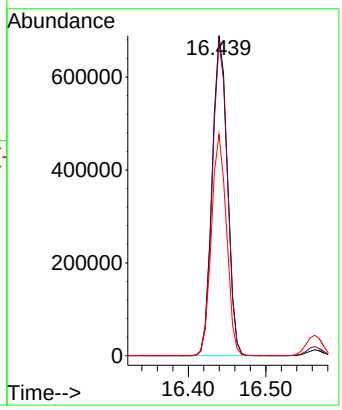




#67
4-Bromophenyl-phenylether
Concen: 37.008 ng
RT: 16.439 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:248 Resp: 94157

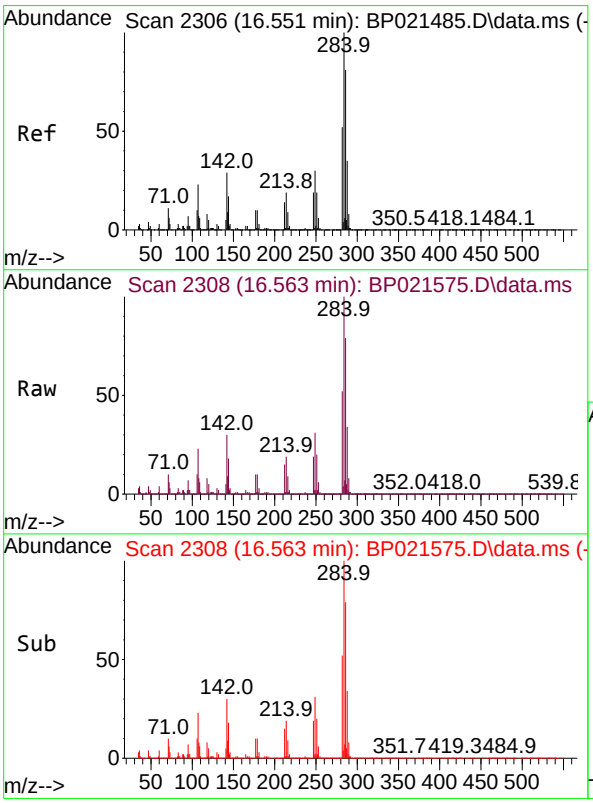
Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.6	117.8
141	69.2	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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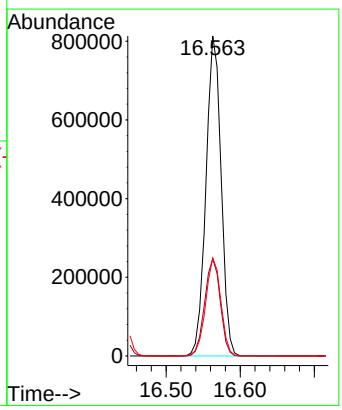
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

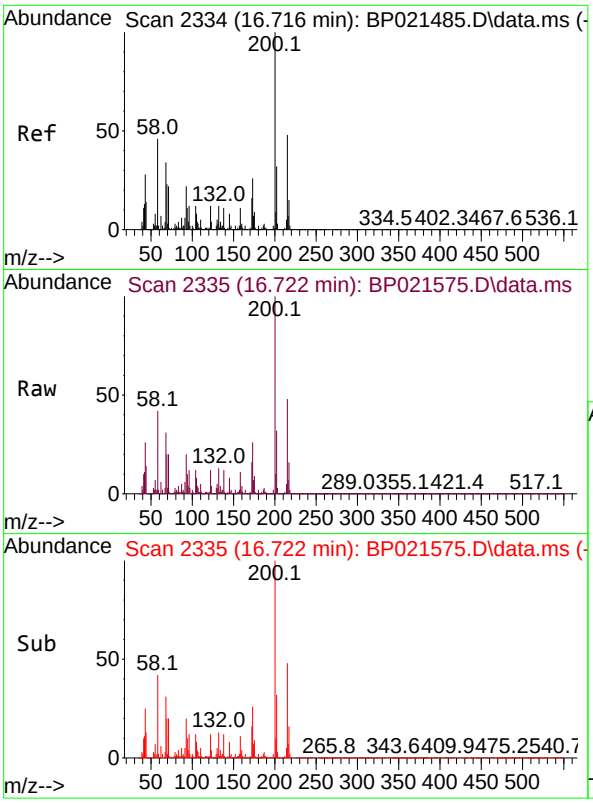


#68
Hexachlorobenzene
Concen: 38.408 ng
RT: 16.563 min Scan# 2308
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:284 Resp: 1154799

Ion	Ratio	Lower	Upper
284	100		
142	30.3	23.4	35.2
249	30.6	24.1	36.1

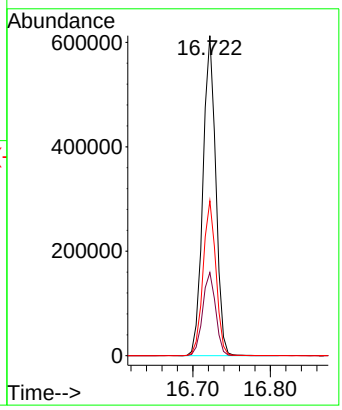




#69
Atrazine
Concen: 31.853 ng
RT: 16.722 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:200 Resp: 70453

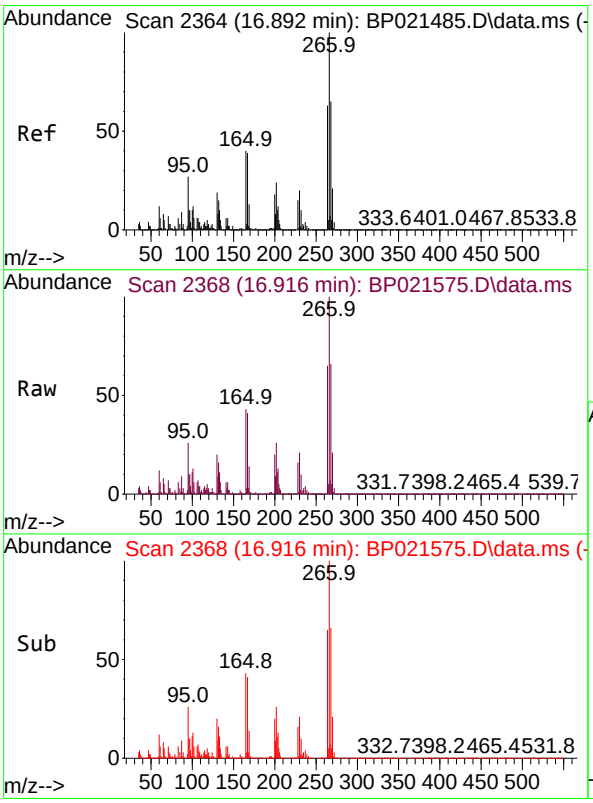
Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.2	46.2
215	48.4	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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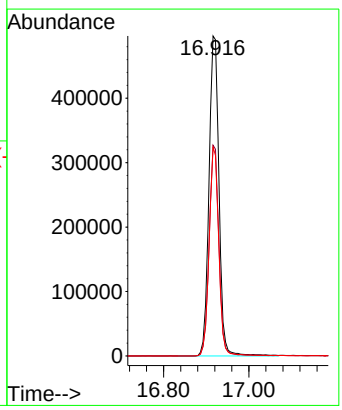
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

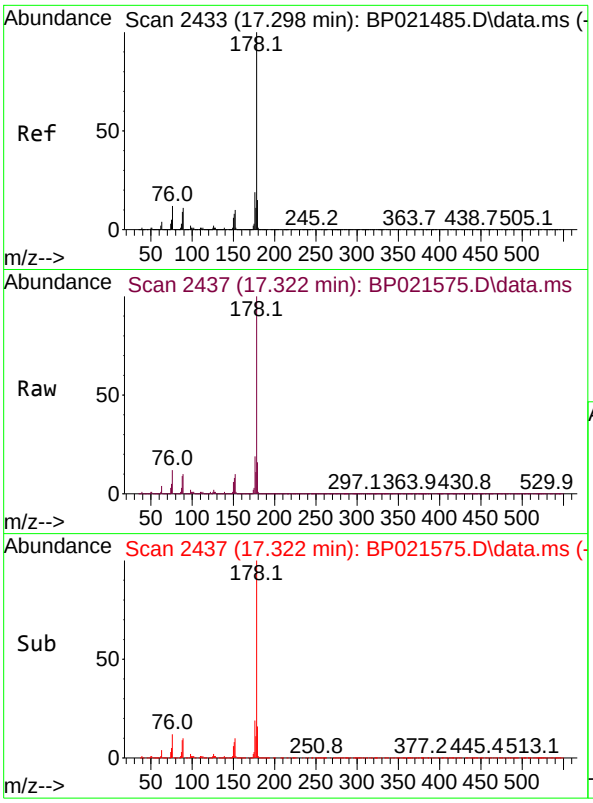


#70
Pentachlorophenol
Concen: 49.250 ng
RT: 16.916 min Scan# 2368
Delta R.T. 0.024 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:266 Resp: 808216

Ion	Ratio	Lower	Upper
266	100		
268	65.9	51.8	77.6
264	65.3	50.5	75.7

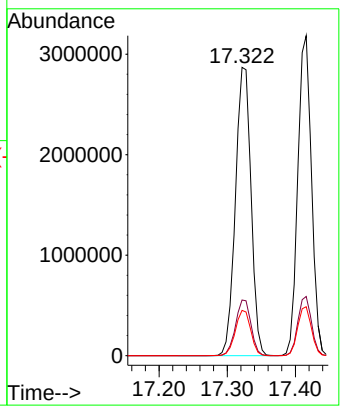




#71
Phenanthrene
Concen: 39.464 ng
RT: 17.322 min Scan# 24
Delta R.T. 0.023 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:178 Resp: 456243

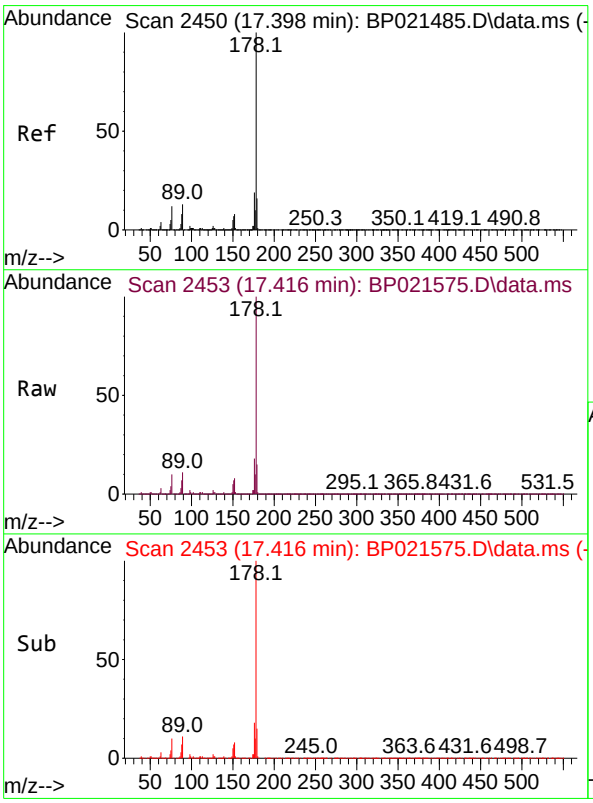
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.7	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

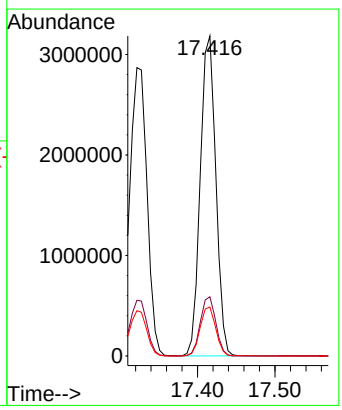
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

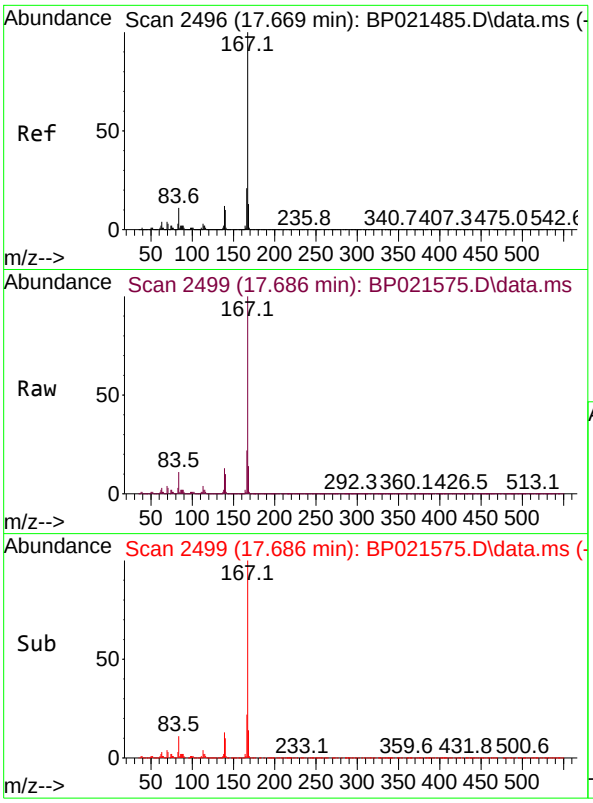


#72
Anthracene
Concen: 39.216 ng
RT: 17.416 min Scan# 2453
Delta R.T. 0.018 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:178 Resp: 4446404

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.3	12.5	18.7

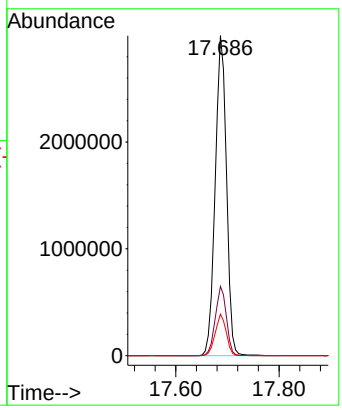




#73
Carbazole
Concen: 41.477 ng
RT: 17.686 min Scan# 24
Delta R.T. 0.018 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:167 Resp: 453211

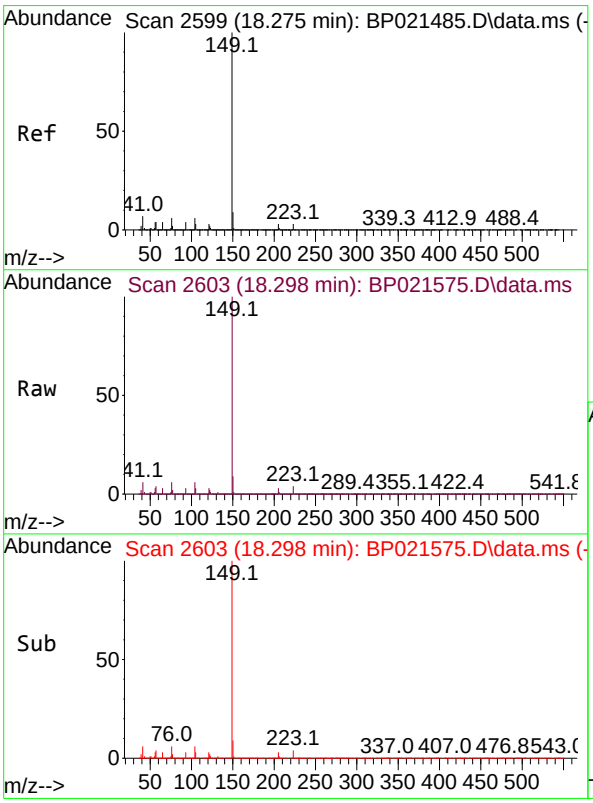
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.4
139	13.0	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

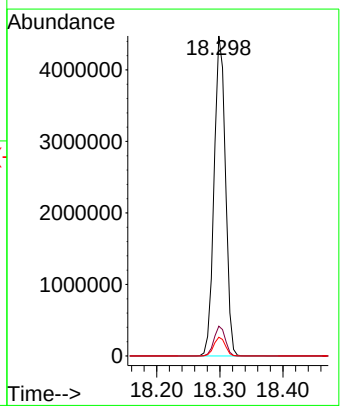
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

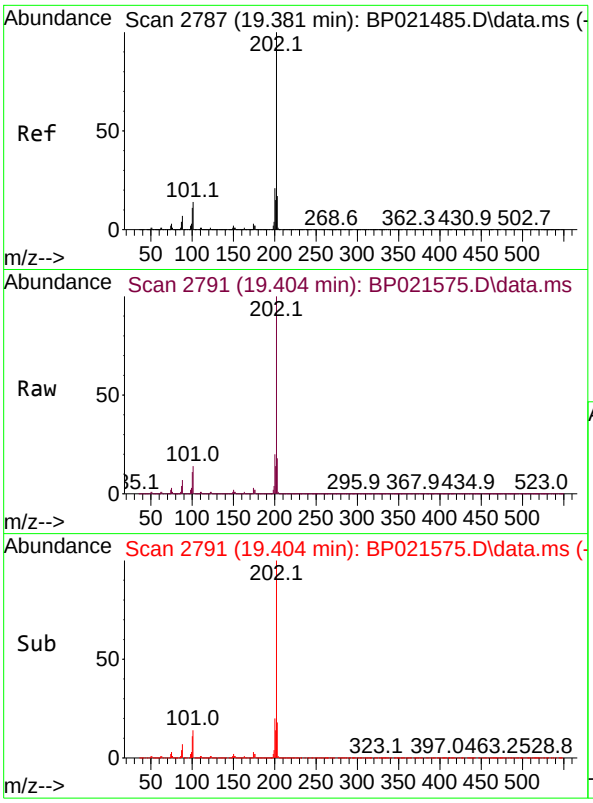


#74
Di-n-butylphthalate
Concen: 41.587 ng
RT: 18.298 min Scan# 2603
Delta R.T. 0.023 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:149 Resp: 5580792

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.9	4.9	7.3

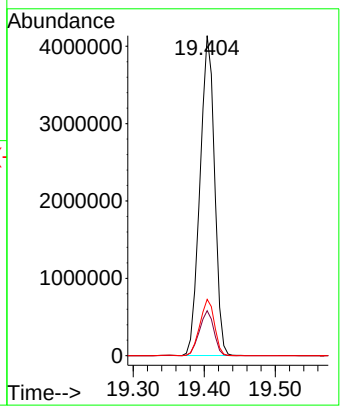




#75
Fluoranthene
Concen: 41.680 ng
RT: 19.404 min Scan# 2
Delta R.T. 0.023 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:202 Resp: 591243

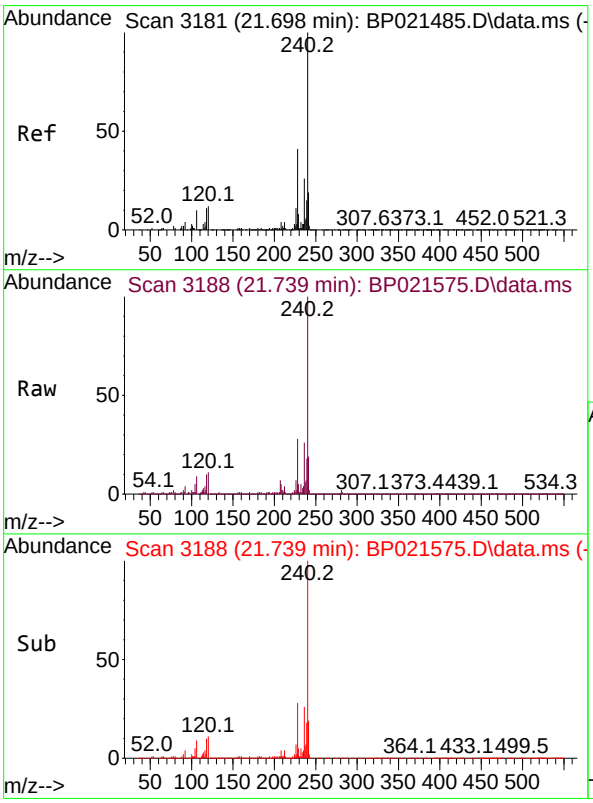
Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	34.0
203	17.6	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

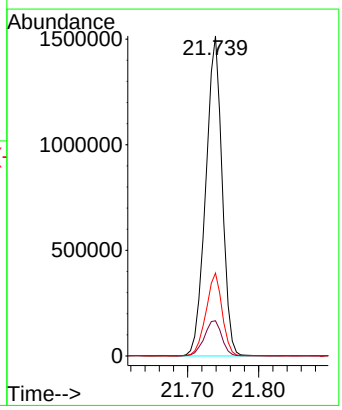
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

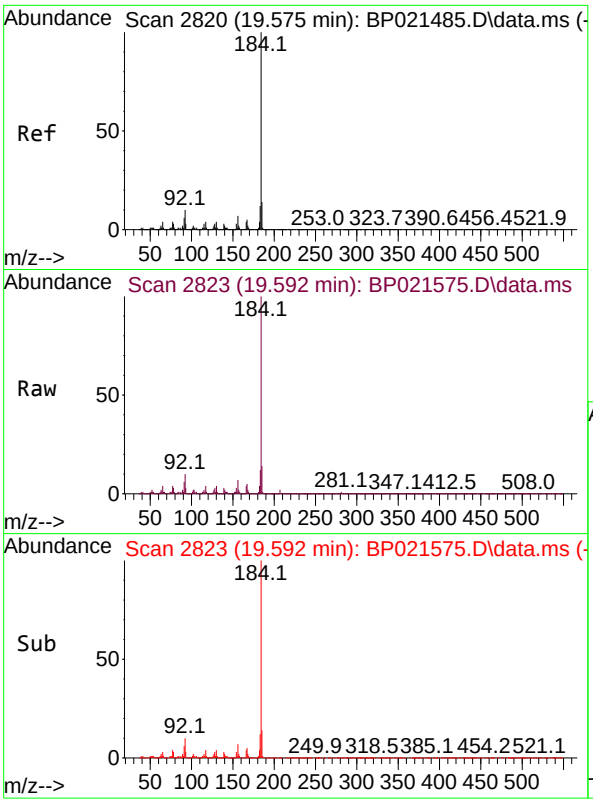


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.739 min Scan# 3188
Delta R.T. 0.041 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:240 Resp: 2426350

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.9	14.9
236	25.9	20.6	30.8

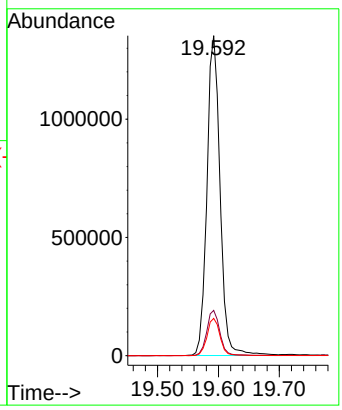




#77
Benzidine
Concen: 35.722 ng
RT: 19.592 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:184 Resp: 202629

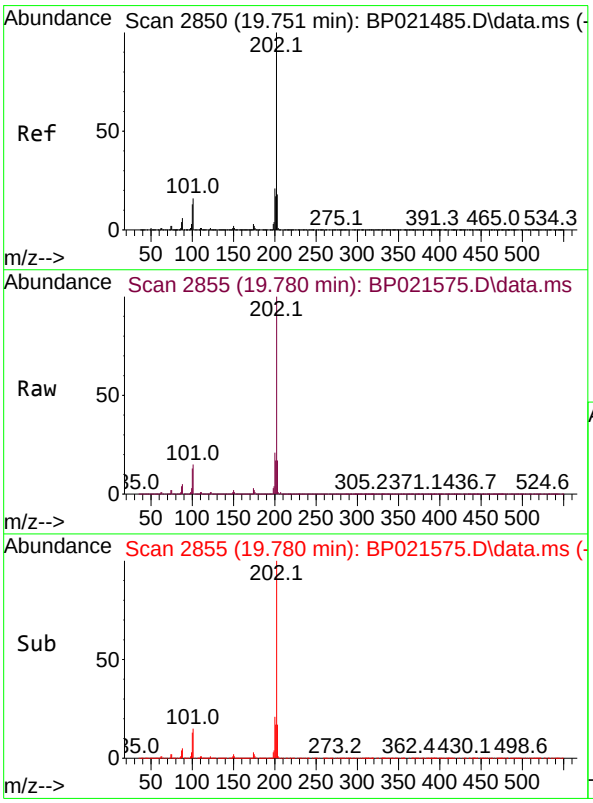
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.7	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

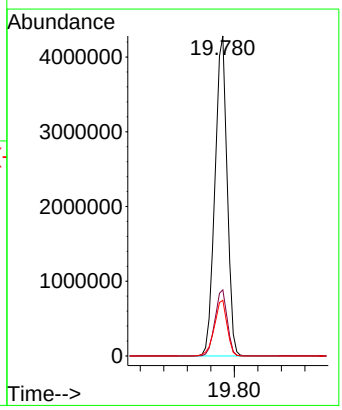
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

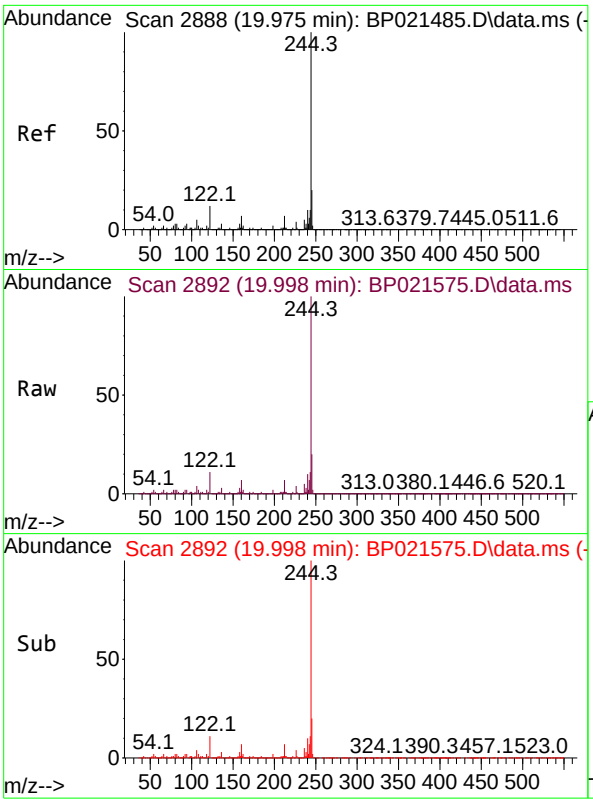


#78
Pyrene
Concen: 38.762 ng
RT: 19.780 min Scan# 2855
Delta R.T. 0.029 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:202 Resp: 6147221

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.7	25.1
203	17.4	14.1	21.1





#79
Terphenyl-d14
Concen: 74.447 ng
RT: 19.998 min Scan# 2
Delta R.T. 0.023 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

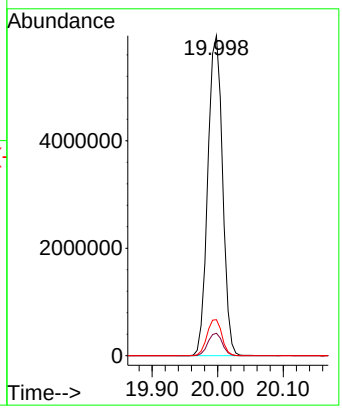
Tgt Ion:244 Resp: 929797

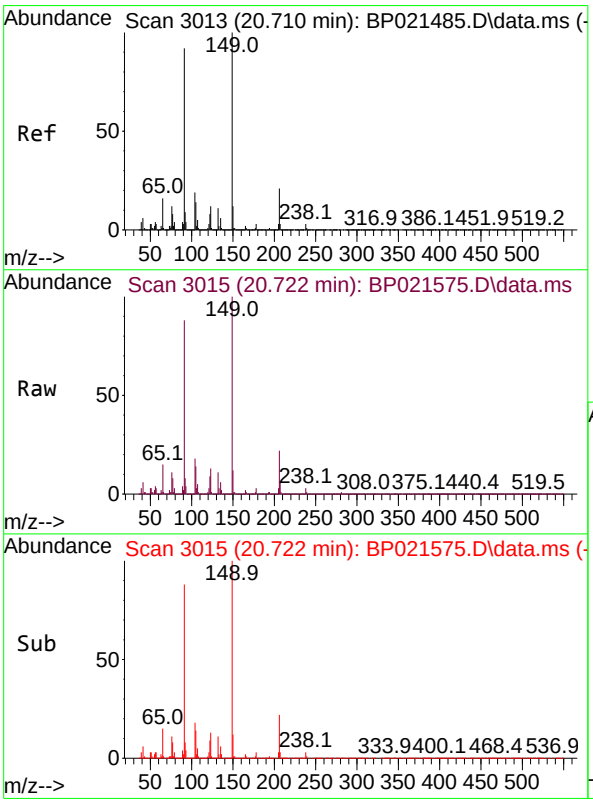
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.3	9.4	14.2

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

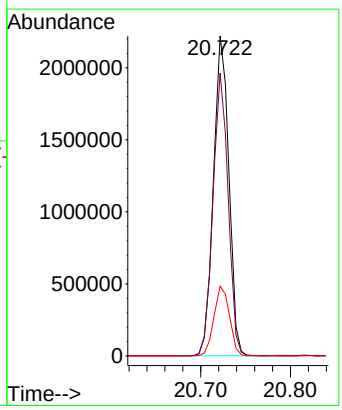


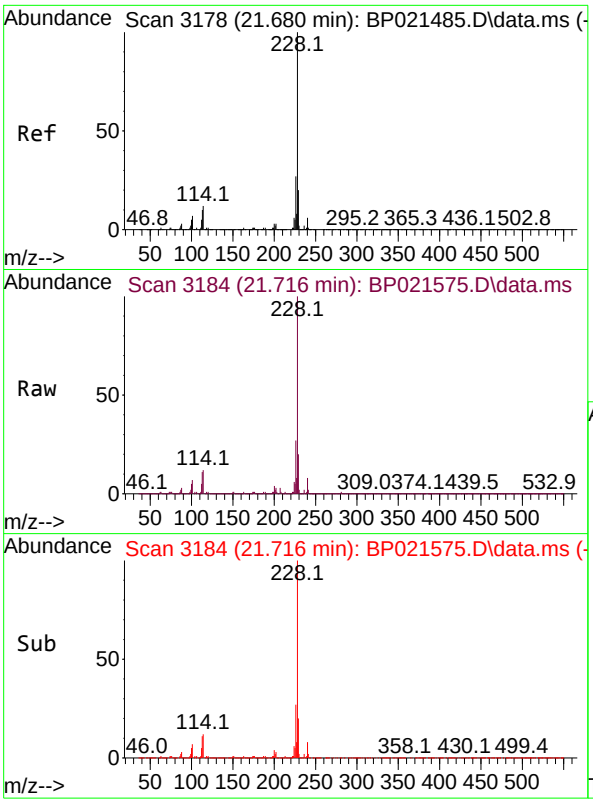


#80
Butylbenzylphthalate
Concen: 44.200 ng
RT: 20.722 min Scan# 3015
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:149 Resp: 2641829

Ion	Ratio	Lower	Upper
149	100		
91	88.4	73.3	109.9
206	21.8	17.1	25.7

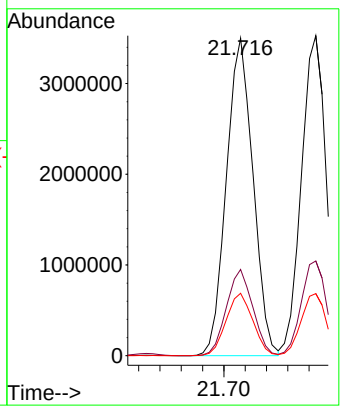




#81
Benzo(a)anthracene
Concen: 39.950 ng
RT: 21.716 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:228 Resp: 608508

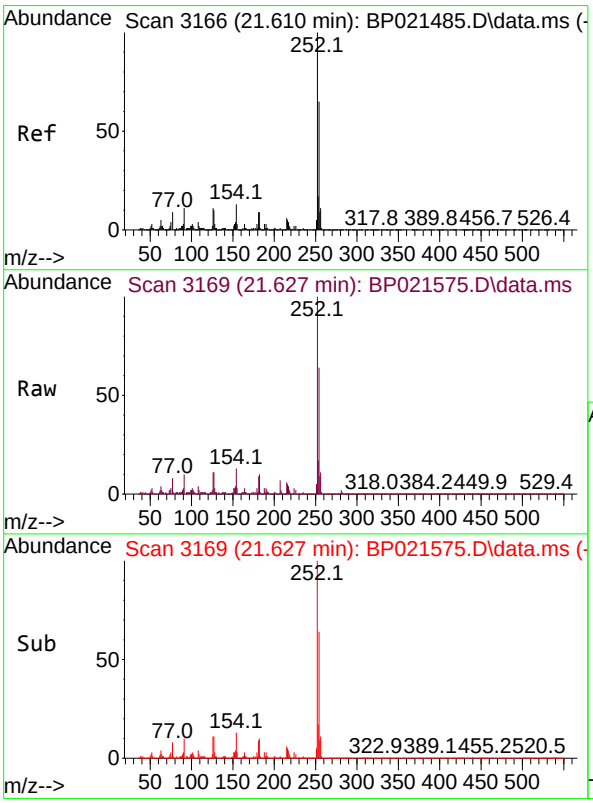
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.4	32.2
229	19.6	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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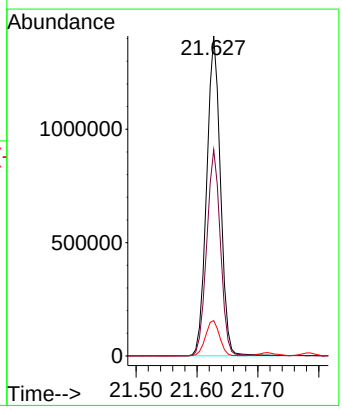
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

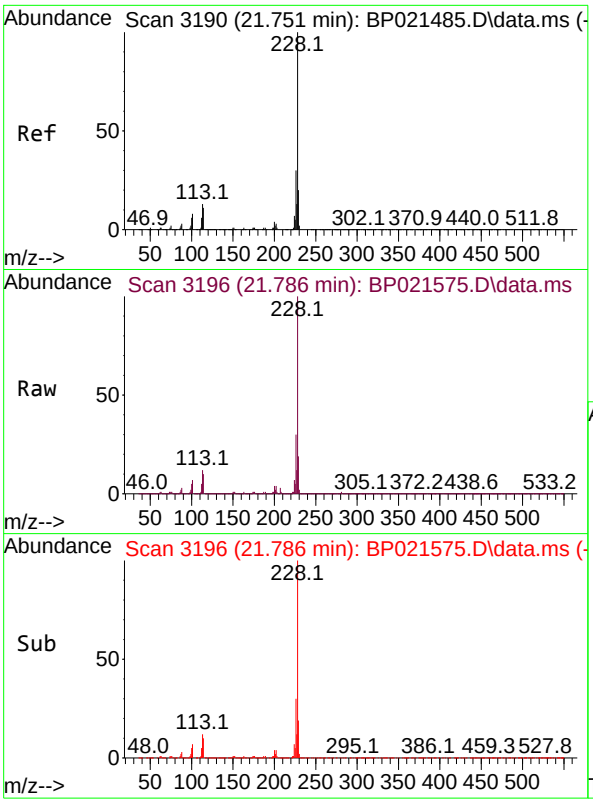


#82
3,3'-Dichlorobenzidine
Concen: 45.379 ng
RT: 21.627 min Scan# 3169
Delta R.T. 0.018 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:252 Resp: 2216157

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.7	77.5
126	11.1	8.7	13.1

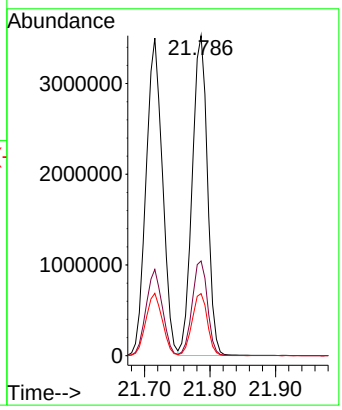




#83
Chrysene
Concen: 39.553 ng
RT: 21.786 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:228 Resp: 568807

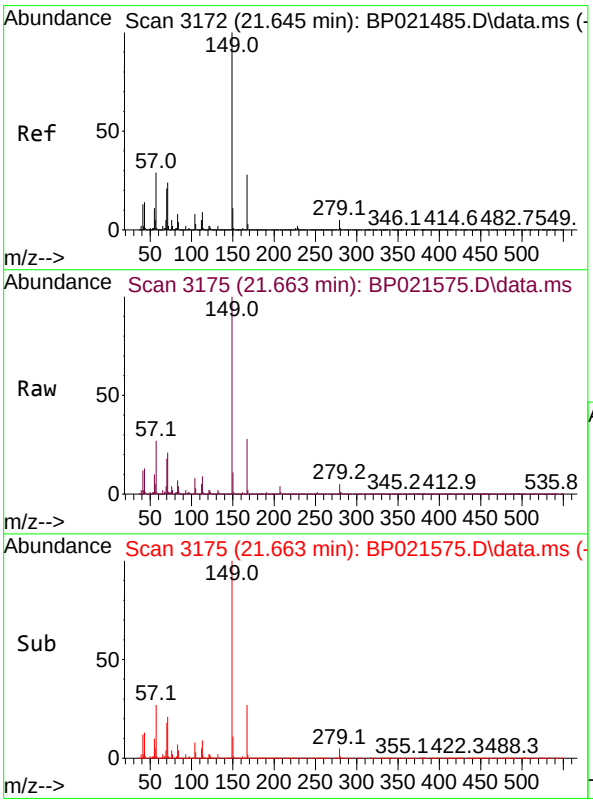
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	19.4	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

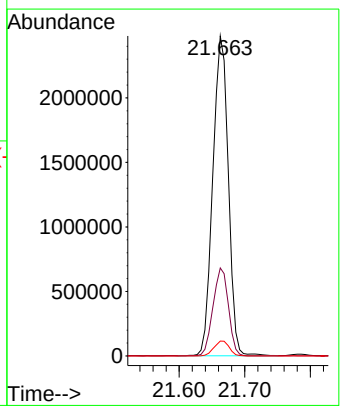
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

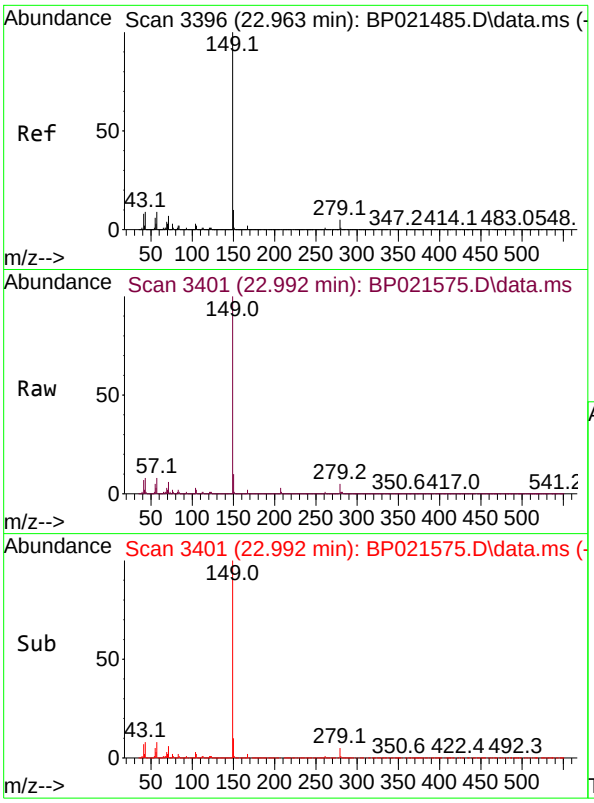


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.083 ng
RT: 21.663 min Scan# 3175
Delta R.T. 0.018 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:149 Resp: 4058627

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.3	33.5
279	4.6	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 45.068 ng
RT: 22.992 min Scan# 34
Delta R.T. 0.029 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

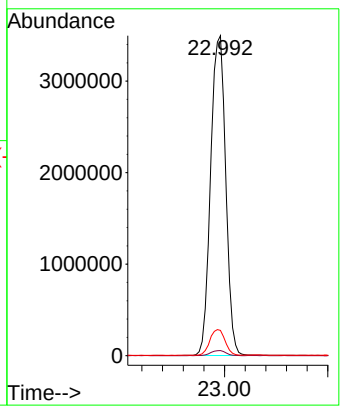
Tgt Ion:149 Resp: 707513

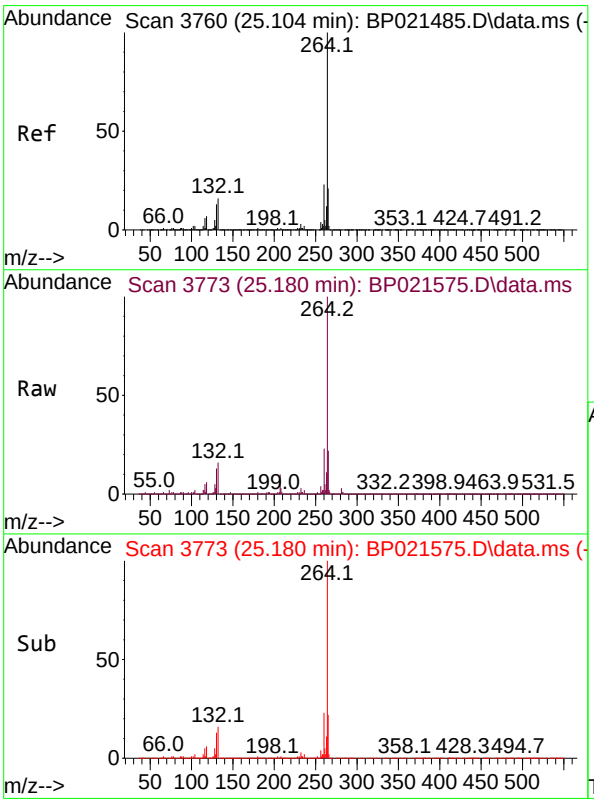
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.1	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

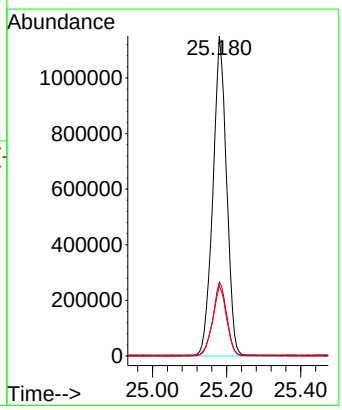


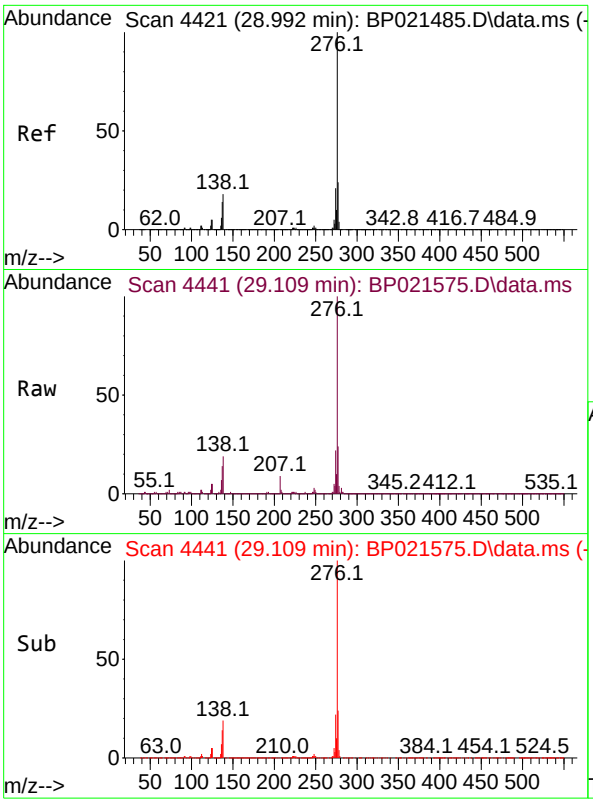


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.180 min Scan# 3773
Delta R.T. 0.076 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:264 Resp: 2940308

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	22.0	17.1	25.7

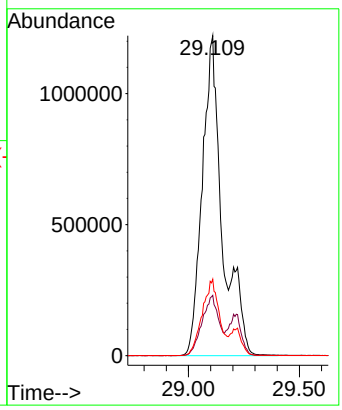




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.361 ng m
RT: 29.109 min Scan# 44
Delta R.T. 0.118 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:276 Resp: 769266

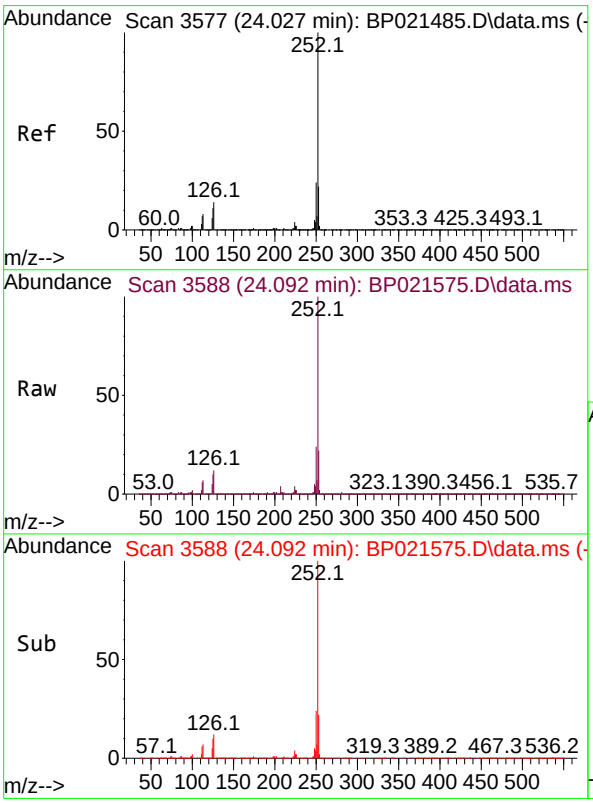
Ion	Ratio	Lower	Upper
276	100		
138	15.8	12.8	19.2
277	20.4	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

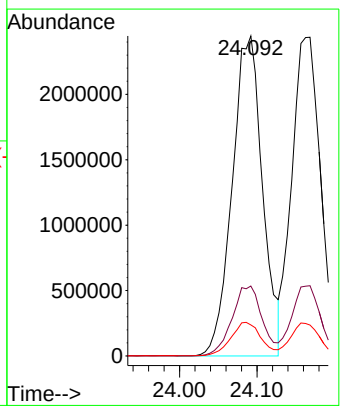
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

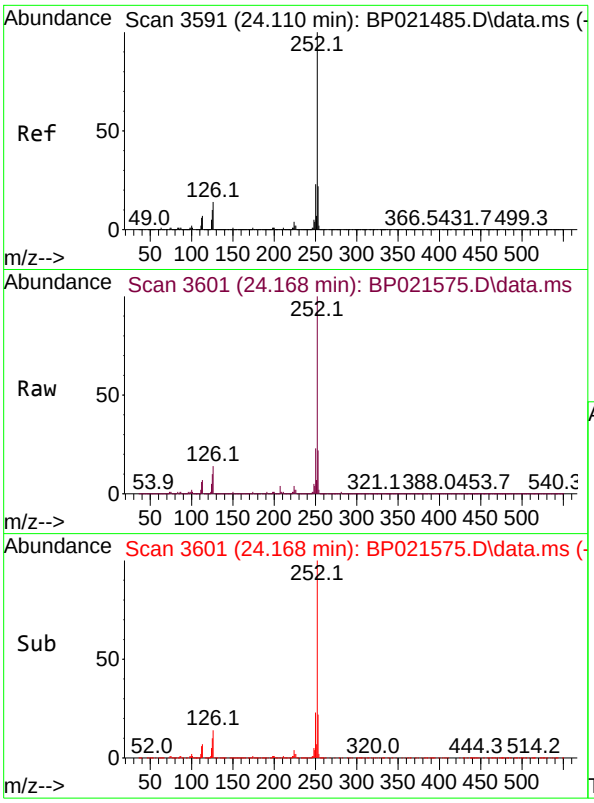


#88
Benzo(b)fluoranthene
Concen: 39.379 ng
RT: 24.092 min Scan# 3588
Delta R.T. 0.065 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:252 Resp: 6649815

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	9.7	8.6	13.0

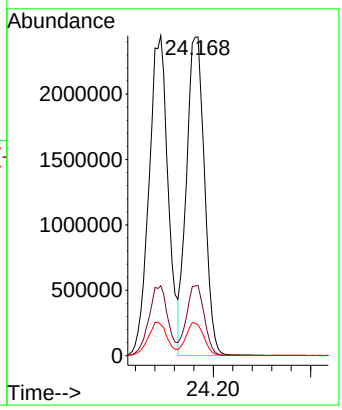




#89
Benzo(k)fluoranthene
Concen: 38.012 ng
RT: 24.168 min Scan# 3
Delta R.T. 0.059 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:252 Resp: 626187

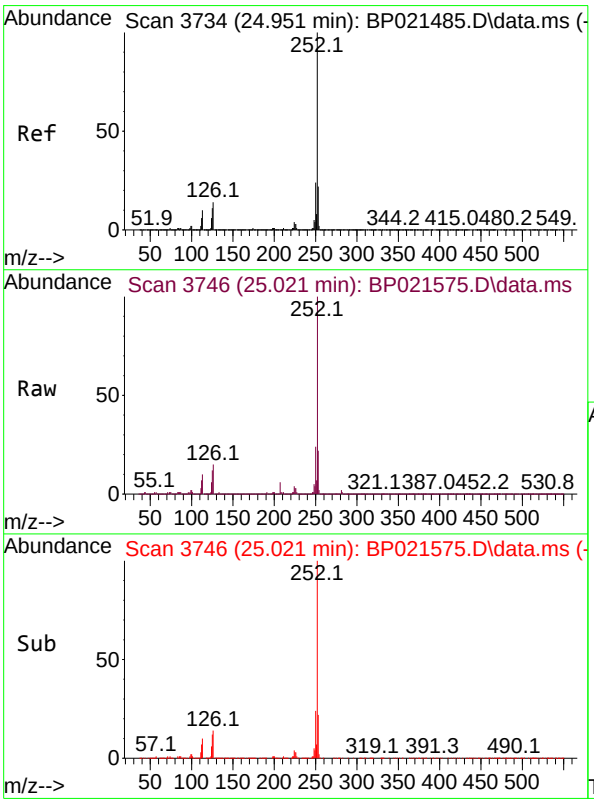
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.7	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

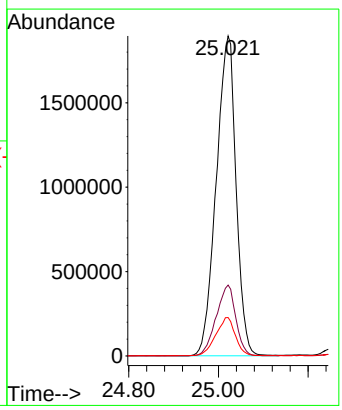
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

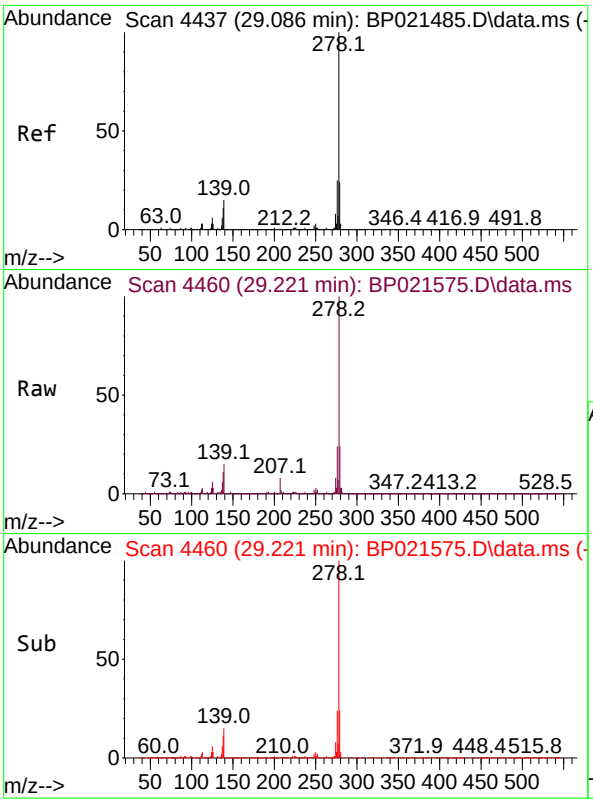


#90
Benzo(a)pyrene
Concen: 39.759 ng
RT: 25.021 min Scan# 3746
Delta R.T. 0.071 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:252 Resp: 5826473

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	12.0	8.7	13.1

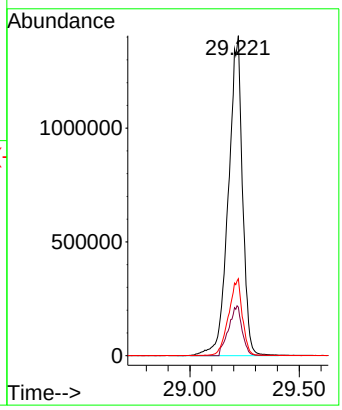




#91
Dibenzo(a,h)anthracene
Concen: 39.775 ng
RT: 29.221 min Scan# 4
Delta R.T. 0.135 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:278 Resp: 629888

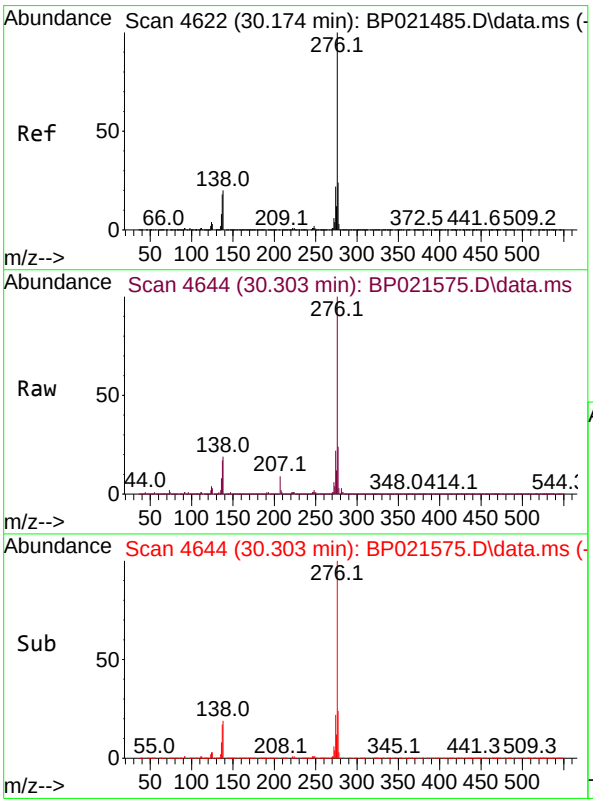
Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.2	18.4
279	24.1	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

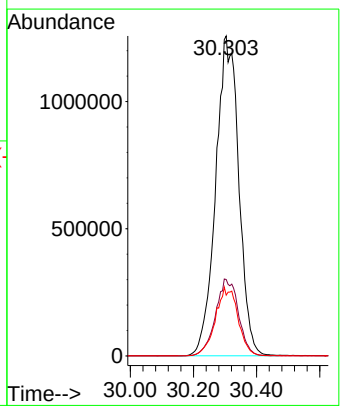
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#92
Benzo(g,h,i)perylene
Concen: 40.133 ng
RT: 30.303 min Scan# 4644
Delta R.T. 0.129 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Tgt Ion:276 Resp: 6370124

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.6
138	19.0	16.0	24.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021575.D
Acq On : 20 Aug 2024 16:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 17:15:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	111	0.00
2		1,4-Dioxane	0.639	0.570	10.8	99	0.00
3		Pyridine	1.783	1.623	9.0	100	0.01
4		n-Nitrosodimethylamine	0.536	0.498	7.1	104	0.00
5	S	2-Fluorophenol	1.347	1.372	-1.9	113	0.00
6		Aniline	1.964	1.810	7.8	102	0.00
7	S	Phenol-d6	1.965	1.965	0.0	111	0.00
8		2-Chlorophenol	1.245	1.314	-5.5	117	0.00
9		Benzaldehyde	1.258	1.392	-10.7	129	0.00
10	C	Phenol	2.035	1.989	2.3	108	0.01
11		bis(2-Chloroethyl)ether	1.722	1.573	8.7	103	0.00
12		1,3-Dichlorobenzene	1.479	1.455	1.6	112	0.00
13	C	1,4-Dichlorobenzene	1.493	1.480	0.9	112	0.00
14		1,2-Dichlorobenzene	1.439	1.401	2.6	111	0.00
15		Benzyl Alcohol	1.410	1.363	3.3	107	0.00
16		2,2'-oxybis(1-Chloropropane	1.585	1.424	10.2	103	0.00
17		2-Methylphenol	1.286	1.311	-1.9	113	0.00
18		Hexachloroethane	0.599	0.610	-1.8	114	0.00
19	P	n-Nitroso-di-n-propylamine	1.357	1.141	15.9	95	0.00
20		3+4-Methylphenols	1.734	1.820	-5.0	115	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	113	0.00
22		Acetophenone	0.614	0.576	6.2	107	0.00
23	S	Nitrobenzene-d5	0.387	0.421	-8.8	116	0.00
24		Nitrobenzene	0.421	0.430	-2.1	110	0.00
25		Isophorone	0.915	0.812	11.3	101	0.00
26	C	2-Nitrophenol	0.086	0.163	-89.5#	196#	0.00
27		2,4-Dimethylphenol	0.226	0.227	-0.4	114	0.01
28		bis(2-Chloroethoxy)methane	0.559	0.510	8.8	105	0.00
29	C	2,4-Dichlorophenol	0.267	0.303	-13.5	126	0.00
30		1,2,4-Trichlorobenzene	0.342	0.332	2.9	111	0.00
31		Naphthalene	1.045	1.030	1.4	112	0.00
32		Benzoic acid	0.137	0.280	-104.4#	245#	0.03
33		4-Chloroaniline	0.392	0.400	-2.0	115	0.00
34	C	Hexachlorobutadiene	0.215	0.206	4.2	109	0.00
35		Caprolactam	0.111	0.133	-19.8	132	0.04
36	C	4-Chloro-3-methylphenol	0.370	0.411	-11.1	122	0.02
37		2-Methylnaphthalene	0.713	0.699	2.0	112	0.00
38		1-Methylnaphthalene	0.703	0.693	1.4	113	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	120	0.00
40		1,2,4,5-Tetrachlorobenzene	0.586	0.550	6.1	111	0.00
41	P	Hexachlorocyclopentadiene	0.186	0.217	-16.7	136	0.00
42	S	2,4,6-Tribromophenol	0.223	0.265	-18.8	135	0.01
43	C	2,4,6-Trichlorophenol	0.326	0.377	-15.6	132	0.00
44		2,4,5-Trichlorophenol	0.362	0.422	-16.6	132	0.01
45	S	2-Fluorobiphenyl	1.310	1.212	7.5	110	0.00
46		1,1'-Biphenyl	1.415	1.343	5.1	113	0.00
47		2-Chloronaphthalene	1.102	1.056	4.2	114	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021575.D
Acq On : 20 Aug 2024 16:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 17:15:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	0.256	0.363	-41.8#	153#	0.01
49		Acenaphthylene	1.619	1.596	1.4	117	0.01
50		Dimethylphthalate	1.339	1.358	-1.4	121	0.00
51		2,6-Dinitrotoluene	0.232	0.313	-34.9#	147	0.00
52	C	Acenaphthene	1.063	1.097	-3.2	123	0.01
53		3-Nitroaniline	0.228	0.330	-44.7#	156#	0.00
54	P	2,4-Dinitrophenol	0.069	0.141	-104.3#	258#	0.02
55		Dibenzofuran	1.635	1.623	0.7	118	0.01
56	P	4-Nitrophenol	0.195	0.292	-49.7#	174#	0.01
57		2,4-Dinitrotoluene	0.284	0.440	-54.9#	165#	0.02
58		Fluorene	1.343	1.311	2.4	116	0.02
59		2,3,4,6-Tetrachlorophenol	0.307	0.368	-19.9	135	0.00
60		Diethylphthalate	1.374	1.420	-3.3	122	0.00
61		4-Chlorophenyl-phenylether	0.694	0.659	5.0	114	0.00
62		4-Nitroaniline	0.241	0.348	-44.4#	153#	0.01
63		Azobenzene	1.689	1.505	10.9	105	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	126	0.02
65		4,6-Dinitro-2-methylphenol	0.054	0.095	-75.9#	229#	0.02
66	c	n-Nitrosodiphenylamine	0.536	0.506	5.6	119	0.00
67		4-Bromophenyl-phenylether	0.212	0.196	7.5	119	0.00
68		Hexachlorobenzene	0.250	0.240	4.0	120	0.01
69		Atrazine	0.184	0.147	20.1	97	0.00
70	C	Pentachlorophenol	0.137	0.168	-22.6#	155#	0.02
71		Phenanthrene	0.962	0.949	1.4	124	0.02
72		Anthracene	0.943	0.925	1.9	123	0.02
73		Carbazole	0.909	0.943	-3.7	128	0.02
74		Di-n-butylphthalate	1.116	1.161	-4.0	127	0.02
75	C	Fluoranthene	1.180	1.230	-4.2	129	0.02
76	I	Chrysene-d12	1.000	1.000	0.0	133	0.04
77		Benzidine	0.420	0.418	0.5	117	0.02
78		Pyrene	1.307	1.267	3.1	131	0.03
79	S	Terphenyl-d14	1.029	0.958	6.9	127	0.02
80		Butylbenzylphthalate	0.437	0.544	-24.5	154#	0.01
81		Benzo(a)anthracene	1.256	1.254	0.2	132	0.04
82		3,3'-Dichlorobenzidine	0.403	0.457	-13.4	142	0.02
83		Chrysene	1.185	1.172	1.1	130	0.04
84		Bis(2-ethylhexyl)phthalate	0.742	0.836	-12.7	143	0.02
85	c	Di-n-octyl phthalate	1.199	1.458	-21.6#	156#	0.03
86	I	Perylene-d12	1.000	1.000	0.0	141	0.08
87		Indeno(1,2,3-cd)pyrene	1.296	1.308	-0.9	139	0.12
88		Benzo(b)fluoranthene	1.149	1.131	1.6	138	0.06
89		Benzo(k)fluoranthene	1.121	1.065	5.0	132	0.06
90	C	Benzo(a)pyrene	0.997	0.991	0.6	138	0.07
91		Dibenzo(a,h)anthracene	1.077	1.071	0.6	137	0.14
92		Benzo(g,h,i)perylene	1.080	1.083	-0.3	139	0.13

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021575.D
Acq On : 20 Aug 2024 16:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 17:15:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 3

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021575.D
Acq On : 20 Aug 2024 16:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 17:15:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	111	0.00
2		1,4-Dioxane	40.000	35.681	10.8	99	0.00
3		Pyridine	40.000	36.406	9.0	100	0.01
4		n-Nitrosodimethylamine	40.000	37.206	7.0	104	0.00
5	S	2-Fluorophenol	80.000	81.506	-1.9	113	0.00
6		Aniline	40.000	36.863	7.8	102	0.00
7	S	Phenol-d6	80.000	80.016	-0.0	111	0.00
8		2-Chlorophenol	40.000	42.226	-5.6	117	0.00
9		Benzaldehyde	40.000	44.262	-10.7	129	0.00
10	C	Phenol	40.000	39.093	2.3	108	0.01
11		bis(2-Chloroethyl)ether	40.000	36.557	8.6	103	0.00
12		1,3-Dichlorobenzene	40.000	39.364	1.6	112	0.00
13	C	1,4-Dichlorobenzene	40.000	39.661	0.8	112	0.00
14		1,2-Dichlorobenzene	40.000	38.940	2.7	111	0.00
15		Benzyl Alcohol	40.000	38.673	3.3	107	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	35.934	10.2	103	0.00
17		2-Methylphenol	40.000	40.769	-1.9	113	0.00
18		Hexachloroethane	40.000	40.786	-2.0	114	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	33.637	15.9	95	0.00
20		3+4-Methylphenols	40.000	41.976	-4.9	115	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	113	0.00
22		Acetophenone	40.000	37.514	6.2	107	0.00
23	S	Nitrobenzene-d5	80.000	86.924	-8.7	116	0.00
24		Nitrobenzene	40.000	40.876	-2.2	110	0.00
25		Isophorone	40.000	35.467	11.3	101	0.00
26	C	2-Nitrophenol	40.000	56.363	-40.9#	196	0.00
27		2,4-Dimethylphenol	40.000	40.260	-0.6	114	0.01
28		bis(2-Chloroethoxy)methane	40.000	36.474	8.8	105	0.00
29	C	2,4-Dichlorophenol	40.000	45.397	-13.5	126	0.00
30		1,2,4-Trichlorobenzene	40.000	38.758	3.1	111	0.00
31		Naphthalene	40.000	39.419	1.5	112	0.00
32		Benzoic acid	40.000	65.645	-64.1#	245	0.03
33		4-Chloroaniline	40.000	40.788	-2.0	115	0.00
34	C	Hexachlorobutadiene	40.000	38.319	4.2	109	0.00
35		Caprolactam	40.000	47.892	-19.7	132	0.04
36	C	4-Chloro-3-methylphenol	40.000	44.353	-10.9	122	0.02
37		2-Methylnaphthalene	40.000	39.219	2.0	112	0.00
38		1-Methylnaphthalene	40.000	39.399	1.5	113	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	120	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.541	6.1	111	0.00
41	P	Hexachlorocyclopentadiene	40.000	46.834	-17.1	136	0.00
42	S	2,4,6-Tribromophenol	80.000	95.320	-19.1	135	0.01
43	C	2,4,6-Trichlorophenol	40.000	46.287	-15.7	132	0.00
44		2,4,5-Trichlorophenol	40.000	46.667	-16.7	132	0.01
45	S	2-Fluorobiphenyl	80.000	73.981	7.5	110	0.00
46		1,1'-Biphenyl	40.000	37.962	5.1	113	0.00
47		2-Chloronaphthalene	40.000	38.359	4.1	114	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021575.D
Acq On : 20 Aug 2024 16:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 17:15:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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	47.126	-17.8	153	0.01
49		Acenaphthylene	40.000	39.430	1.4	117	0.01
50		Dimethylphthalate	40.000	40.557	-1.4	121	0.00
51		2,6-Dinitrotoluene	40.000	46.431	-16.1	147	0.00
52	C	Acenaphthene	40.000	41.294	-3.2	123	0.01
53		3-Nitroaniline	40.000	49.513	-23.8	156	0.00
54	P	2,4-Dinitrophenol	40.000	66.049	-65.1#	258	0.02
55		Dibenzofuran	40.000	39.716	0.7	118	0.01
56	P	4-Nitrophenol	40.000	54.273	-35.7#	174	0.01
57		2,4-Dinitrotoluene	40.000	50.859	-27.1#	165	0.02
58		Fluorene	40.000	39.039	2.4	116	0.02
59		2,3,4,6-Tetrachlorophenol	40.000	47.986	-20.0	135	0.00
60		Diethylphthalate	40.000	41.319	-3.3	122	0.00
61		4-Chlorophenyl-phenylether	40.000	37.977	5.1	114	0.00
62		4-Nitroaniline	40.000	50.846	-27.1#	153	0.01
63		Azobenzene	40.000	35.641	10.9	105	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	126	0.02
65		4,6-Dinitro-2-methylphenol	40.000	58.431	-46.1#	229	0.02
66	c	n-Nitrosodiphenylamine	40.000	37.750	5.6	119	0.00
67		4-Bromophenyl-phenylether	40.000	37.008	7.5	119	0.00
68		Hexachlorobenzene	40.000	38.408	4.0	120	0.01
69		Atrazine	40.000	31.853	20.4	97	0.00
70	C	Pentachlorophenol	40.000	49.250	-23.1#	155	0.02
71		Phenanthrene	40.000	39.464	1.3	124	0.02
72		Anthracene	40.000	39.216	2.0	123	0.02
73		Carbazole	40.000	41.477	-3.7	128	0.02
74		Di-n-butylphthalate	40.000	41.587	-4.0	127	0.02
75	C	Fluoranthene	40.000	41.680	-4.2	129	0.02
76	I	Chrysene-d12	20.000	20.000	0.0	133	0.04
77		Benzidine	40.000	35.722	10.7	117	0.02
78		Pyrene	40.000	38.762	3.1	131	0.03
79	S	Terphenyl-d14	80.000	74.447	6.9	127	0.02
80		Butylbenzylphthalate	40.000	44.200	-10.5	154	0.01
81		Benzo(a)anthracene	40.000	39.950	0.1	132	0.04
82		3,3'-Dichlorobenzidine	40.000	45.379	-13.4	142	0.02
83		Chrysene	40.000	39.553	1.1	130	0.04
84		Bis(2-ethylhexyl)phthalate	40.000	45.083	-12.7	143	0.02
85	c	Di-n-octyl phthalate	40.000	45.068	-12.7	156	0.03
86	I	Perylene-d12	20.000	20.000	0.0	141	0.08
87		Indeno(1,2,3-cd)pyrene	40.000	40.361	-0.9	139	0.12
88		Benzo(b)fluoranthene	40.000	39.379	1.6	138	0.06
89		Benzo(k)fluoranthene	40.000	38.012	5.0	132	0.06
90	C	Benzo(a)pyrene	40.000	39.759	0.6	138	0.07
91		Dibenzo(a,h)anthracene	40.000	39.775	0.6	137	0.14
92		Benzo(g,h,i)perylene	40.000	40.133	-0.3	139	0.13

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021575.D
Acq On : 20 Aug 2024 16:40
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: Aug 20 17:15:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
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

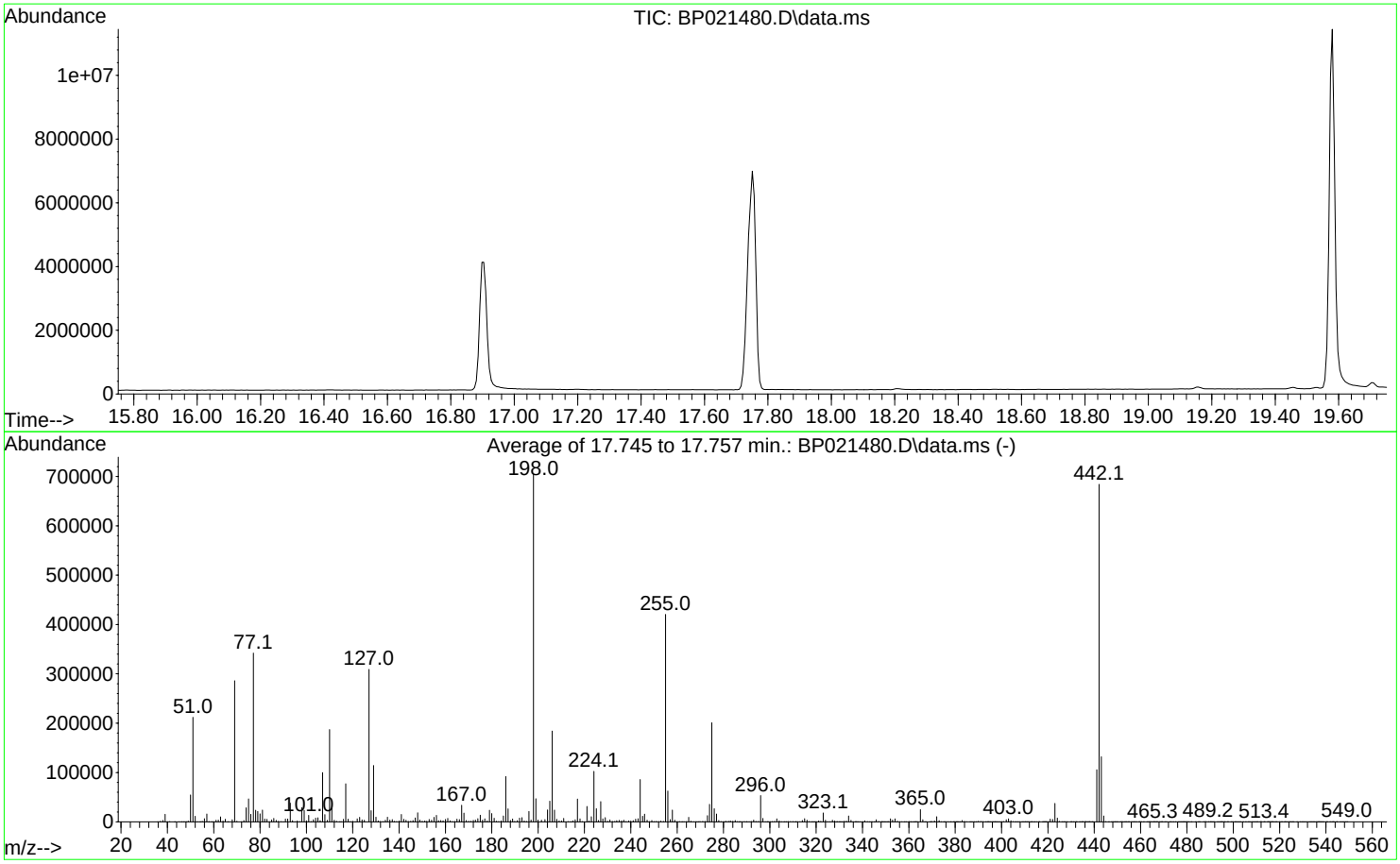
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021480.D
Acq On : 13 Aug 2024 11:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 14 00:00:30 2024



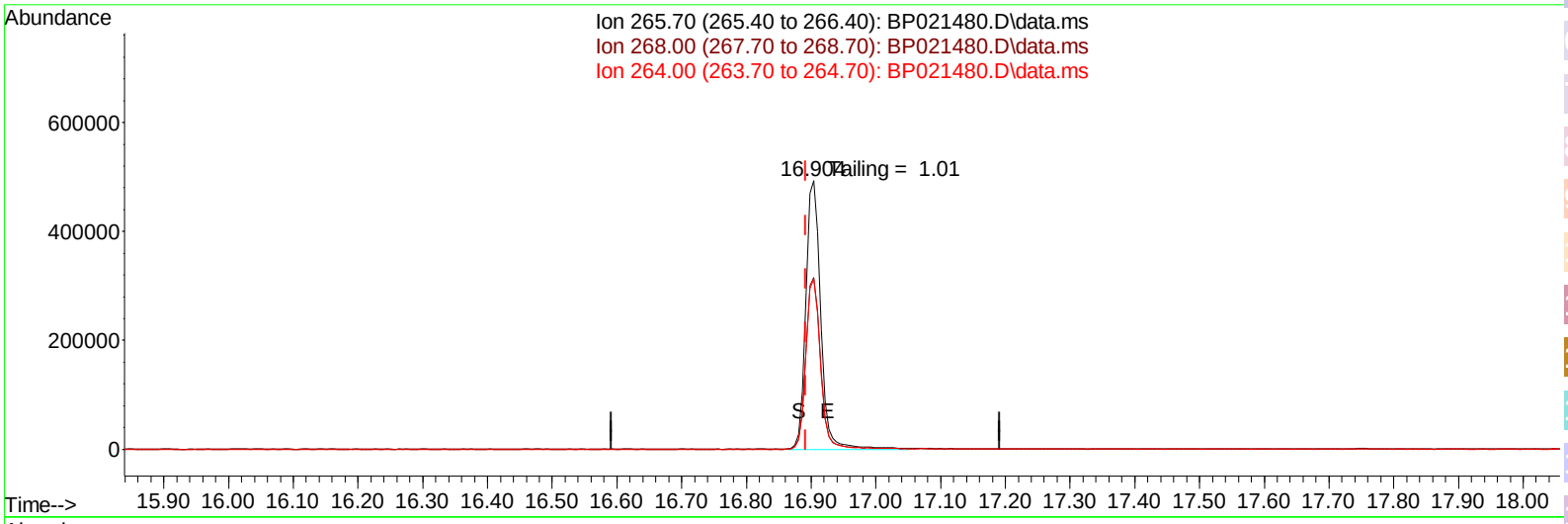
AutoFind: Scans 2509, 2510, 2511; Background Corrected with Scan 2499

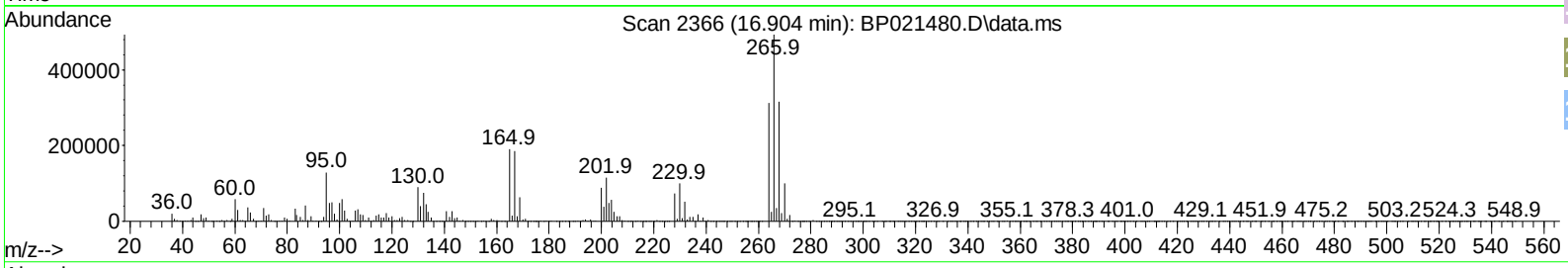
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.1	212028	PASS
68	69	0.00	2	1.5	4256	PASS
69	198	0.00	100	40.6	286100	PASS
70	69	0.00	2	0.4	1197	PASS
127	198	10	80	43.9	309160	PASS
197	198	0.00	2	0.5	3666	PASS
198	198	100	100	100.0	704123	PASS
199	198	5	9	6.6	46731	PASS
275	198	10	60	28.5	200892	PASS
365	198	1	100	3.5	24968	PASS
441	198	0.01	100	15.0	105600	PASS
442	442	100	100	100.0	684335	PASS
443	442	15	24	19.3	131982	PASS

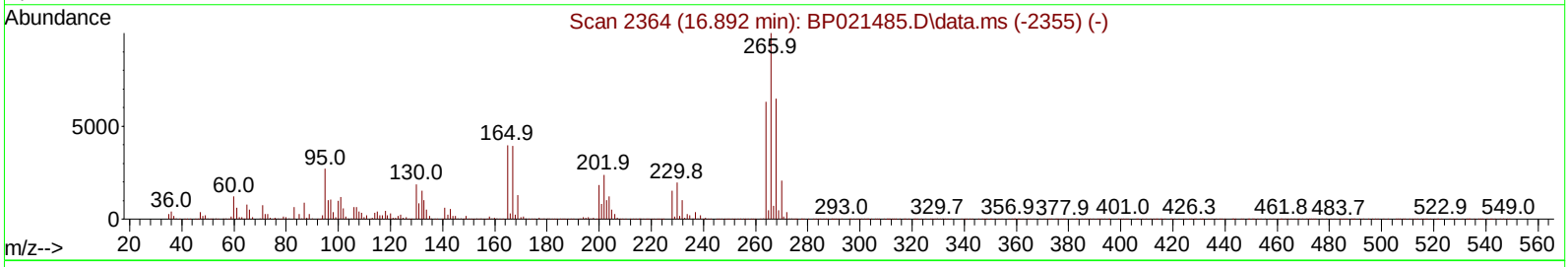
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021480.D
Acq On : 13 Aug 2024 11:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 00:14:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration







TIC: BP021480.D\data.ms

(70) Pentachlorophenol (C)

16.904min (+ 0.012) 6855729.98 ng

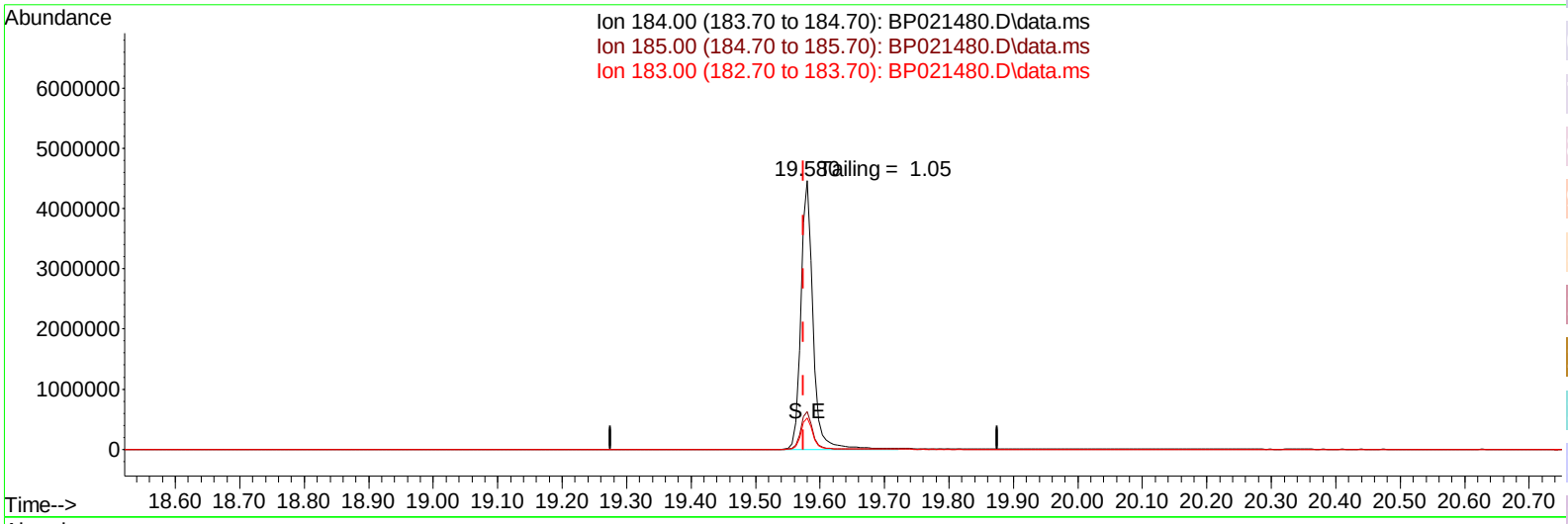
response 795611

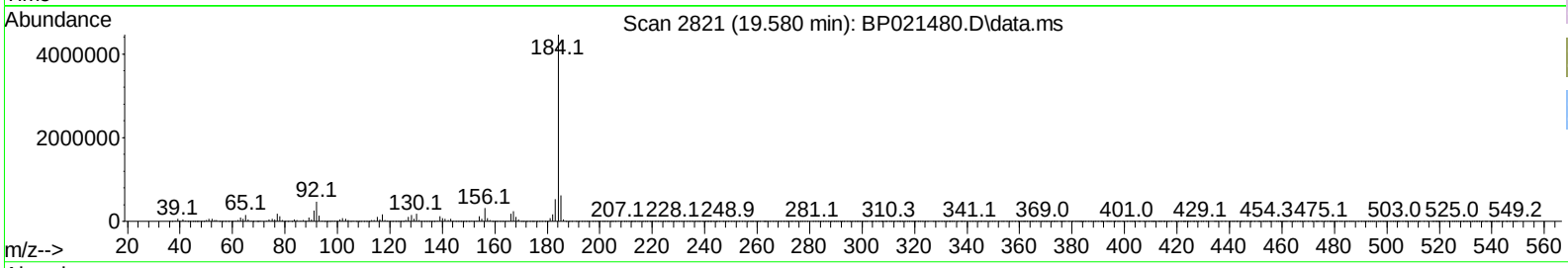
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.70	64.10
264.00	63.10	63.36
0.00	0.00	0.00

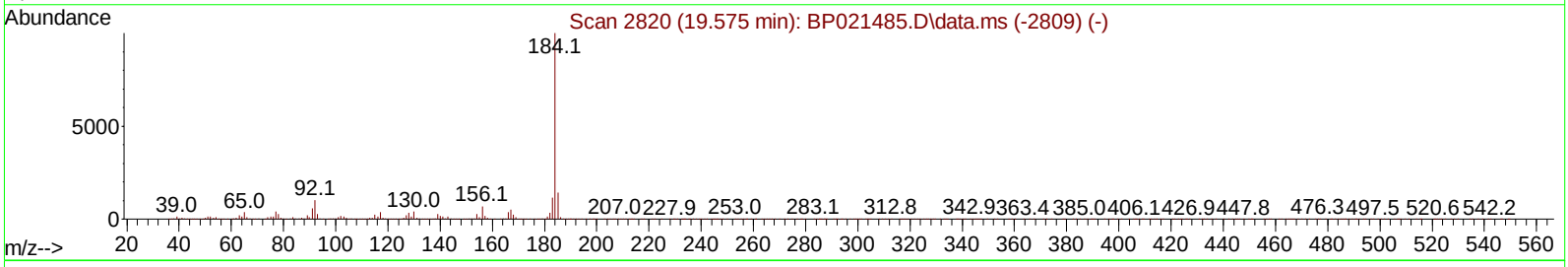
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021480.D
Acq On : 13 Aug 2024 11:49
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 14 00:14:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration







TIC: BP021480.D\data.ms

(77) Benzidine

19.580min (+ 0.005) -20.00 ng

response 5830874

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.05
183.00	11.60	11.75
0.00	0.00	0.00

Instrument :
BNA_P
ClientSampleId :
DFTPP

DDT Breakdown

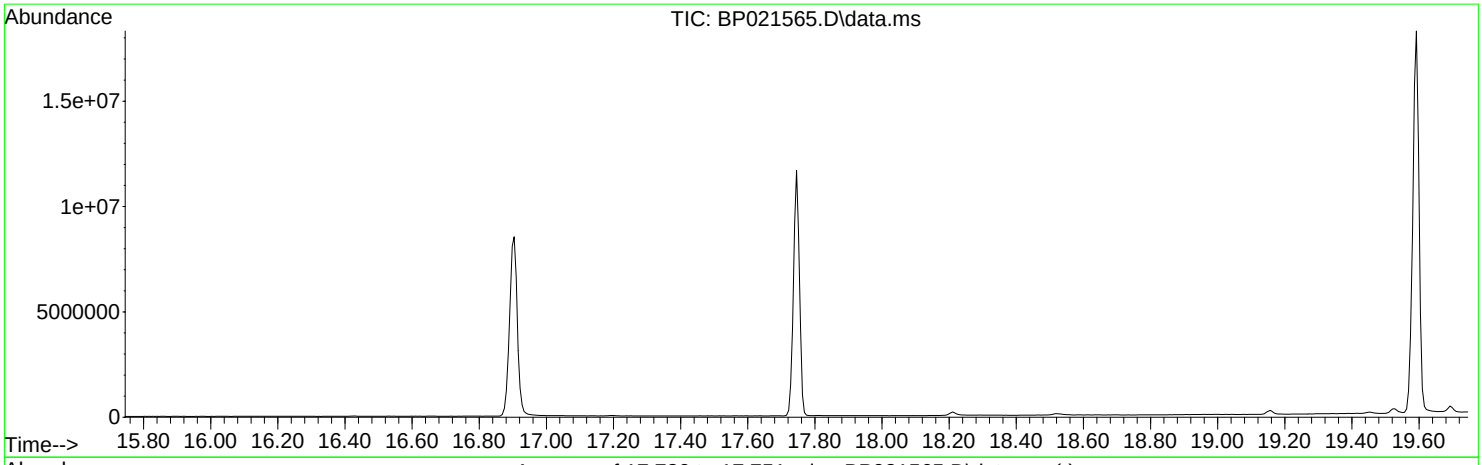
Date	Instrument Name	DFTPP Data File
8/13/2024	BNA_P	BP021480.D
Compound Name	**Response**	**Retention Time**
DDT	2081689	20.88
DDD	17224	20.486
DDE	158	19.962
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
17382	2099071	0.83

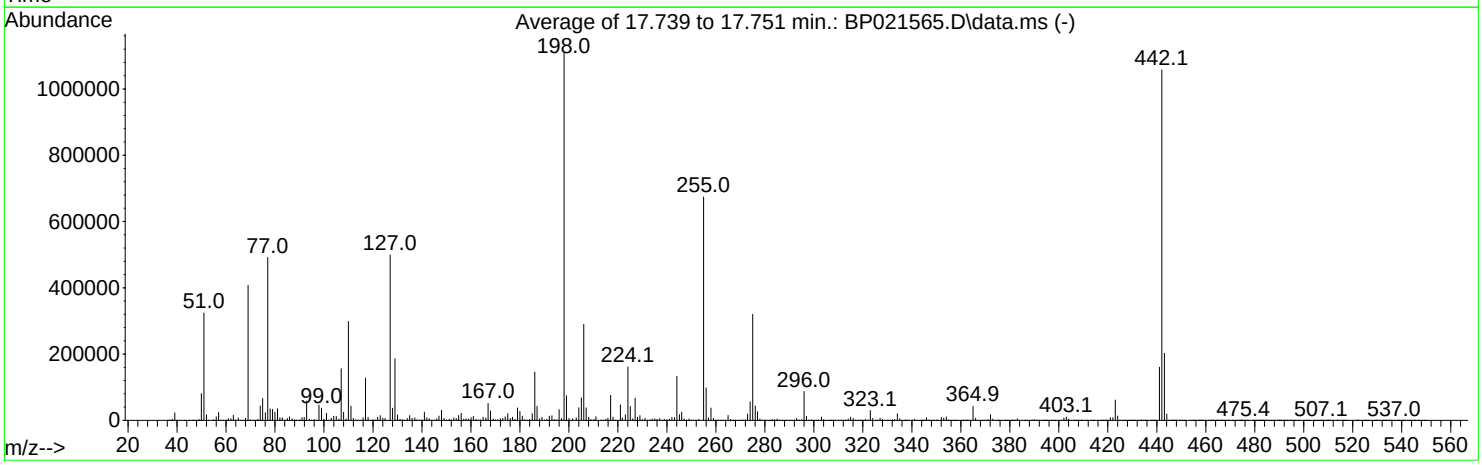
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021565.D
Acq On : 20 Aug 2024 09:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 14 00:00:30 2024





AutoFind: Scans 2508, 2509, 2510; Background Corrected with Scan 2498

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.2	324123	PASS
68	69	0.00	2	1.6	6547	PASS
69	198	0.00	100	36.7	407478	PASS
70	69	0.00	2	0.5	2016	PASS
127	198	10	80	44.9	498814	PASS
197	198	0.00	2	0.5	5669	PASS
198	198	100	100	100.0	1109972	PASS
199	198	5	9	6.7	74231	PASS
275	198	10	60	28.9	320288	PASS
365	198	1	100	3.8	42187	PASS
441	198	0.01	100	14.4	160344	PASS
442	442	100	100	100.0	1057190	PASS
443	442	15	24	19.1	202151	PASS

Instrument :
BNA_P
ClientSampleId :
DFTPP

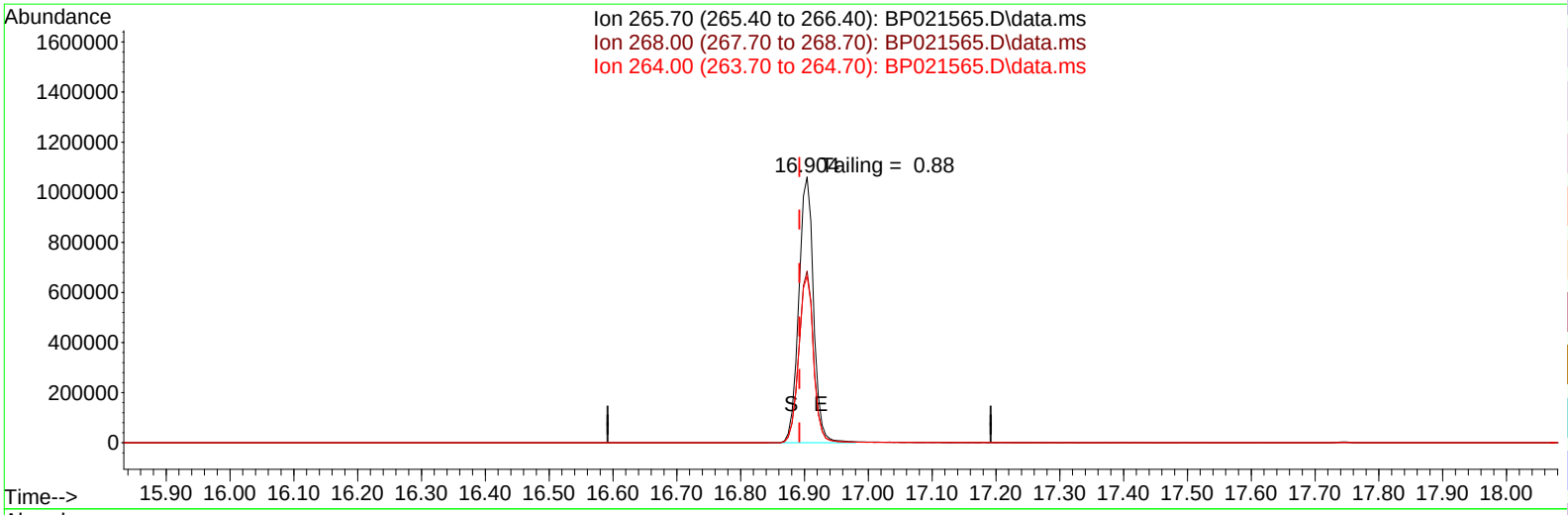
DDT Breakdown

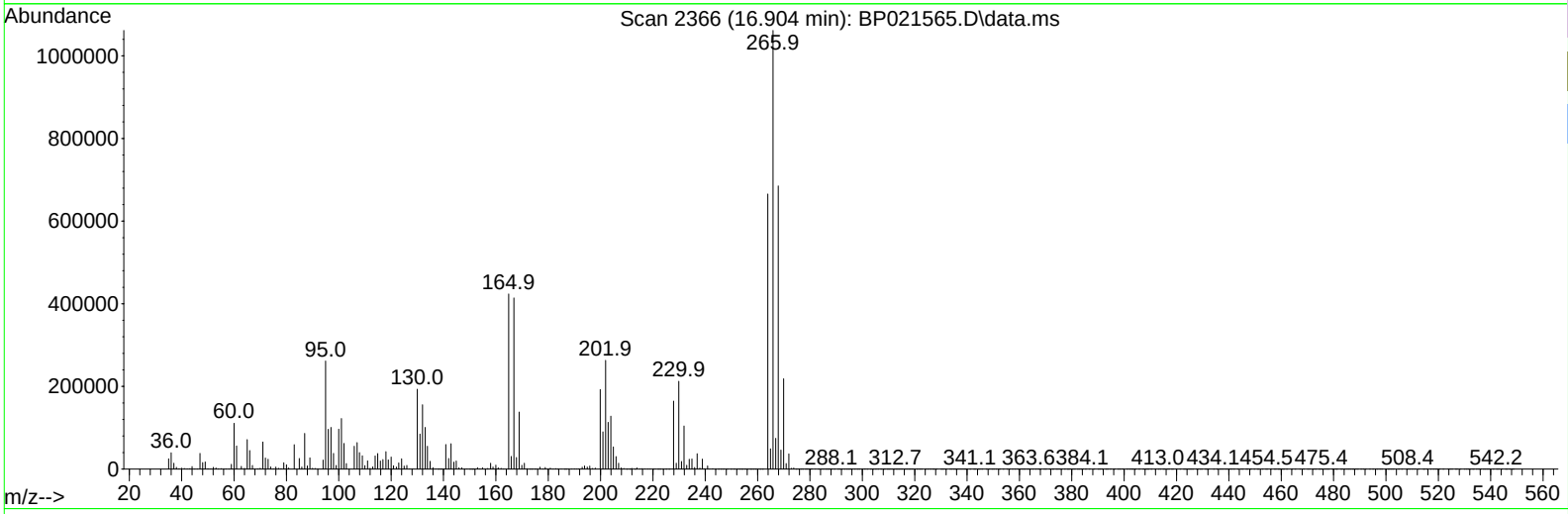
Date	Instrument Name	DFTPP Data File
8/20/2024	BNA_P	BP021565.D
Compound Name	**Response**	**Retention Time**
DDT	4160702	20.892
DDD	231762	20.422
DDE	2972	19.898
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
234734	4395436	5.34

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021565.D
Acq On : 20 Aug 2024 09:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 20 11:19:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration





TIC: BP021565.D\data.ms

(70) Pentachlorophenol (C)

16.904min (+ 0.012) 916265.56 ng

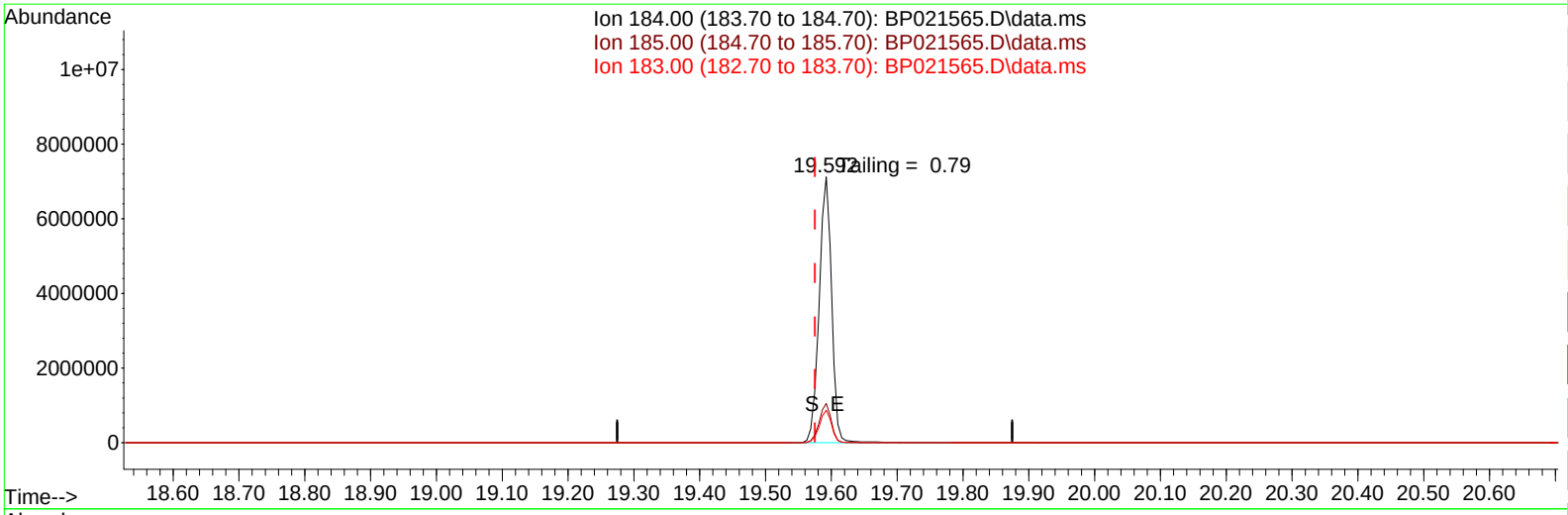
response 1726349

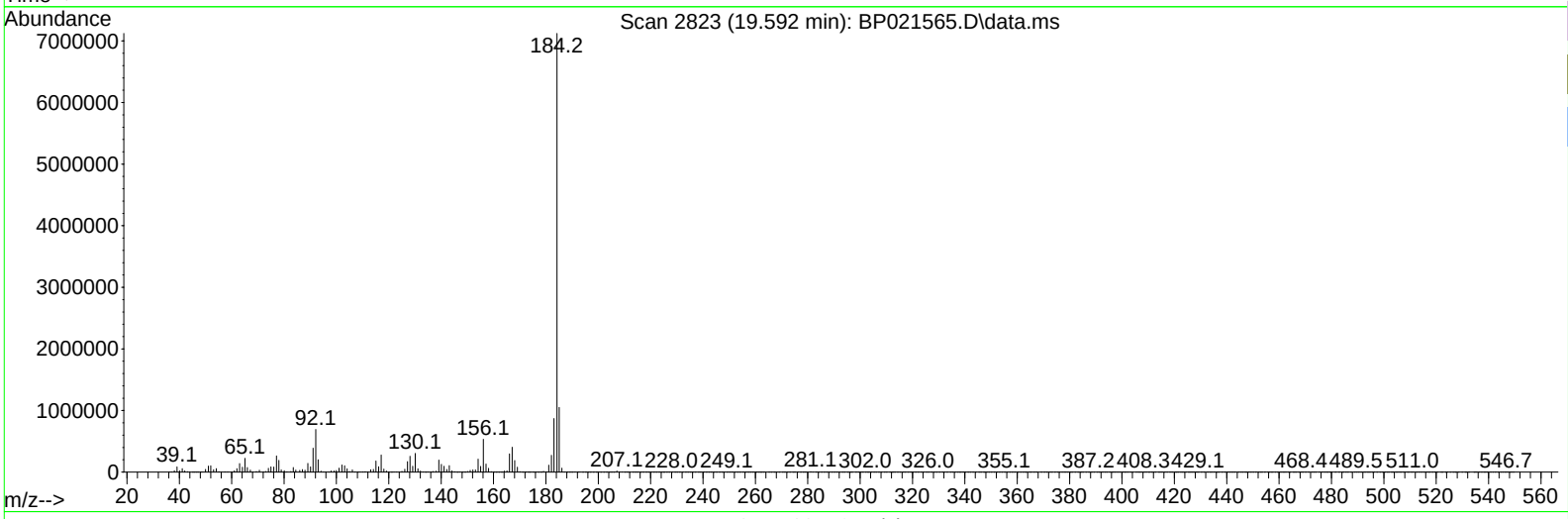
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.70	64.57
264.00	63.10	62.71
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021565.D
Acq On : 20 Aug 2024 09:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 20 11:19:26 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration





TIC: BP021565.D\data.ms

(77) Benzidine

19.592min (+ 0.017) -20.00 ng

response 9393500

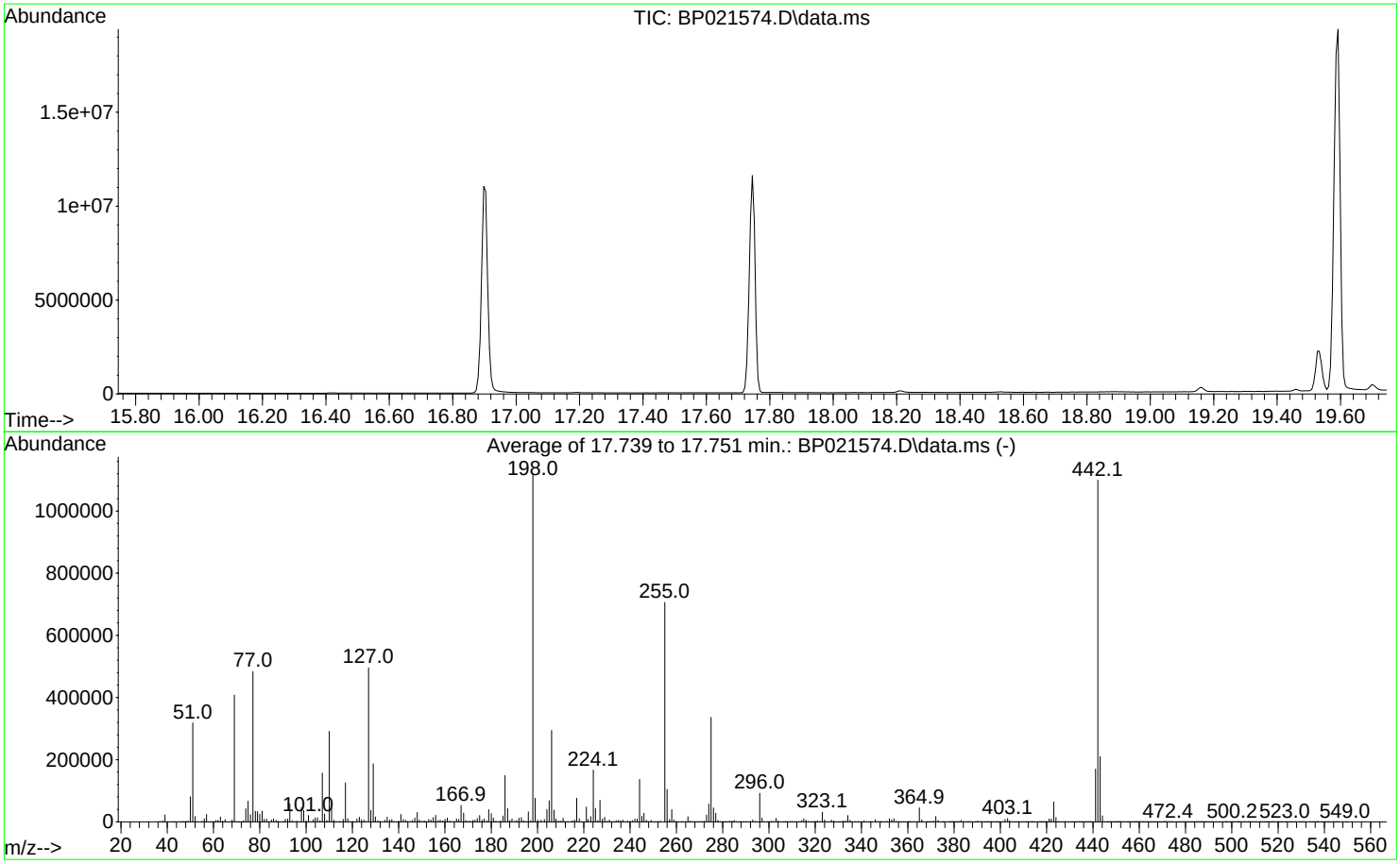
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.73
183.00	11.60	12.22
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021574.D
Acq On : 20 Aug 2024 15:57
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 14 00:00:30 2024



AutoFind: Scans 2508, 2509, 2510; Background Corrected with Scan 2496

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.5	318494	PASS
68	69	0.00	2	1.6	6404	PASS
69	198	0.00	100	36.5	407976	PASS
70	69	0.00	2	0.4	1654	PASS
127	198	10	80	44.3	495609	PASS
197	198	0.00	2	0.3	3742	PASS
198	198	100	100	100.0	1117661	PASS
199	198	5	9	6.8	76061	PASS
275	198	10	60	30.1	336655	PASS
365	198	1	100	4.0	45002	PASS
441	198	0.01	100	15.2	169704	PASS
442	442	100	100	100.0	1099215	PASS
443	442	15	24	19.1	210240	PASS

Instrument :
BNA_P
ClientSampleId :
DFTPP

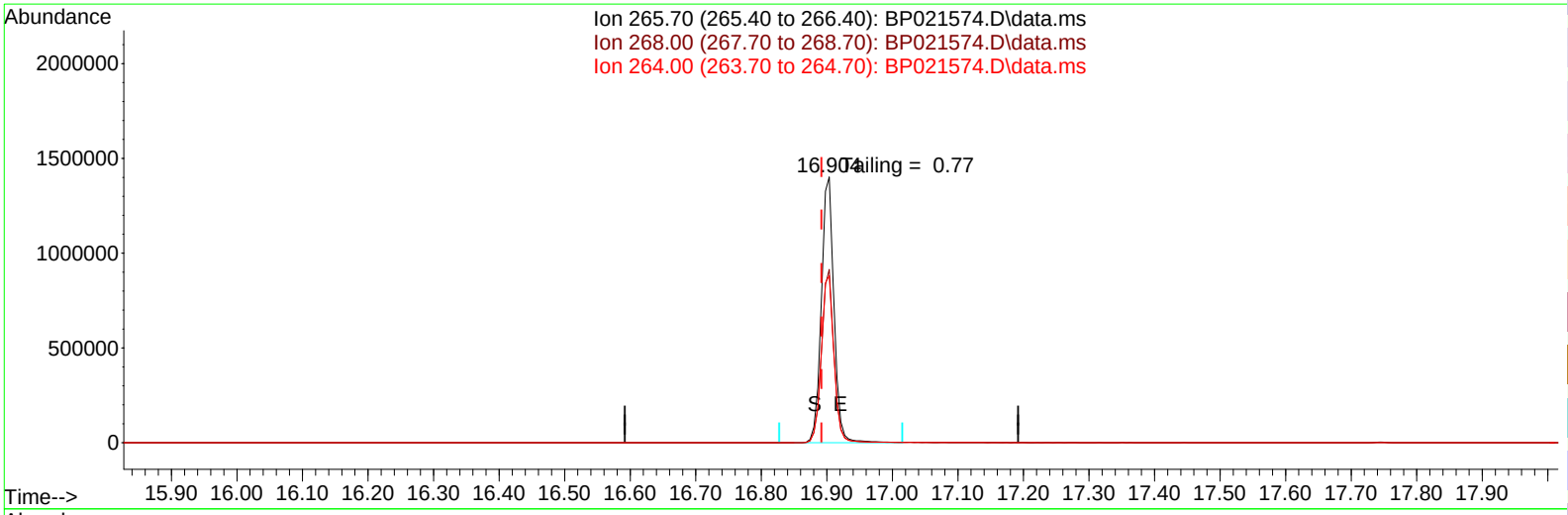
DDT Breakdown

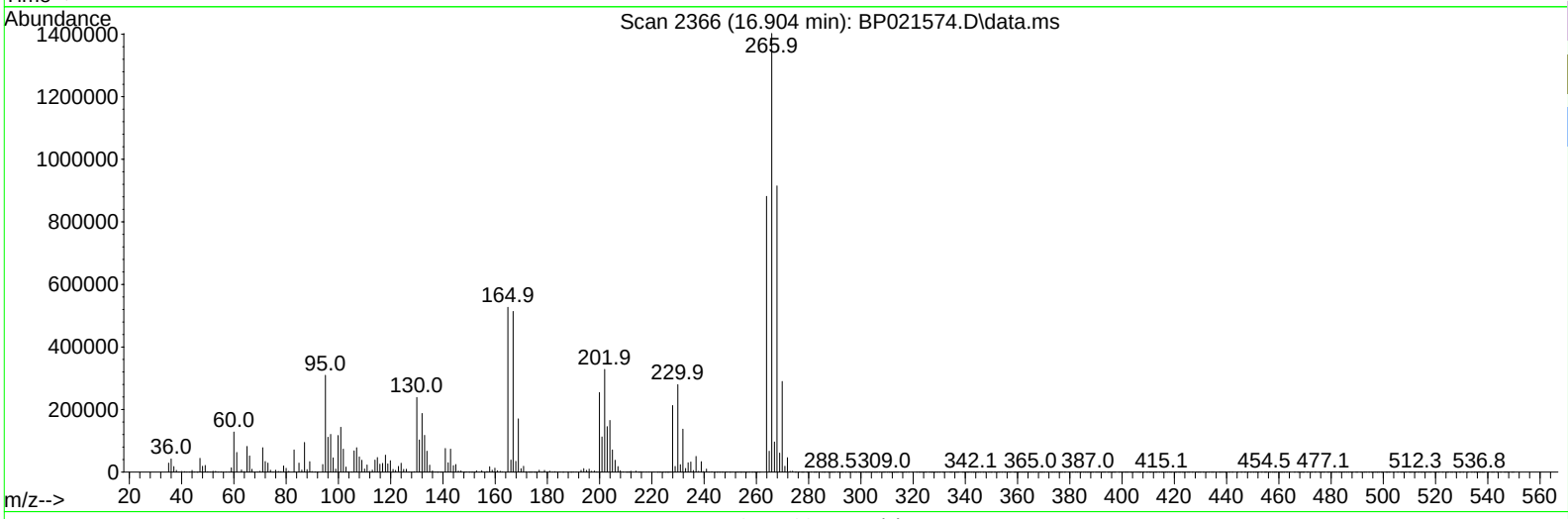
Date	Instrument Name	DFTPP Data File
8/20/2024	BNA_P	BP021574.D
Compound Name	**Response**	**Retention Time**
DDT	4861860	20.892
DDD	175942	20.427
DDE	3862	19.898
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
179804	5041664	3.57

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021574.D
Acq On : 20 Aug 2024 15:57
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 20 16:56:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration





TIC: BP021574.D\data.ms

(70) Pentachlorophenol (C)

16.904min (+ 0.012) 1466831.19 ng

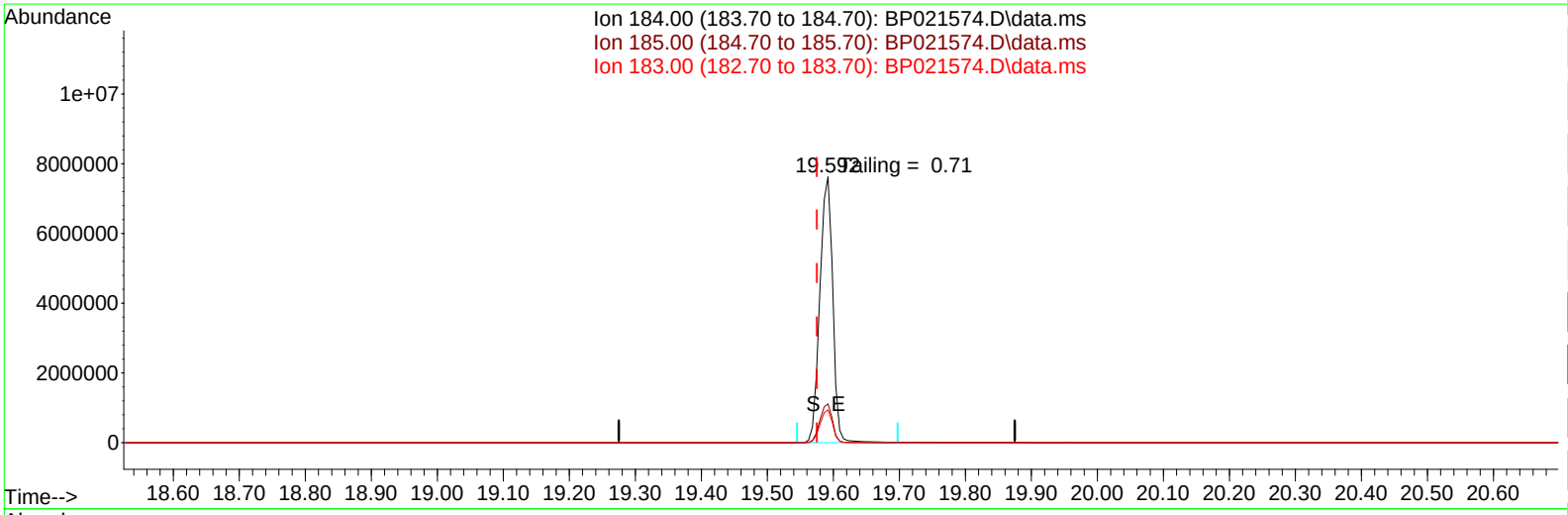
response 1882505

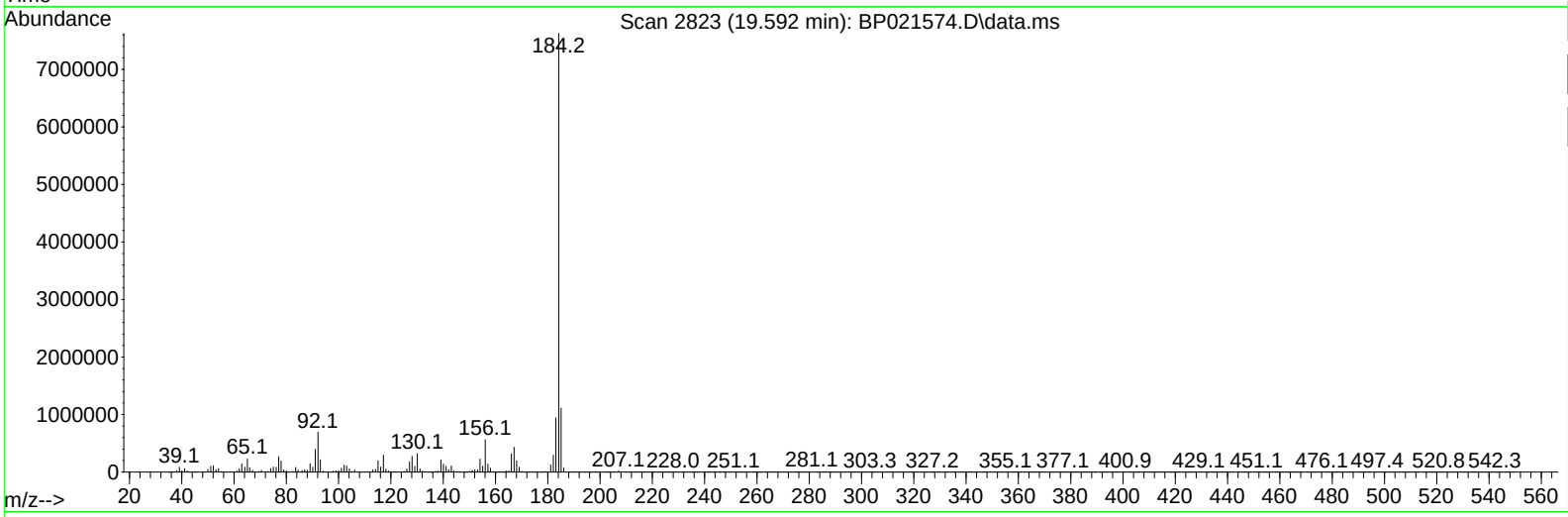
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.70	65.26
264.00	63.10	62.86
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021574.D
Acq On : 20 Aug 2024 15:57
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Aug 20 16:56:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration





TIC: BP021574.D\data.ms

(77) Benzidine

19.592min (+ 0.017) -20.00 ng

response 10375641

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.60
183.00	11.60	12.36
0.00	0.00	0.00

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162822BL	SDG No.:	P3657
Lab Sample ID:	PB162822BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
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
BP021567.D	1	08/19/24 09:40	08/20/24 10:49	PB162822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	1.60	U	1.60	5.00	ug/L
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	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
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	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
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	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
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162822BL	SDG No.:	P3657
Lab Sample ID:	PB162822BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
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
BP021567.D	1	08/19/24 09:40	08/20/24 10:49	PB162822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	130		15 (10) - 110 (139)	87%	SPK: 150
13127-88-3	Phenol-d6	120		15 (10) - 110 (134)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.5		30 (49) - 130 (133)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.7		30 (52) - 130 (132)	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	158		15 (44) - 110 (137)	105%	SPK: 150
1718-51-0	Terphenyl-d14	82.4		30 (48) - 130 (125)	82%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	385000	7.805			
1146-65-2	Naphthalene-d8	1560000	10.593			
15067-26-2	Acenaphthene-d10	1020000	14.445			
1517-22-2	Phenanthrene-d10	2410000	17.257			
1719-03-5	Chrysene-d12	2580000	21.722			
1520-96-3	Perylene-d12	2890000	25.18			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021567.D
Acq On : 20 Aug 2024 10:49
Operator : RC/JU
Sample : PB162822BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB162822BL

Quant Time: Aug 20 11:21:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

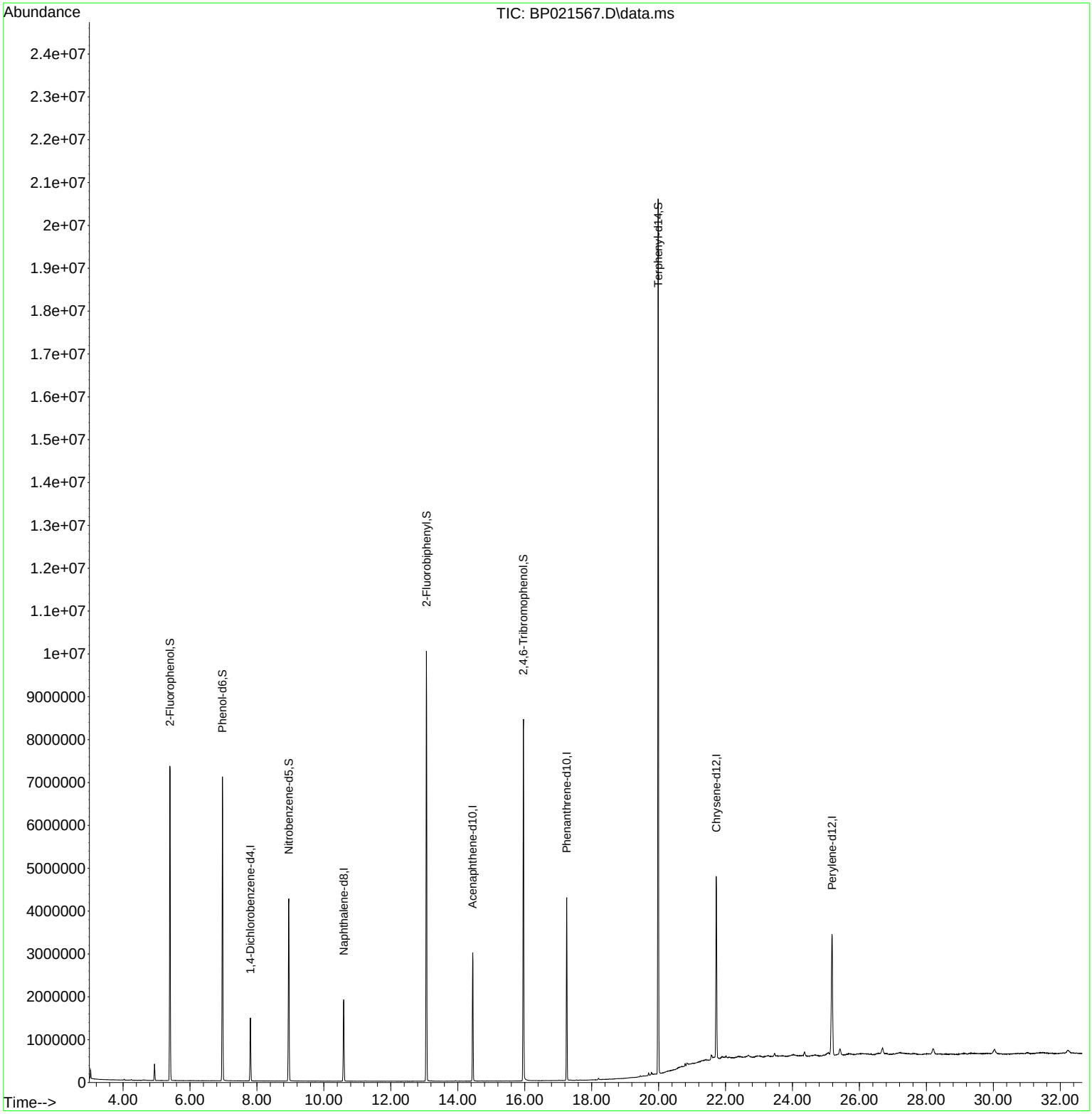
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	385209	20.000	ng	0.00
21) Naphthalene-d8	10.593	136	1560541	20.000	ng	0.00
39) Acenaphthene-d10	14.445	164	1021934	20.000	ng	-0.01
64) Phenanthrene-d10	17.257	188	2408801	20.000	ng	0.00
76) Chrysene-d12	21.722	240	2576176	20.000	ng	0.02
86) Perylene-d12	25.180	264	2892860	20.000	ng	0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.405	112	3380481	130.307	ng	0.01
7) Phenol-d6	6.969	99	4524489	119.556	ng	0.00
23) Nitrobenzene-d5	8.952	82	2737375	90.539	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	1796946	157.991	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	5272853	78.745	ng	0.00
79) Terphenyl-d14	19.986	244	10921233	82.358	ng	0.01
Target Compounds						Qvalue

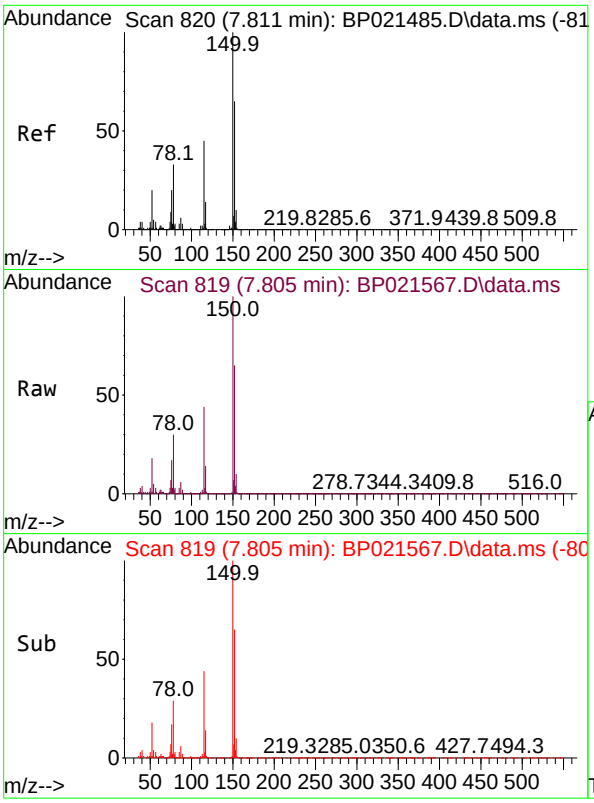
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021567.D
Acq On : 20 Aug 2024 10:49
Operator : RC/JU
Sample : PB162822BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB162822BL

Quant Time: Aug 20 11:21:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration



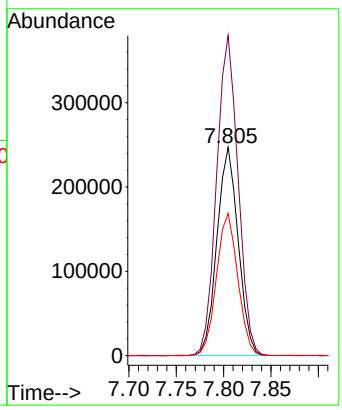


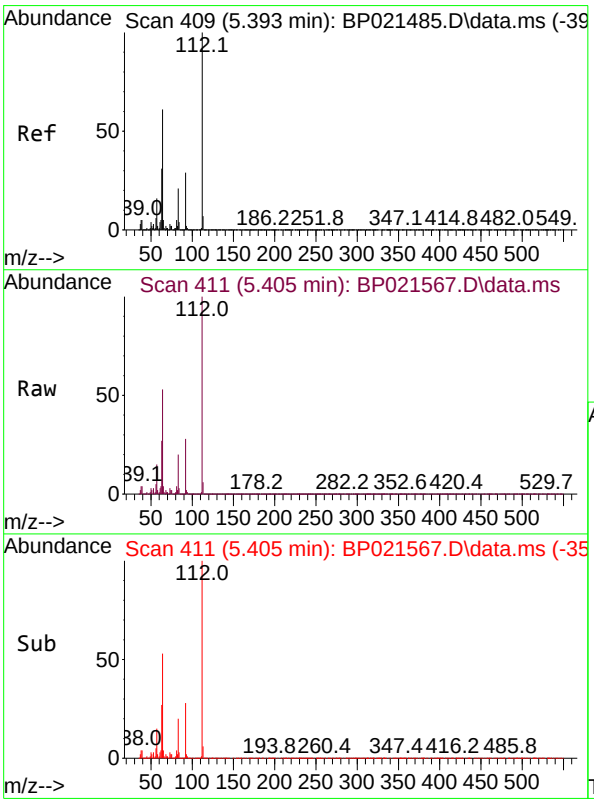
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

Instrument :
BNA_P
ClientSampleId :
PB162822BL

Tgt Ion:152 Resp: 385209

Ion	Ratio	Lower	Upper
152	100		
150	153.6	122.4	183.6
115	68.3	54.7	82.1

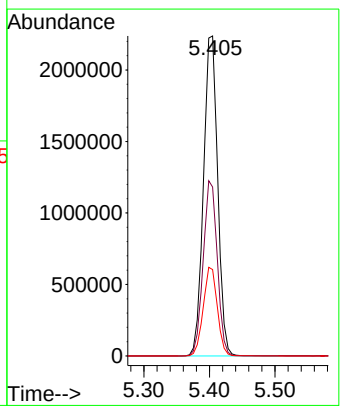


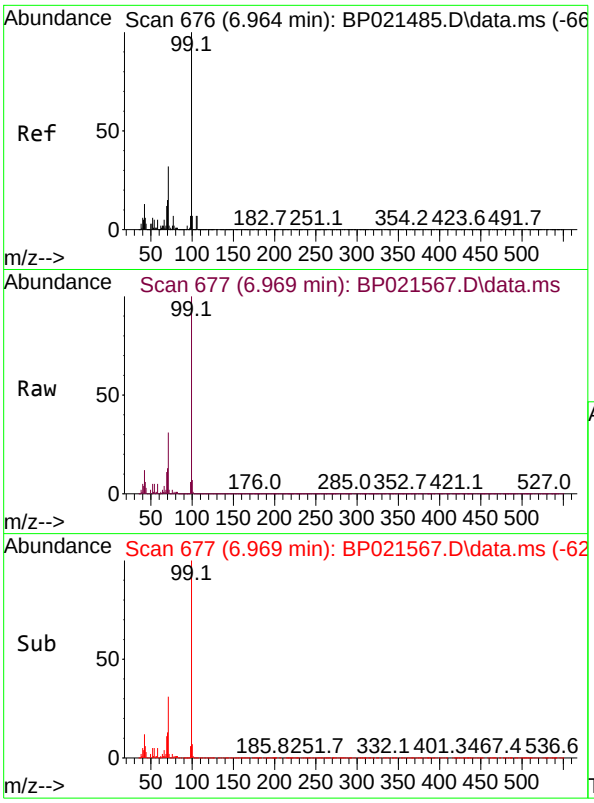


#5
2-Fluorophenol
Concen: 130.307 ng
RT: 5.405 min Scan# 411
Delta R.T. 0.012 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

Tgt Ion:112 Resp: 3380481

Ion	Ratio	Lower	Upper
112	100		
64	52.8	49.0	73.6
63	27.0	24.6	36.8



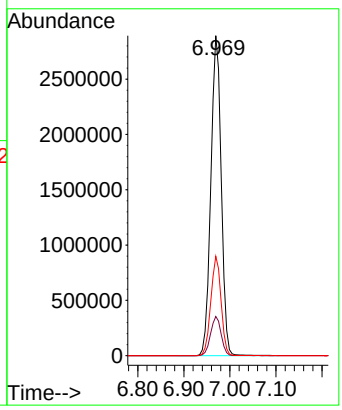


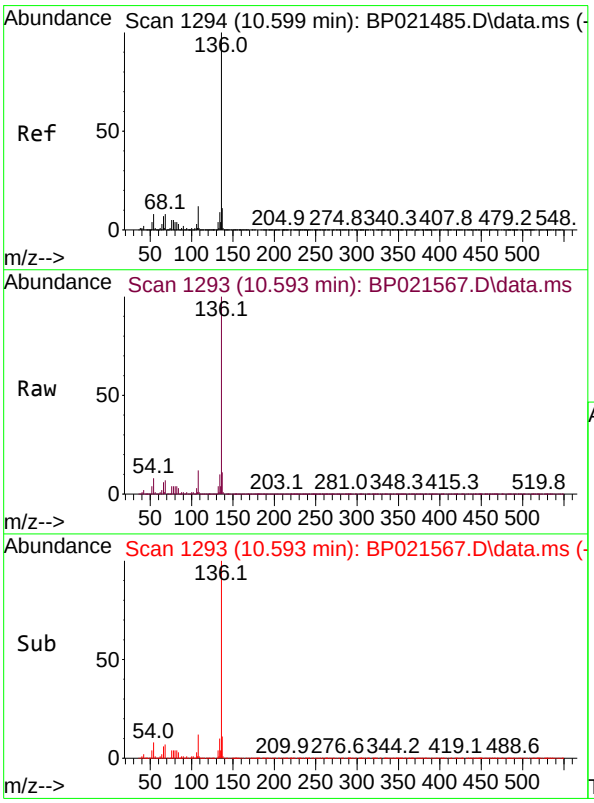
#7
Phenol-d6
Concen: 119.556 ng
RT: 6.969 min Scan# 6
Delta R.T. 0.006 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

Instrument :
BNA_P
ClientSampleId :
PB162822BL

Tgt Ion: 99 Resp: 4524489

Ion	Ratio	Lower	Upper
99	100		
42	12.3	10.2	15.4
71	31.1	25.8	38.8

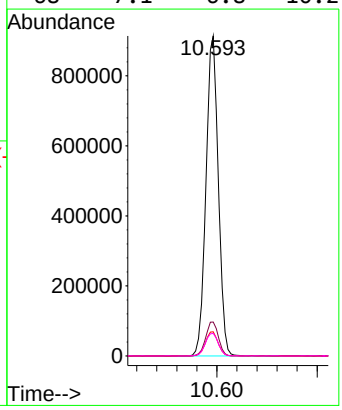


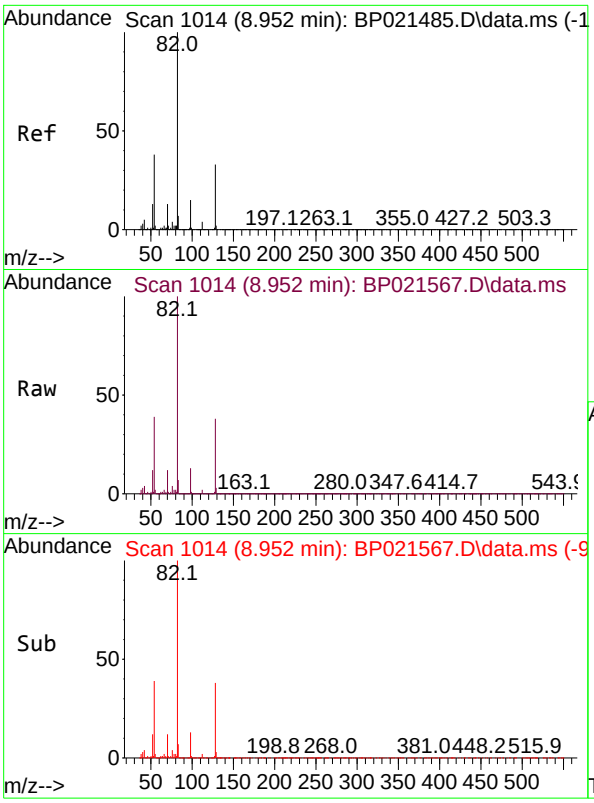


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

Tgt Ion:136 Resp: 1560541

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	7.5	6.3	9.5
68	7.1	6.8	10.2



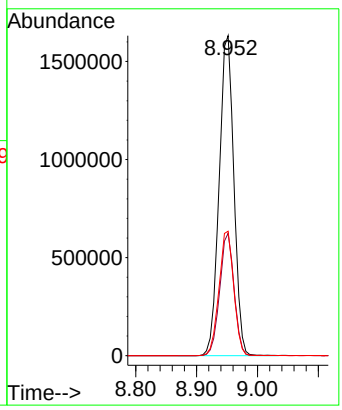


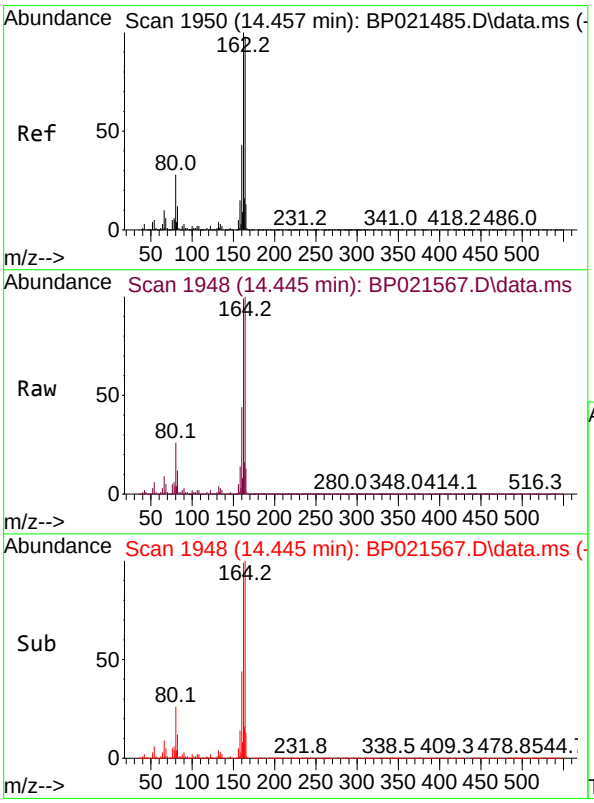
#23
Nitrobenzene-d5
Concen: 90.539 ng
RT: 8.952 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

Instrument :
BNA_P
ClientSampleId :
PB162822BL

Tgt Ion: 82 Resp: 2737375

Ion	Ratio	Lower	Upper
82	100		
128	38.3	26.5	39.7
54	38.9	30.3	45.5

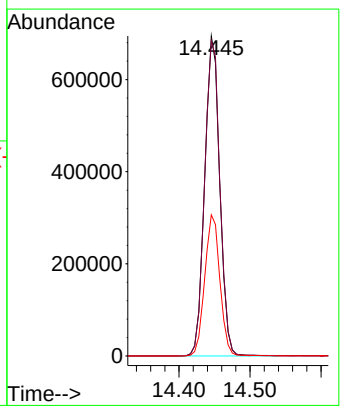


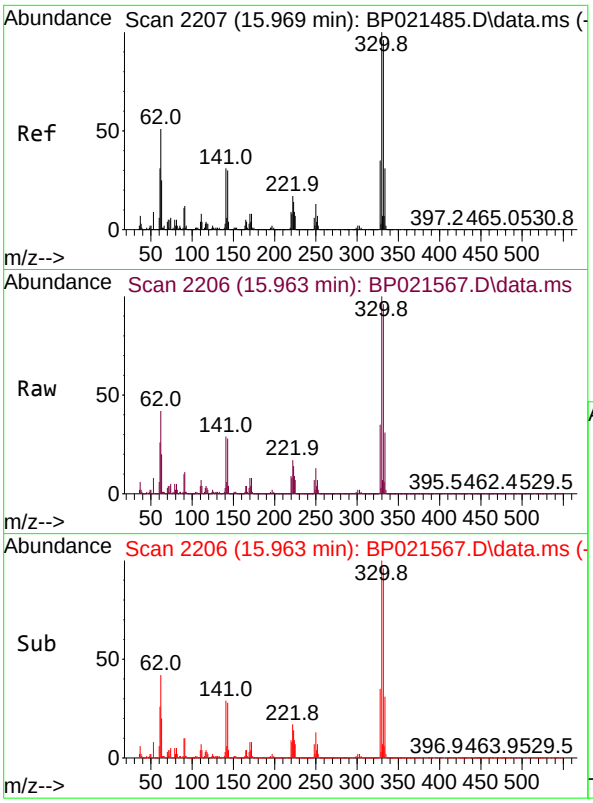


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.445 min Scan# 1948
Delta R.T. -0.012 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

Tgt Ion:164 Resp: 1021934

Ion	Ratio	Lower	Upper
164	100		
162	98.6	81.5	122.3
160	44.1	35.2	52.8



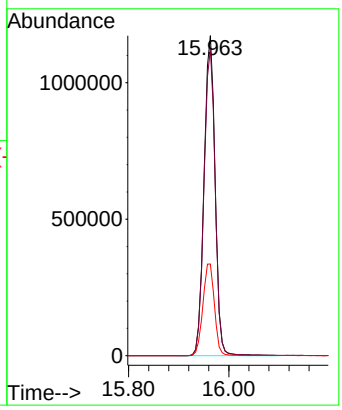


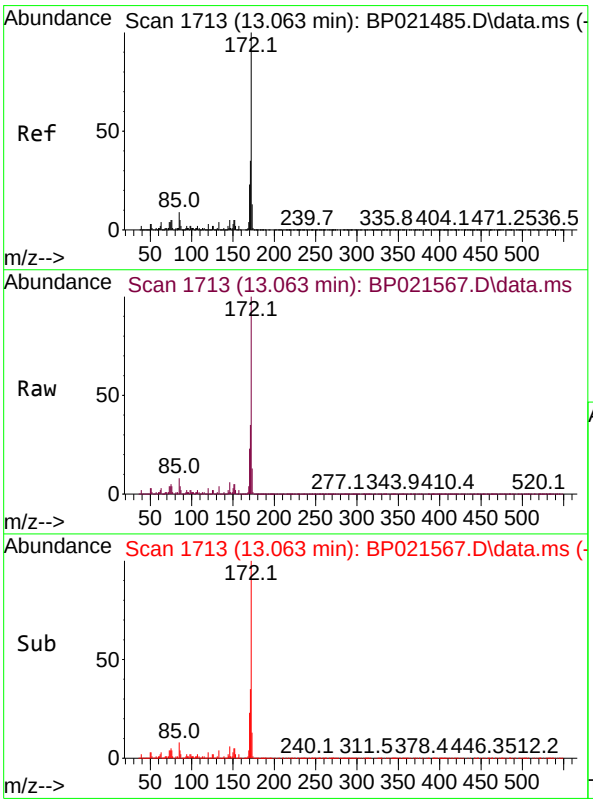
#42
2,4,6-Tribromophenol
Concen: 157.991 ng
RT: 15.963 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

Instrument :
BNA_P
ClientSampleId :
PB162822BL

Tgt Ion:330 Resp: 1796946

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.0
141	30.0	24.5	36.7

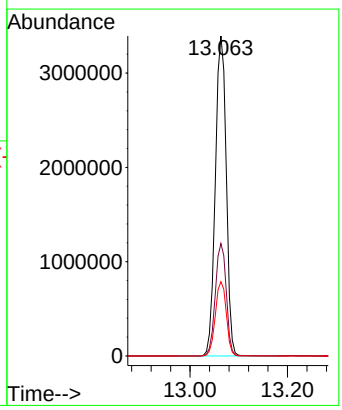


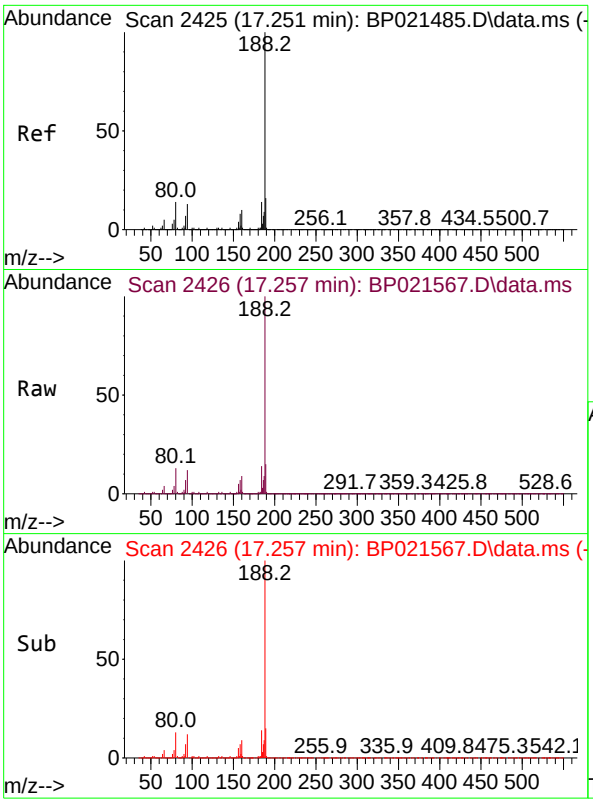


#45
2-Fluorobiphenyl
Concen: 78.745 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

Tgt Ion:172 Resp: 5272853

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	23.2	18.4	27.6



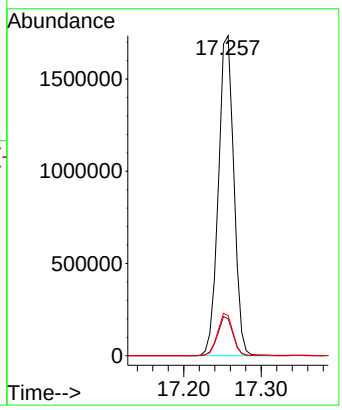


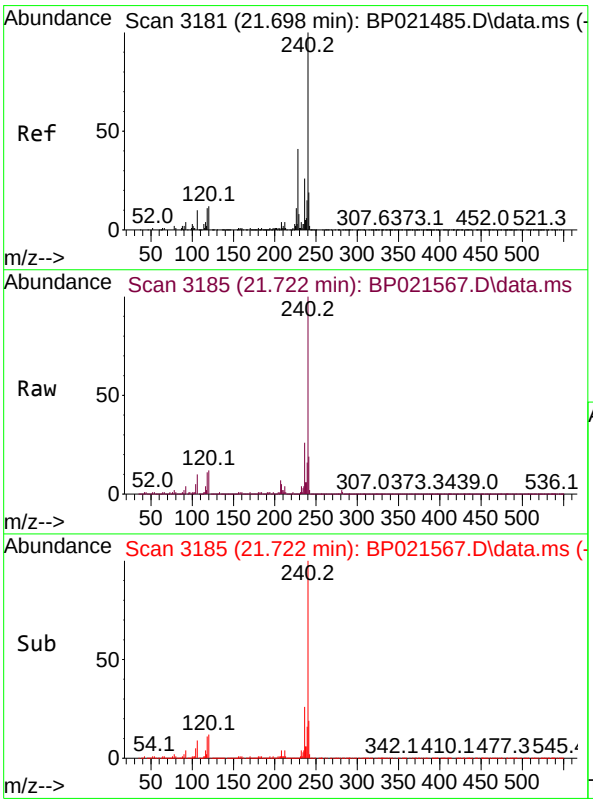
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

Instrument :
BNA_P
ClientSampleId :
PB162822BL

Tgt Ion:188 Resp: 2408801

Ion	Ratio	Lower	Upper
188	100		
94	11.6	10.2	15.4
80	12.6	11.6	17.4

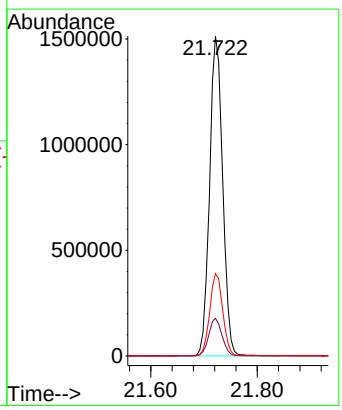


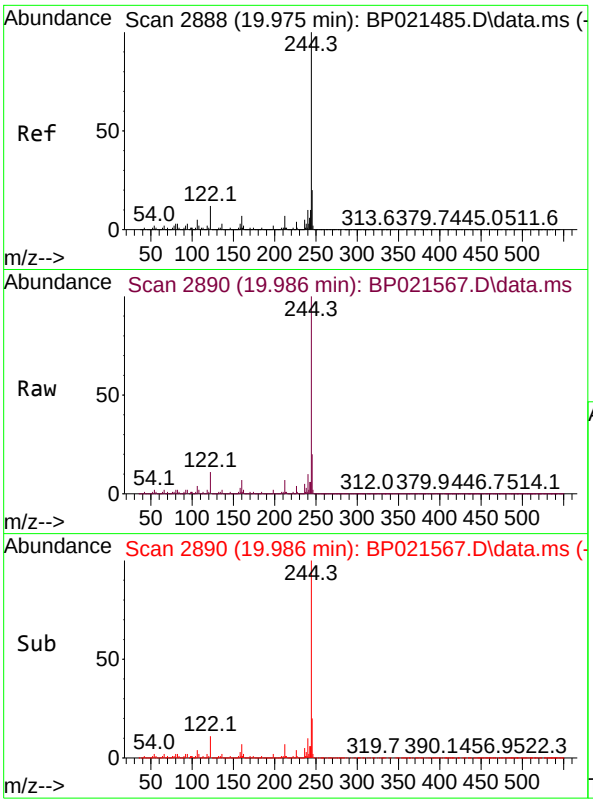


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.722 min Scan# 3185
Delta R.T. 0.024 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

Tgt Ion:240 Resp: 2576176

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.9	14.9
236	25.7	20.6	30.8



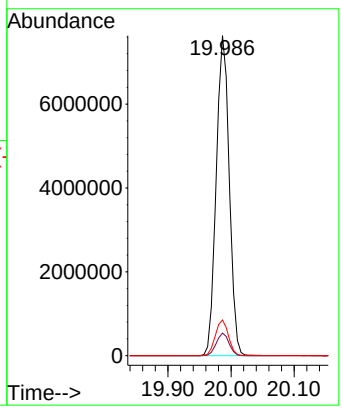


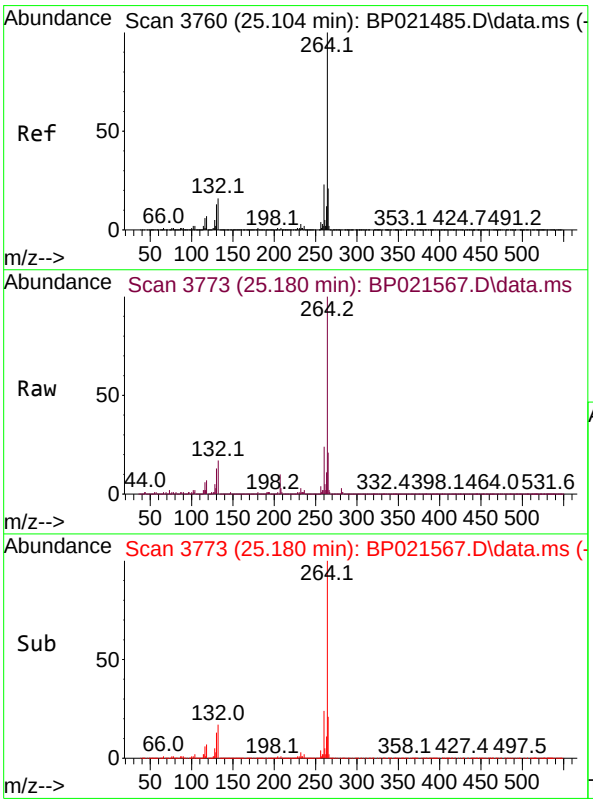
#79
Terphenyl-d14
Concen: 82.358 ng
RT: 19.986 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

Instrument :
BNA_P
ClientSampleId :
PB162822BL

Tgt Ion:244 Resp:10921233

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.6	8.4
122	11.1	9.4	14.2

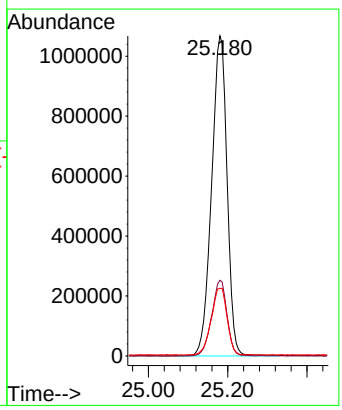




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.180 min Scan# 3773
Delta R.T. 0.076 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

Tgt Ion:264 Resp: 2892860

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.1	17.1	25.7



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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162822BS	SDG No.:	P3657
Lab Sample ID:	PB162822BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
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
BP021568.D	1	08/19/24 09:40	08/20/24 11:31	PB162822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	28.7		1.60	5.00	ug/L
100-52-7	Benzaldehyde	16.8		4.00	10.0	ug/L
95-48-7	2-Methylphenol	49.7		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	51.5		1.20	10.0	ug/L
67-72-1	Hexachloroethane	45.4		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.7		1.30	5.00	ug/L
91-20-3	Naphthalene	43.9		1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.5		1.30	5.00	ug/L
91-57-6	2-Methylnaphthalene	44.8		1.10	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	57.1		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	55.3		1.00	5.00	ug/L
208-96-8	Acenaphthylene	48.9		1.00	5.00	ug/L
83-32-9	Acenaphthene	51.6		0.81	5.00	ug/L
132-64-9	Dibenzofuran	45.7		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	58.1		1.50	5.00	ug/L
86-73-7	Fluorene	43.7		0.96	5.00	ug/L
118-74-1	Hexachlorobenzene	44.5		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	46.6		0.89	5.00	ug/L
120-12-7	Anthracene	47.6		1.10	5.00	ug/L
86-74-8	Carbazole	47.8		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.4		1.50	5.00	ug/L
206-44-0	Fluoranthene	46.1		1.30	5.00	ug/L
129-00-0	Pyrene	48.5		1.10	5.00	ug/L
56-55-3	Benzo(a)anthracene	47.9		0.94	5.00	ug/L
218-01-9	Chrysene	48.0		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	54.2		1.90	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	51.7		1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	50.4		1.20	5.00	ug/L

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

Report of Analysis

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Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162822BS	SDG No.:	P3657
Lab Sample ID:	PB162822BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
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Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
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
BP021568.D	1	08/19/24 09:40	08/20/24 11:31	PB162822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	54.3		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	54.2		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	53.3		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	51.4		1.20	5.00	ug/L
123-91-1	1,4-Dioxane	28.5		1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	42.7		0.86	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	139		15 (10) - 110 (139)	93%	SPK: 150
13127-88-3	Phenol-d6	131		15 (10) - 110 (134)	87%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.7		30 (49) - 130 (133)	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.6		30 (52) - 130 (132)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	157		15 (44) - 110 (137)	105%	SPK: 150
1718-51-0	Terphenyl-d14	85.2		30 (48) - 130 (125)	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	495000	7.81			
1146-65-2	Naphthalene-d8	2070000	10.599			
15067-26-2	Acenaphthene-d10	1390000	14.451			
1517-22-2	Phenanthrene-d10	3040000	17.257			
1719-03-5	Chrysene-d12	2680000	21.727			
1520-96-3	Perylene-d12	2880000	25.168			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021568.D
Acq On : 20 Aug 2024 11:31
Operator : RC/JU
Sample : PB162822BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 12:11:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	494651	20.000	ng	0.00
21) Naphthalene-d8	10.599	136	2073175	20.000	ng	0.00
39) Acenaphthene-d10	14.451	164	1389376	20.000	ng	0.00
64) Phenanthrene-d10	17.257	188	3038381	20.000	ng	0.00
76) Chrysene-d12	21.727	240	2684396	20.000	ng	0.03
86) Perylene-d12	25.168	264	2880701	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.411	112	4632548	139.062	ng	0.02
7) Phenol-d6	6.981	99	6354941	130.771	ng	0.02
23) Nitrobenzene-d5	8.957	82	3764035	93.712	ng	0.00
42) 2,4,6-Tribromophenol	15.963	330	2430215	157.161	ng	0.00
45) 2-Fluorobiphenyl	13.063	172	7244303	79.575	ng	0.00
79) Terphenyl-d14	19.980	244	11775634	85.222	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.322	88	450308	28.508	ng	99
3) Pyridine	3.717	79	1265449m	28.698	ng	
4) n-Nitrosodimethylamine	3.622	42	562224	42.420	ng	90
6) Aniline	7.134	93	1353041	27.851	ng	97
8) 2-Chlorophenol	7.381	128	1635284	53.119	ng	94
9) Benzaldehyde	6.946	77	523494m	16.825	ng	
10) Phenol	7.005	94	2456949	48.824	ng	97
11) bis(2-Chloroethyl)ether	7.228	93	1787223	41.972	ng	96
12) 1,3-Dichlorobenzene	7.705	146	1603283	43.844	ng	96
13) 1,4-Dichlorobenzene	7.846	146	1626757	44.056	ng	98
14) 1,2-Dichlorobenzene	8.157	146	1576656	44.308	ng	99
15) Benzyl Alcohol	8.046	79	1665499	47.766	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.328	45	1679419	42.828	ng	97
17) 2-Methylphenol	8.246	107	1581707	49.719	ng	97
18) Hexachloroethane	8.893	117	671831	45.372	ng	97
19) n-Nitroso-di-n-propyla...	8.610	70	1291565	38.475	ng	95
20) 3+4-Methylphenols	8.575	107	2208573	51.486	ng	98
22) Acetophenone	8.622	105	2535541	39.810	ng	98
24) Nitrobenzene	8.999	77	1948611	44.668	ng	91
25) Isophorone	9.528	82	3876788	40.856	ng	97
26) 2-Nitrophenol	9.704	139	810333	63.198	ng	94
27) 2,4-Dimethylphenol	9.769	122	1260392	53.822	ng	97
28) bis(2-Chloroethoxy)met...	10.004	93	2441309	42.148	ng	99
29) 2,4-Dichlorophenol	10.240	162	1550319	56.031	ng	97
30) 1,2,4-Trichlorobenzene	10.457	180	1545646	43.572	ng	98
31) Naphthalene	10.646	128	4750296	43.861	ng	100
32) Benzoic acid	9.928	122	1255905	69.217	ng	91
33) 4-Chloroaniline	10.746	127	1147903	28.216	ng	97
34) Hexachlorobutadiene	10.940	225	927946	41.546	ng	99
35) Caprolactam	11.534	113	591792m	51.386	ng	
36) 4-Chloro-3-methylphenol	11.875	107	2044802	53.276	ng	96
37) 2-Methylnaphthalene	12.257	142	3311877	44.806	ng	100
38) 1-Methylnaphthalene	12.481	142	3109322	42.651	ng	100
40) 1,2,4,5-Tetrachloroben...	12.634	216	1660023	40.778	ng	99
41) Hexachlorocyclopentadiene	12.610	237	1502725	116.470	ng	100
43) 2,4,6-Trichlorophenol	12.869	196	1291184	57.099	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021568.D
Acq On : 20 Aug 2024 11:31
Operator : RC/JU
Sample : PB162822BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 20 12:11:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations APPROVED
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.945	196	1389021	55.286	ng		98
46) 1,1'-Biphenyl	13.275	154	3996688	40.658	ng		98
47) 2-Chloronaphthalene	13.316	162	3361372	43.922	ng		99
48) 2-Nitroaniline	13.510	65	1188075	54.598	ng	#	85
49) Acenaphthylene	14.169	152	5500221	48.890	ng		100
50) Dimethylphthalate	13.904	163	4461019	47.945	ng		99
51) 2,6-Dinitrotoluene	14.010	165	982980	52.003	ng		93
52) Acenaphthene	14.516	154	3809412m	51.606	ng		
53) 3-Nitroaniline	14.345	138	796079	43.541	ng	#	90
54) 2,4-Dinitrophenol	14.557	184	1036408	123.071	ng	#	87
55) Dibenzofuran	14.857	168	5192990	45.731	ng		99
56) 4-Nitrophenol	14.669	139	1830474	116.168	ng	#	85
57) 2,4-Dinitrotoluene	14.816	165	1414718	58.078	ng	#	84
58) Fluorene	15.516	166	4077699	43.711	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.087	232	1266843	59.406	ng		99
60) Diethylphthalate	15.287	149	4548361	47.643	ng		99
61) 4-Chlorophenyl-phenyle...	15.510	204	2084668	43.232	ng		98
62) 4-Nitroaniline	15.528	138	1019125	53.376	ng		92
63) Azobenzene	15.810	77	4900001	41.754	ng		95
65) 4,6-Dinitro-2-methylph...	15.592	198	760962	70.607	ng		95
66) n-Nitrosodiphenylamine	15.728	169	3761401	46.195	ng		99
67) 4-Bromophenyl-phenylether	16.428	248	1446723	44.989	ng		99
68) Hexachlorobenzene	16.545	284	1689715	44.464	ng		100
69) Atrazine	16.710	200	1219298	43.616	ng		100
70) Pentachlorophenol	16.898	266	2234935	107.752	ng		99
71) Phenanthrene	17.304	178	6812697	46.623	ng		100
72) Anthracene	17.392	178	6814116	47.550	ng		100
73) Carbazole	17.669	167	6597878	47.774	ng		99
74) Di-n-butylphthalate	18.275	149	8213695	48.427	ng		99
75) Fluoranthene	19.386	202	8258942	46.065	ng		99
77) Benzidine	19.575	184	1737317	27.868	ng		99
78) Pyrene	19.763	202	8508675	48.494	ng		100
80) Butylbenzylphthalate	20.716	149	3674312	54.638	ng		95
81) Benzo(a)anthracene	21.704	228	8065910	47.864	ng		99
82) 3,3'-Dichlorobenzidine	21.621	252	2385563	44.152	ng		99
83) Chrysene	21.774	228	7638418	48.009	ng		99
84) Bis(2-ethylhexyl)phtha...	21.657	149	5396475	54.182	ng		100
85) Di-n-octyl phthalate	22.980	149	9325220	52.766	ng		97
87) Indeno(1,2,3-cd)pyrene	29.092	276	10117374m	54.182	ng		
88) Benzo(b)fluoranthene	24.086	252	8554644	51.707	ng		100
89) Benzo(k)fluoranthene	24.157	252	8136624	50.415	ng		99
90) Benzo(a)pyrene	25.010	252	7802789	54.347	ng		99
91) Dibenzo(a,h)anthracene	29.198	278	8263413	53.260	ng		99
92) Benzo(g,h,i)perylene	30.303	276	7985298	51.350	ng		100

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

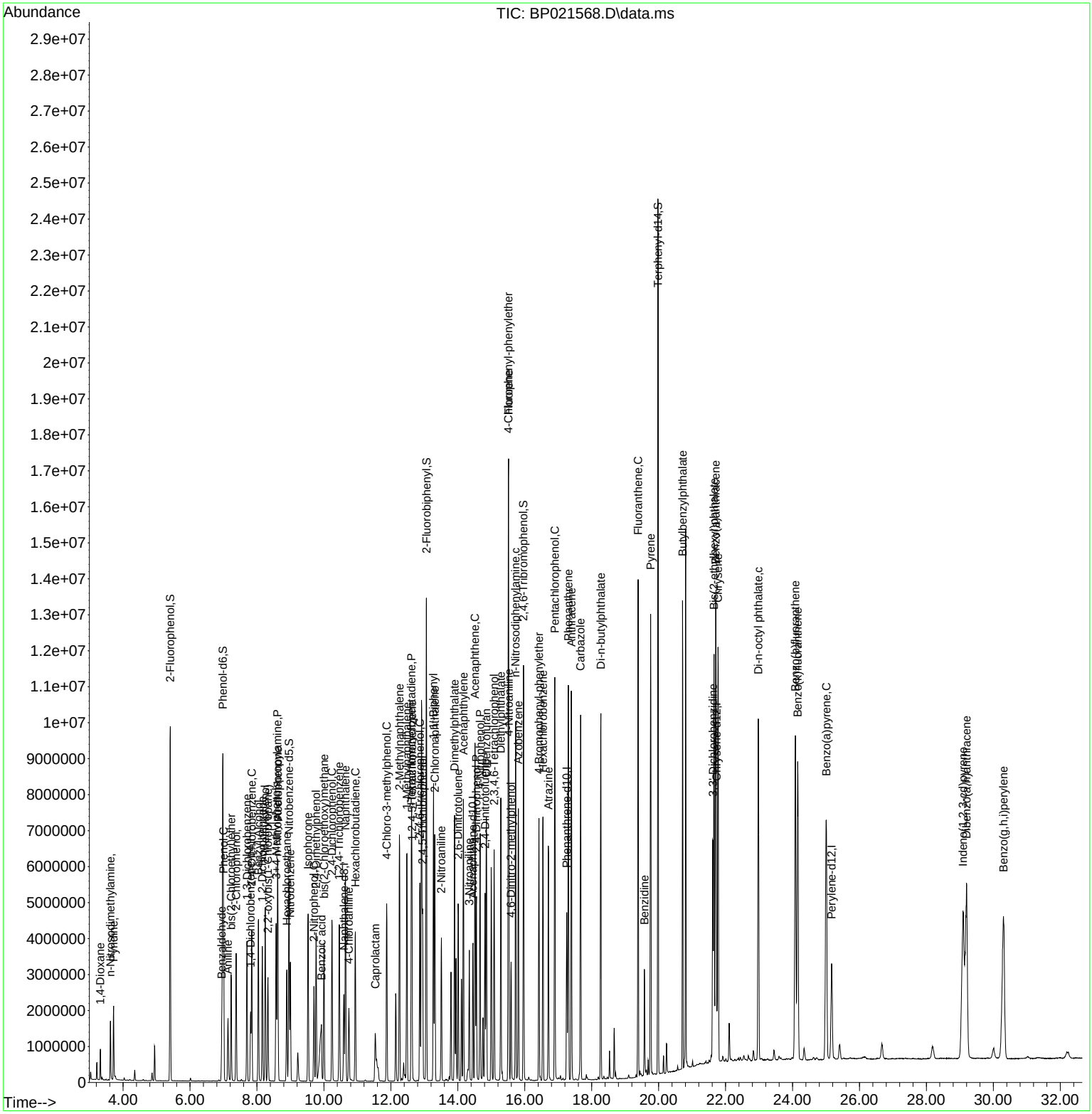
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Data File : BP021568.D
Acq On : 20 Aug 2024 11:31
Operator : RC/JU
Sample : PB162822BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

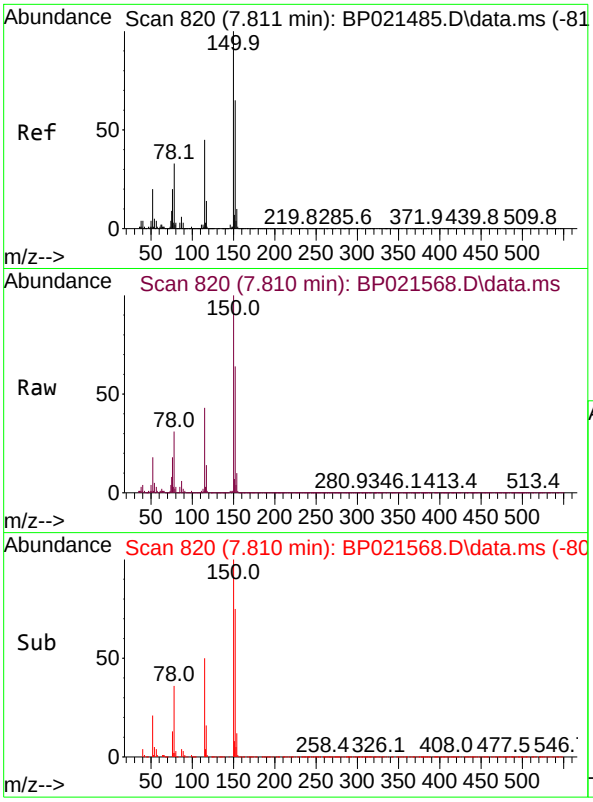
Quant Time: Aug 20 12:11:11 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

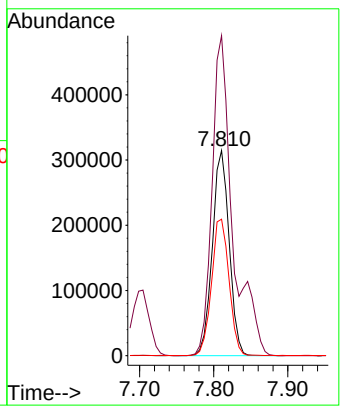




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.001 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

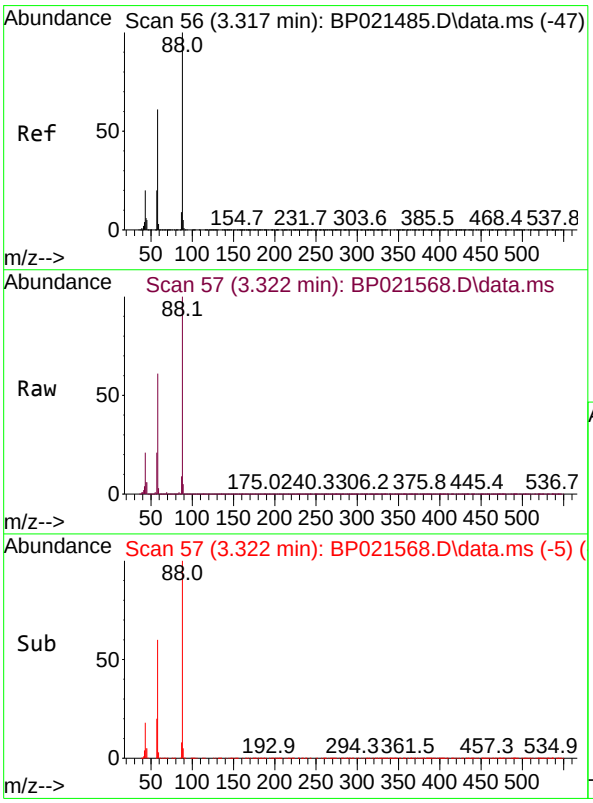
Tgt Ion:152 Resp: 49465

Ion	Ratio	Lower	Upper
152	100		
150	155.9	122.4	183.6
115	66.5	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
PB162822BS

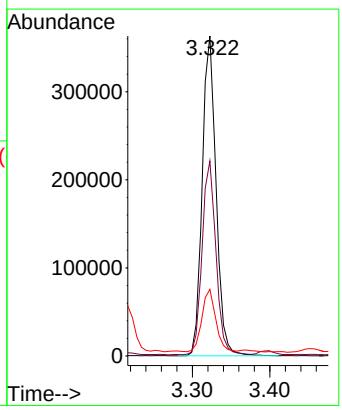
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

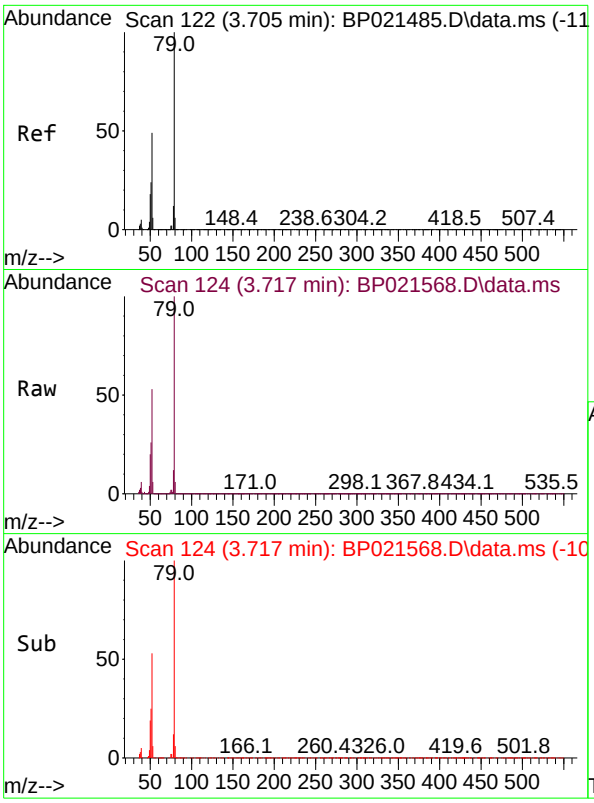


#2
1,4-Dioxane
Concen: 28.508 ng
RT: 3.322 min Scan# 57
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 88 Resp: 450308

Ion	Ratio	Lower	Upper
88	100		
58	60.3	48.7	73.1
43	19.4	15.4	23.2

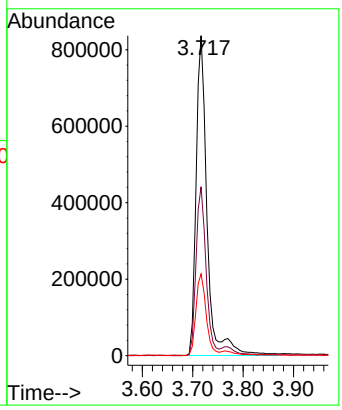




#3
Pyridine
Concen: 28.698 ng m
RT: 3.717 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 79 Resp: 126544

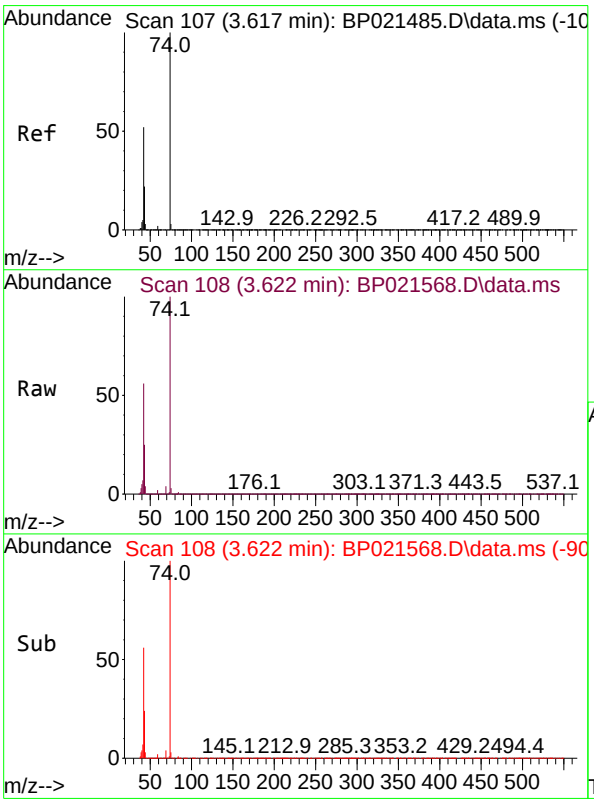
Ion	Ratio	Lower	Upper
79	100		
52	52.8	39.0	58.6
51	25.6	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
APPROVED

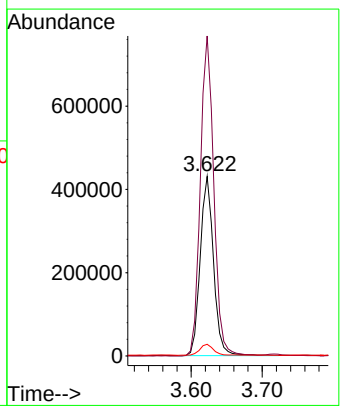
Reviewed By :Yogesh Patel 08/21/2024
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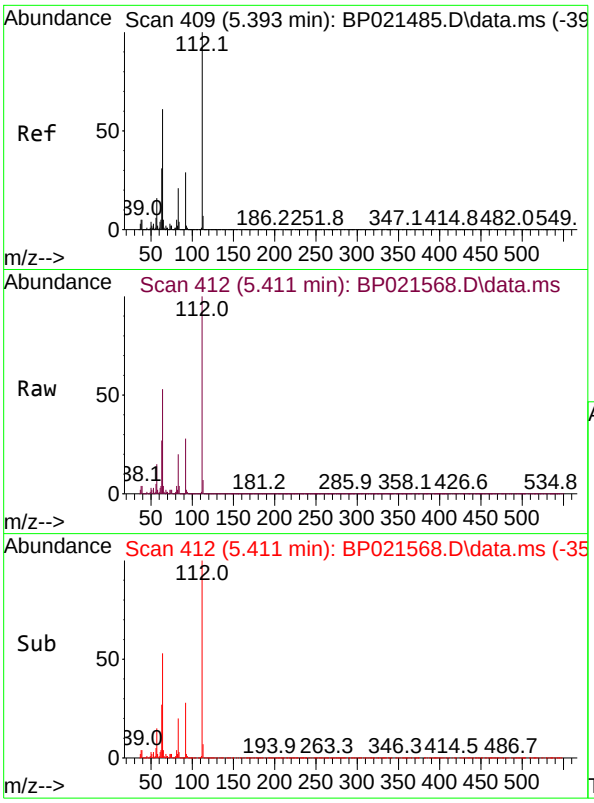


#4
n-Nitrosodimethylamine
Concen: 42.420 ng
RT: 3.622 min Scan# 108
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 42 Resp: 562224

Ion	Ratio	Lower	Upper
42	100		
74	178.2	154.3	231.5
44	6.6	6.2	9.4





#5
2-Fluorophenol
Concen: 139.062 ng
RT: 5.411 min Scan# 4
Delta R.T. 0.018 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

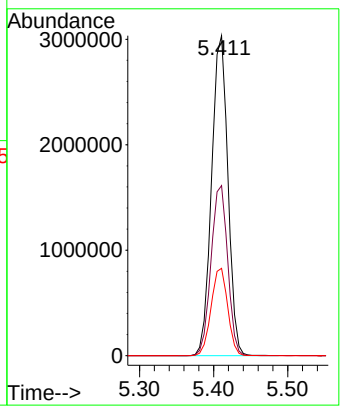
Tgt Ion:112 Resp: 463254

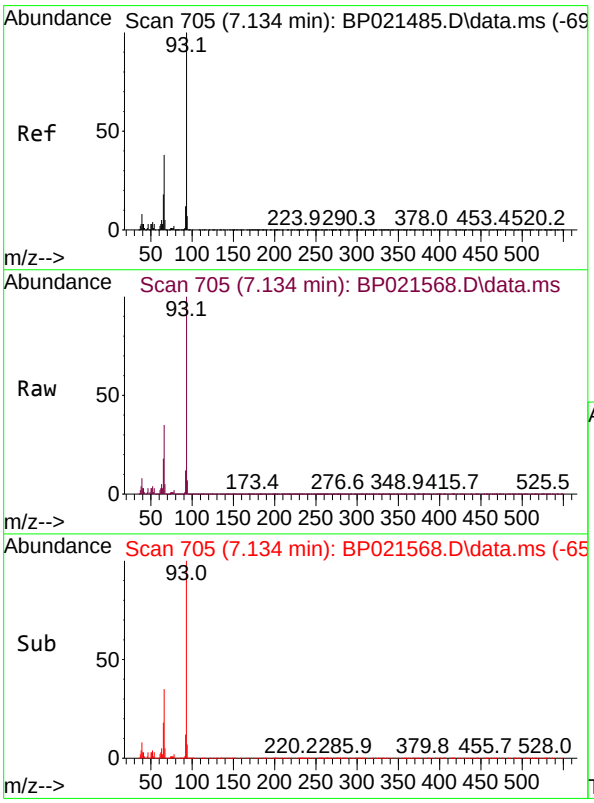
Ion	Ratio	Lower	Upper
112	100		
64	53.1	49.0	73.6
63	27.3	24.6	36.8

Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

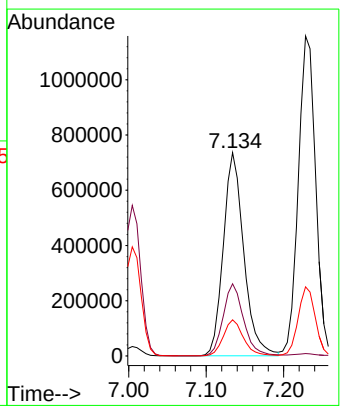


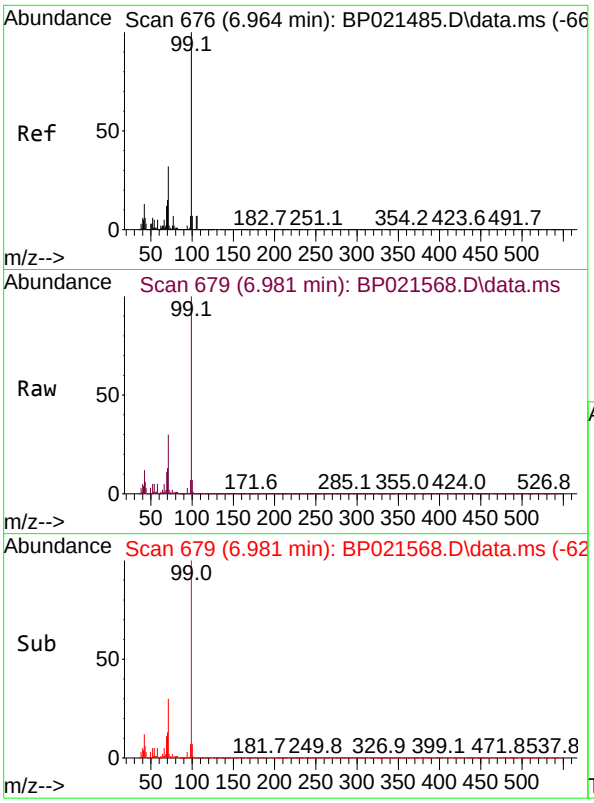


#6
Aniline
Concen: 27.851 ng
RT: 7.134 min Scan# 705
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 93 Resp: 1353041

Ion	Ratio	Lower	Upper
93	100		
66	35.5	30.2	45.2
65	17.8	14.7	22.1

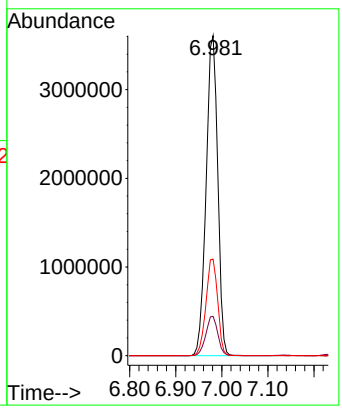




#7
Phenol-d6
Concen: 130.771 ng
RT: 6.981 min Scan# 6
Delta R.T. 0.018 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 99 Resp: 635494

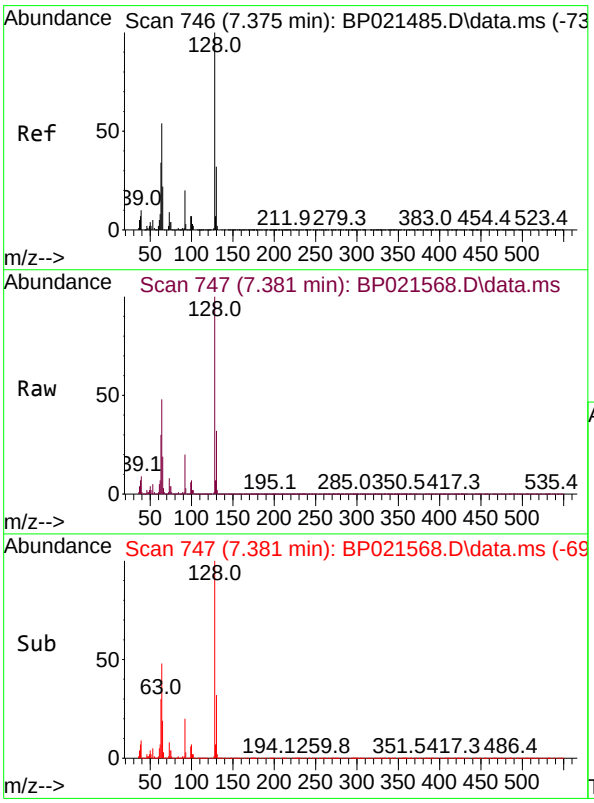
Ion	Ratio	Lower	Upper
99	100		
42	12.3	10.2	15.4
71	30.2	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations APPROVED

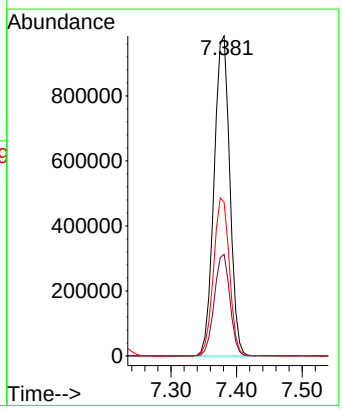
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

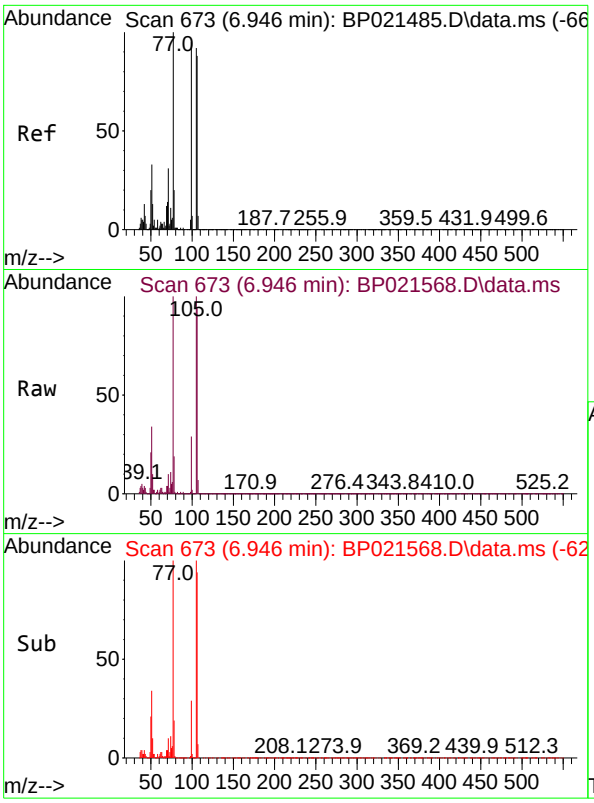


#8
2-Chlorophenol
Concen: 53.119 ng
RT: 7.381 min Scan# 747
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:128 Resp: 1635284

Ion	Ratio	Lower	Upper
128	100		
130	31.7	11.6	51.6
64	48.0	35.3	75.3

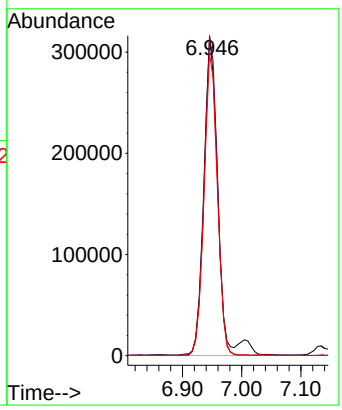




#9
Benzaldehyde
Concen: 16.825 ng m
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 77 Resp: 52349

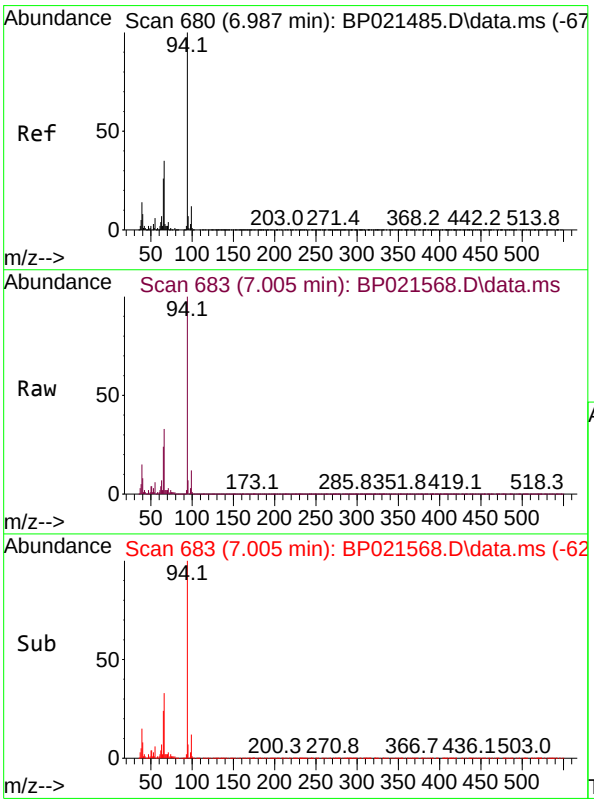
Ion	Ratio	Lower	Upper
77	100		
105	99.7	72.1	112.1
106	94.2	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations APPROVED

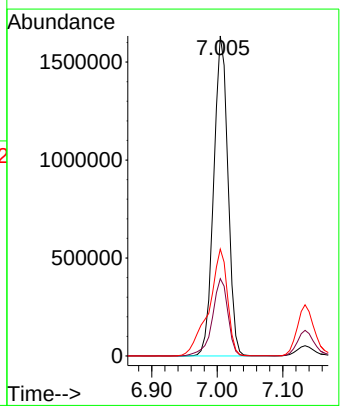
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

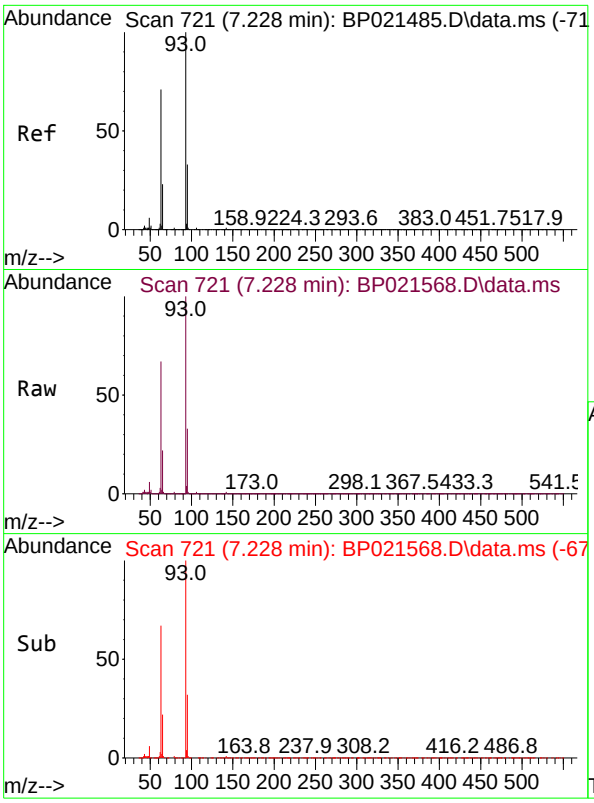


#10
Phenol
Concen: 48.824 ng
RT: 7.005 min Scan# 683
Delta R.T. 0.018 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 94 Resp: 2456949

Ion	Ratio	Lower	Upper
94	100		
65	24.2	6.5	46.5
66	33.4	14.7	54.7

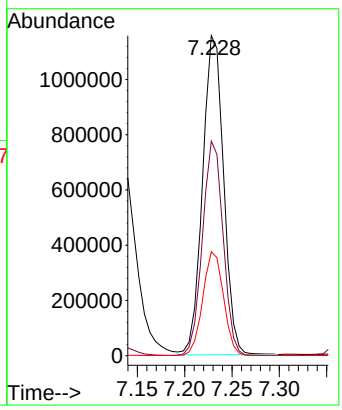




#11
bis(2-Chloroethyl)ether
Concen: 41.972 ng
RT: 7.228 min Scan# 7
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 93 Resp: 178722

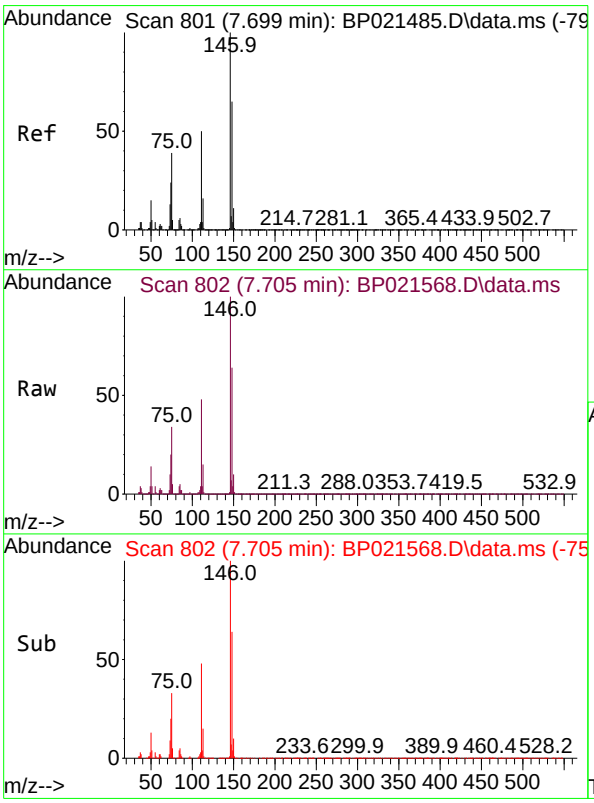
Ion	Ratio	Lower	Upper
93	100		
63	67.0	51.0	91.0
95	32.5	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations APPROVED

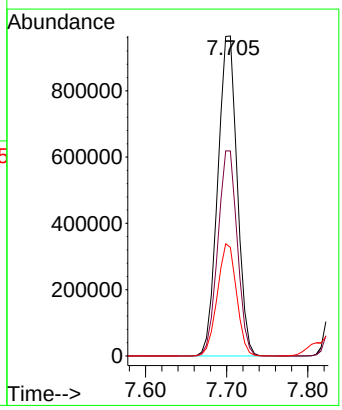
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

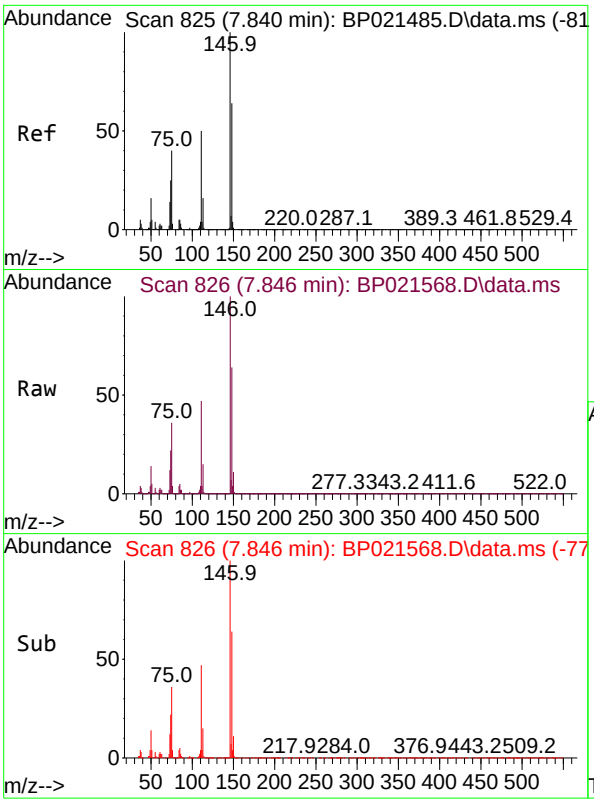


#12
1,3-Dichlorobenzene
Concen: 43.844 ng
RT: 7.705 min Scan# 802
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:146 Resp: 1603283

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.8	77.6
75	33.9	31.3	46.9

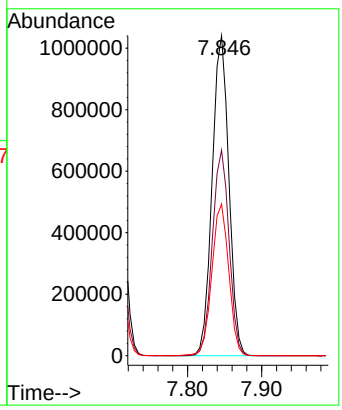




#13
1,4-Dichlorobenzene
Concen: 44.056 ng
RT: 7.846 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:146 Resp: 162675

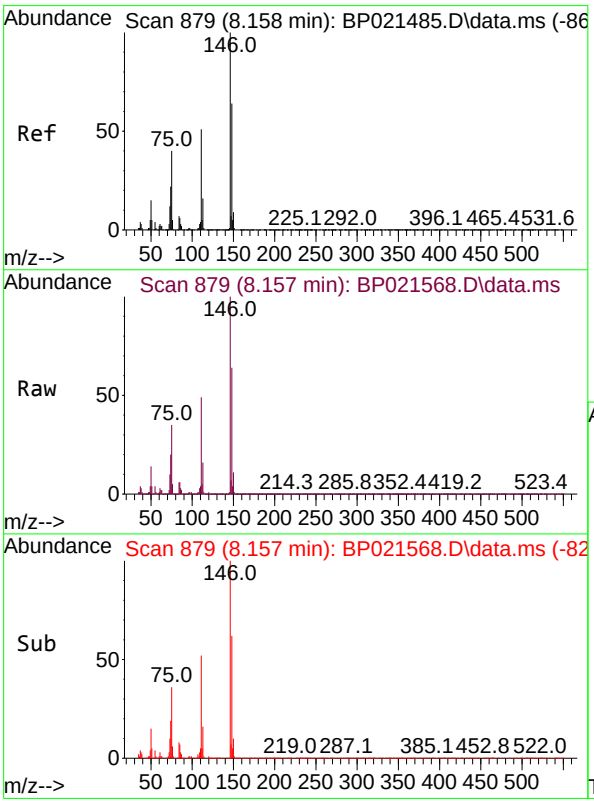
Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.5	77.3
111	47.4	40.3	60.5



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
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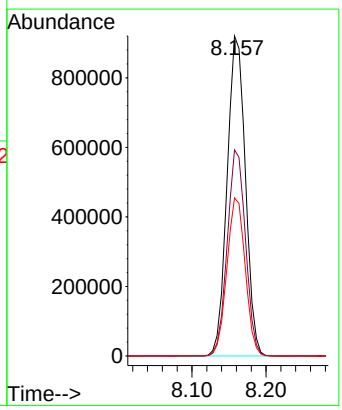
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

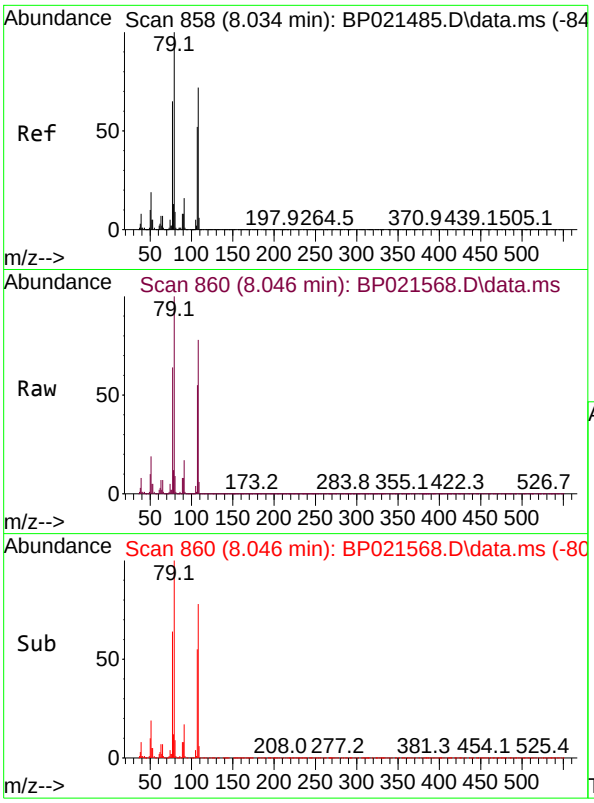


#14
1,2-Dichlorobenzene
Concen: 44.308 ng
RT: 8.157 min Scan# 879
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:146 Resp: 1576656

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	49.4	41.1	61.7





#15
Benzyl Alcohol
Concen: 47.766 ng
RT: 8.046 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

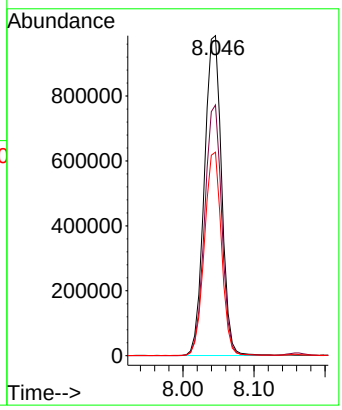
Tgt Ion: 79 Resp: 166549

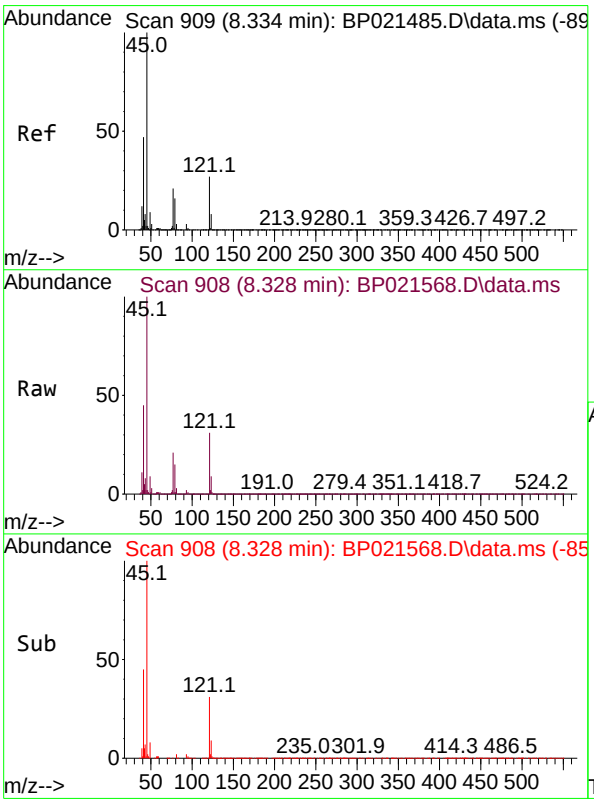
Ion	Ratio	Lower	Upper
79	100		
108	78.3	57.9	86.9
77	63.6	51.8	77.8

Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

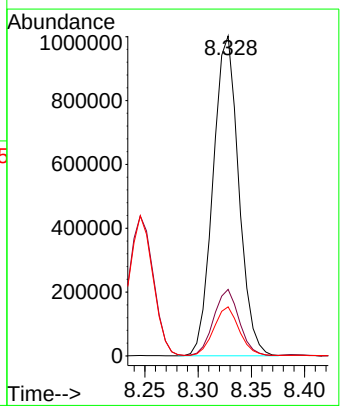


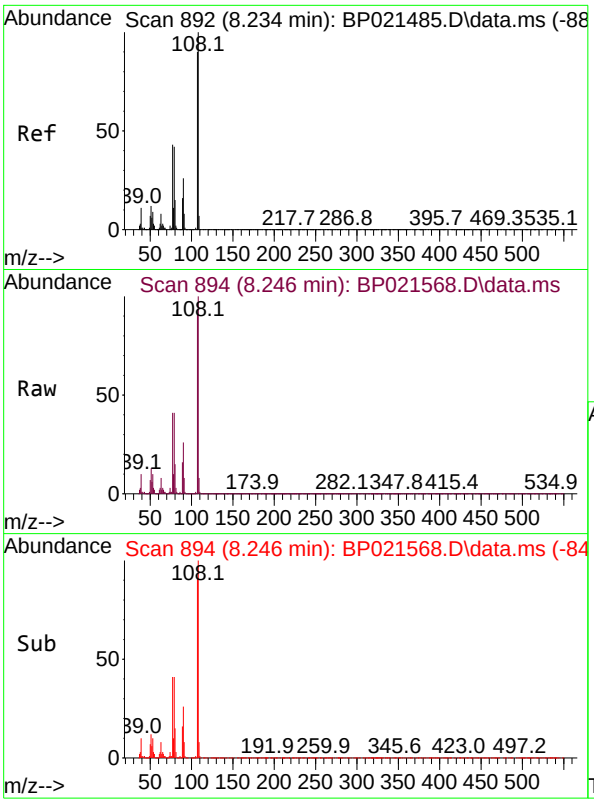


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.828 ng
RT: 8.328 min Scan# 908
Delta R.T. -0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 45 Resp: 1679419

Ion	Ratio	Lower	Upper
45	100		
77	20.8	1.9	41.9
79	15.3	0.0	36.6

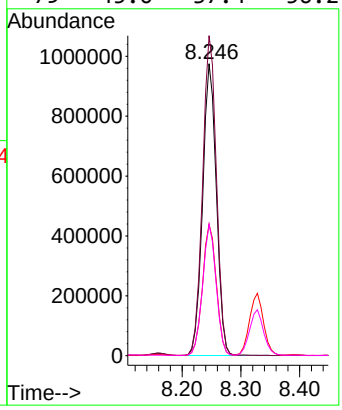




#17
2-Methylphenol
Concen: 49.719 ng
RT: 8.246 min Scan# 8
Delta R.T. 0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

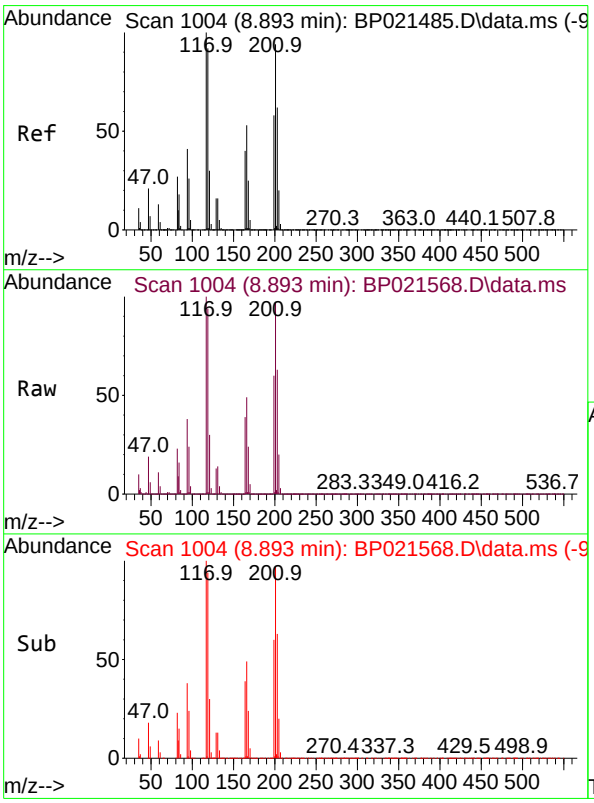
Tgt Ion:107 Resp: 158170

Ion	Ratio	Lower	Upper
107	100		
108	109.6	88.8	133.2
77	45.0	38.7	58.1
79	45.0	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
PB162822BS

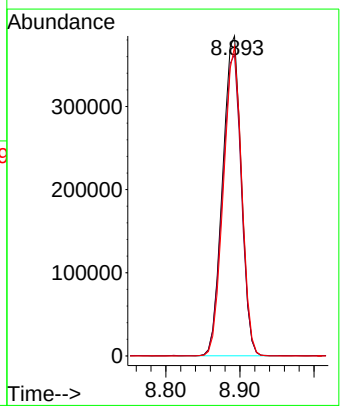
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

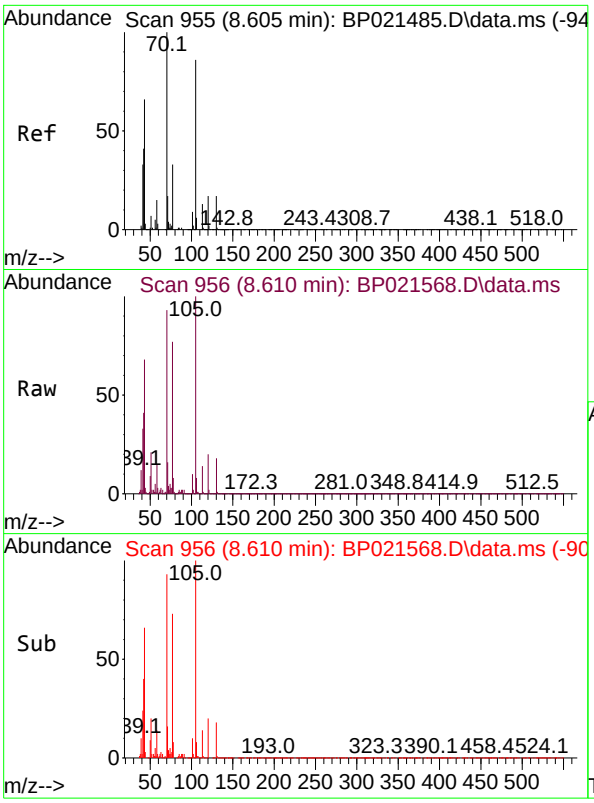


#18
Hexachloroethane
Concen: 45.372 ng
RT: 8.893 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:117 Resp: 671831

Ion	Ratio	Lower	Upper
117	100		
119	94.2	73.9	110.9
201	96.6	74.9	112.3

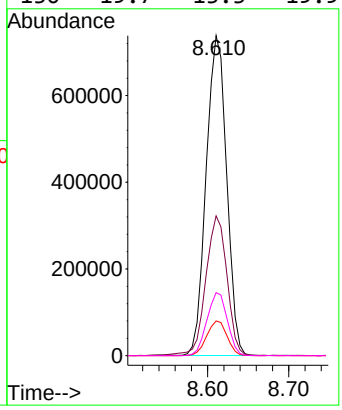




#19
n-Nitroso-di-n-propylamine
Concen: 38.475 ng
RT: 8.610 min Scan# 9
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 70 Resp: 129156

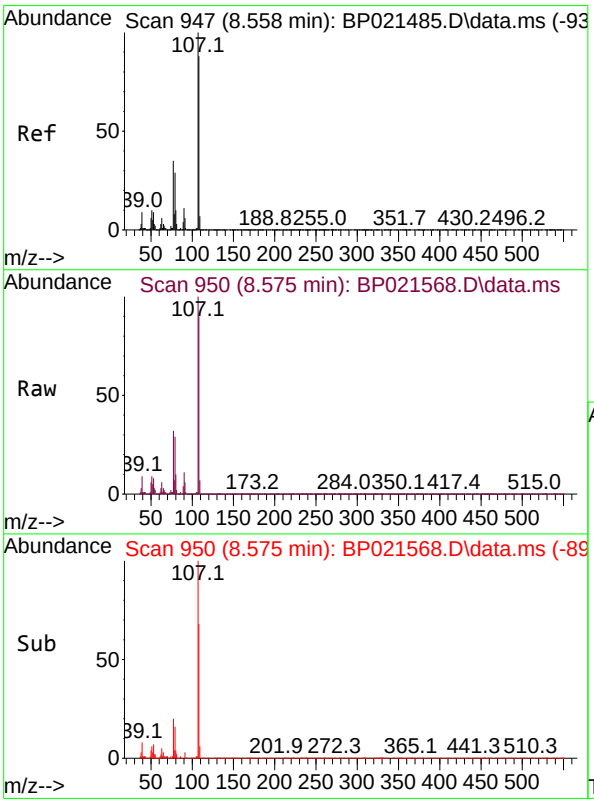
Ion	Ratio	Lower	Upper
70	100		
42	43.7	33.1	49.7
101	10.9	7.4	11.2
130	19.7	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
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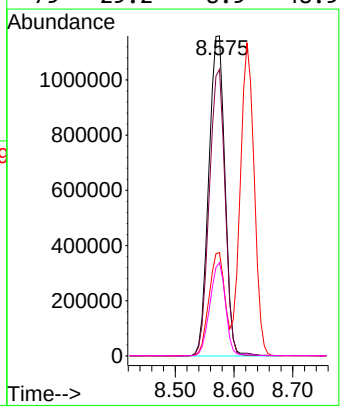
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

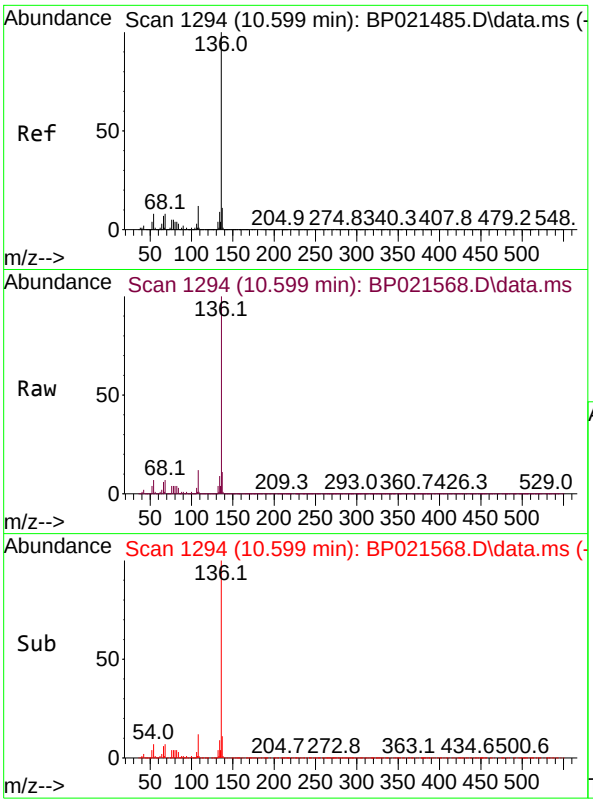


#20
3+4-Methylphenols
Concen: 51.486 ng
RT: 8.575 min Scan# 950
Delta R.T. 0.018 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:107 Resp: 2208573

Ion	Ratio	Lower	Upper
107	100		
108	89.5	67.6	107.6
77	32.3	15.0	55.0
79	29.2	8.9	48.9

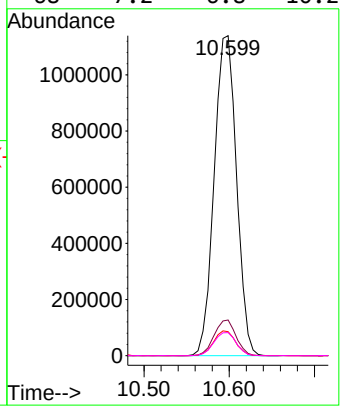




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:136 Resp: 207317

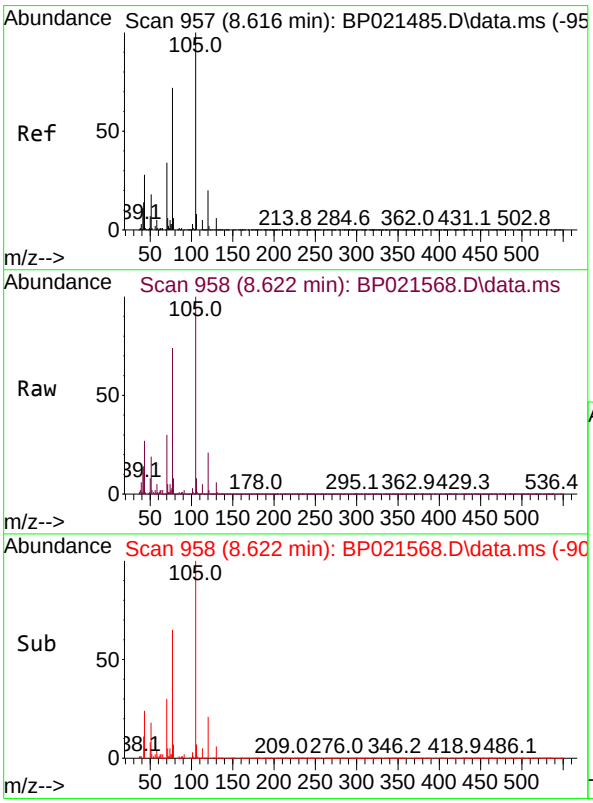
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.5	6.3	9.5
68	7.2	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
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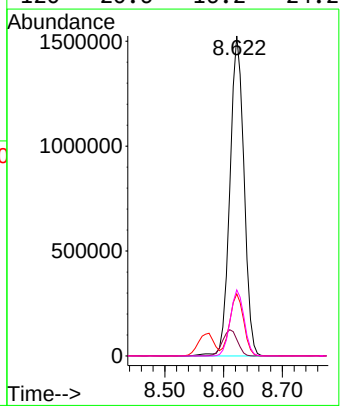
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

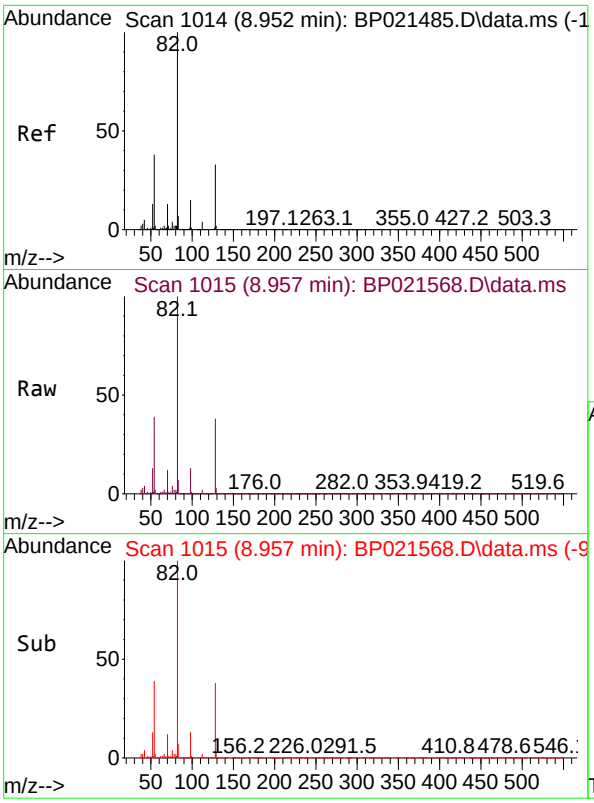


#22
Acetophenone
Concen: 39.810 ng
RT: 8.622 min Scan# 958
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:105 Resp: 2535541

Ion	Ratio	Lower	Upper
105	100		
71	5.2	4.6	7.0
51	19.4	16.3	24.5
120	20.6	16.2	24.2

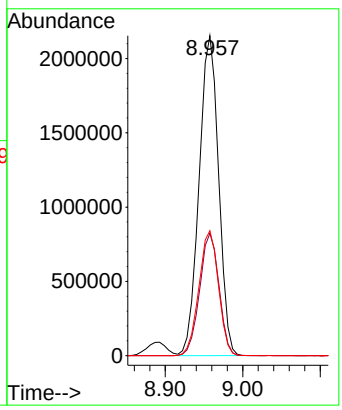




#23
Nitrobenzene-d5
Concen: 93.712 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 82 Resp: 376403

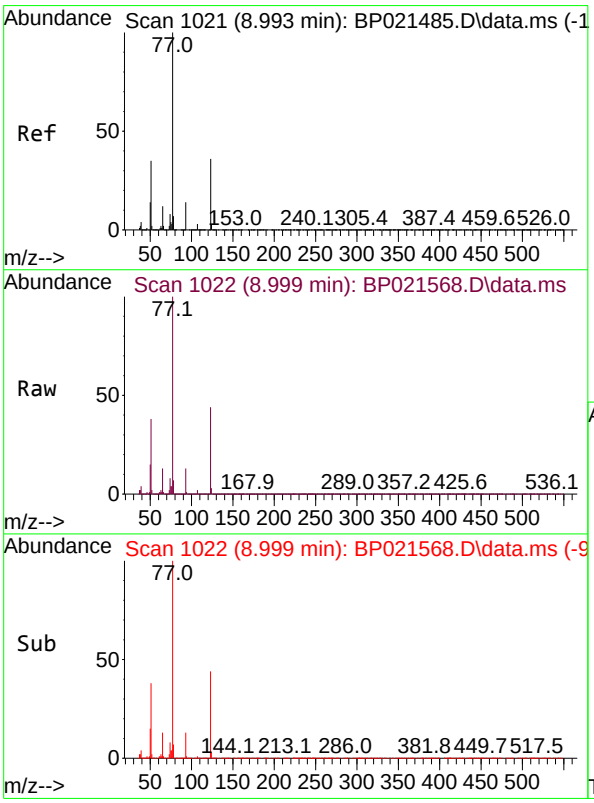
Ion	Ratio	Lower	Upper
82	100		
128	38.2	26.5	39.7
54	39.0	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
APPROVED

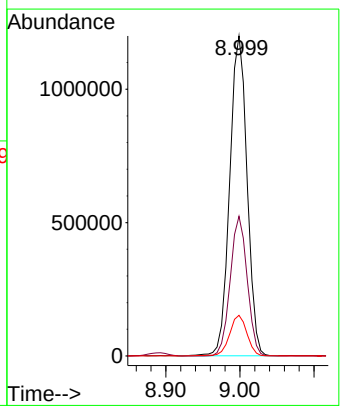
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

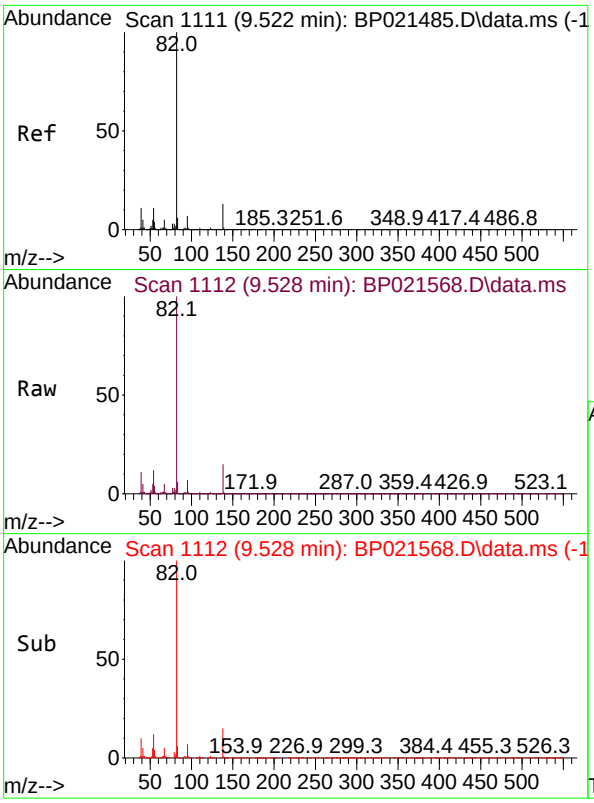


#24
Nitrobenzene
Concen: 44.668 ng
RT: 8.999 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 77 Resp: 1948611

Ion	Ratio	Lower	Upper
77	100		
123	43.7	29.5	44.3
65	12.7	9.9	14.9

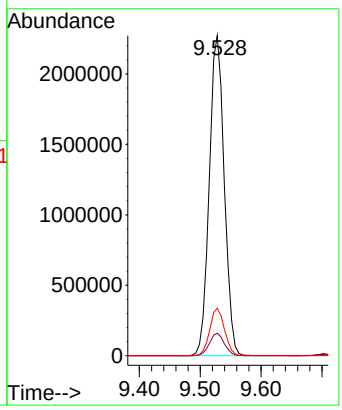




#25
Isophorone
Concen: 40.856 ng
RT: 9.528 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 82 Resp: 387678

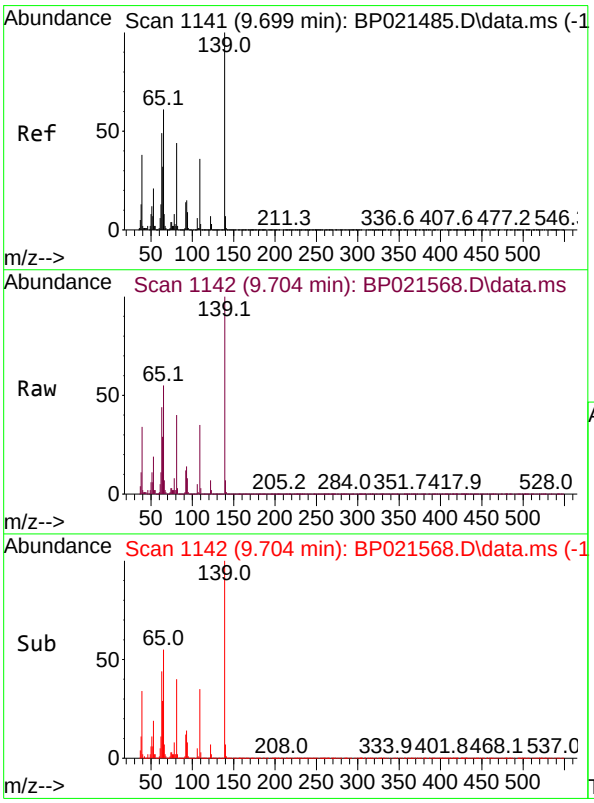
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.4	8.2
138	14.8	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations APPROVED

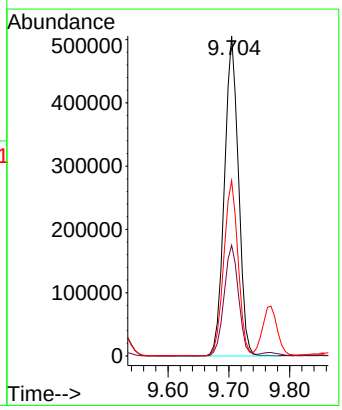
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

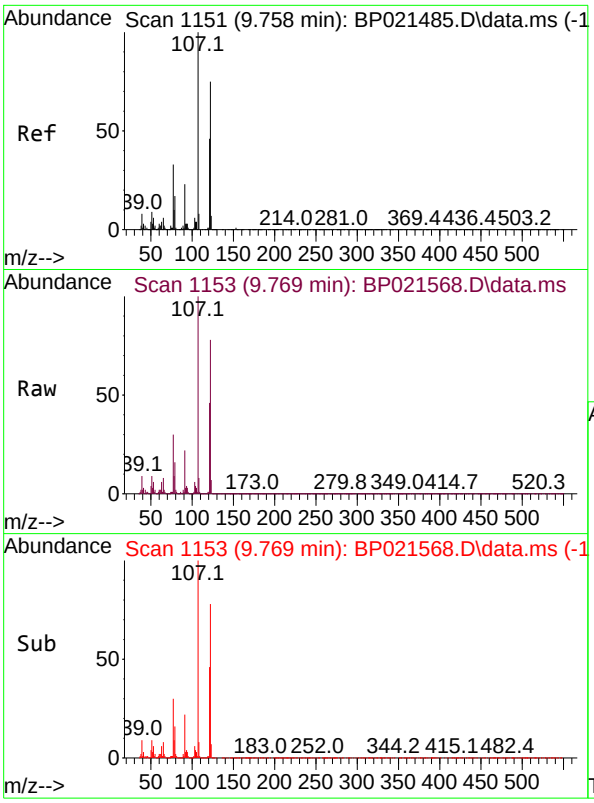


#26
2-Nitrophenol
Concen: 63.198 ng
RT: 9.704 min Scan# 1142
Delta R.T. 0.005 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:139 Resp: 810333

Ion	Ratio	Lower	Upper
139	100		
109	34.6	28.9	43.3
65	54.7	49.0	73.6

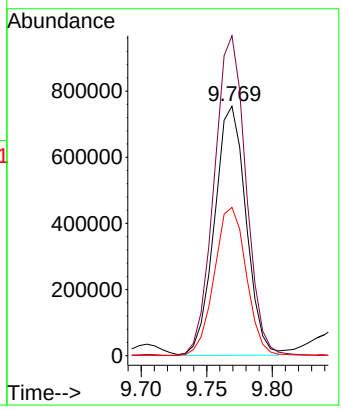




#27
2,4-Dimethylphenol
Concen: 53.822 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

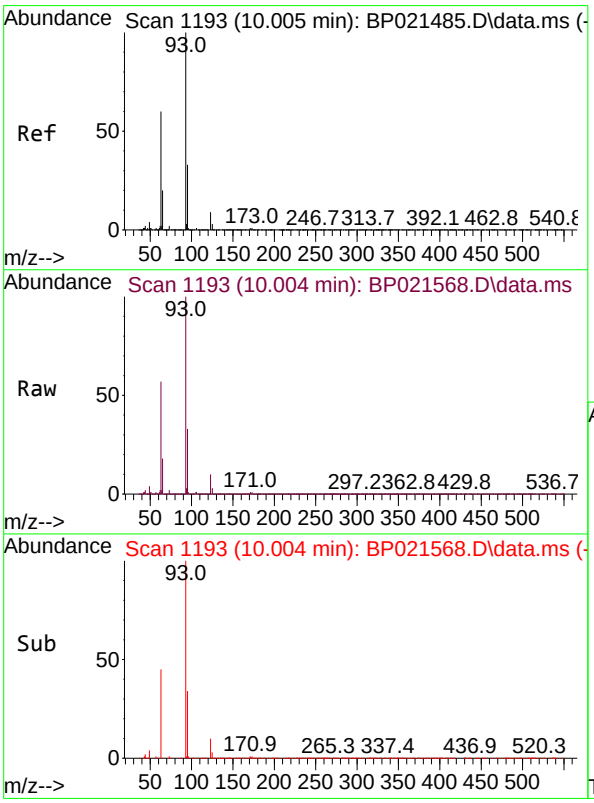
Tgt Ion:122 Resp: 126039

Ion	Ratio	Lower	Upper
122	100		
107	128.3	106.2	159.4
121	59.5	48.8	73.2



Instrument :
BNA_P
ClientSampleId :
PB162822BS

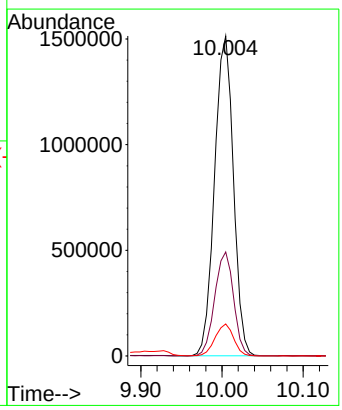
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

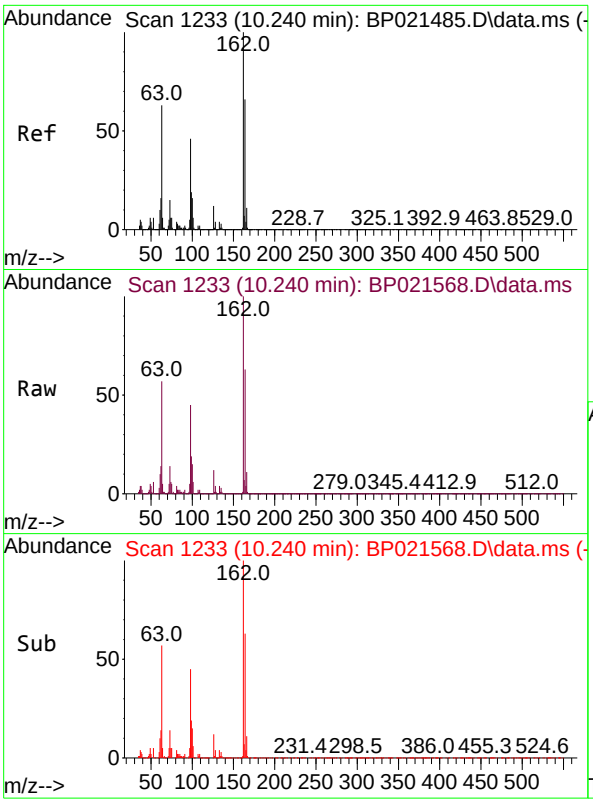


#28
bis(2-Chloroethoxy)methane
Concen: 42.148 ng
RT: 10.004 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 93 Resp: 2441309

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.2	39.4
123	10.0	7.6	11.4

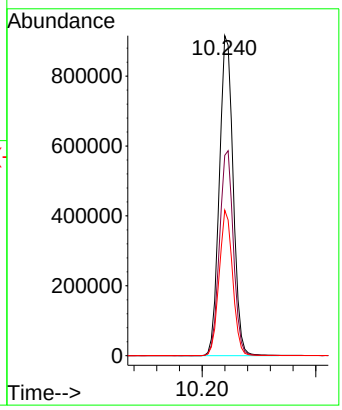




#29
2,4-Dichlorophenol
Concen: 56.031 ng
RT: 10.240 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:162 Resp: 155031

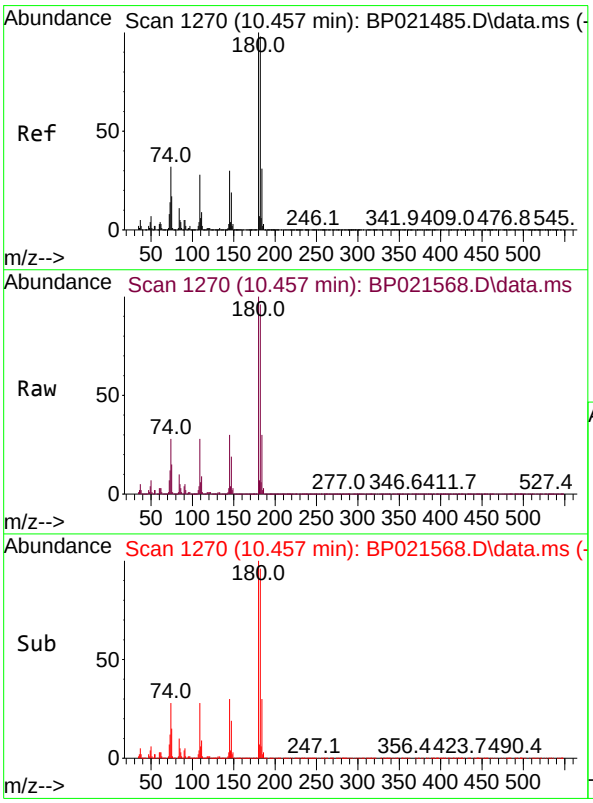
Ion	Ratio	Lower	Upper
162	100		
164	62.6	45.9	85.9
98	45.5	26.3	66.3



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
APPROVED

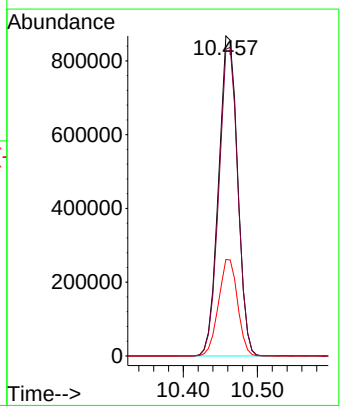
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

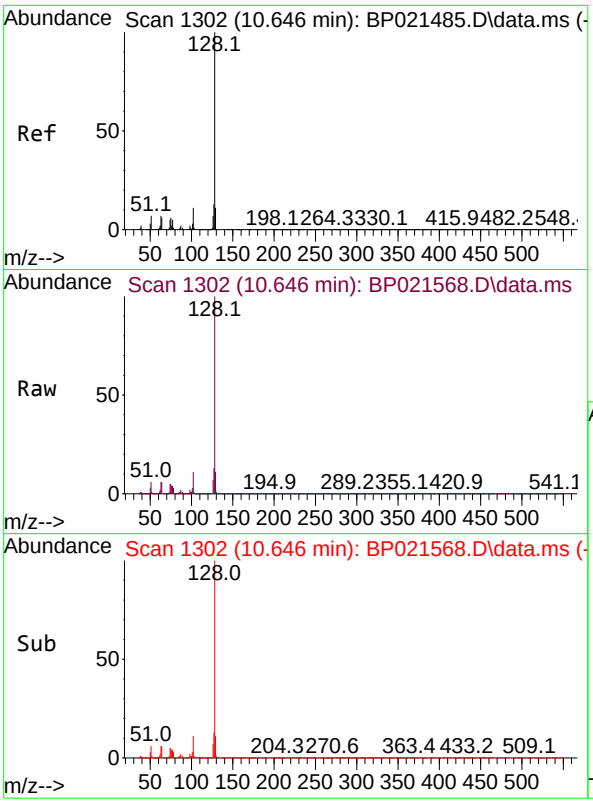


#30
1,2,4-Trichlorobenzene
Concen: 43.572 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:180 Resp: 1545646

Ion	Ratio	Lower	Upper
180	100		
182	95.8	78.3	117.5
145	30.2	24.0	36.0

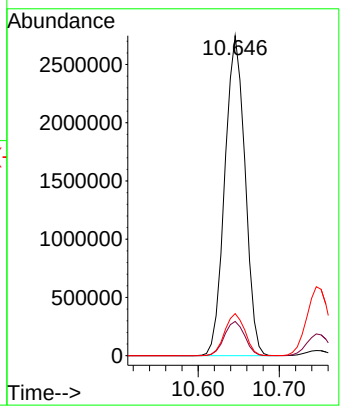




#31
Naphthalene
Concen: 43.861 ng
RT: 10.646 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:128 Resp: 475029

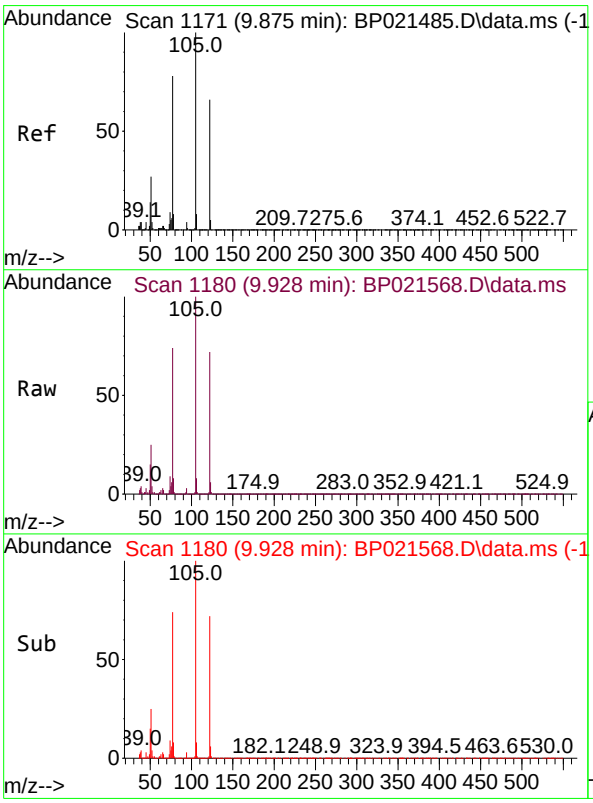
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.6	12.8
127	13.2	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
APPROVED

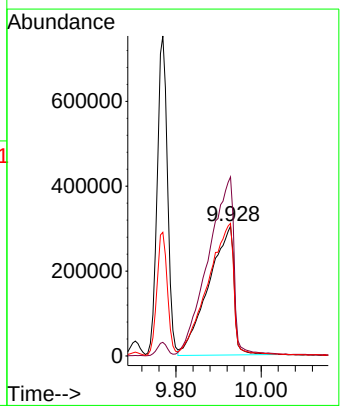
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

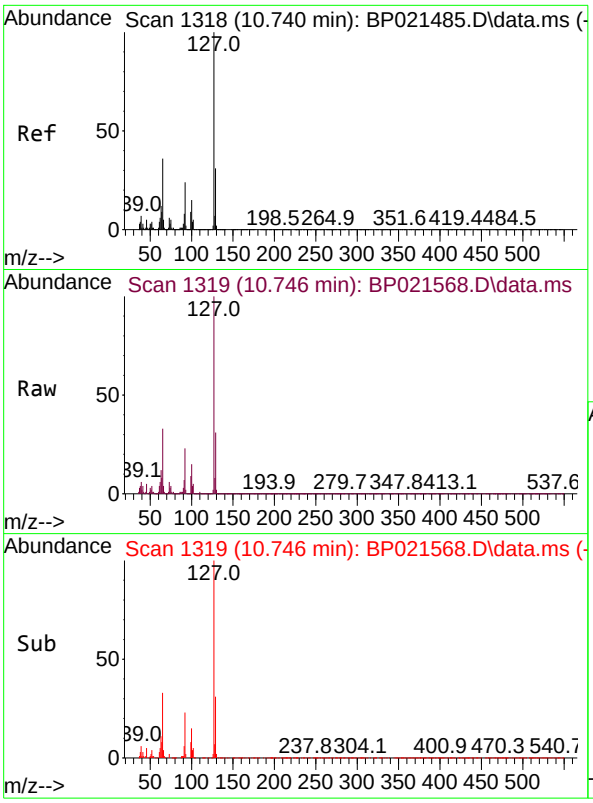


#32
Benzoic acid
Concen: 69.217 ng
RT: 9.928 min Scan# 1180
Delta R.T. 0.053 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:122 Resp: 1255905

Ion	Ratio	Lower	Upper
122	100		
105	138.0	124.6	164.6
77	102.2	96.2	136.2

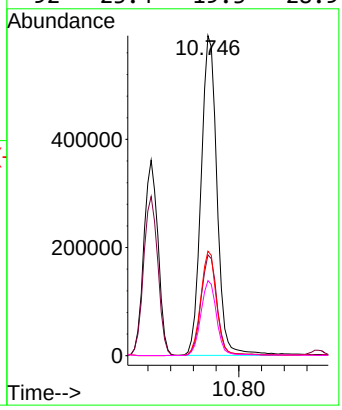




#33
4-Chloroaniline
Concen: 28.216 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

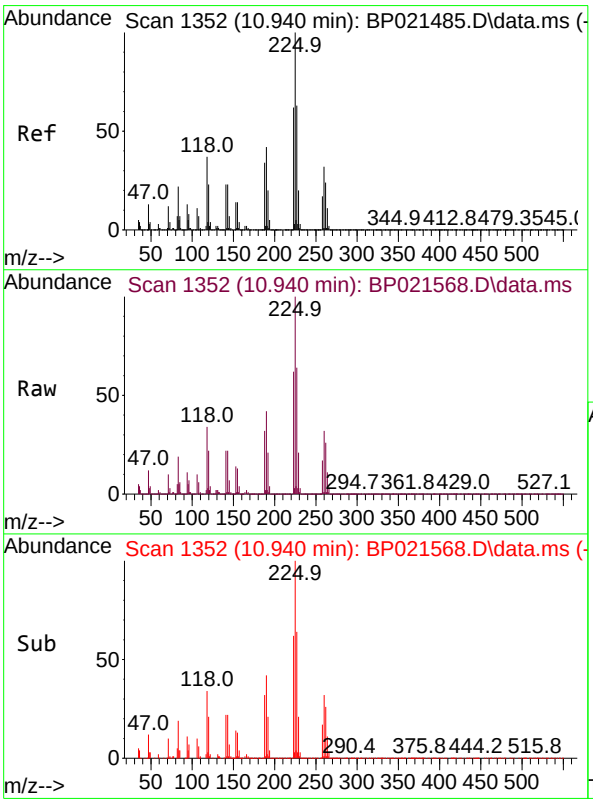
Tgt Ion:127 Resp: 114790

Ion	Ratio	Lower	Upper
127	100		
129	31.5	24.5	36.7
65	32.7	28.9	43.3
92	23.4	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
PB162822BS

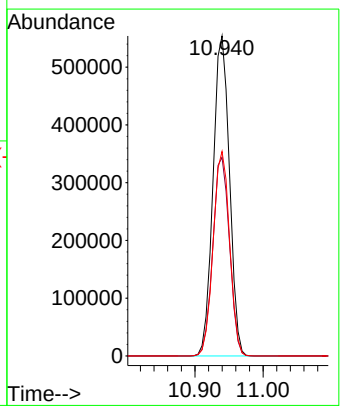
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

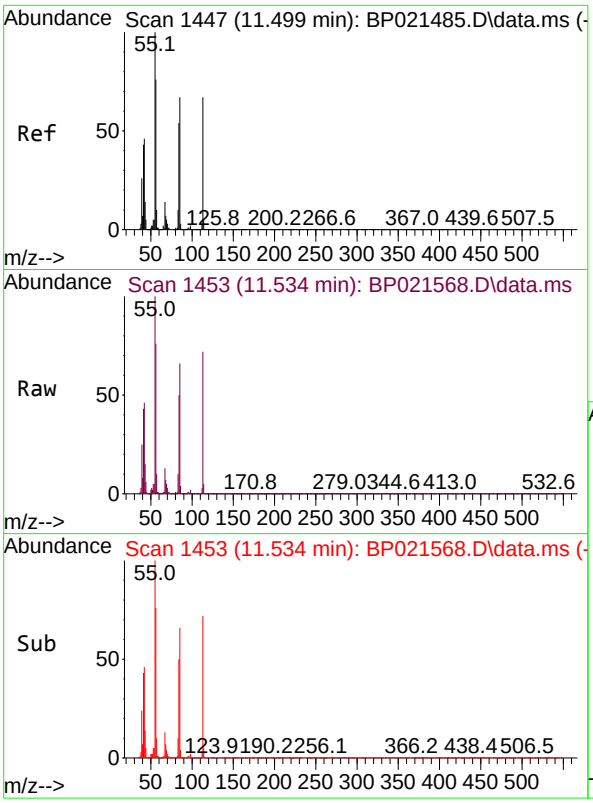


#34
Hexachlorobutadiene
Concen: 41.546 ng
RT: 10.940 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:225 Resp: 927946

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.6	74.4
227	63.9	50.1	75.1

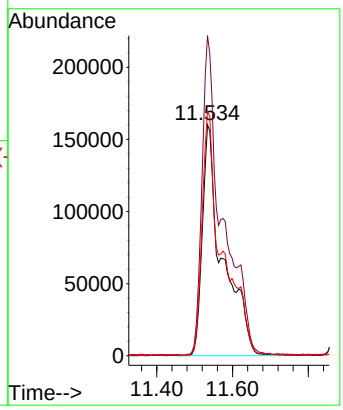




#35
Caprolactam
Concen: 51.386 ng m
RT: 11.534 min Scan# 14
Delta R.T. 0.035 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:113 Resp: 59179

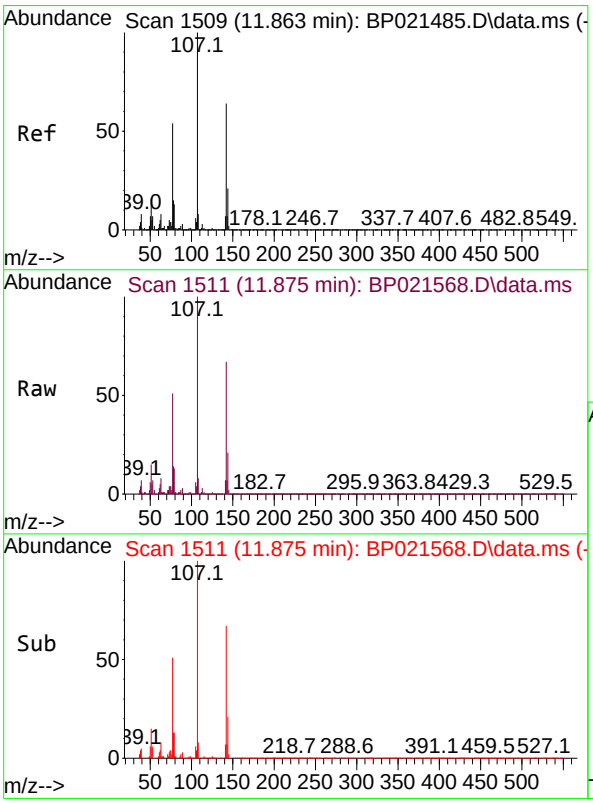
Ion	Ratio	Lower	Upper
113	100		
55	138.6	130.6	170.6
56	105.8	94.6	134.6



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
APPROVED

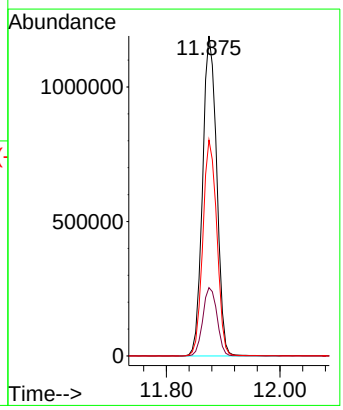
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

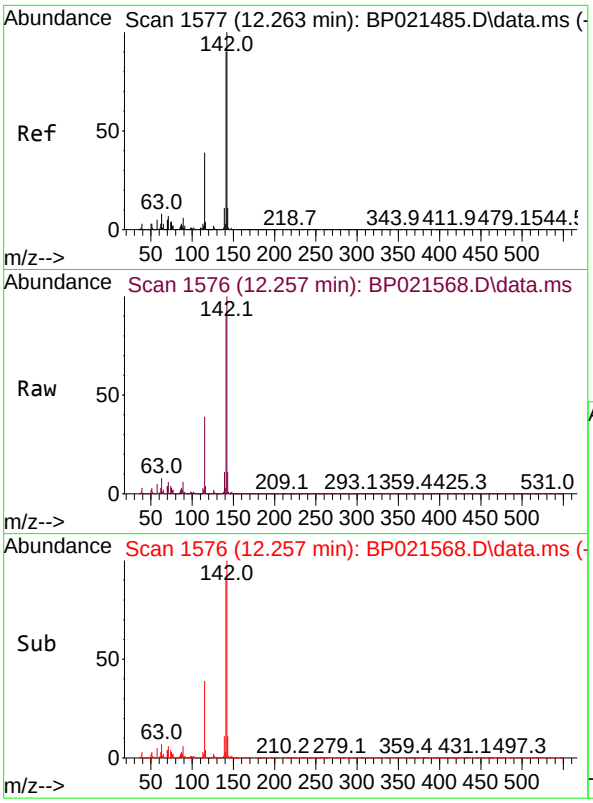


#36
4-Chloro-3-methylphenol
Concen: 53.276 ng
RT: 11.875 min Scan# 1511
Delta R.T. 0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:107 Resp: 2044802

Ion	Ratio	Lower	Upper
107	100		
144	21.4	16.6	24.8
142	67.5	51.0	76.4

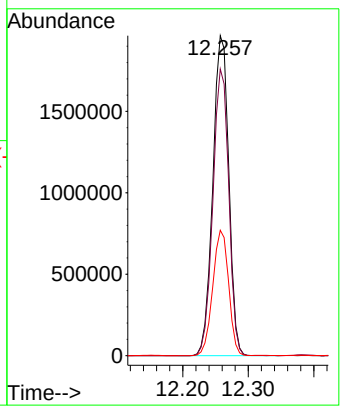




#37
2-Methylnaphthalene
Concen: 44.806 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:142 Resp: 331187

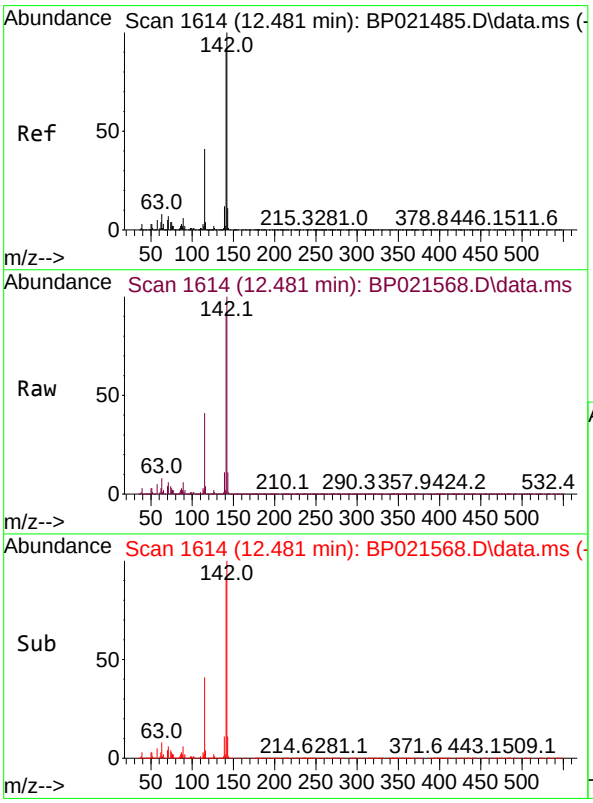
Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.7	107.5
115	39.2	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
APPROVED

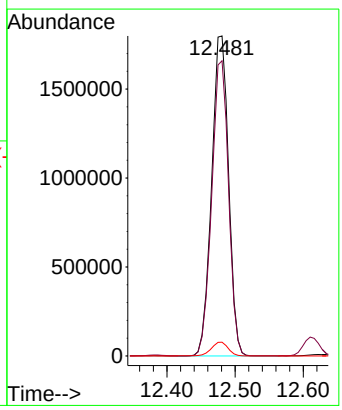
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

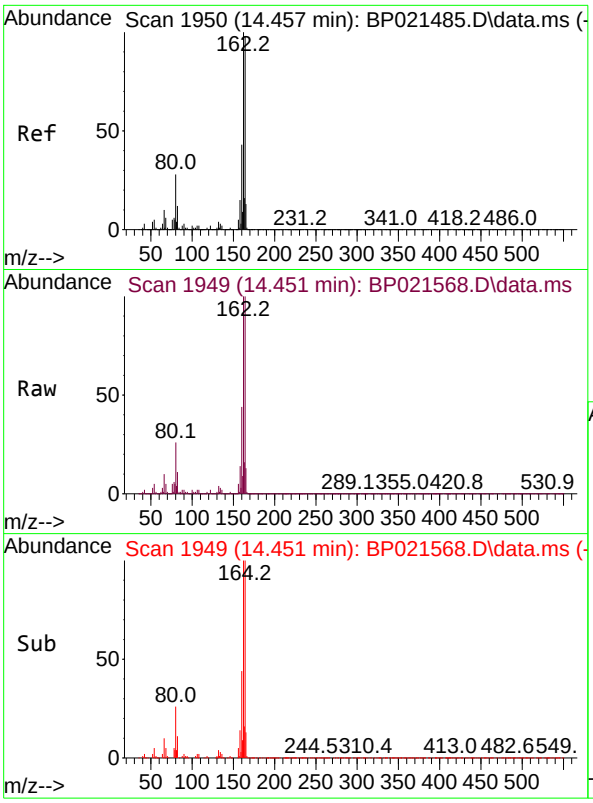


#38
1-Methylnaphthalene
Concen: 42.651 ng
RT: 12.481 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:142 Resp: 3109322

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.5	110.3
116	4.3	3.4	5.2

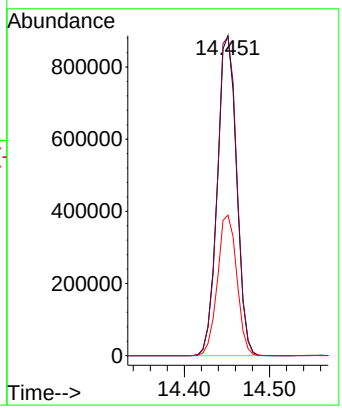




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:164 Resp: 138937

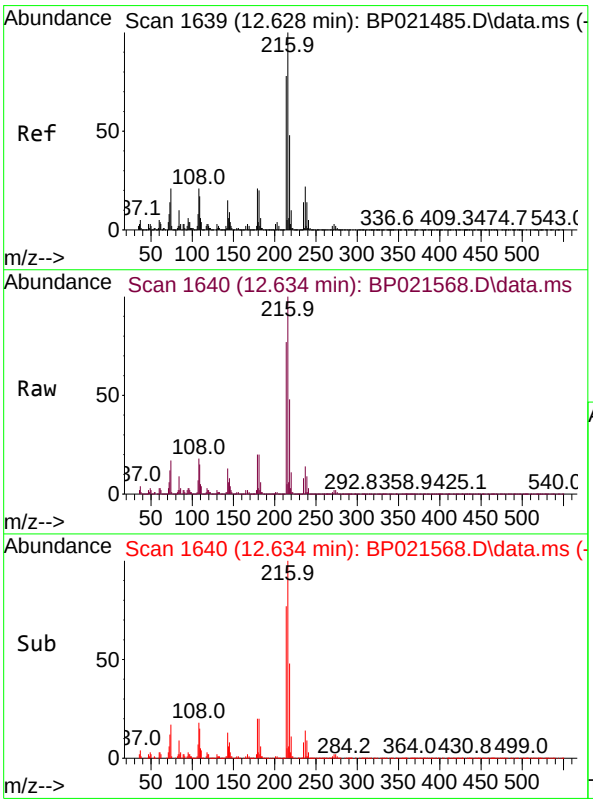
Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.5	122.3
160	43.9	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
APPROVED

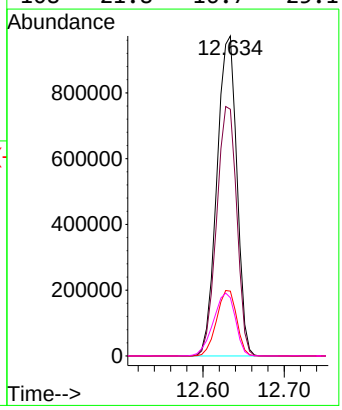
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

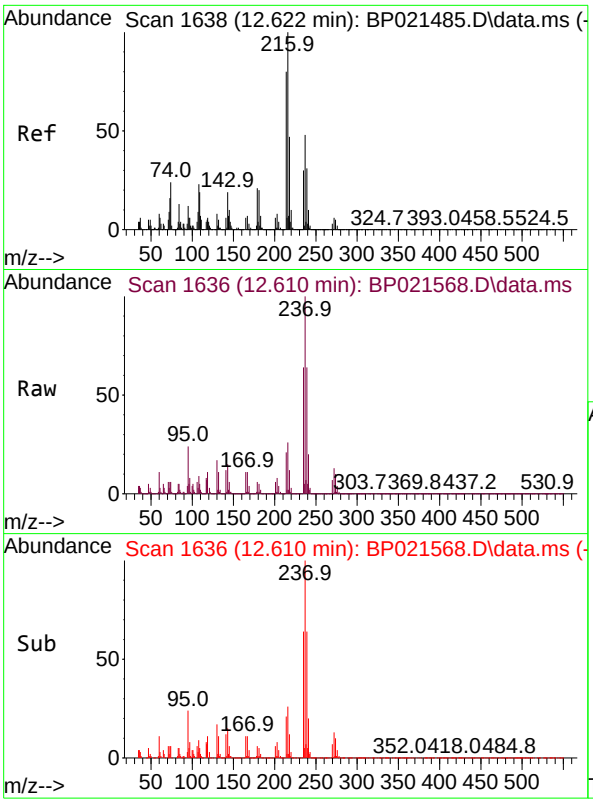


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.778 ng
RT: 12.634 min Scan# 1640
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:216 Resp: 1660023

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.5	93.7
179	20.6	16.4	24.6
108	21.8	16.7	25.1

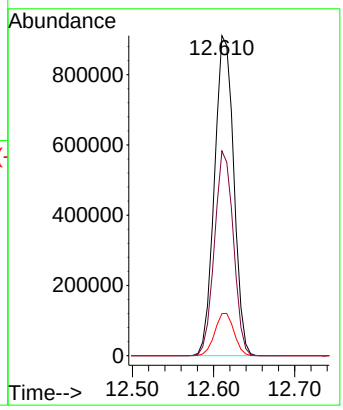




#41
Hexachlorocyclopentadiene
Concen: 116.470 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:237 Resp: 150272

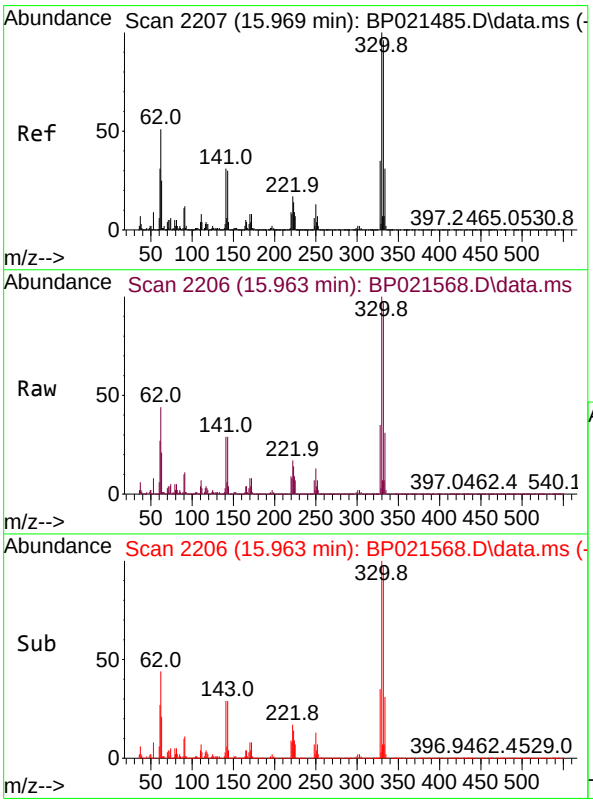
Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.9	83.9
272	13.2	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
PB162822BS

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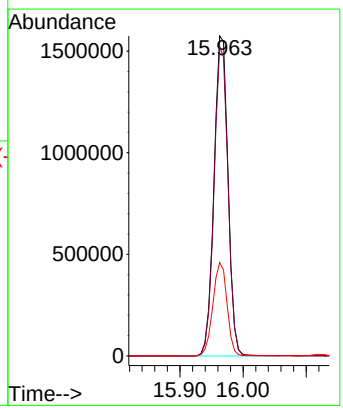
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

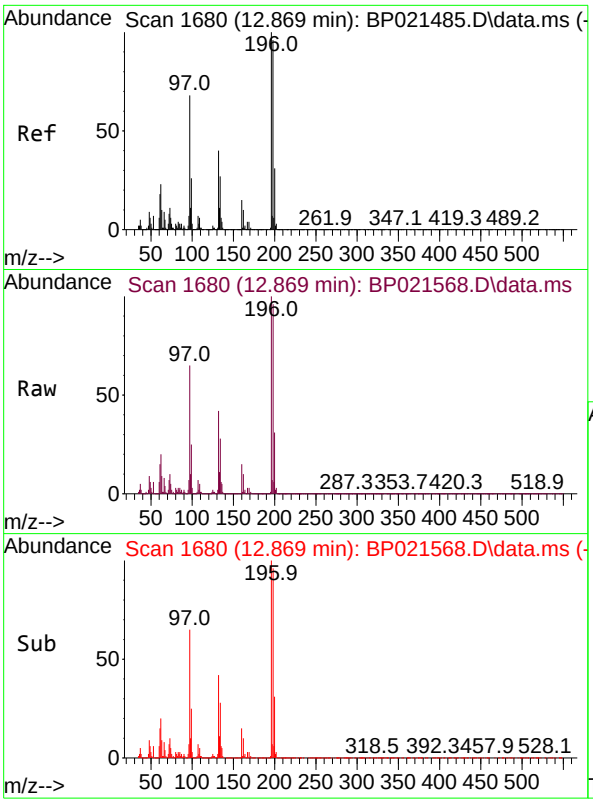


#42
2,4,6-Tribromophenol
Concen: 157.161 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:330 Resp: 2430215

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.4	116.0
141	29.4	24.5	36.7

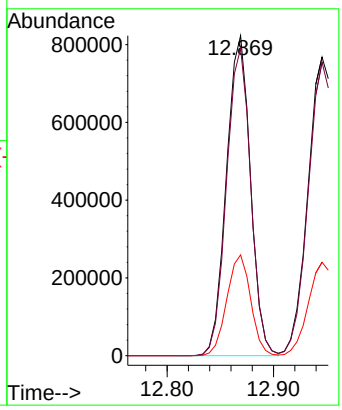




#43
2,4,6-Trichlorophenol
Concen: 57.099 ng
RT: 12.869 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

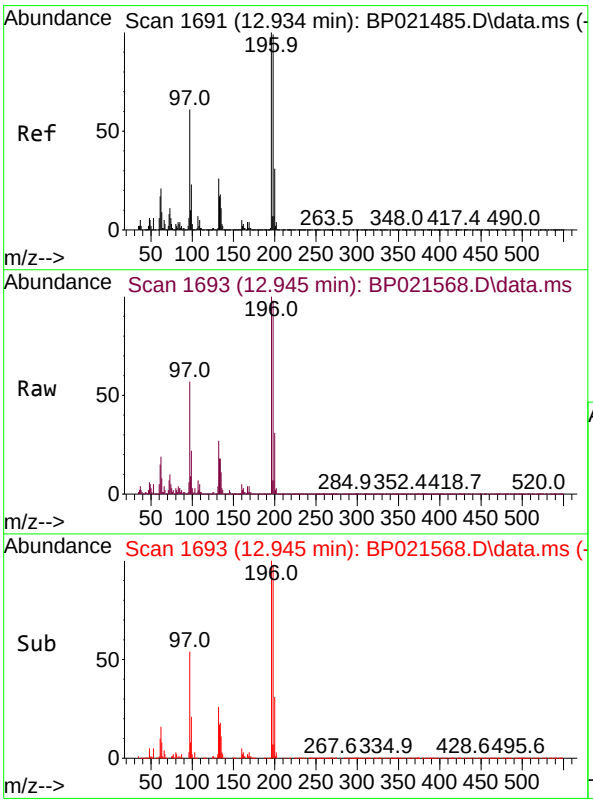
Tgt Ion:196 Resp: 129118

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.6	114.8
200	31.5	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
PB162822BS

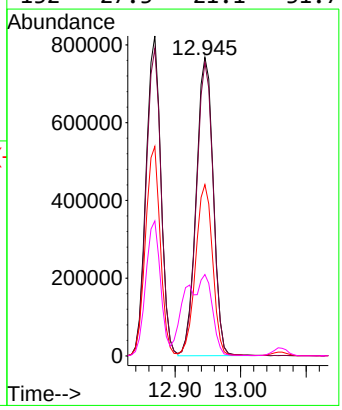
Manual Integrations
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

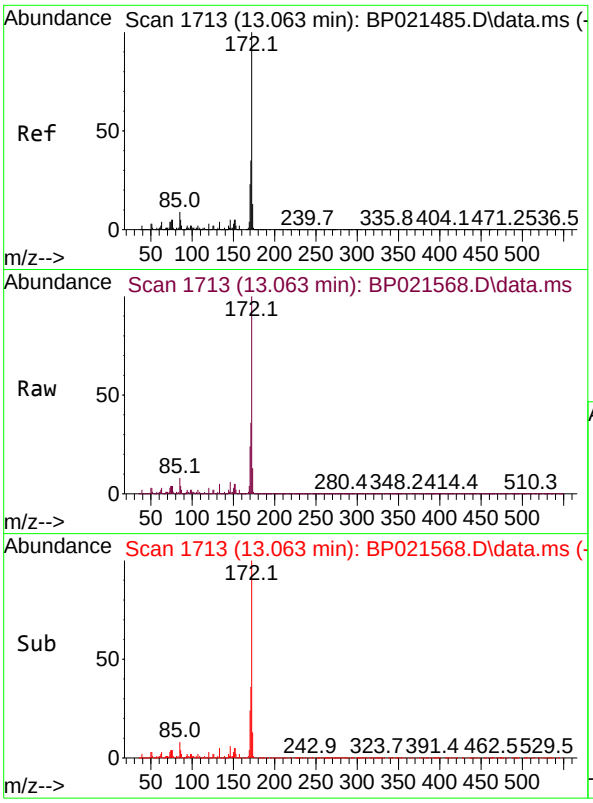


#44
2,4,5-Trichlorophenol
Concen: 55.286 ng
RT: 12.945 min Scan# 1693
Delta R.T. 0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:196 Resp: 1389021

Ion	Ratio	Lower	Upper
196	100		
198	98.3	78.9	118.3
97	57.4	49.4	74.0
132	27.3	21.1	31.7

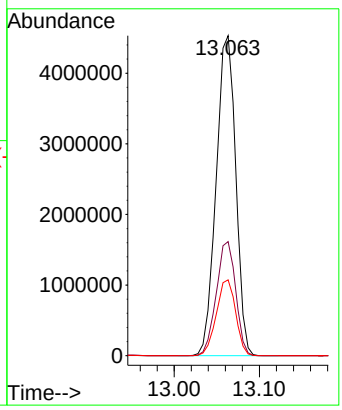




#45
2-Fluorobiphenyl
Concen: 79.575 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:172 Resp: 724430

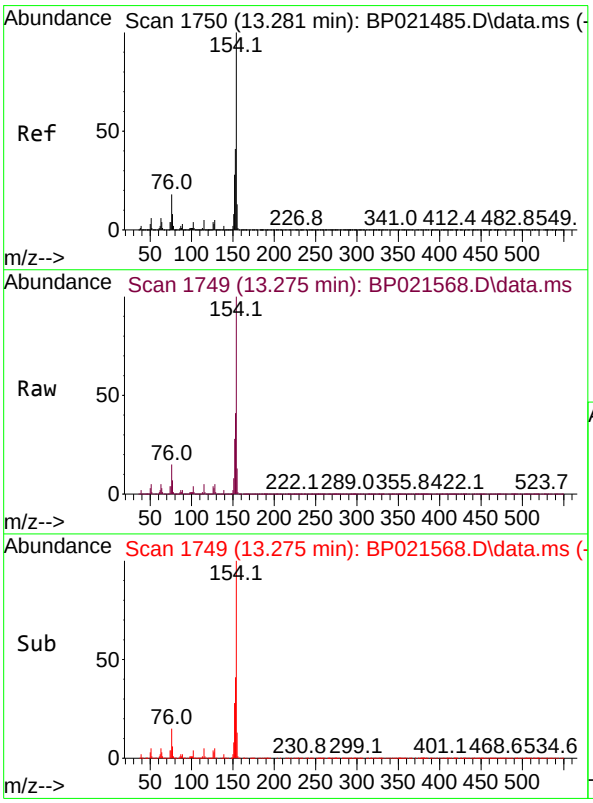
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.2	42.4
170	23.7	18.4	27.6



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
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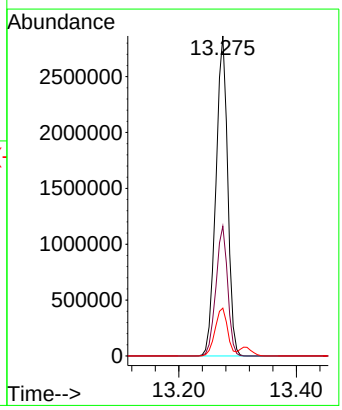
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

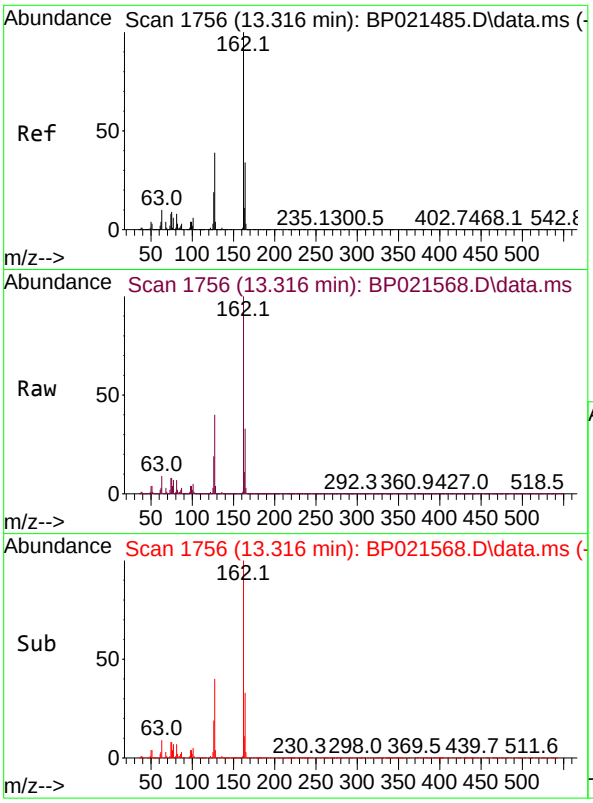


#46
1,1'-Biphenyl
Concen: 40.658 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:154 Resp: 3996688

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.7	60.7
76	15.0	0.0	37.7

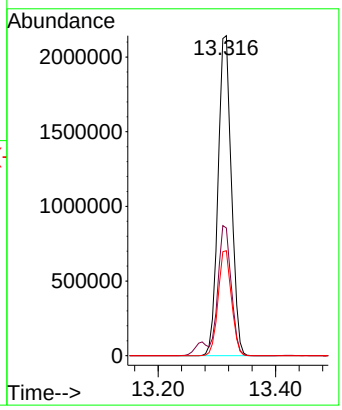




#47
2-Chloronaphthalene
Concen: 43.922 ng
RT: 13.316 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:162 Resp: 336137

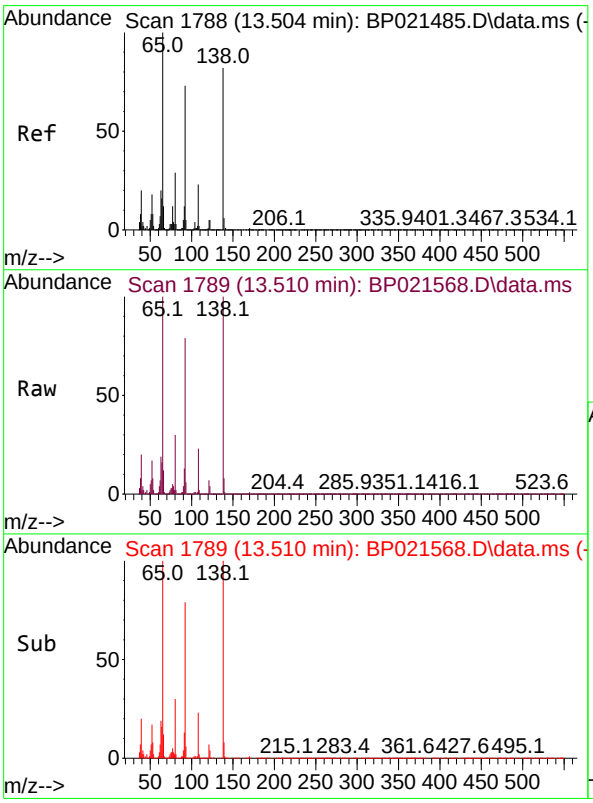
Ion	Ratio	Lower	Upper
162	100		
127	39.9	31.9	47.9
164	32.8	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
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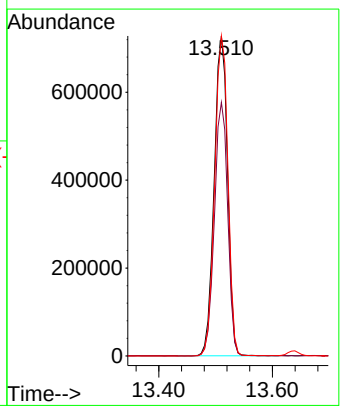
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

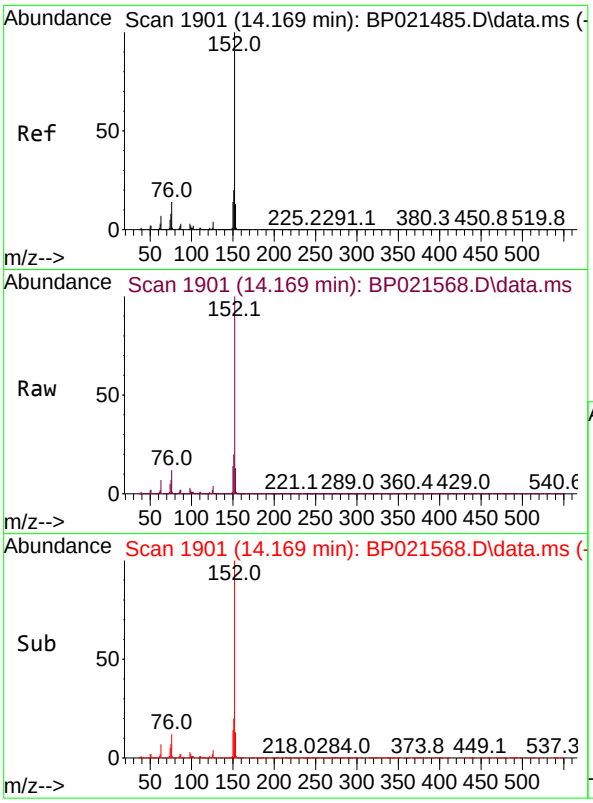


#48
2-Nitroaniline
Concen: 54.598 ng
RT: 13.510 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 65 Resp: 1188075

Ion	Ratio	Lower	Upper
65	100		
92	79.3	58.1	87.1
138	100.0	65.5	98.3#

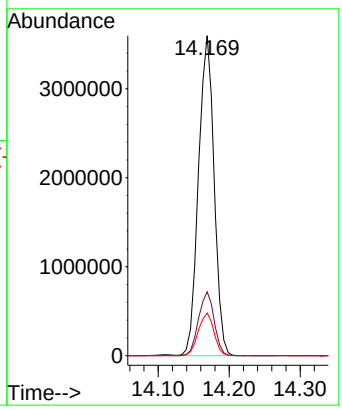




#49
Acenaphthylene
Concen: 48.890 ng
RT: 14.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:152 Resp: 550022

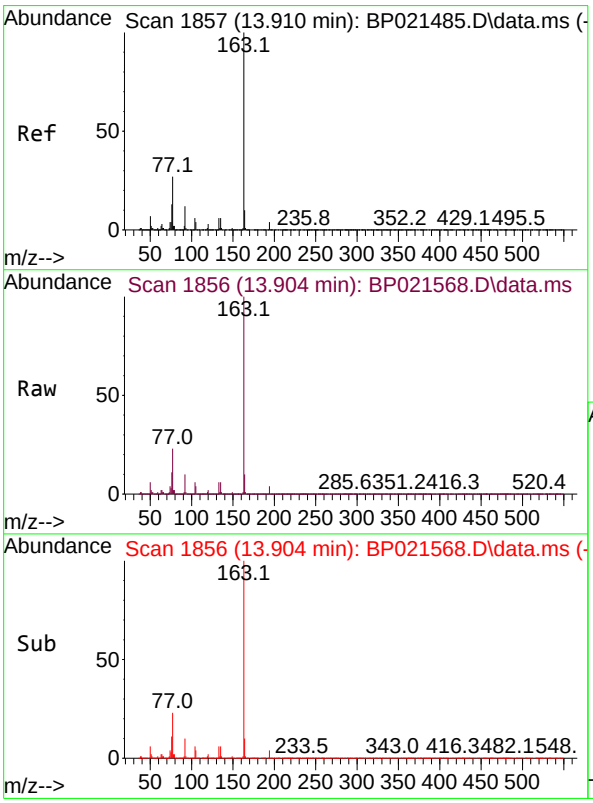
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.9	23.9
153	13.3	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
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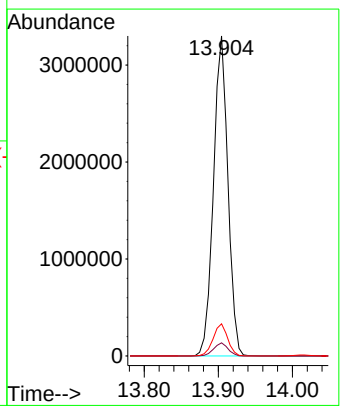
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

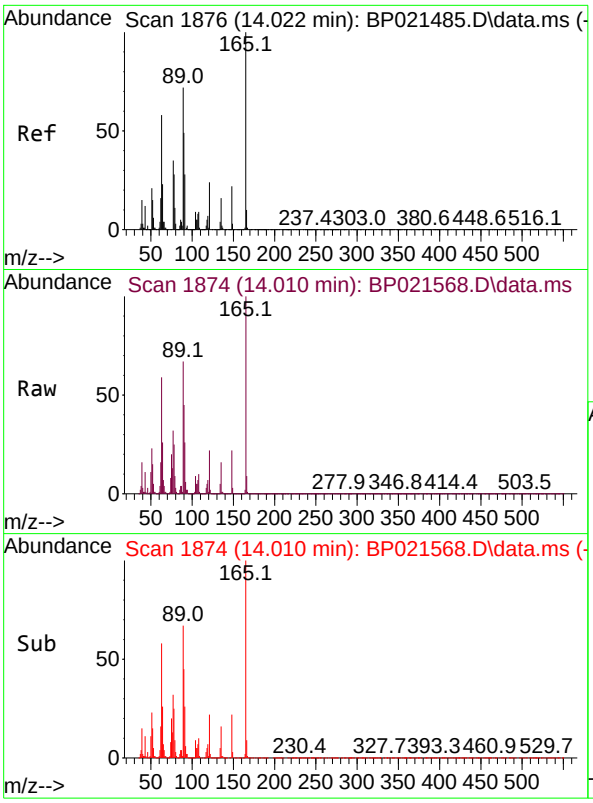


#50
Dimethylphthalate
Concen: 47.945 ng
RT: 13.904 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:163 Resp: 4461019

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.0	8.3	12.5

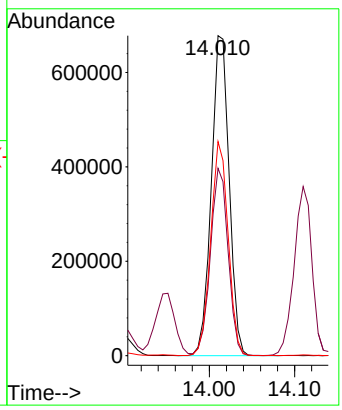




#51
2,6-Dinitrotoluene
Concen: 52.003 ng
RT: 14.010 min Scan# 1
Delta R.T. -0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:165 Resp: 98298

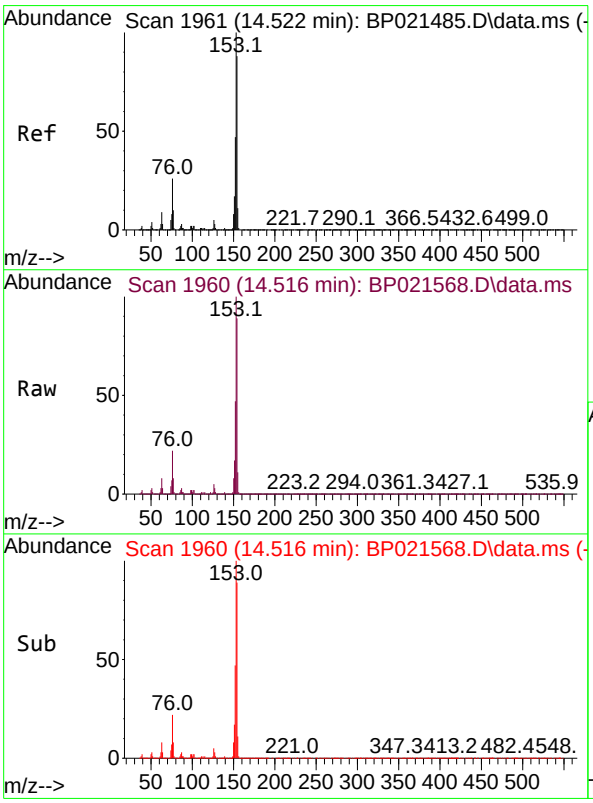
Ion	Ratio	Lower	Upper
165	100		
63	58.6	51.5	77.3
89	66.9	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
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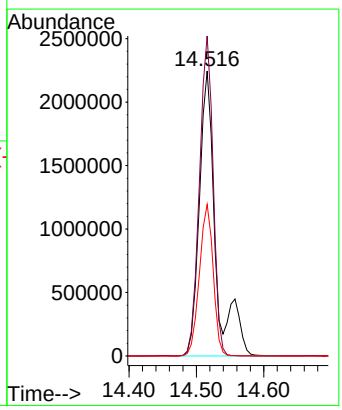
Reviewed By :Yogesh Patel 08/21/2024
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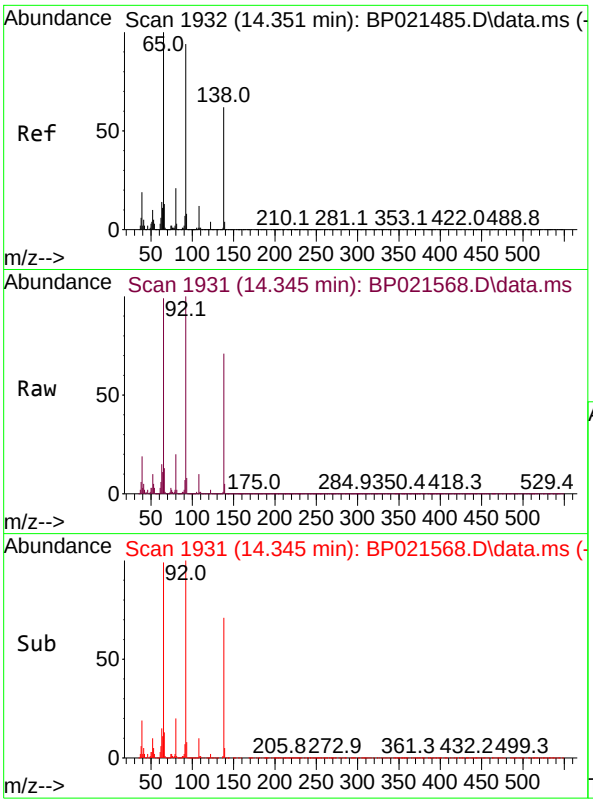


#52
Acenaphthene
Concen: 51.606 ng m
RT: 14.516 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:154 Resp: 3809412

Ion	Ratio	Lower	Upper
154	100		
153	112.3	91.1	136.7
152	53.2	43.0	64.4

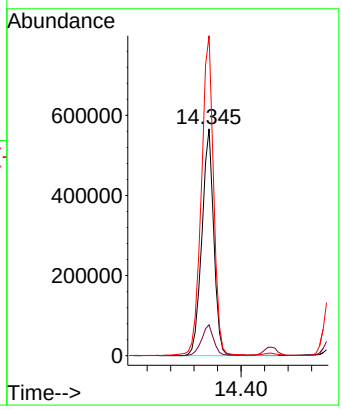




#53
3-Nitroaniline
Concen: 43.541 ng
RT: 14.345 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:138 Resp: 79607

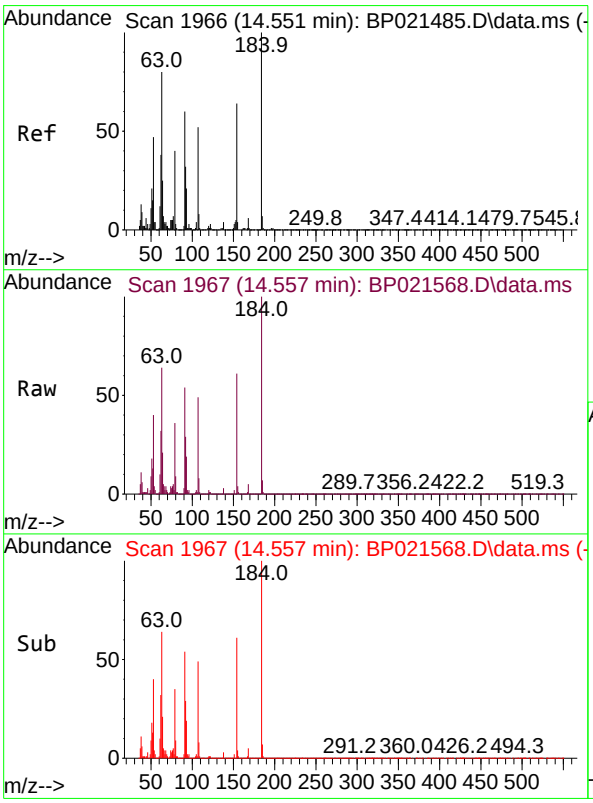
Ion	Ratio	Lower	Upper
138	100		
108	13.6	16.2	24.4#
92	141.1	122.2	183.4



Instrument :
BNA_P
ClientSampleId :
PB162822BS

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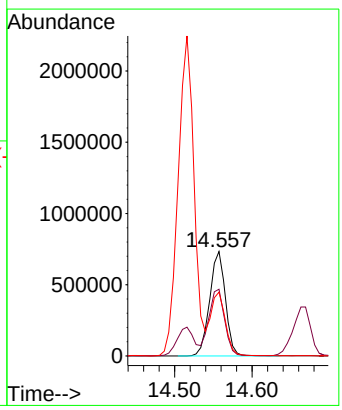
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

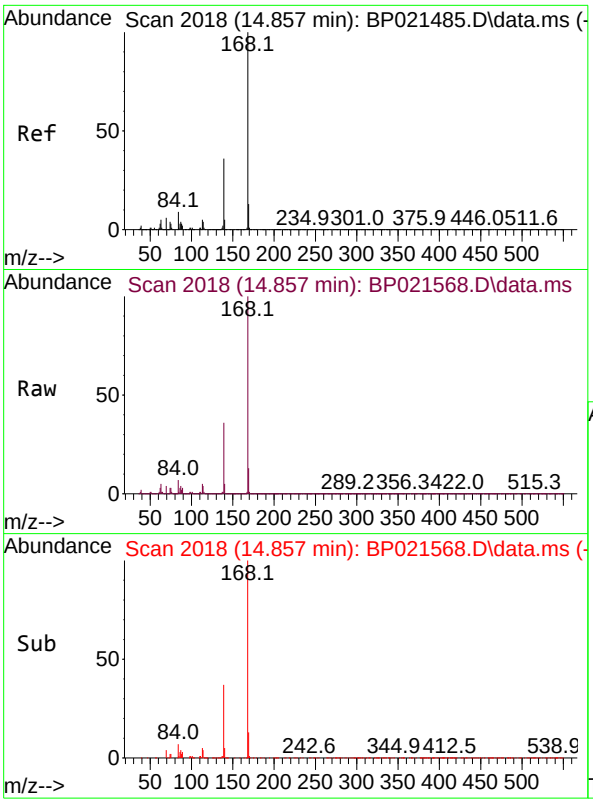


#54
2,4-Dinitrophenol
Concen: 123.071 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:184 Resp: 1036408

Ion	Ratio	Lower	Upper
184	100		
63	63.8	64.9	97.3#
154	61.2	52.1	78.1

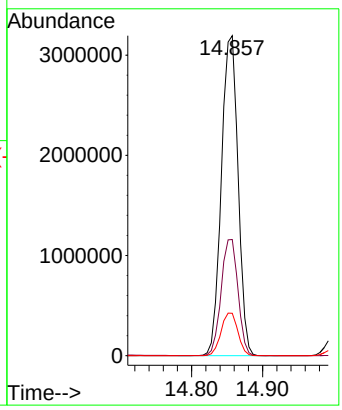




#55
Dibenzofuran
Concen: 45.731 ng
RT: 14.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:168 Resp: 519299

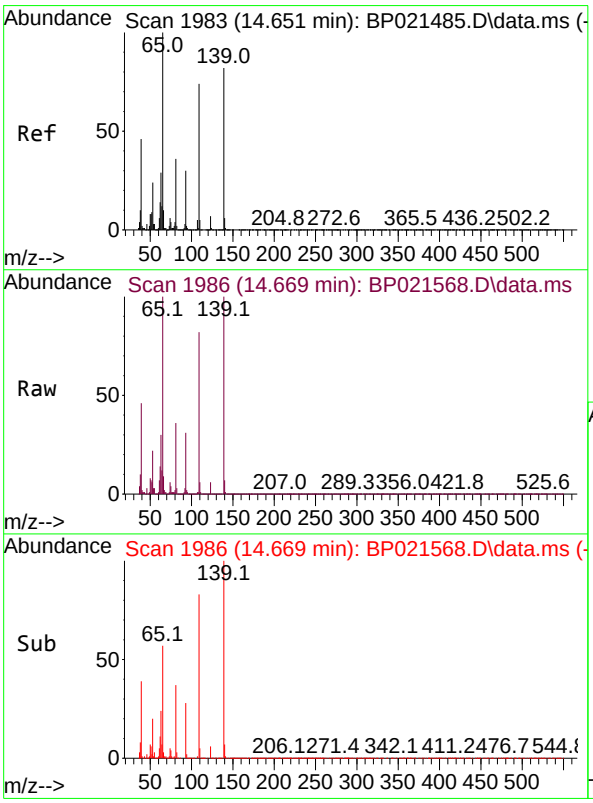
Ion	Ratio	Lower	Upper
168	100		
139	36.3	28.6	43.0
169	13.2	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
PB162822BS

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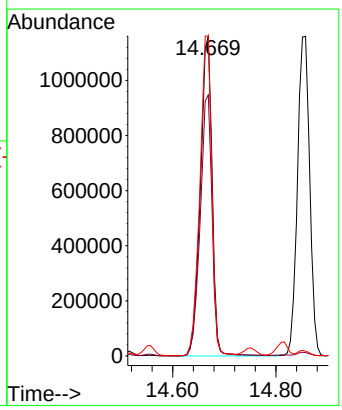
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Supervised By :mohammad ahmed 08/22/2024

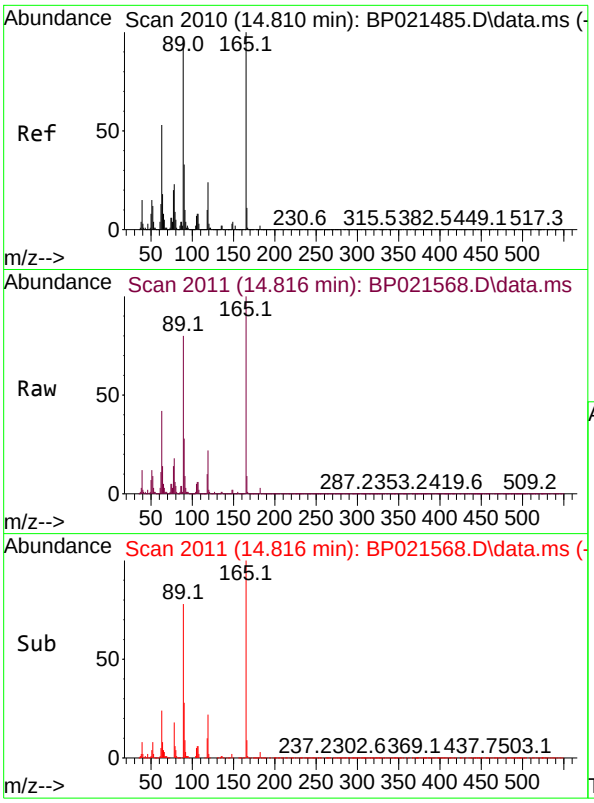


#56
4-Nitrophenol
Concen: 116.168 ng
RT: 14.669 min Scan# 1986
Delta R.T. 0.018 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:139 Resp: 1830474

Ion	Ratio	Lower	Upper
139	100		
109	81.7	70.2	110.2
65	100.2	101.8	141.8#

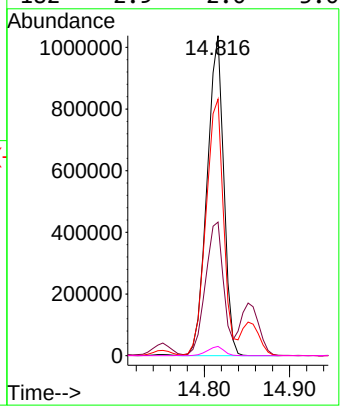




#57
2,4-Dinitrotoluene
Concen: 58.078 ng
RT: 14.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

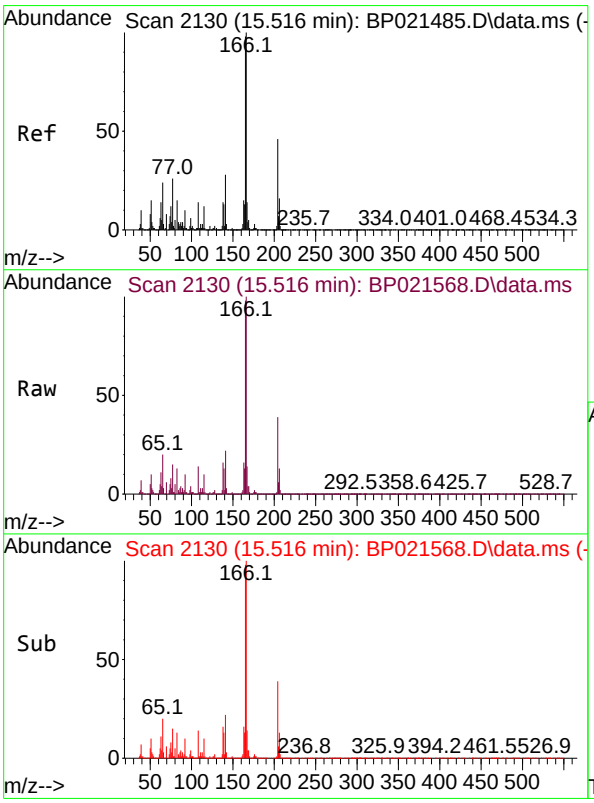
Tgt Ion:165 Resp: 141471

Ion	Ratio	Lower	Upper
165	100		
63	41.8	42.5	63.7
89	80.1	77.1	115.7
182	2.9	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
PB162822BS

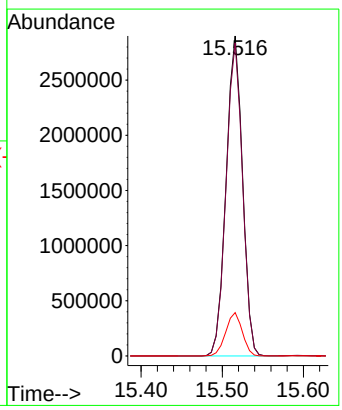
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

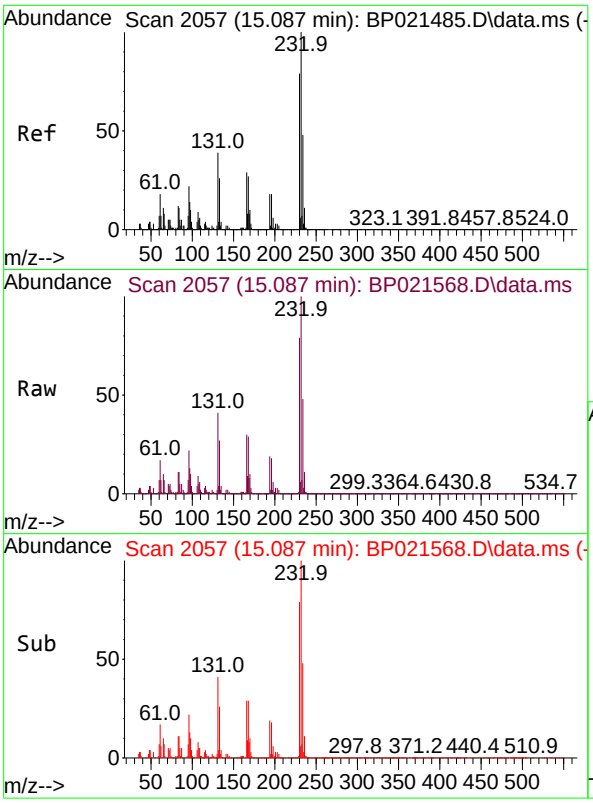


#58
Fluorene
Concen: 43.711 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:166 Resp: 4077699

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.1	117.1
167	13.6	11.0	16.4

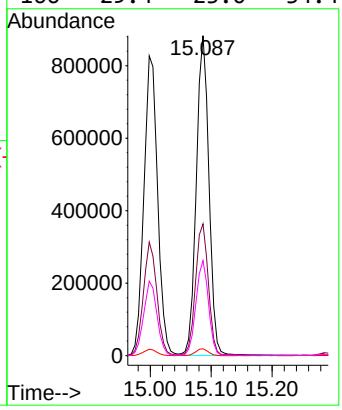




#59
2,3,4,6-Tetrachlorophenol
Concen: 59.406 ng
RT: 15.087 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:232 Resp: 126684

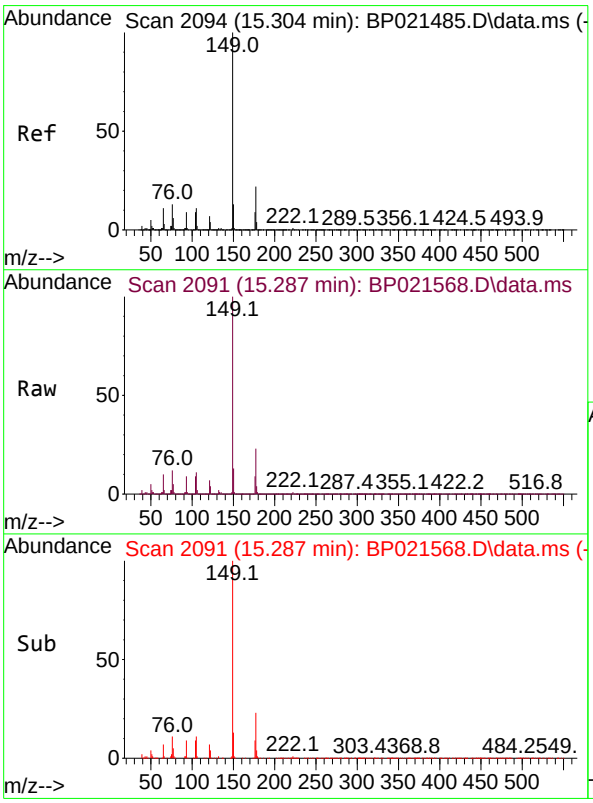
Ion	Ratio	Lower	Upper
232	100		
131	42.1	33.1	49.7
130	2.2	1.7	2.5
166	29.4	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
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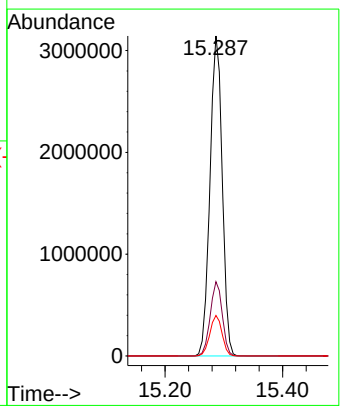
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

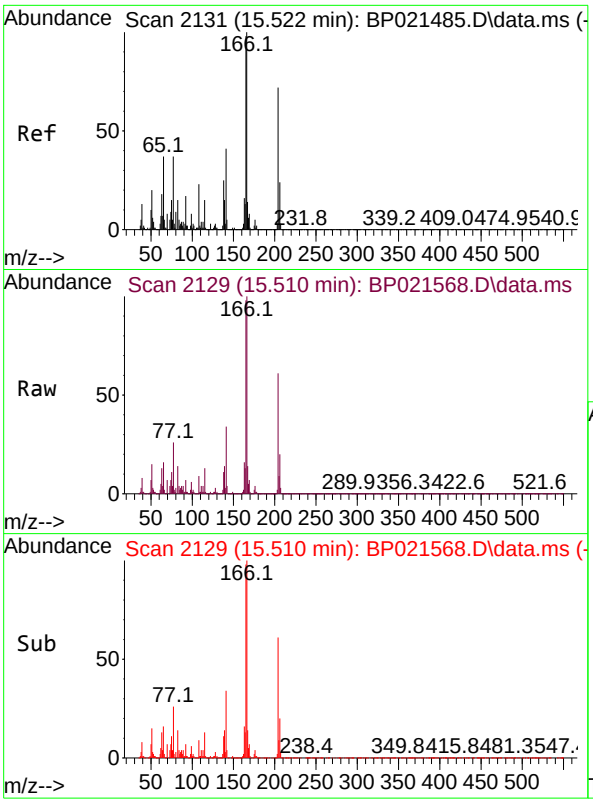


#60
Diethylphthalate
Concen: 47.643 ng
RT: 15.287 min Scan# 2091
Delta R.T. -0.018 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:149 Resp: 4548361

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.8	26.8
150	12.7	10.1	15.1

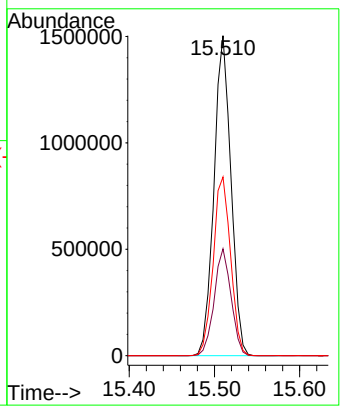




#61
4-Chlorophenyl-phenylether
Concen: 43.232 ng
RT: 15.510 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

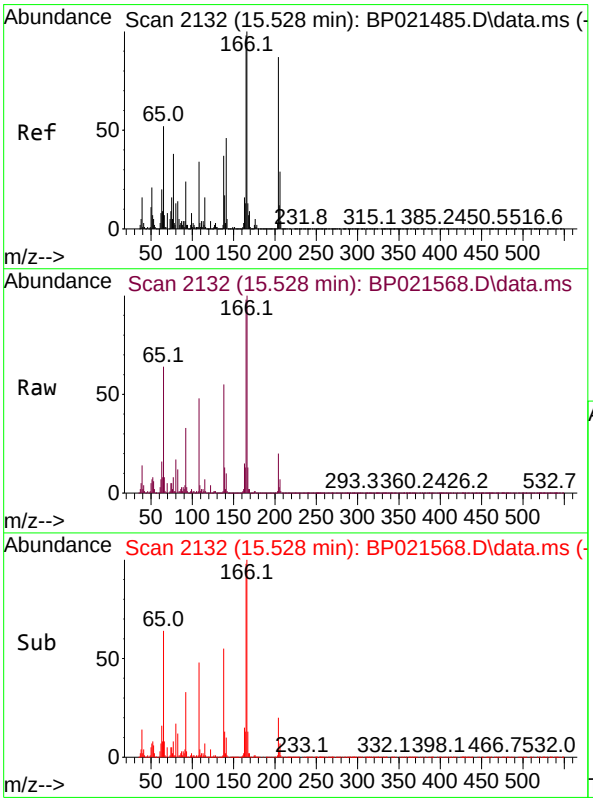
Tgt Ion:204 Resp: 208466

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.4	39.6
141	55.9	46.1	69.1



Instrument :
BNA_P
ClientSampleId :
PB162822BS

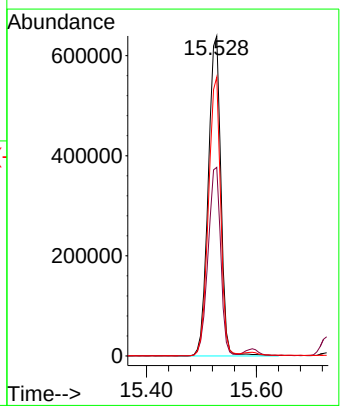
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

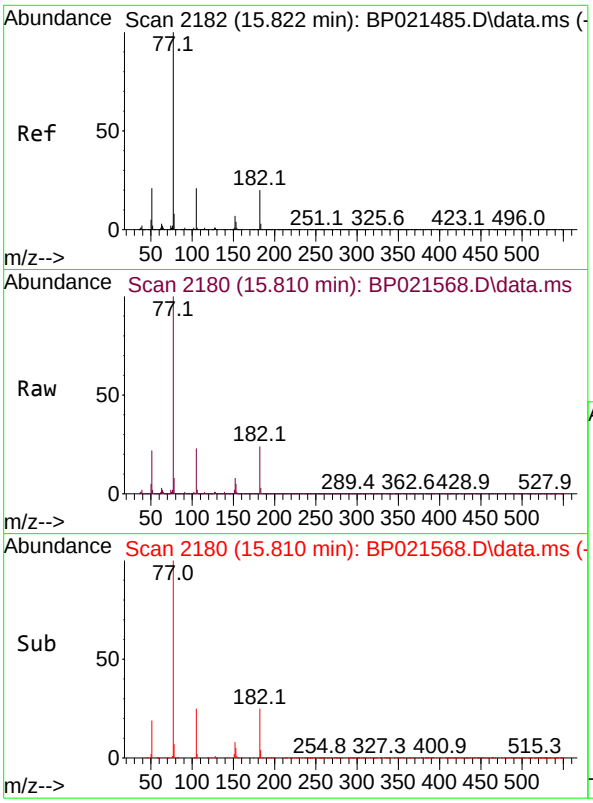


#62
4-Nitroaniline
Concen: 53.376 ng
RT: 15.528 min Scan# 2132
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:138 Resp: 1019125

Ion	Ratio	Lower	Upper
138	100		
92	59.0	46.4	86.4
108	87.2	73.2	113.2

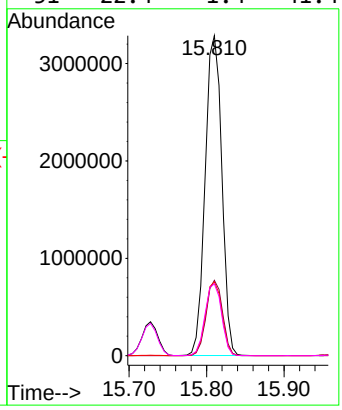




#63
Azobenzene
Concen: 41.754 ng
RT: 15.810 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion: 77 Resp: 490000

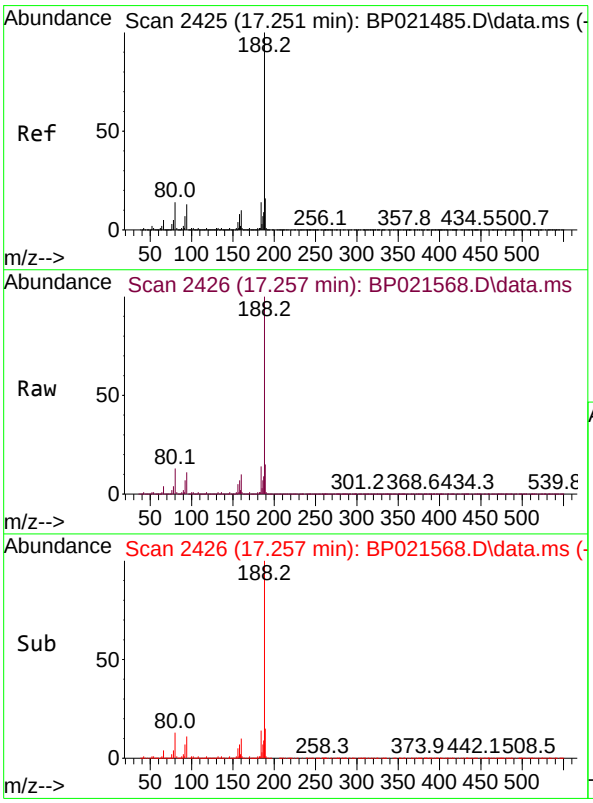
Ion	Ratio	Lower	Upper
77	100		
182	23.6	0.0	39.9
105	23.1	0.9	40.9
51	22.4	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
PB162822BS

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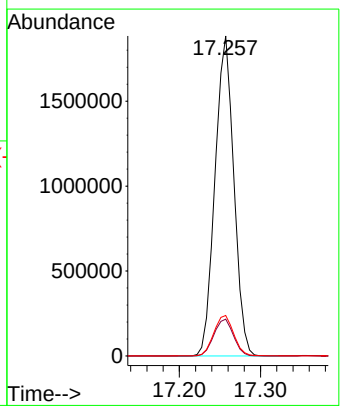
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

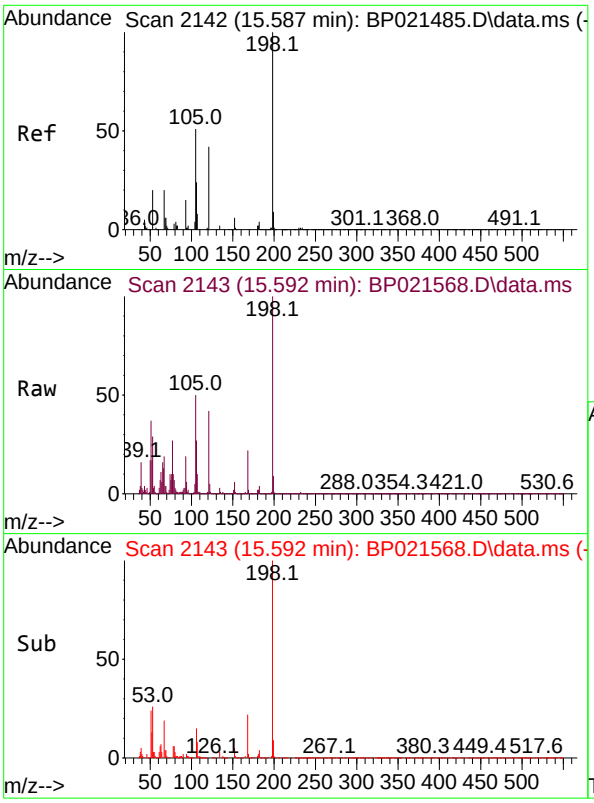


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:188 Resp: 3038381

Ion	Ratio	Lower	Upper
188	100		
94	11.5	10.2	15.4
80	12.7	11.6	17.4





#65
4,6-Dinitro-2-methylphenol
Concen: 70.607 ng
RT: 15.592 min Scan# 21
Delta R.T. 0.005 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

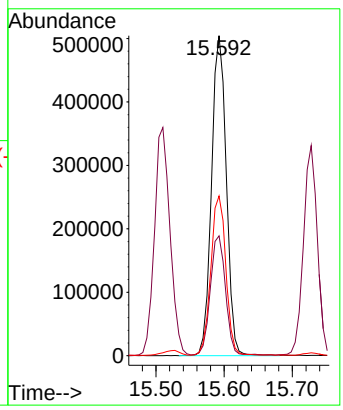
Tgt Ion:198 Resp: 76096

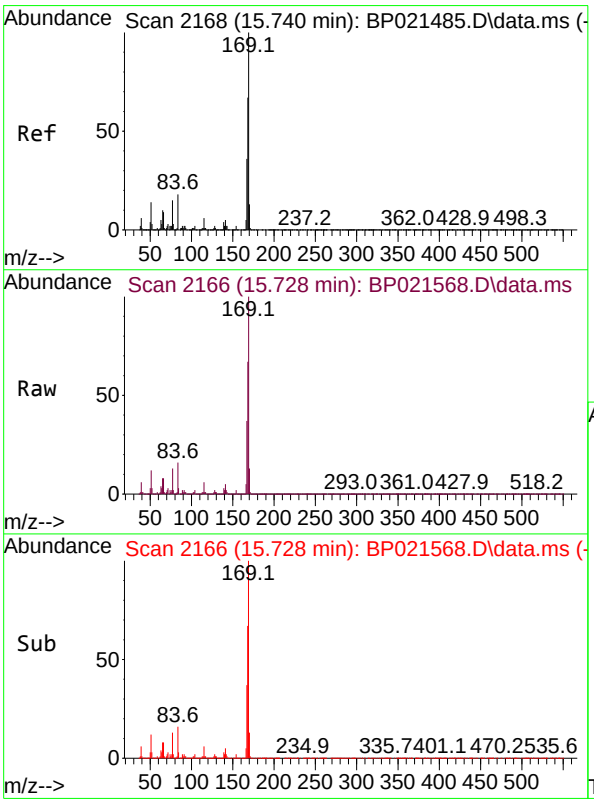
Ion	Ratio	Lower	Upper
198	100		
51	37.4	21.5	61.5
105	49.9	32.9	72.9

Instrument :
BNA_P
ClientSampleId :
PB162822BS

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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

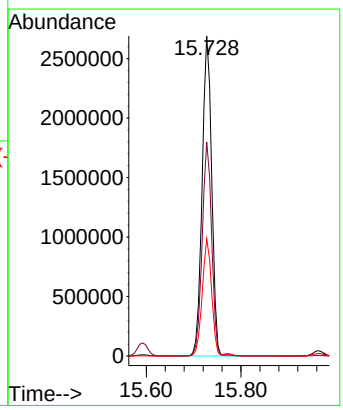


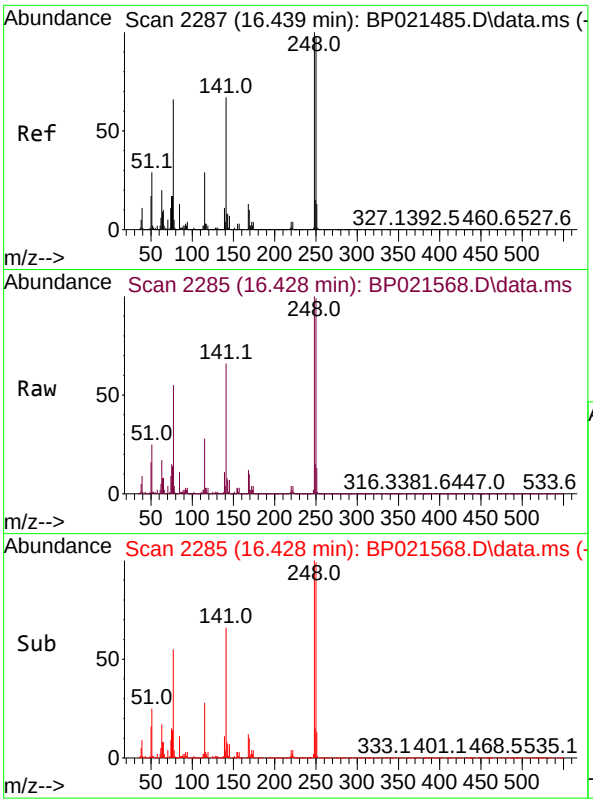


#66
n-Nitrosodiphenylamine
Concen: 46.195 ng
RT: 15.728 min Scan# 2166
Delta R.T. -0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:169 Resp: 3761401

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.4	80.2
167	36.6	28.7	43.1

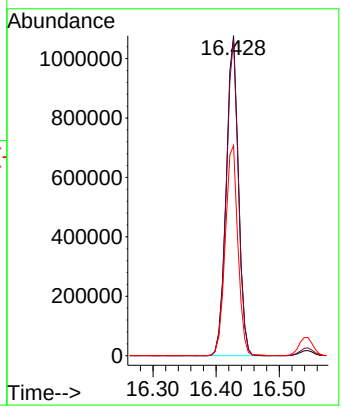




#67
4-Bromophenyl-phenylether
Concen: 44.989 ng
RT: 16.428 min Scan# 2
Delta R.T. -0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:248 Resp: 144672

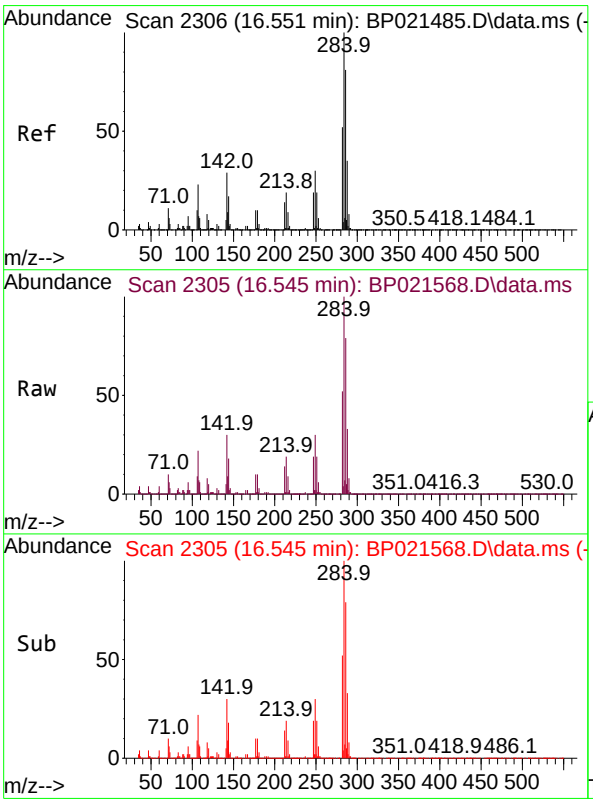
Ion	Ratio	Lower	Upper
248	100		
250	99.0	78.6	117.8
141	65.7	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
PB162822BS

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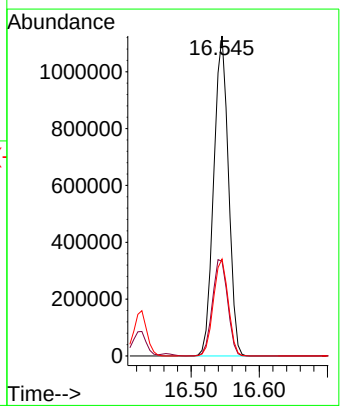
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

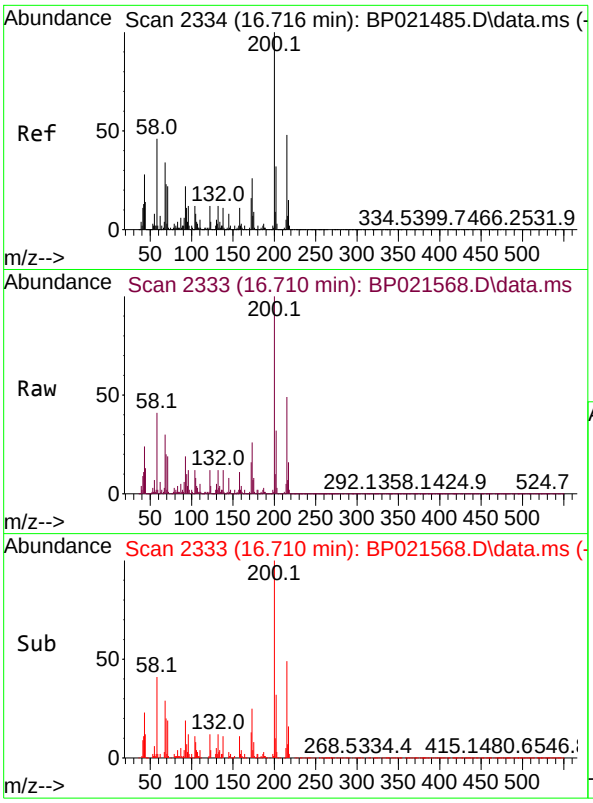


#68
Hexachlorobenzene
Concen: 44.464 ng
RT: 16.545 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:284 Resp: 1689715

Ion	Ratio	Lower	Upper
284	100		
142	29.6	23.4	35.2
249	30.3	24.1	36.1

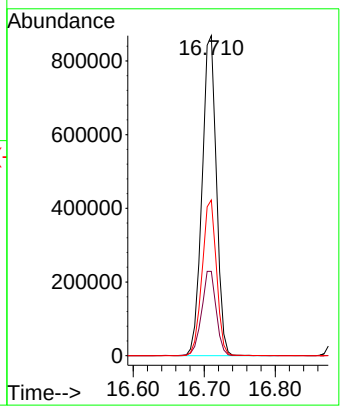




#69
Atrazine
Concen: 43.616 ng
RT: 16.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:200 Resp: 121929

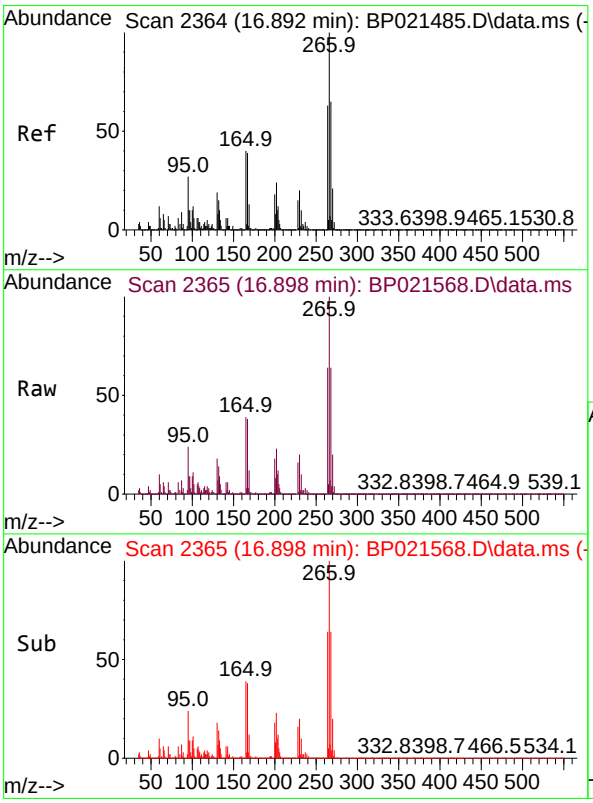
Ion	Ratio	Lower	Upper
200	100		
173	26.3	6.2	46.2
215	48.6	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations APPROVED

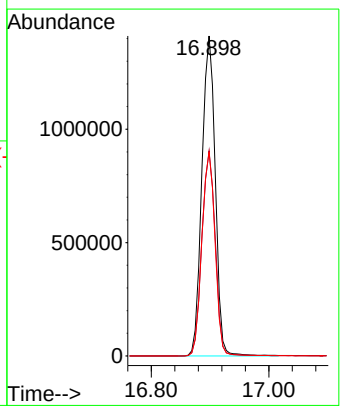
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

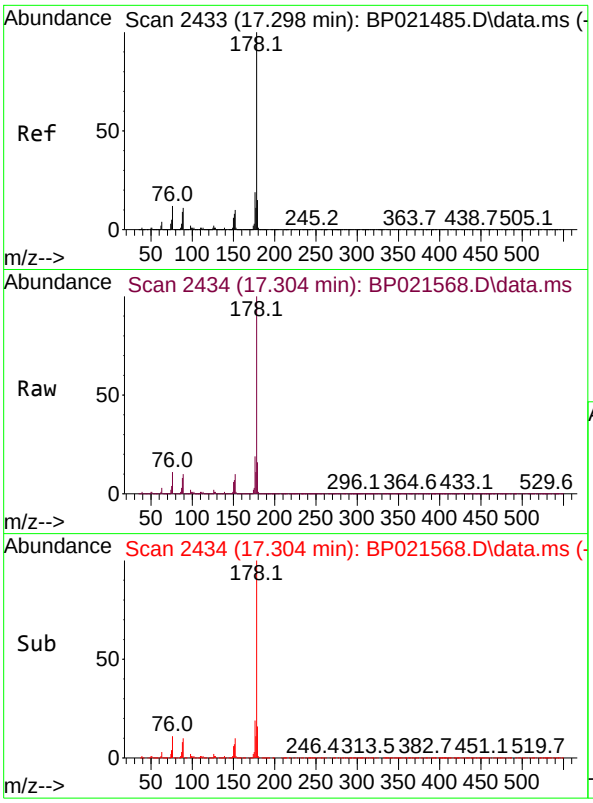


#70
Pentachlorophenol
Concen: 107.752 ng
RT: 16.898 min Scan# 2365
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:266 Resp: 2234935

Ion	Ratio	Lower	Upper
266	100		
268	64.1	51.8	77.6
264	63.7	50.5	75.7

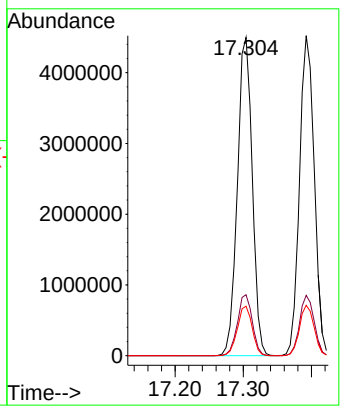




#71
Phenanthrene
Concen: 46.623 ng
RT: 17.304 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:178 Resp: 681269

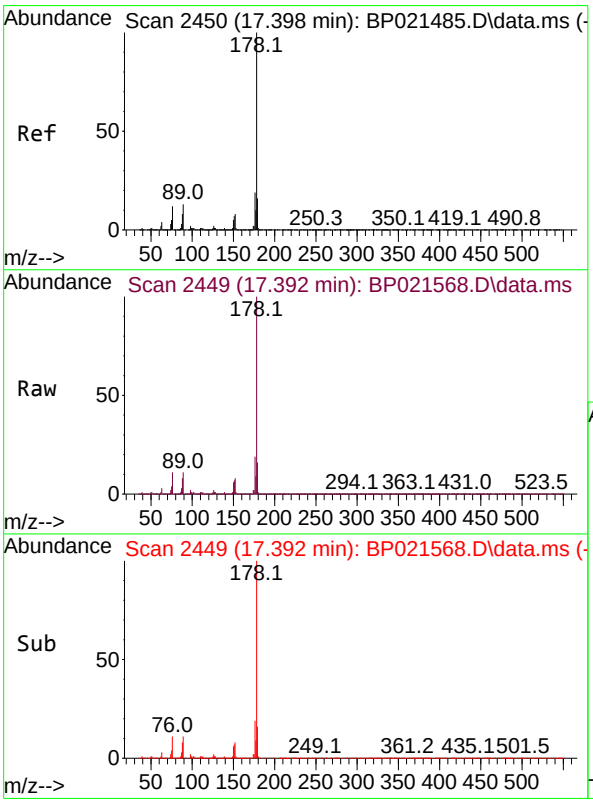
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.5	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
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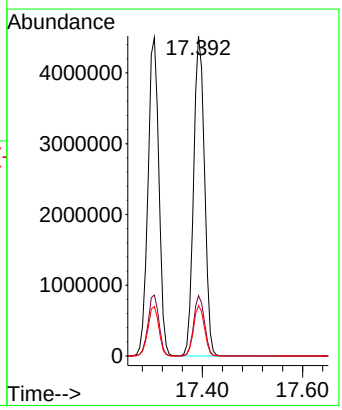
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

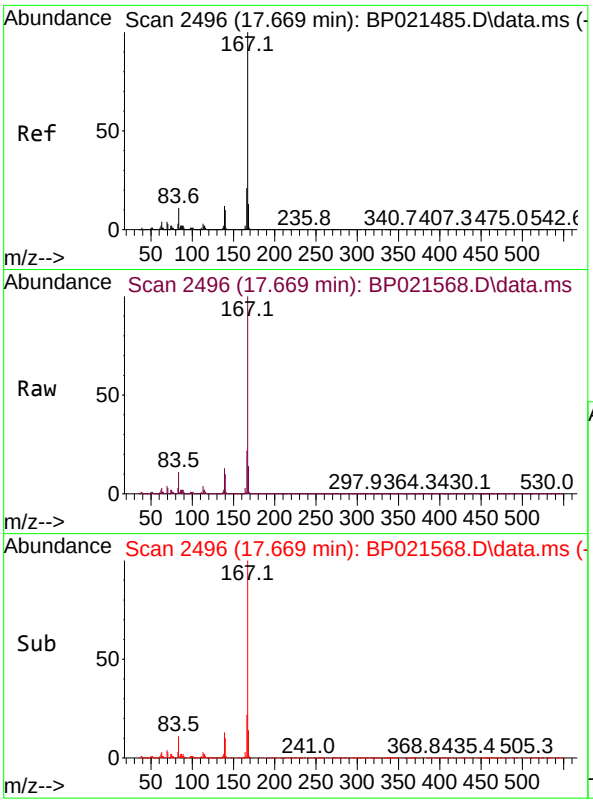


#72
Anthracene
Concen: 47.550 ng
RT: 17.392 min Scan# 2449
Delta R.T. -0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:178 Resp: 6814116

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.7	12.5	18.7

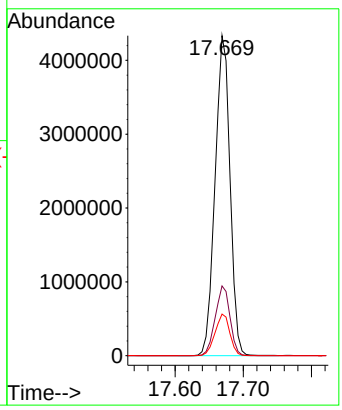




#73
Carbazole
Concen: 47.774 ng
RT: 17.669 min Scan# 24
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:167 Resp: 659787

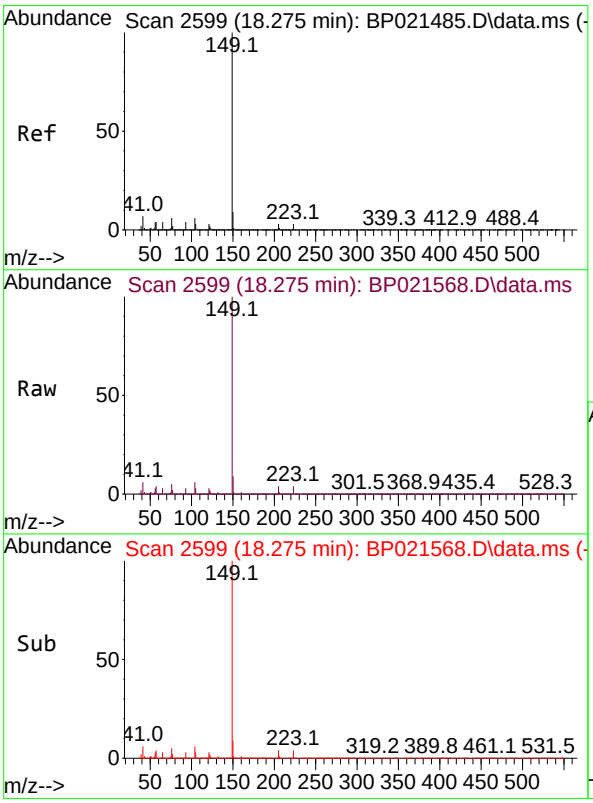
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.4
139	13.0	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
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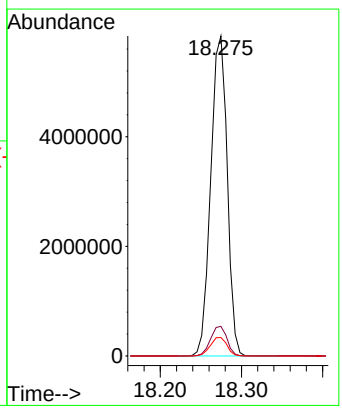
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

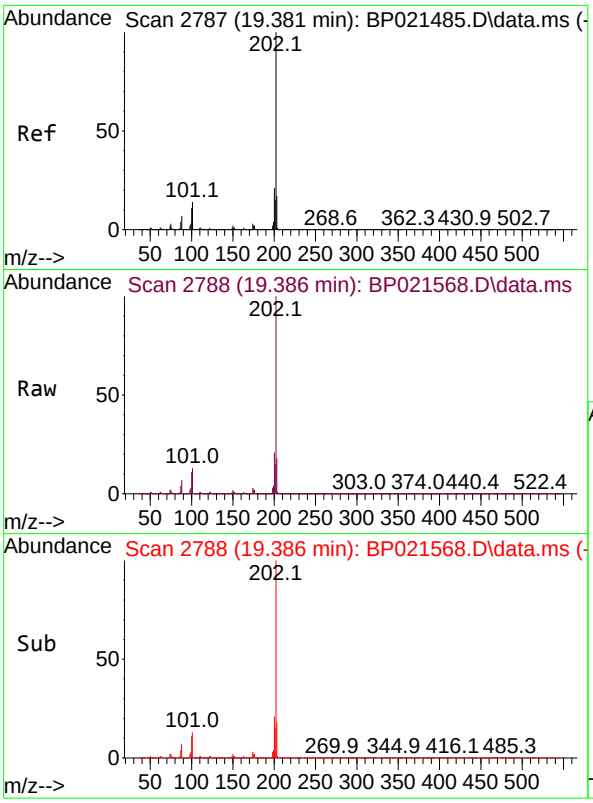


#74
Di-n-butylphthalate
Concen: 48.427 ng
RT: 18.275 min Scan# 2599
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:149 Resp: 8213695

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.8	4.9	7.3

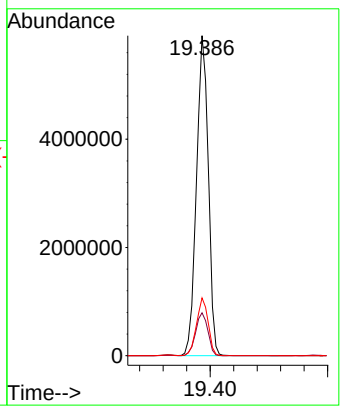




#75
Fluoranthene
Concen: 46.065 ng
RT: 19.386 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:202 Resp: 825894

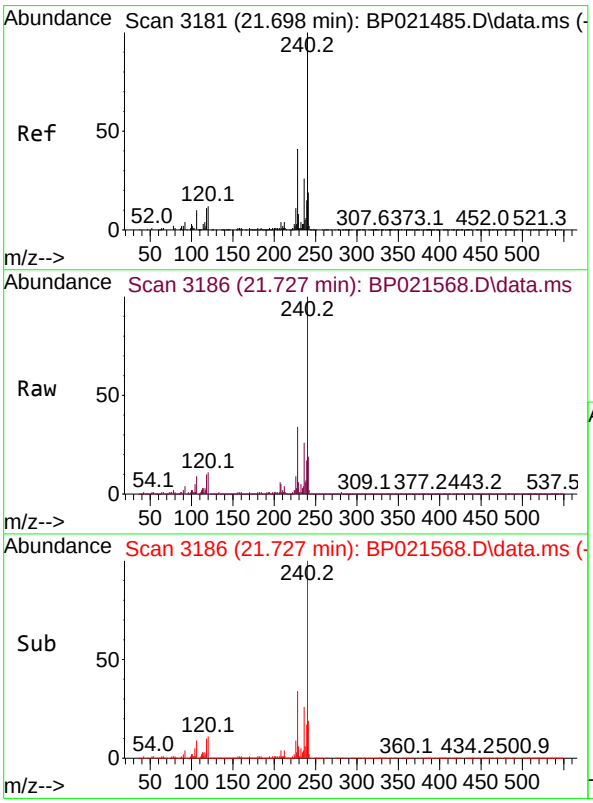
Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	34.0
203	18.1	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
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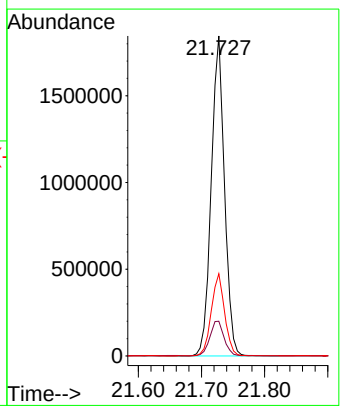
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

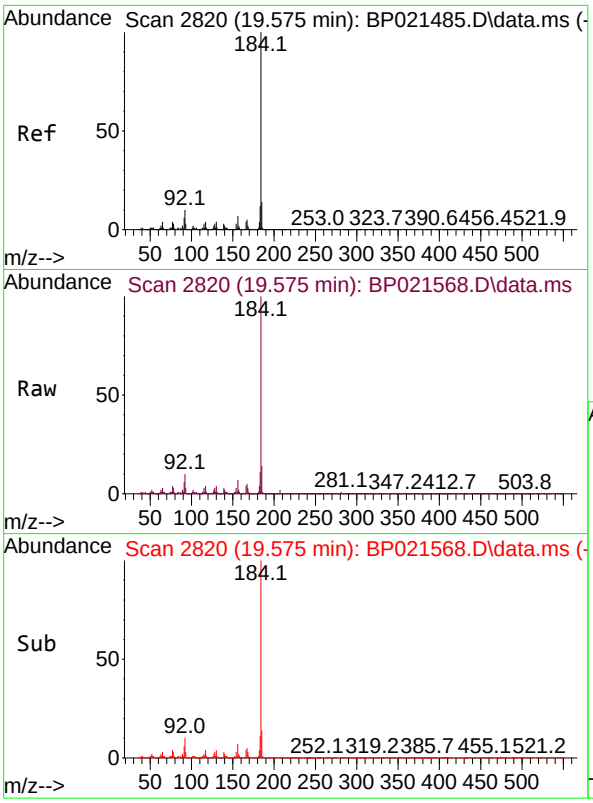


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.727 min Scan# 3186
Delta R.T. 0.029 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:240 Resp: 2684396

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.9	14.9
236	25.7	20.6	30.8

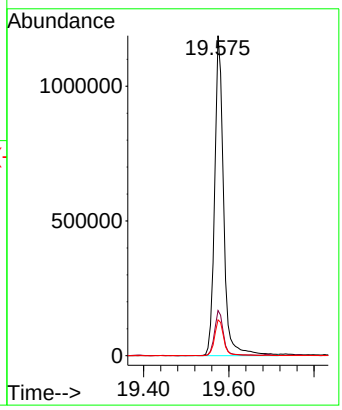




#77
Benzidine
Concen: 27.868 ng
RT: 19.575 min Scan# 2
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:184 Resp: 173731

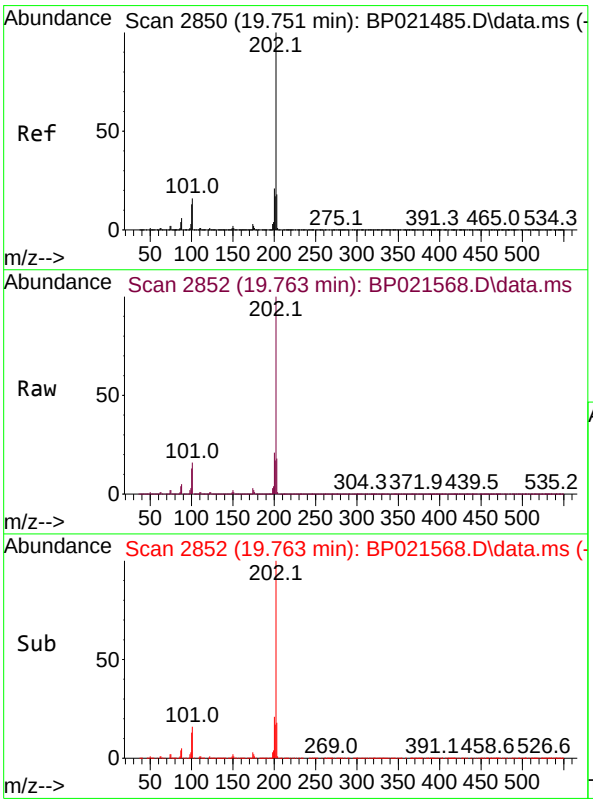
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.2	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
APPROVED

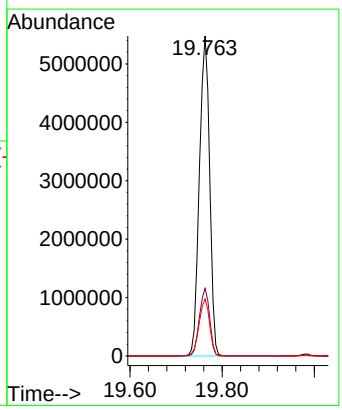
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

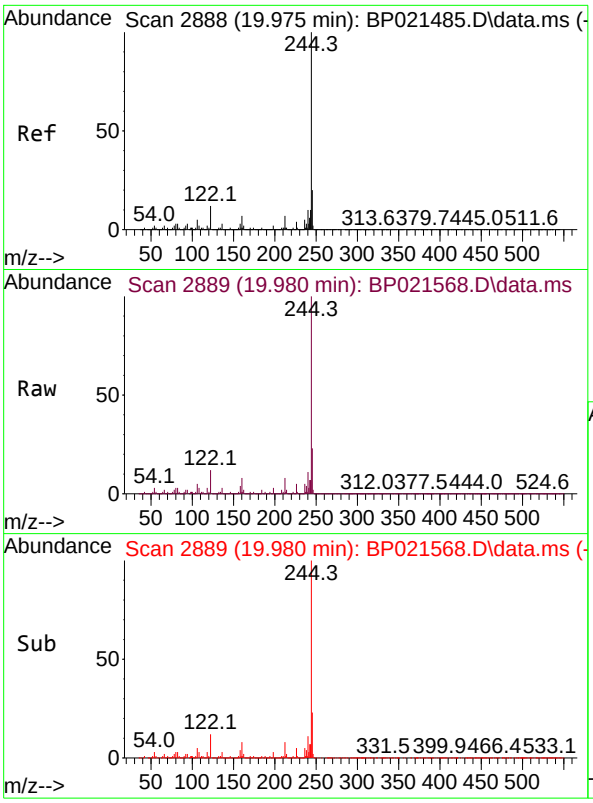


#78
Pyrene
Concen: 48.494 ng
RT: 19.763 min Scan# 2852
Delta R.T. 0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:202 Resp: 8508675

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.7	25.1
203	17.8	14.1	21.1

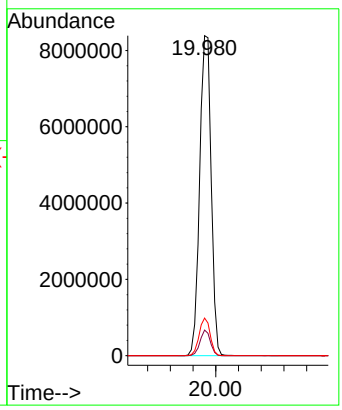




#79
Terphenyl-d14
Concen: 85.222 ng
RT: 19.980 min Scan# 2
Delta R.T. 0.005 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:244 Resp:1177563

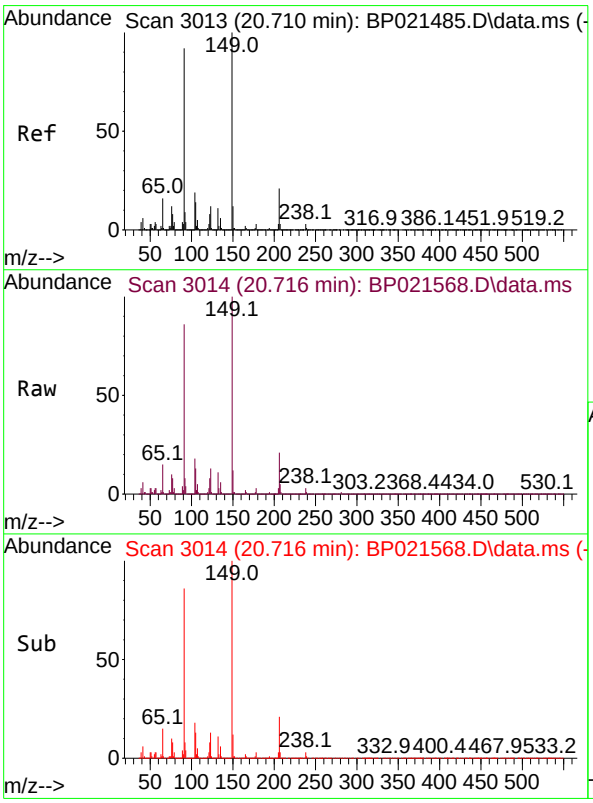
Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.6	8.4
122	11.8	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations APPROVED

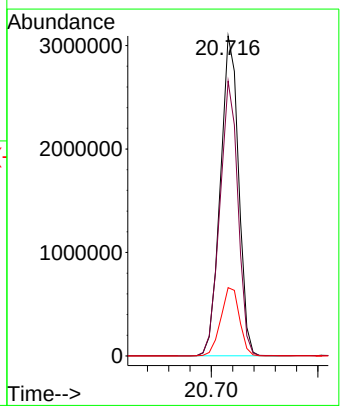
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

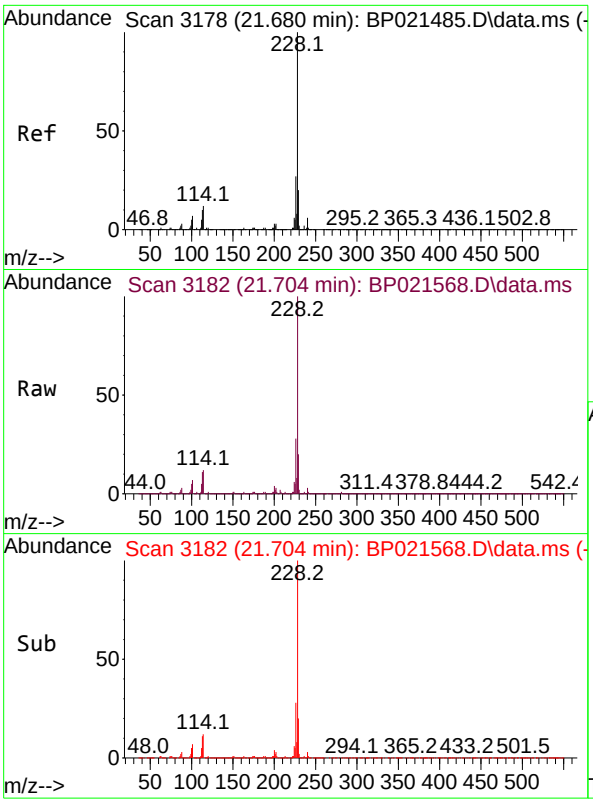


#80
Butylbenzylphthalate
Concen: 54.638 ng
RT: 20.716 min Scan# 3014
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:149 Resp: 3674312

Ion	Ratio	Lower	Upper
149	100		
91	85.9	73.3	109.9
206	21.4	17.1	25.7

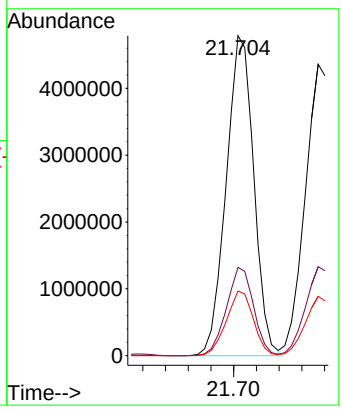




#81
Benzo(a)anthracene
Concen: 47.864 ng
RT: 21.704 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:228 Resp: 806591

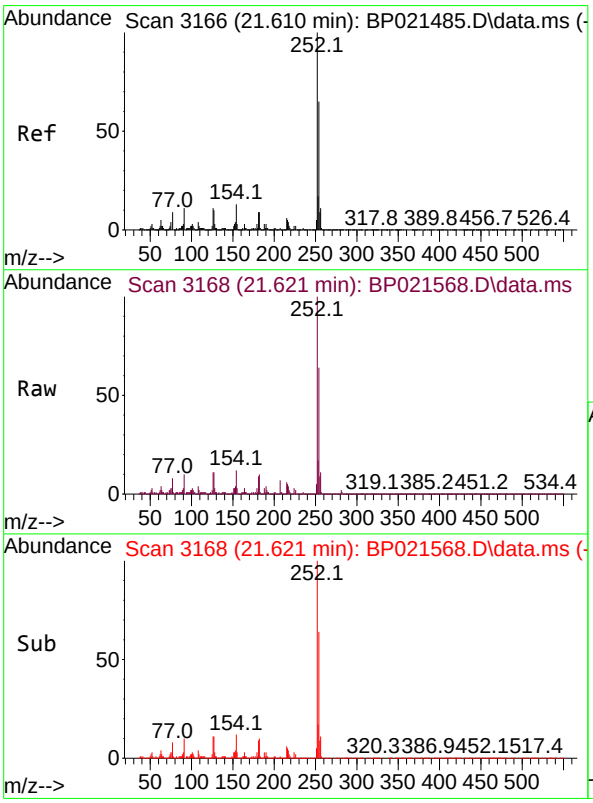
Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.4	32.2
229	20.2	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
APPROVED

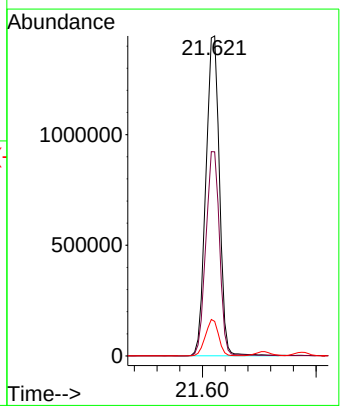
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

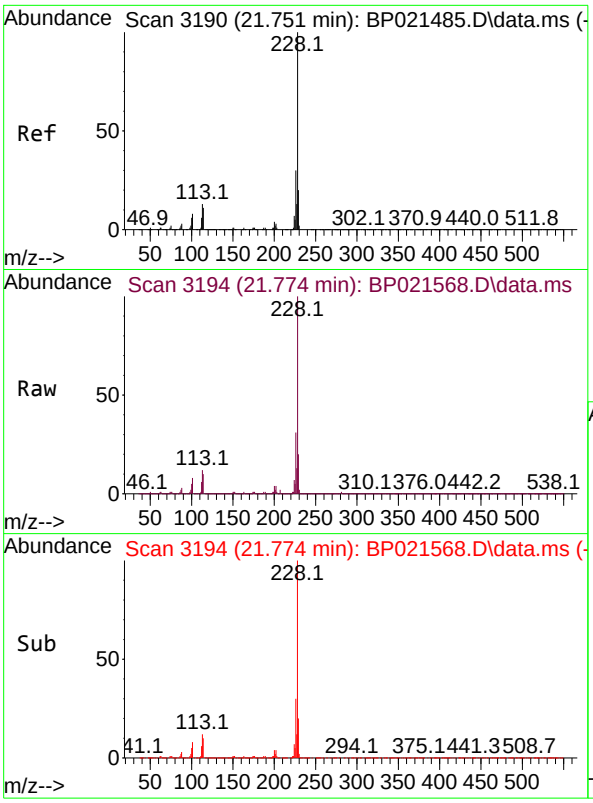


#82
3,3'-Dichlorobenzidine
Concen: 44.152 ng
RT: 21.621 min Scan# 3168
Delta R.T. 0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:252 Resp: 2385563

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.7	77.5
126	10.8	8.7	13.1

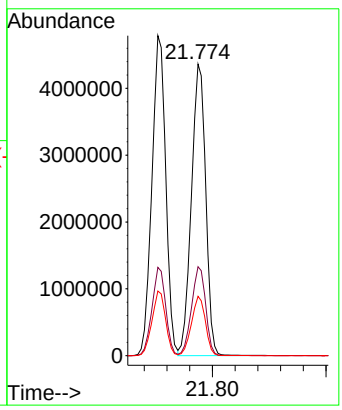




#83
Chrysene
Concen: 48.009 ng
RT: 21.774 min Scan# 3
Delta R.T. 0.023 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:228 Resp: 763841

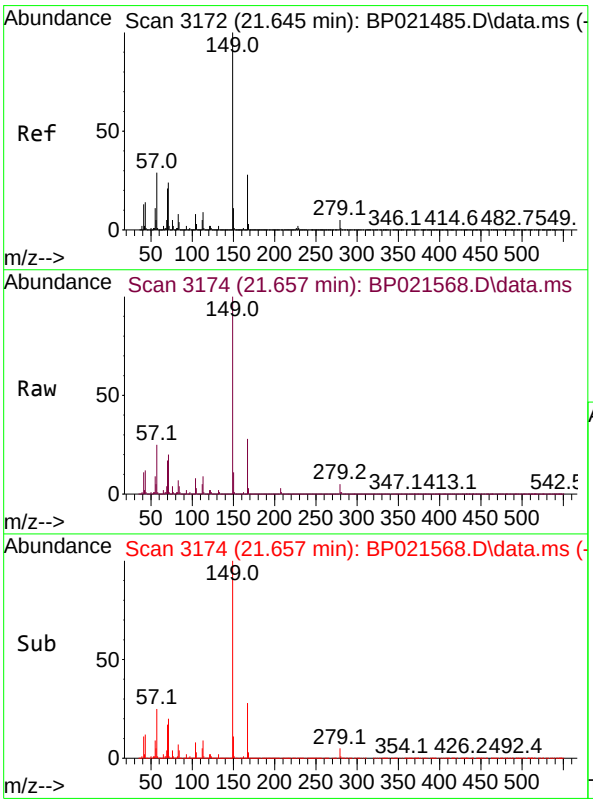
Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.9	35.9
229	20.3	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations APPROVED

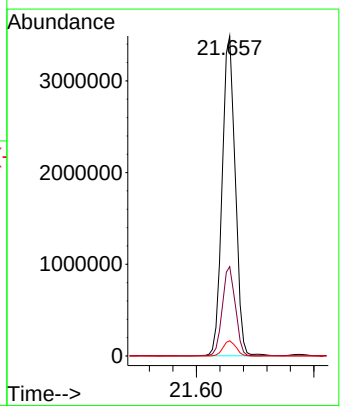
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

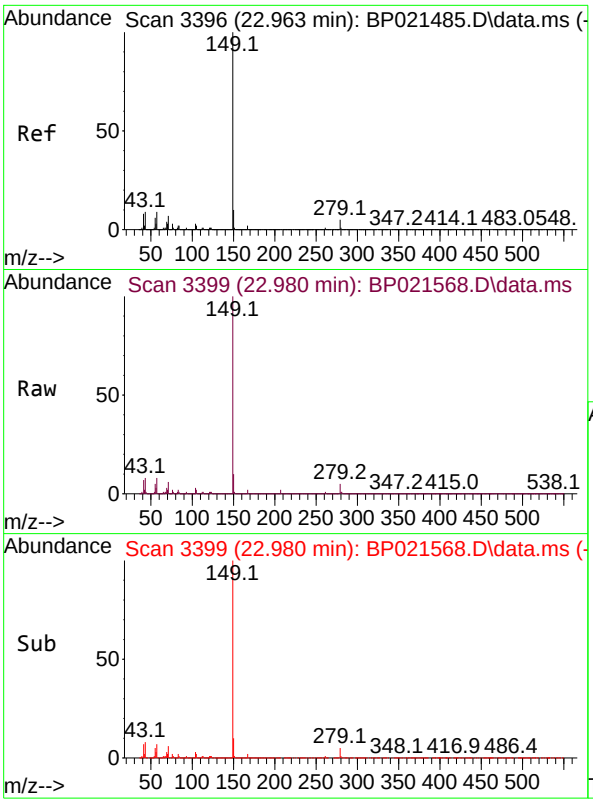


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.182 ng
RT: 21.657 min Scan# 3174
Delta R.T. 0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:149 Resp: 5396475

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.3	33.5
279	4.8	3.8	5.6

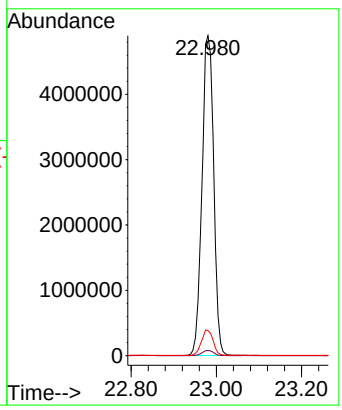




#85
Di-n-octyl phthalate
Concen: 52.766 ng
RT: 22.980 min Scan# 3
Delta R.T. 0.017 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:149 Resp: 932522

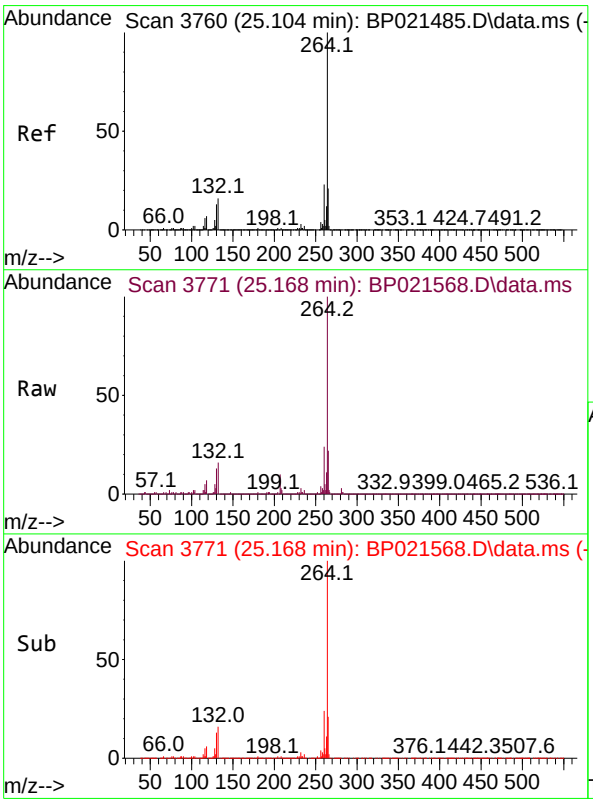
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.9	7.3	10.9



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
APPROVED

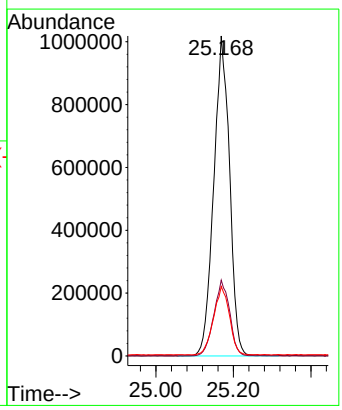
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

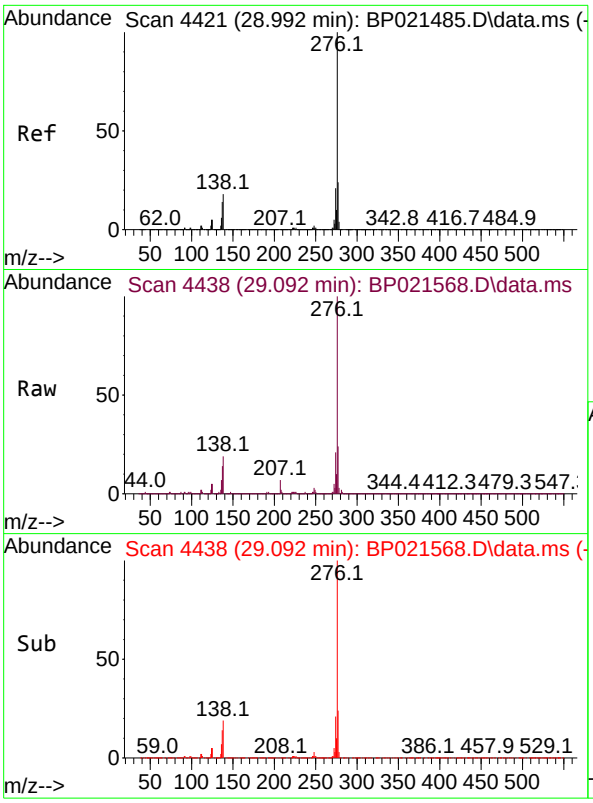


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.168 min Scan# 3771
Delta R.T. 0.065 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:264 Resp: 2880701

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.7	17.1	25.7

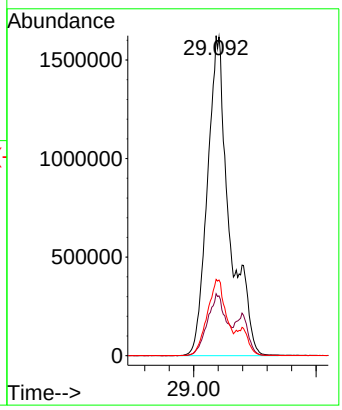




#87
Indeno(1,2,3-cd)pyrene
Concen: 54.182 ng m
RT: 29.092 min Scan# 44
Delta R.T. 0.100 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:276 Resp:1011737

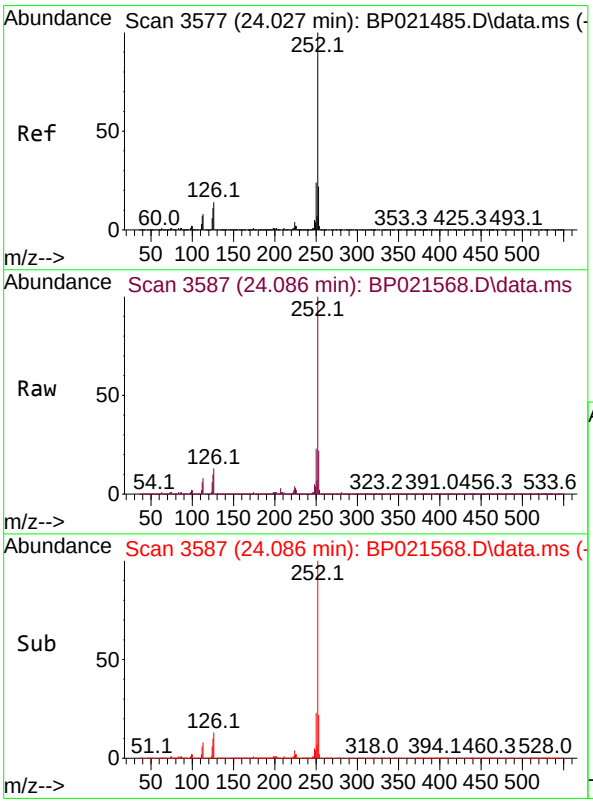
Ion	Ratio	Lower	Upper
276	100		
138	16.4	12.8	19.2
277	20.3	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations
APPROVED

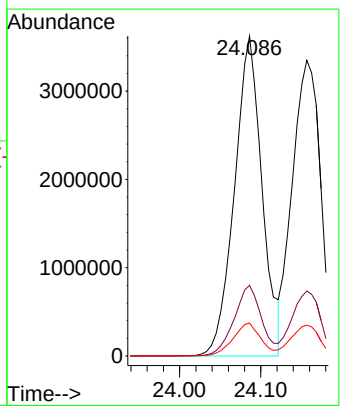
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

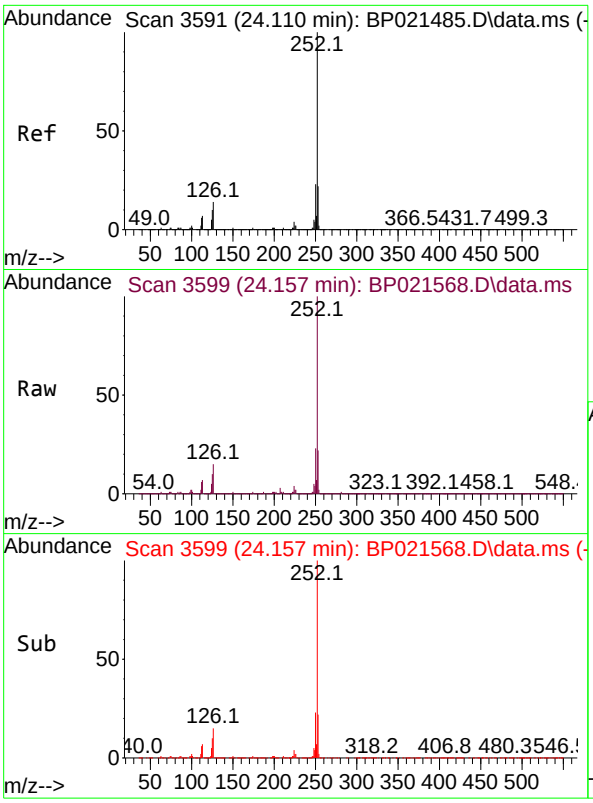


#88
Benzo(b)fluoranthene
Concen: 51.707 ng
RT: 24.086 min Scan# 3587
Delta R.T. 0.059 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:252 Resp: 8554644

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.3	8.6	13.0





#89
Benzo(k)fluoranthene
Concen: 50.415 ng
RT: 24.157 min Scan# 3
Delta R.T. 0.047 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

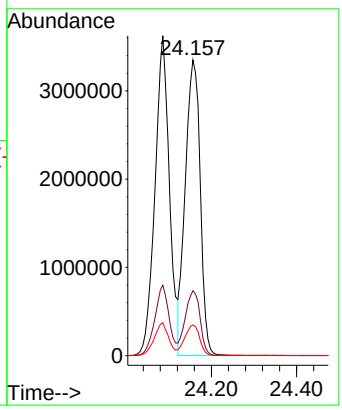
Tgt Ion:252 Resp: 813662

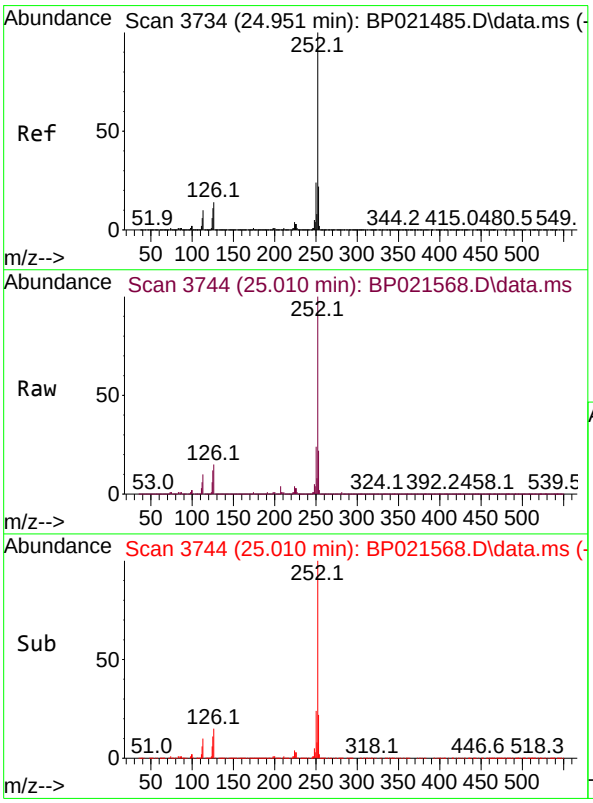
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.4	7.8	11.8

Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

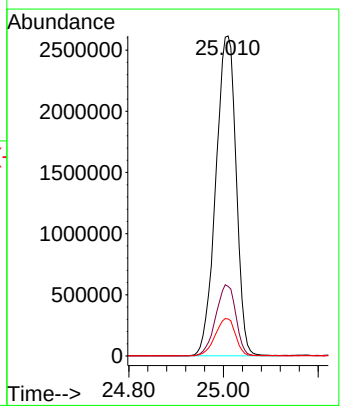


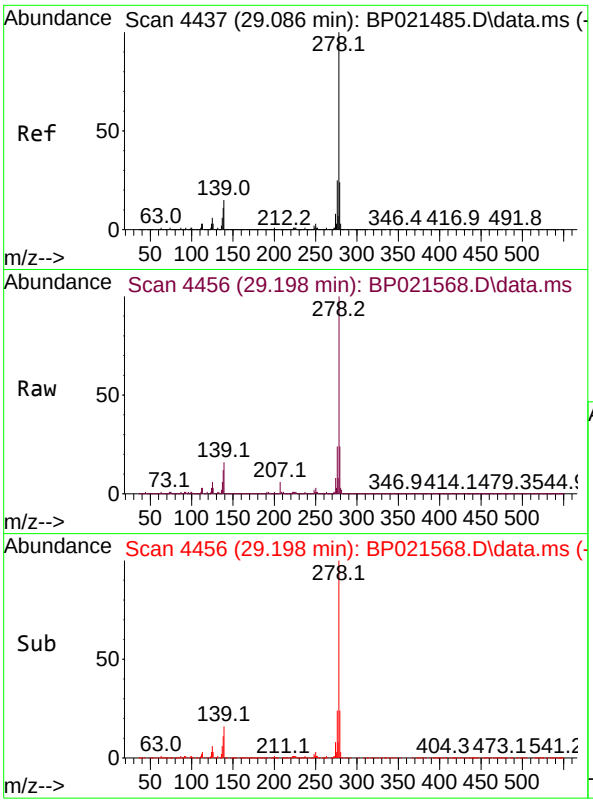


#90
Benzo(a)pyrene
Concen: 54.347 ng
RT: 25.010 min Scan# 3744
Delta R.T. 0.059 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:252 Resp: 7802789

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.6	8.7	13.1

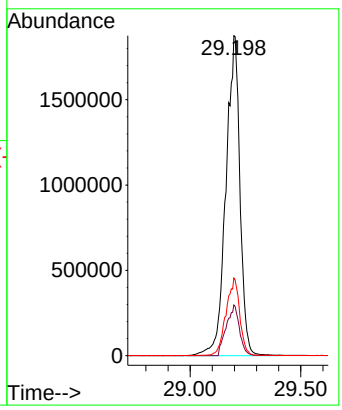




#91
Dibenzo(a,h)anthracene
Concen: 53.260 ng
RT: 29.198 min Scan# 4
Delta R.T. 0.112 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

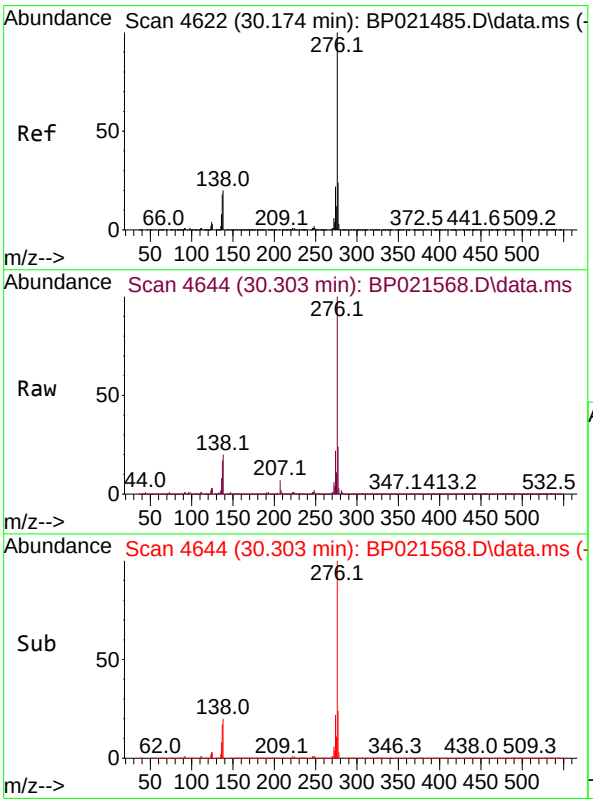
Tgt Ion:278 Resp: 826341

Ion	Ratio	Lower	Upper
278	100		
139	15.9	12.2	18.4
279	24.2	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
PB162822BS

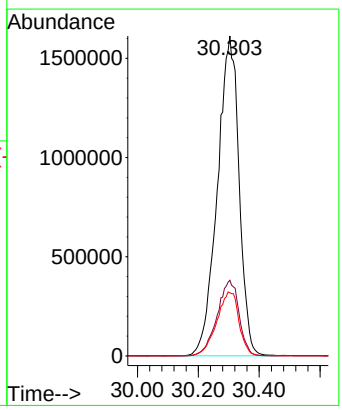
Manual Integrations
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#92
Benzo(g,h,i)perylene
Concen: 51.350 ng
RT: 30.303 min Scan# 4644
Delta R.T. 0.129 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Tgt Ion:276 Resp: 7985298

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	19.8	16.0	24.0



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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162822BSD	SDG No.:	P3657
Lab Sample ID:	PB162822BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
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
BP021569.D	1	08/19/24 09:40	08/20/24 12:13	PB162822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	28.8		1.60	5.00	ug/L
100-52-7	Benzaldehyde	21.4		4.00	10.0	ug/L
95-48-7	2-Methylphenol	48.7		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	50.1		1.20	10.0	ug/L
67-72-1	Hexachloroethane	44.9		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.7		1.30	5.00	ug/L
91-20-3	Naphthalene	43.7		1.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.6		1.30	5.00	ug/L
91-57-6	2-Methylnaphthalene	44.2		1.10	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	57.4		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	55.2		1.00	5.00	ug/L
208-96-8	Acenaphthylene	49.4		1.00	5.00	ug/L
83-32-9	Acenaphthene	51.4		0.81	5.00	ug/L
132-64-9	Dibenzofuran	46.3		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	57.8		1.50	5.00	ug/L
86-73-7	Fluorene	43.6		0.96	5.00	ug/L
118-74-1	Hexachlorobenzene	45.0		1.10	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	47.6		0.89	5.00	ug/L
120-12-7	Anthracene	48.7		1.10	5.00	ug/L
86-74-8	Carbazole	48.9		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.1		1.50	5.00	ug/L
206-44-0	Fluoranthene	46.4		1.30	5.00	ug/L
129-00-0	Pyrene	48.0		1.10	5.00	ug/L
56-55-3	Benzo(a)anthracene	48.7		0.94	5.00	ug/L
218-01-9	Chrysene	48.8		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	53.5		1.90	5.00	ug/L
205-99-2	Benzo(b)fluoranthene	49.6		1.10	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	51.0		1.20	5.00	ug/L

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ	Date Received:	
Client Sample ID:	PB162822BSD	SDG No.:	P3657
Lab Sample ID:	PB162822BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group6
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
BP021569.D	1	08/19/24 09:40	08/20/24 12:13	PB162822

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
50-32-8	Benzo(a)pyrene	54.0		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	53.9		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	53.3		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	50.9		1.20	5.00	ug/L
123-91-1	1,4-Dioxane	28.8		1.30	5.00	ug/L
90-12-0	1-Methylnaphthalene	42.0		0.86	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	137		15 (10) - 110 (139)	91%	SPK: 150
13127-88-3	Phenol-d6	128		15 (10) - 110 (134)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.0		30 (49) - 130 (133)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.2		30 (52) - 130 (132)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		15 (44) - 110 (137)	103%	SPK: 150
1718-51-0	Terphenyl-d14	88.7		30 (48) - 130 (125)	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	491000	7.805			
1146-65-2	Naphthalene-d8	2020000	10.593			
15067-26-2	Acenaphthene-d10	1320000	14.457			
1517-22-2	Phenanthrene-d10	2800000	17.269			
1719-03-5	Chrysene-d12	2520000	21.739			
1520-96-3	Perylene-d12	2790000	25.186			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021569.D
Acq On : 20 Aug 2024 12:13
Operator : RC/JU
Sample : PB162822BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 12:41:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.805	152	491039	20.000	ng		0.00
21) Naphthalene-d8	10.593	136	2018197	20.000	ng		0.00
39) Acenaphthene-d10	14.457	164	1318739	20.000	ng		0.00
64) Phenanthrene-d10	17.269	188	2796133	20.000	ng		0.02
76) Chrysene-d12	21.739	240	2515502	20.000	ng		0.04
86) Perylene-d12	25.186	264	2791666	20.000	ng		0.08
System Monitoring Compounds							
5) 2-Fluorophenol	5.411	112	4528303	136.932	ng		0.02
7) Phenol-d6	6.975	99	6165876	127.814	ng		0.01
23) Nitrobenzene-d5	8.958	82	3635318	92.973	ng		0.00
42) 2,4,6-Tribromophenol	15.975	330	2257963	153.843	ng		0.00
45) 2-Fluorobiphenyl	13.063	172	6931075	80.212	ng		0.00
79) Terphenyl-d14	19.992	244	11484368	88.694	ng		0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.323	88	451297	28.781	ng		99
3) Pyridine	3.717	79	1261547m	28.820	ng		
4) n-Nitrosodimethylamine	3.623	42	558739	42.467	ng		93
6) Aniline	7.134	93	1298454	26.924	ng		96
8) 2-Chlorophenol	7.375	128	1596706	52.247	ng		94
9) Benzaldehyde	6.946	77	660523m	21.385	ng		
10) Phenol	7.005	94	2374061	47.524	ng		96
11) bis(2-Chloroethyl)ether	7.228	93	1760124	41.640	ng		96
12) 1,3-Dichlorobenzene	7.699	146	1573718	43.352	ng		97
13) 1,4-Dichlorobenzene	7.840	146	1603764	43.753	ng		98
14) 1,2-Dichlorobenzene	8.158	146	1559102	44.137	ng		100
15) Benzyl Alcohol	8.040	79	1626253	46.983	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.322	45	1647523	42.324	ng		97
17) 2-Methylphenol	8.240	107	1536652	48.658	ng		97
18) Hexachloroethane	8.881	117	659730	44.883	ng		99
19) n-Nitroso-di-n-propyla...	8.605	70	1249300	37.490	ng		95
20) 3+4-Methylphenols	8.569	107	2134400	50.123	ng		98
22) Acetophenone	8.622	105	2456033	39.612	ng	#	98
24) Nitrobenzene	8.999	77	1897954	44.692	ng		92
25) Isophorone	9.522	82	3709853	40.161	ng		97
26) 2-Nitrophenol	9.705	139	792325	63.370	ng		93
27) 2,4-Dimethylphenol	9.763	122	1213284	53.222	ng		97
28) bis(2-Chloroethoxy)met...	10.005	93	2367345	41.984	ng		99
29) 2,4-Dichlorophenol	10.240	162	1480451	54.964	ng		97
30) 1,2,4-Trichlorobenzene	10.458	180	1492819	43.230	ng		98
31) Naphthalene	10.646	128	4603512	43.664	ng		100
32) Benzoic acid	9.922	122	1217860	69.039	ng		93
33) 4-Chloroaniline	10.746	127	1119273	28.262	ng		96
34) Hexachlorobutadiene	10.940	225	903824	41.569	ng		98
35) Caprolactam	11.540	113	566372m	50.518	ng		
36) 4-Chloro-3-methylphenol	11.881	107	1952285	52.252	ng		97
37) 2-Methylnaphthalene	12.257	142	3183184	44.238	ng		99
38) 1-Methylnaphthalene	12.481	142	2982545	42.027	ng		99
40) 1,2,4,5-Tetrachloroben...	12.634	216	1566485	40.541	ng		99
41) Hexachlorocyclopentadiene	12.616	237	1393597	113.798	ng		98
43) 2,4,6-Trichlorophenol	12.869	196	1231858	57.393	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP082024\
Data File : BP021569.D
Acq On : 20 Aug 2024 12:13
Operator : RC/JU
Sample : PB162822BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 20 12:41:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.952	196	1315468	55.163	ng		96
46) 1,1'-Biphenyl	13.275	154	3776973	40.481	ng		98
47) 2-Chloronaphthalene	13.316	162	3185536	43.854	ng		99
48) 2-Nitroaniline	13.516	65	1126118	54.530	ng	#	86
49) Acenaphthylene	14.175	152	5275845	49.407	ng		100
50) Dimethylphthalate	13.910	163	4233153	47.933	ng		100
51) 2,6-Dinitrotoluene	14.016	165	940351	52.381	ng		91
52) Acenaphthene	14.522	154	3601366m	51.401	ng		
53) 3-Nitroaniline	14.346	138	775492	44.582	ng	#	90
54) 2,4-Dinitrophenol	14.569	184	965462	121.666	ng	#	85
55) Dibenzofuran	14.863	168	4988509	46.284	ng		99
56) 4-Nitrophenol	14.669	139	1714088	114.676	ng		87
57) 2,4-Dinitrotoluene	14.816	165	1335111	57.774	ng		89
58) Fluorene	15.528	166	3864218	43.641	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.087	232	1185204	58.555	ng		99
60) Diethylphthalate	15.304	149	4259031	47.002	ng		99
61) 4-Chlorophenyl-phenyle...	15.516	204	1966279	42.961	ng		98
62) 4-Nitroaniline	15.534	138	951854	52.570	ng		91
63) Azobenzene	15.822	77	4620647	41.483	ng		95
65) 4,6-Dinitro-2-methylph...	15.598	198	702004	70.723	ng		96
66) n-Nitrosodiphenylamine	15.740	169	3529833	47.107	ng		99
67) 4-Bromophenyl-phenylether	16.434	248	1341601	45.335	ng		99
68) Hexachlorobenzene	16.557	284	1574085	45.010	ng		99
69) Atrazine	16.716	200	1144071	44.470	ng		99
70) Pentachlorophenol	16.910	266	2107986	110.436	ng		99
71) Phenanthrene	17.310	178	6401785	47.607	ng		100
72) Anthracene	17.398	178	6424495	48.715	ng		99
73) Carbazole	17.675	167	6219869	48.939	ng		99
74) Di-n-butylphthalate	18.292	149	7501228	48.058	ng		100
75) Fluoranthene	19.398	202	7658708	46.418	ng		99
77) Benzidine	19.586	184	1654718	28.295	ng		100
78) Pyrene	19.781	202	7888730	47.980	ng		100
80) Butylbenzylphthalate	20.722	149	3397196	53.957	ng		95
81) Benzo(a)anthracene	21.716	228	7693671	48.721	ng		99
82) 3,3'-Dichlorobenzidine	21.633	252	2315165	45.726	ng		99
83) Chrysene	21.792	228	7276214	48.803	ng		99
84) Bis(2-ethylhexyl)phtha...	21.675	149	4995239	53.521	ng		100
85) Di-n-octyl phthalate	22.992	149	8711748	52.619	ng		97
87) Indeno(1,2,3-cd)pyrene	29.104	276	9758827	53.928	ng		97
88) Benzo(b)fluoranthene	24.098	252	7945368	49.556	ng		100
89) Benzo(k)fluoranthene	24.180	252	7973591m	50.980	ng		
90) Benzo(a)pyrene	25.033	252	7515255	54.014	ng		99
91) Dibenzo(a,h)anthracene	29.192	278	8019357	53.335	ng		99
92) Benzo(g,h,i)perylene	30.327	276	7676781	50.941	ng		98

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

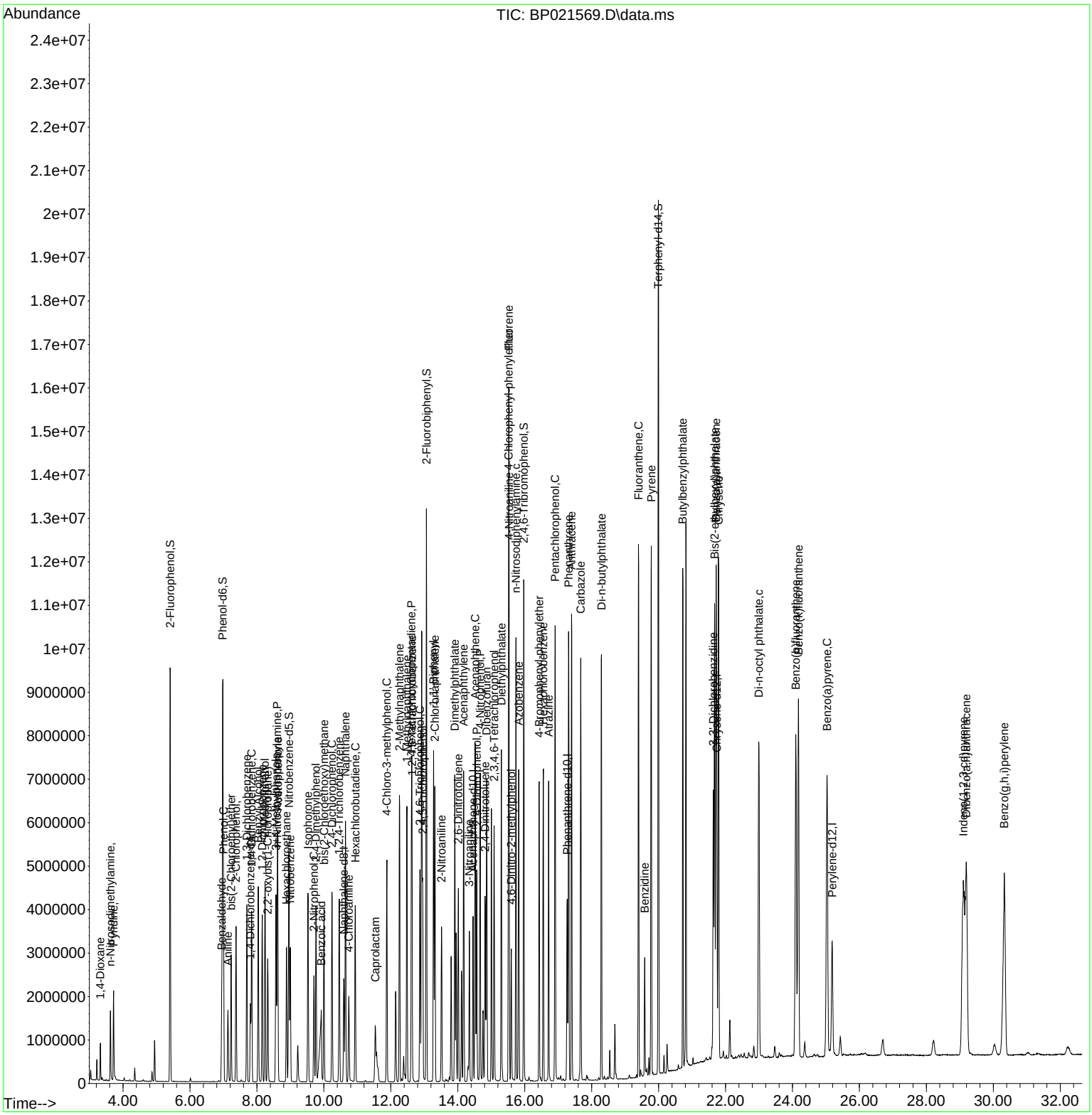
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Data File : BP021569.D
Acq On : 20 Aug 2024 12:13
Operator : RC/JU
Sample : PB162822BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

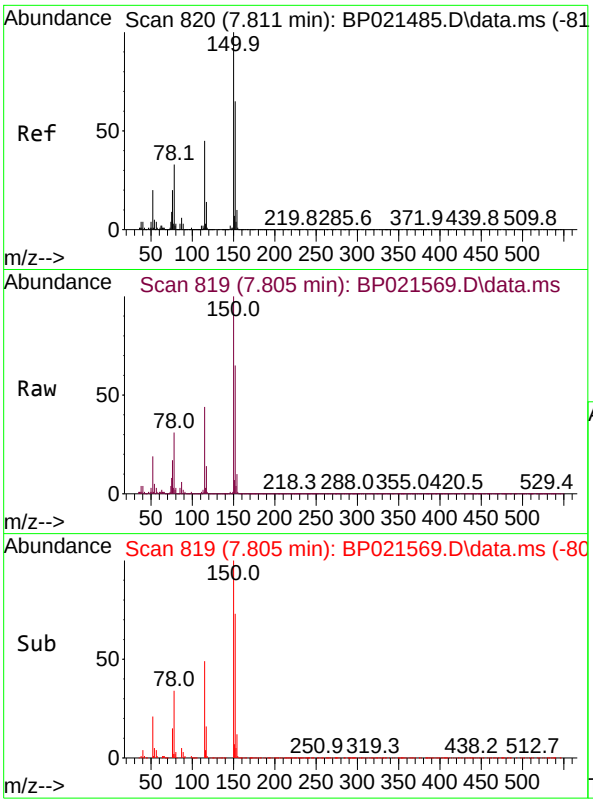
Quant Time: Aug 20 12:41:50 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP081324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 14 00:00:30 2024
Response via : Initial Calibration

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

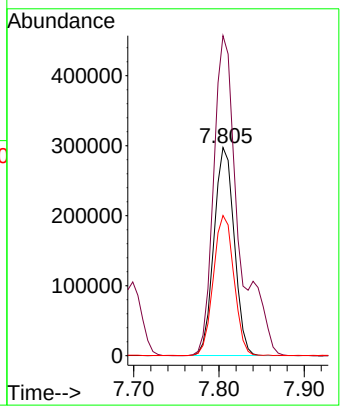




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 8
Delta R.T. -0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

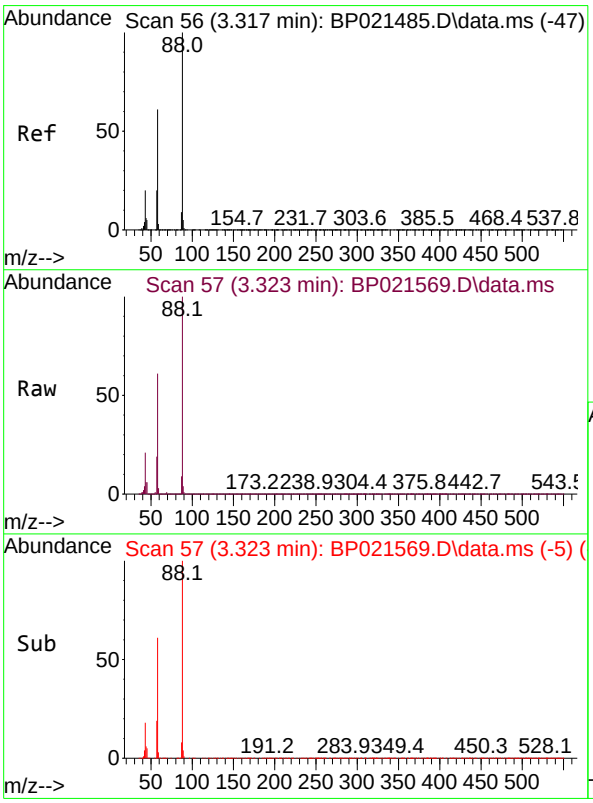
Tgt Ion:152 Resp: 49103

Ion	Ratio	Lower	Upper
152	100		
150	153.8	122.4	183.6
115	67.4	54.7	82.1



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

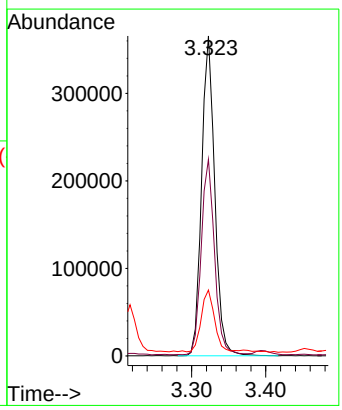
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

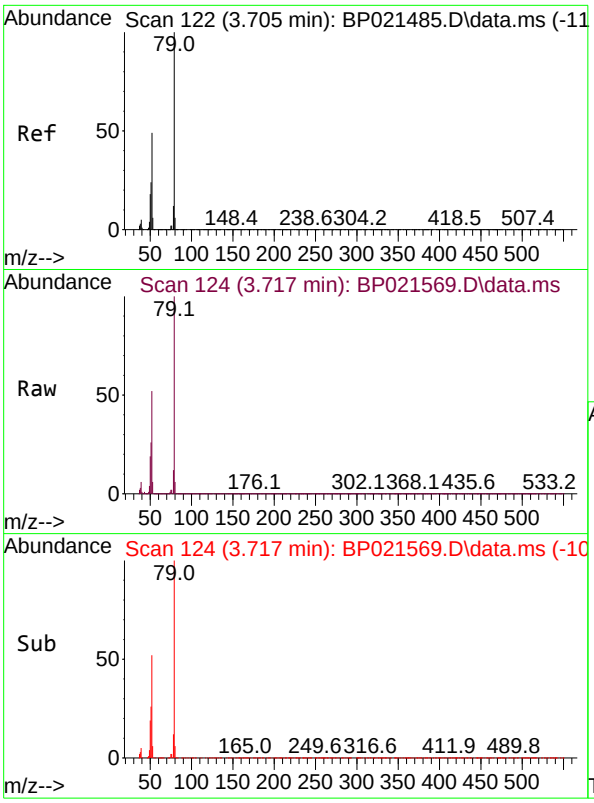


#2
1,4-Dioxane
Concen: 28.781 ng
RT: 3.323 min Scan# 57
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 88 Resp: 451297

Ion	Ratio	Lower	Upper
88	100		
58	61.9	48.7	73.1
43	19.9	15.4	23.2

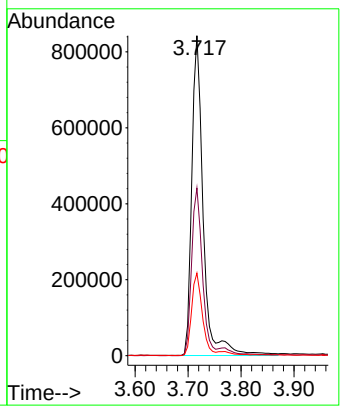




#3
Pyridine
Concen: 28.820 ng m
RT: 3.717 min Scan# 1
Delta R.T. 0.012 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 79 Resp: 126154

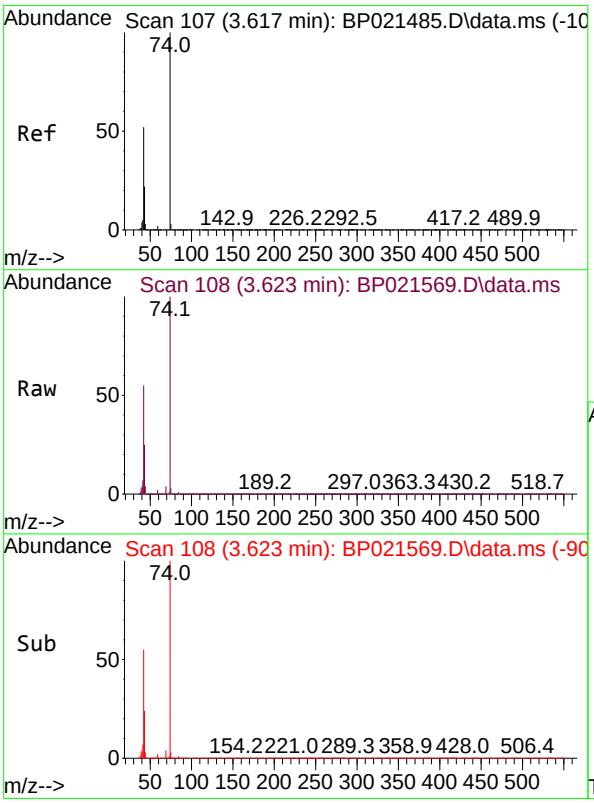
Ion	Ratio	Lower	Upper
79	100		
52	52.4	39.0	58.6
51	25.8	19.2	28.8



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
APPROVED

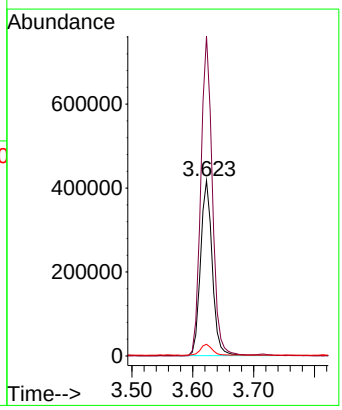
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

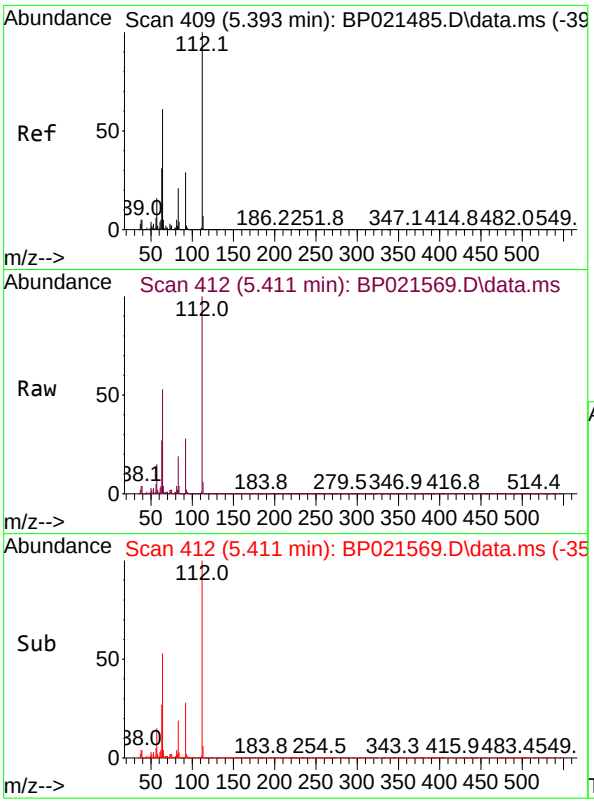


#4
n-Nitrosodimethylamine
Concen: 42.467 ng
RT: 3.623 min Scan# 108
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 42 Resp: 558739

Ion	Ratio	Lower	Upper
42	100		
74	182.4	154.3	231.5
44	6.7	6.2	9.4

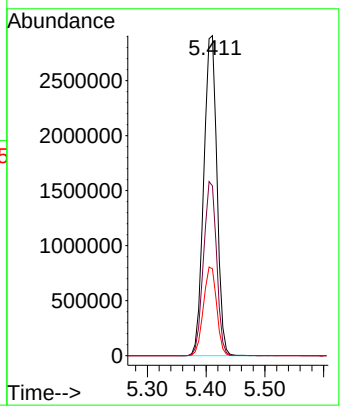




#5
2-Fluorophenol
Concen: 136.932 ng
RT: 5.411 min Scan# 41
Delta R.T. 0.018 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:112 Resp: 452830

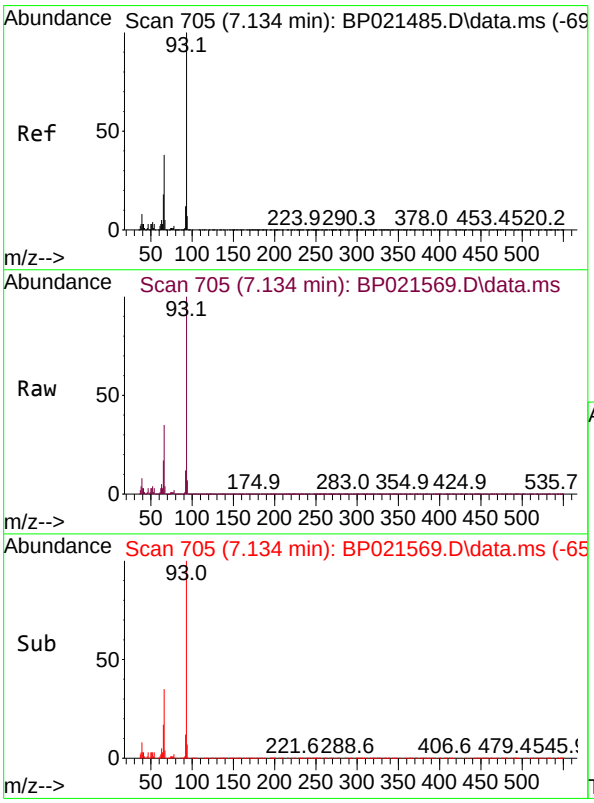
Ion	Ratio	Lower	Upper
112	100		
64	53.0	49.0	73.6
63	27.2	24.6	36.8



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
APPROVED

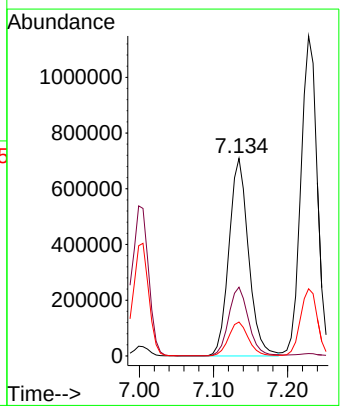
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

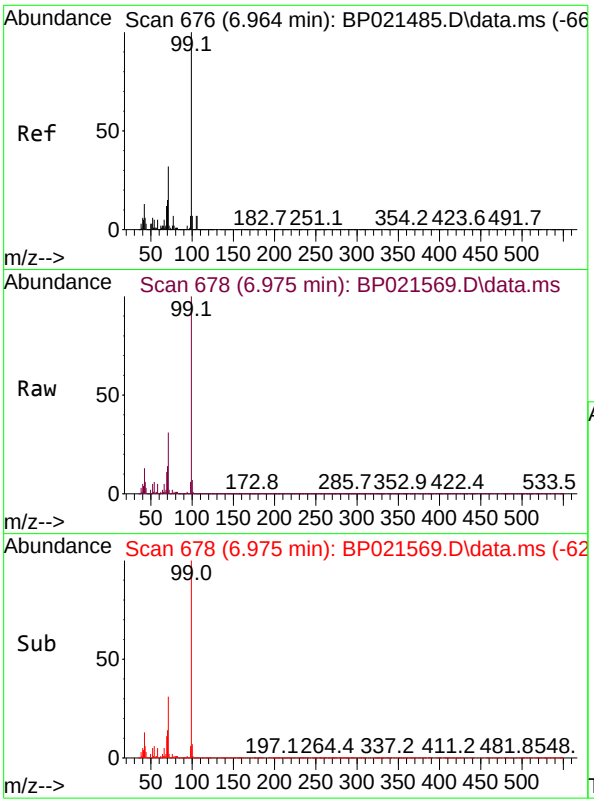


#6
Aniline
Concen: 26.924 ng
RT: 7.134 min Scan# 705
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 93 Resp: 1298454

Ion	Ratio	Lower	Upper
93	100		
66	34.9	30.2	45.2
65	17.2	14.7	22.1

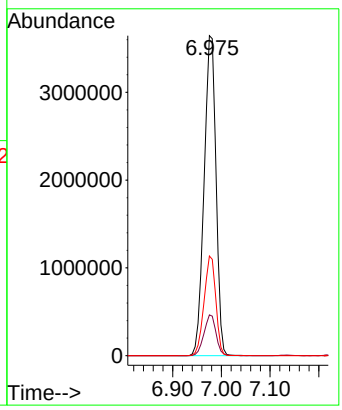




#7
Phenol-d6
Concen: 127.814 ng
RT: 6.975 min Scan# 6
Delta R.T. 0.012 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 99 Resp: 616587

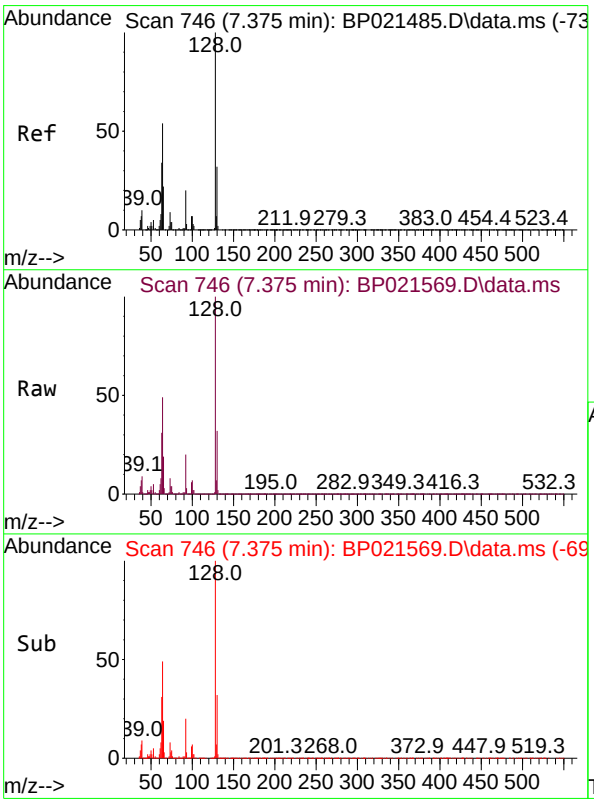
Ion	Ratio	Lower	Upper
99	100		
42	12.7	10.2	15.4
71	31.1	25.8	38.8



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
APPROVED

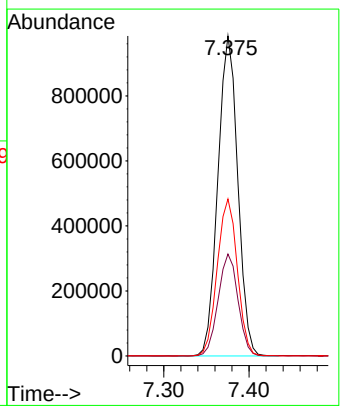
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

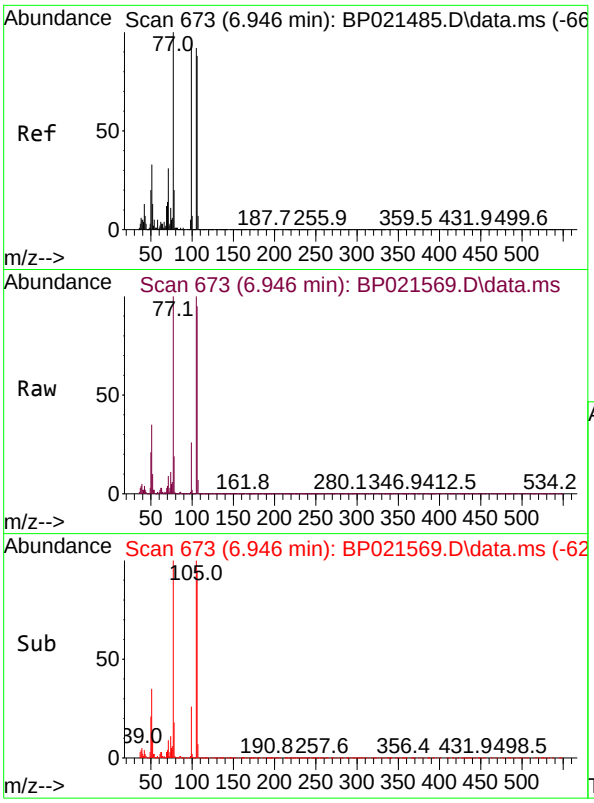


#8
2-Chlorophenol
Concen: 52.247 ng
RT: 7.375 min Scan# 746
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:128 Resp: 1596706

Ion	Ratio	Lower	Upper
128	100		
130	31.9	11.6	51.6
64	49.1	35.3	75.3

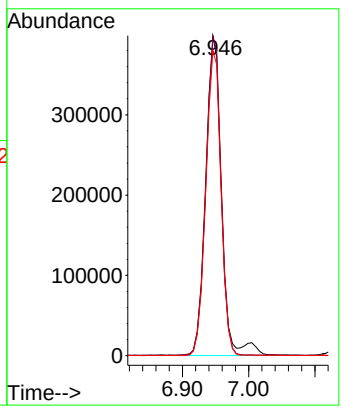




#9
Benzaldehyde
Concen: 21.385 ng m
RT: 6.946 min Scan# 6
Delta R.T. -0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 77 Resp: 66052

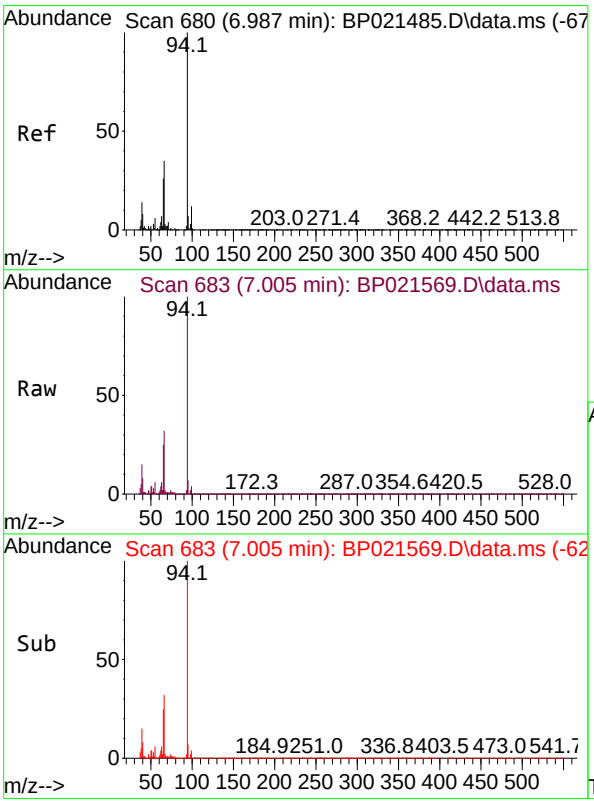
Ion	Ratio	Lower	Upper
77	100		
105	100.3	72.1	112.1
106	95.5	67.9	107.9



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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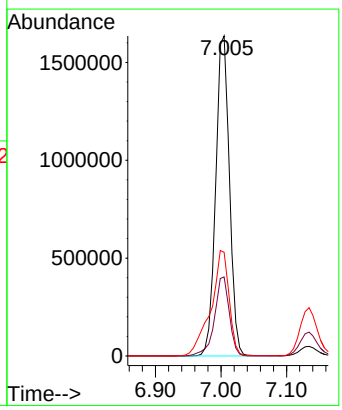
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

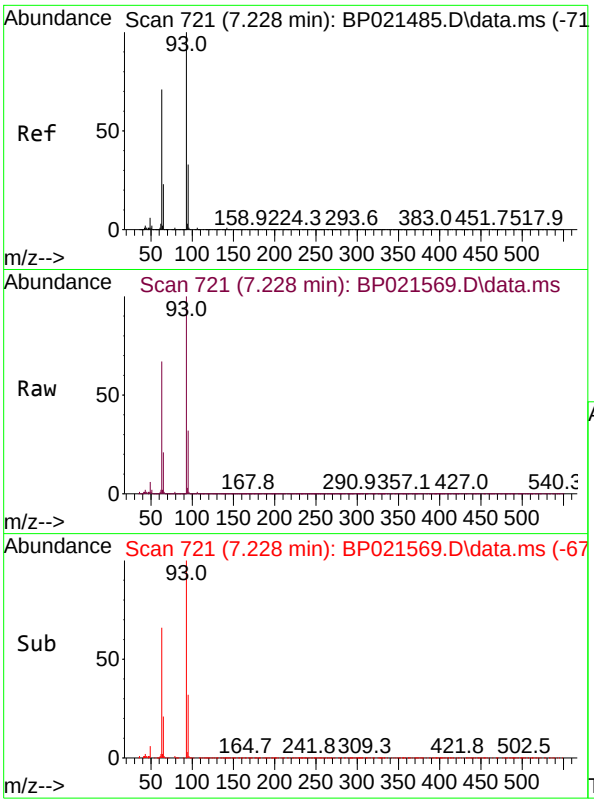


#10
Phenol
Concen: 47.524 ng
RT: 7.005 min Scan# 683
Delta R.T. 0.018 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 94 Resp: 2374061

Ion	Ratio	Lower	Upper
94	100		
65	24.7	6.5	46.5
66	32.4	14.7	54.7

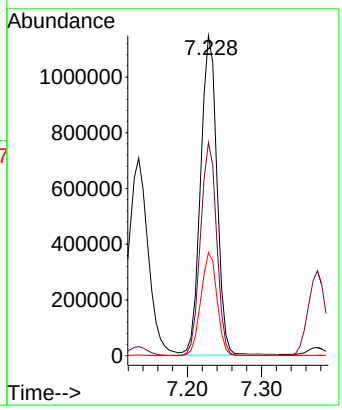




#11
bis(2-Chloroethyl)ether
Concen: 41.640 ng
RT: 7.228 min Scan# 7
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 93 Resp: 176012

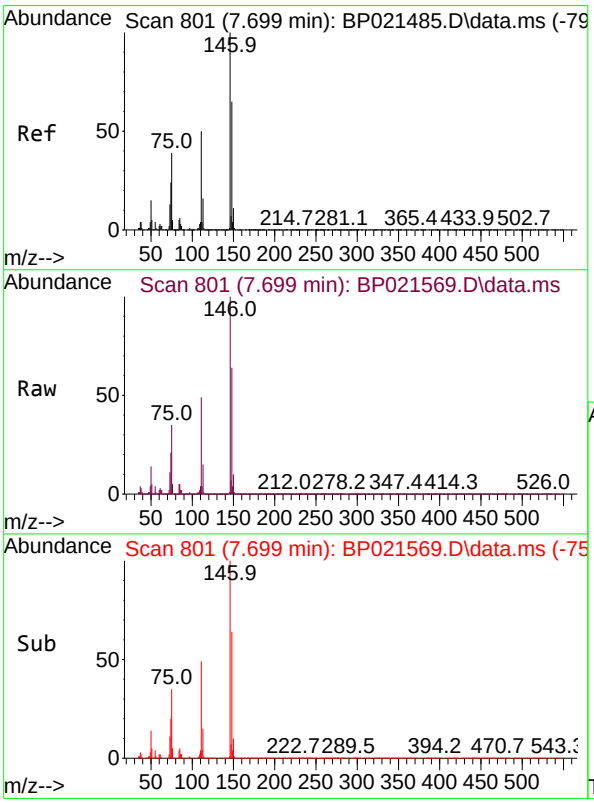
Ion	Ratio	Lower	Upper
93	100		
63	66.6	51.0	91.0
95	32.3	12.9	52.9



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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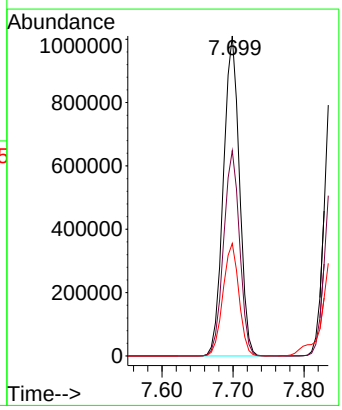
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

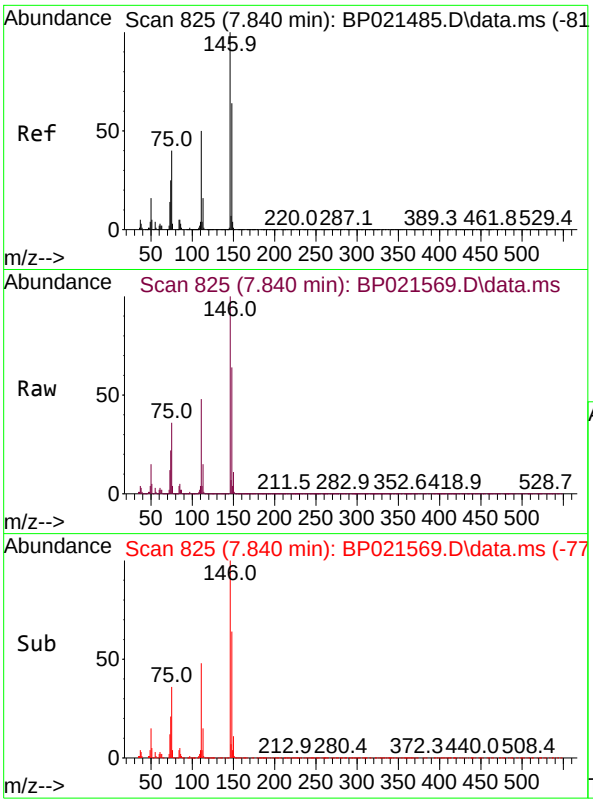


#12
1,3-Dichlorobenzene
Concen: 43.352 ng
RT: 7.699 min Scan# 801
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:146 Resp: 1573718

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.8	77.6
75	35.1	31.3	46.9





#13
1,4-Dichlorobenzene
Concen: 43.753 ng
RT: 7.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

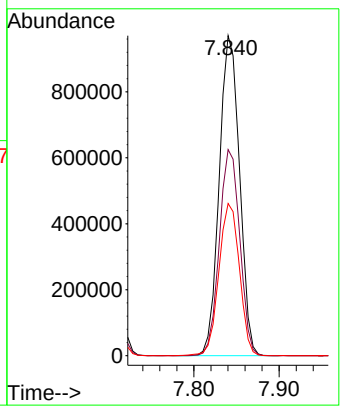
Tgt Ion:146 Resp: 160376

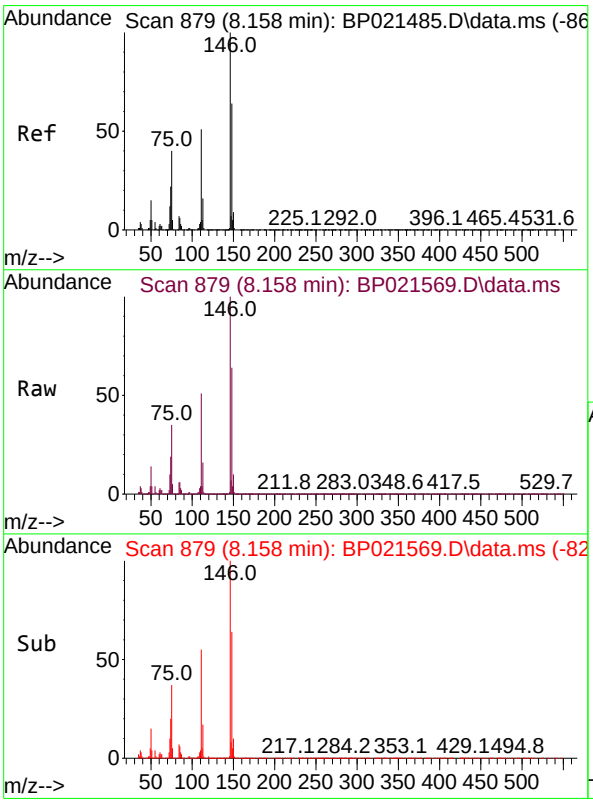
Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	47.5	40.3	60.5

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

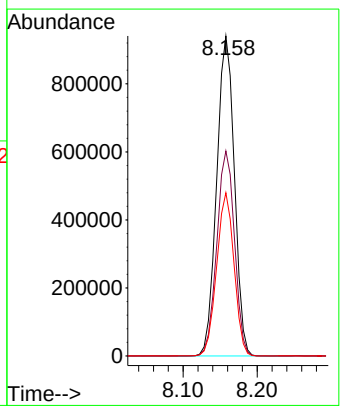


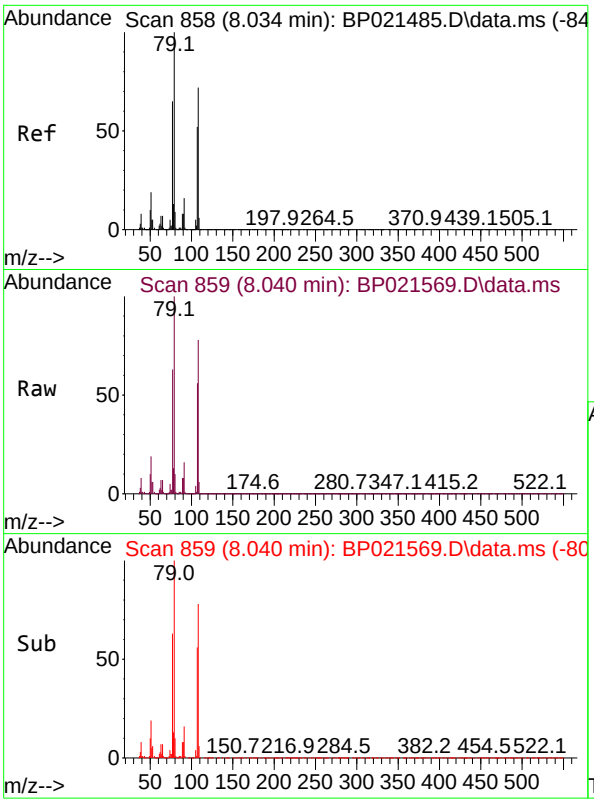


#14
1,2-Dichlorobenzene
Concen: 44.137 ng
RT: 8.158 min Scan# 879
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:146 Resp: 1559102

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.5	77.3
111	51.0	41.1	61.7

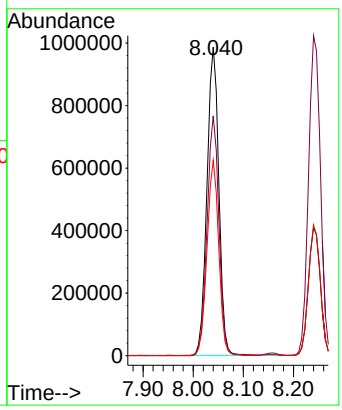




#15
Benzyl Alcohol
Concen: 46.983 ng
RT: 8.040 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 79 Resp: 162625

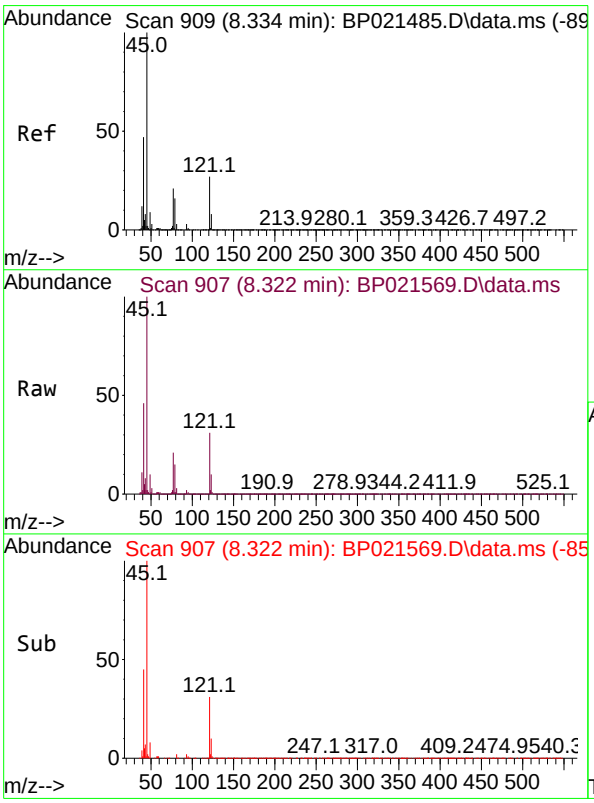
Ion	Ratio	Lower	Upper
79	100		
108	77.7	57.9	86.9
77	63.3	51.8	77.8



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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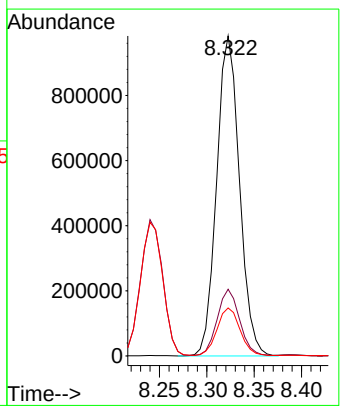
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

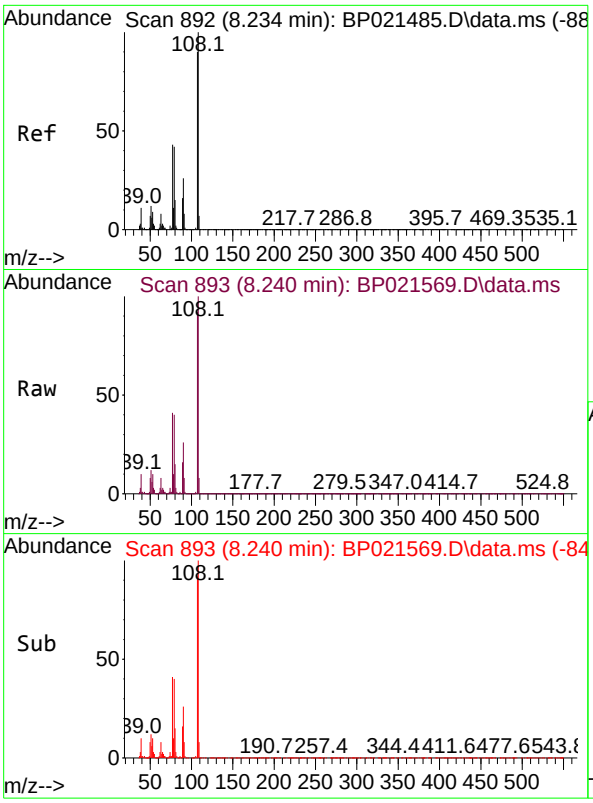


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.324 ng
RT: 8.322 min Scan# 907
Delta R.T. -0.012 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 45 Resp: 1647523

Ion	Ratio	Lower	Upper
45	100		
77	20.8	1.9	41.9
79	15.0	0.0	36.6

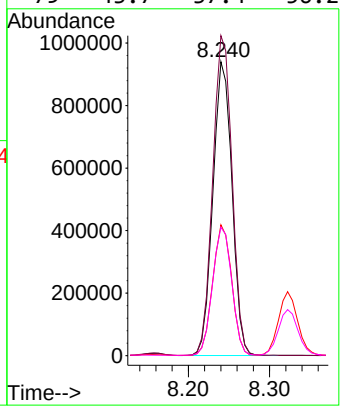




#17
2-Methylphenol
Concen: 48.658 ng
RT: 8.240 min Scan# 8
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:107 Resp: 153665

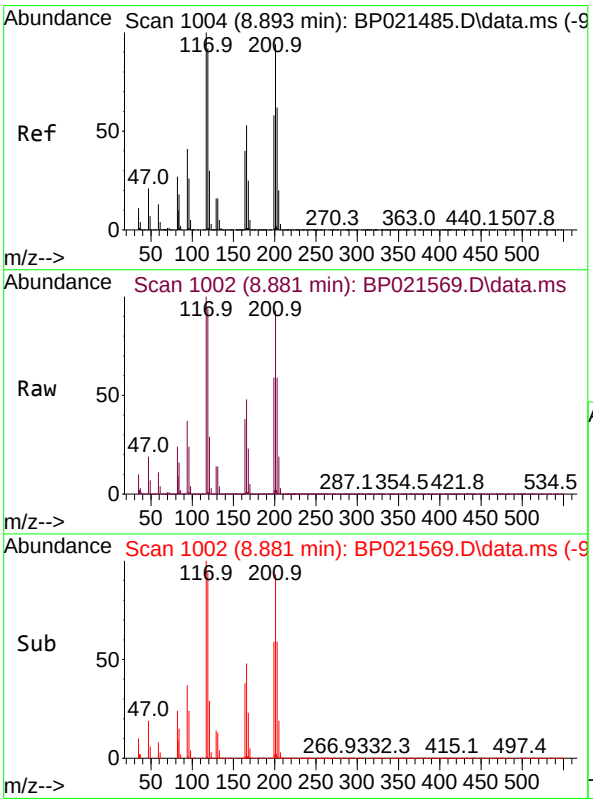
Ion	Ratio	Lower	Upper
107	100		
108	108.9	88.8	133.2
77	44.5	38.7	58.1
79	43.7	37.4	56.2



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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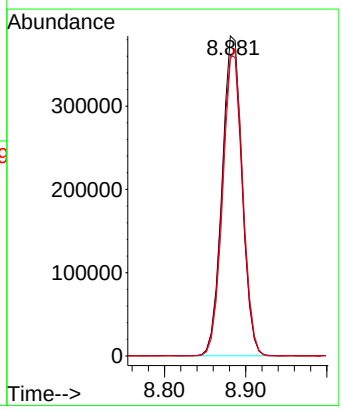
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

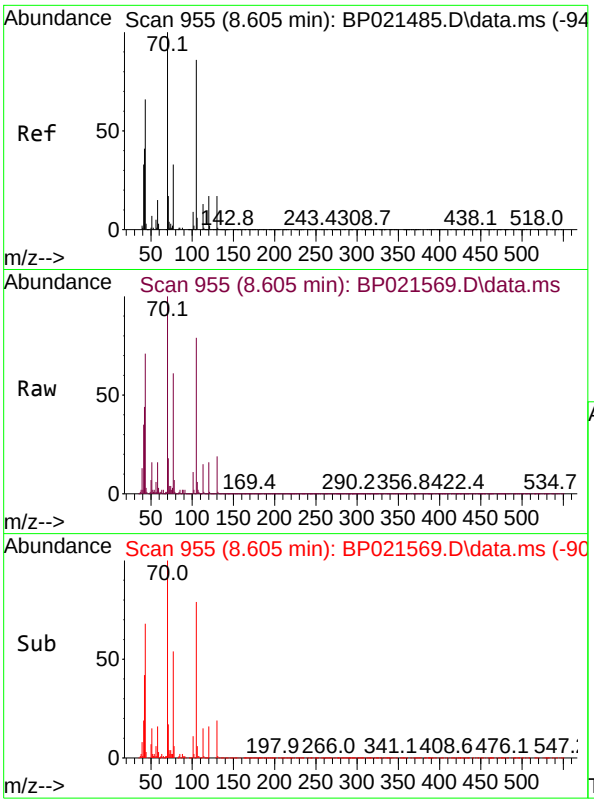


#18
Hexachloroethane
Concen: 44.883 ng
RT: 8.881 min Scan# 1002
Delta R.T. -0.012 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:117 Resp: 659730

Ion	Ratio	Lower	Upper
117	100		
119	94.0	73.9	110.9
201	92.6	74.9	112.3

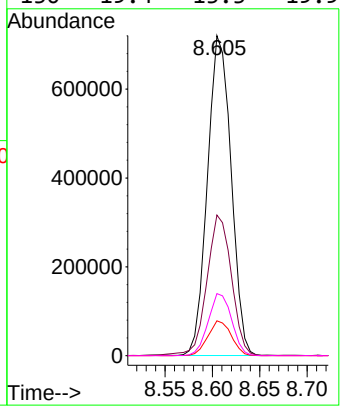




#19
n-Nitroso-di-n-propylamine
Concen: 37.490 ng
RT: 8.605 min Scan# 9
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 70 Resp: 124930

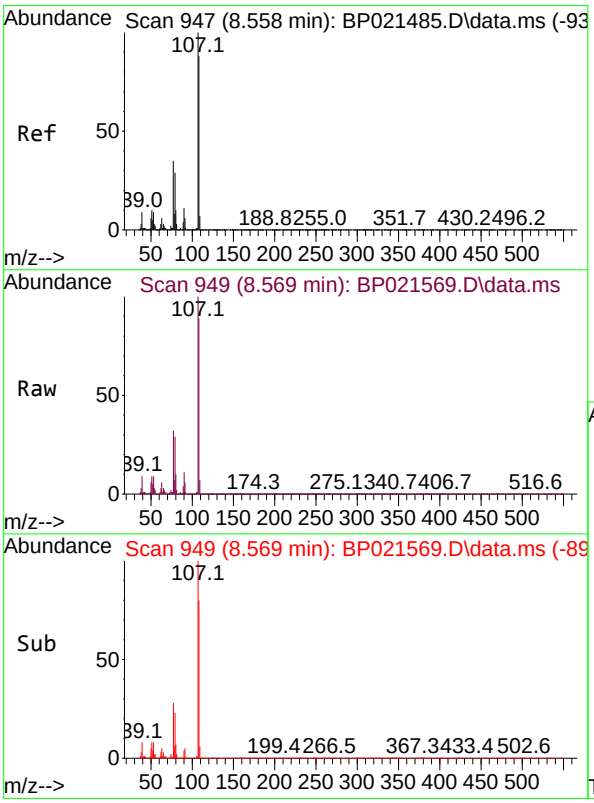
Ion	Ratio	Lower	Upper
70	100		
42	44.0	33.1	49.7
101	10.9	7.4	11.2
130	19.4	13.3	19.9



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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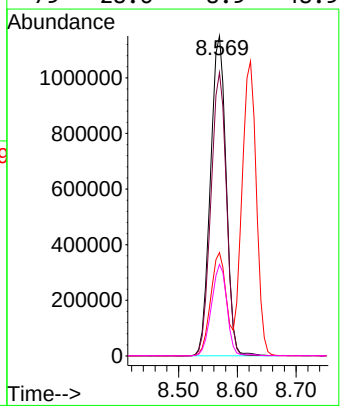
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

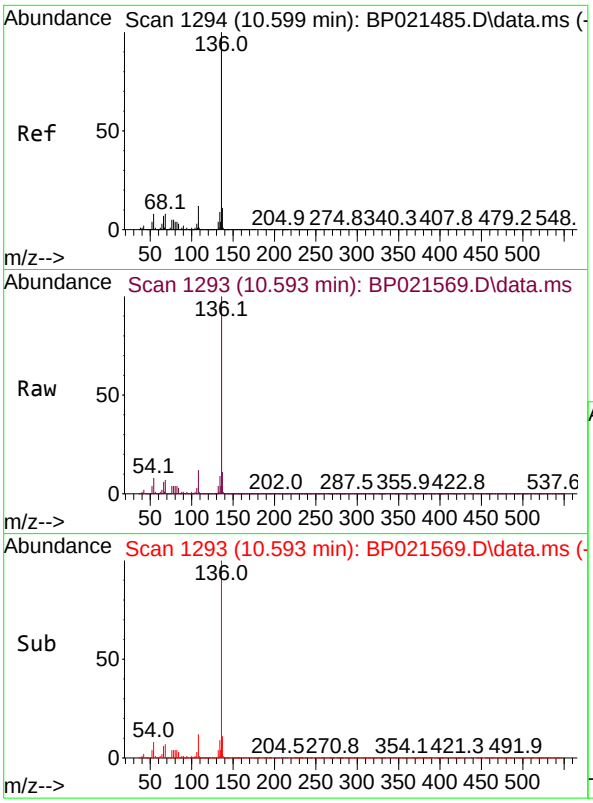


#20
3+4-Methylphenols
Concen: 50.123 ng
RT: 8.569 min Scan# 949
Delta R.T. 0.012 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:107 Resp: 2134400

Ion	Ratio	Lower	Upper
107	100		
108	88.5	67.6	107.6
77	32.3	15.0	55.0
79	28.6	8.9	48.9

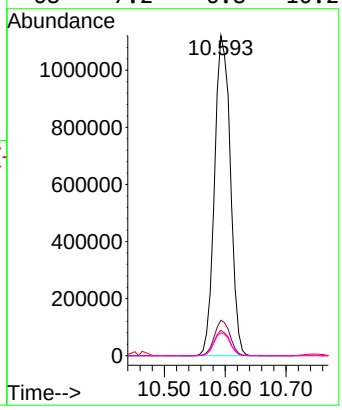




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:136 Resp: 201819

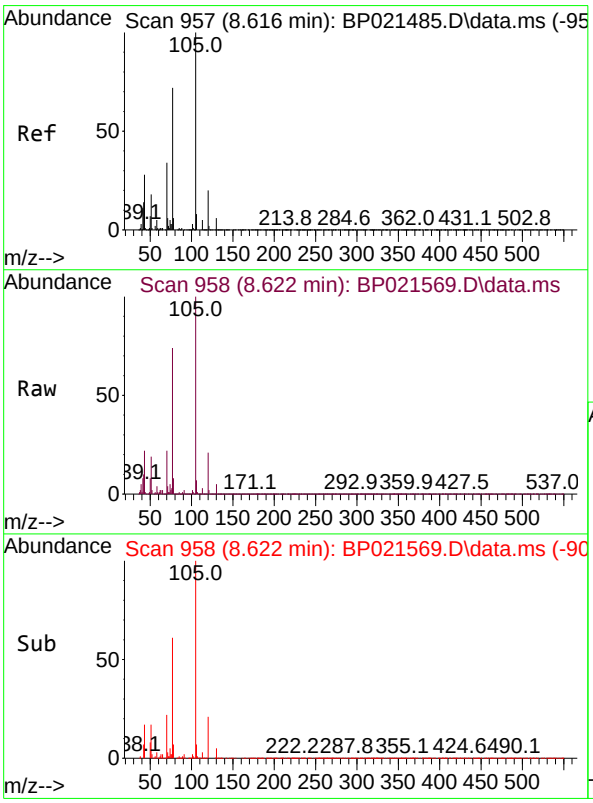
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.9	6.3	9.5
68	7.2	6.8	10.2



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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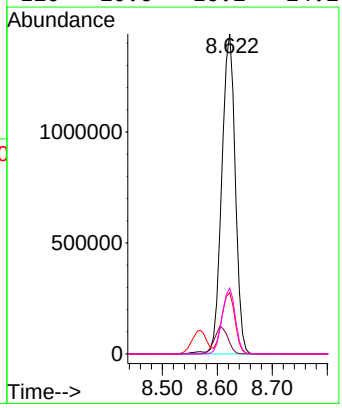
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

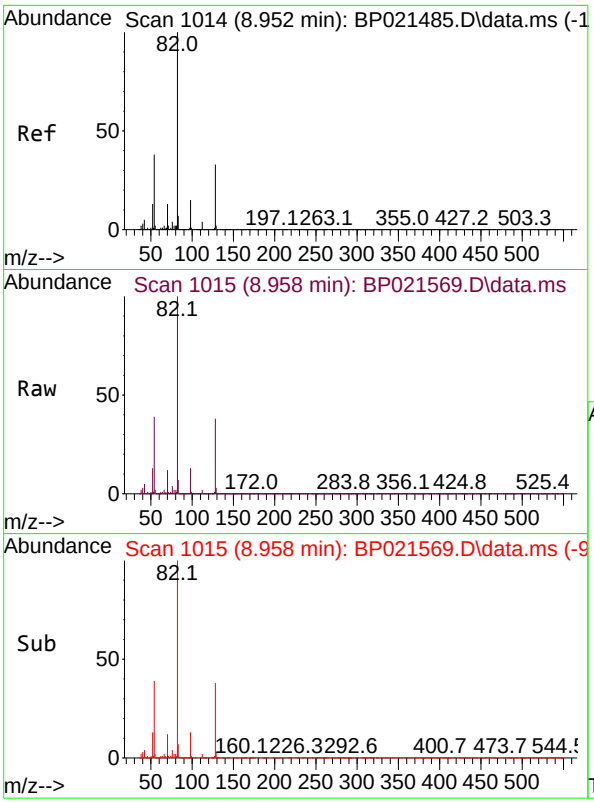


#22
Acetophenone
Concen: 39.612 ng
RT: 8.622 min Scan# 958
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:105 Resp: 2456033

Ion	Ratio	Lower	Upper
105	100		
71	3.5	4.6	7.0#
51	19.2	16.3	24.5
120	20.6	16.2	24.2

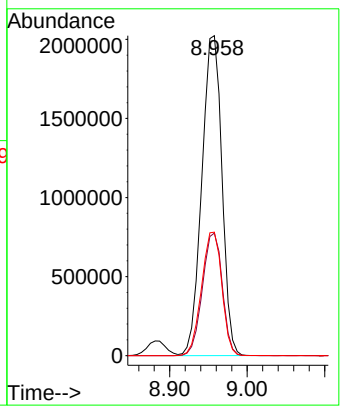




#23
Nitrobenzene-d5
Concen: 92.973 ng
RT: 8.958 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 82 Resp: 363531

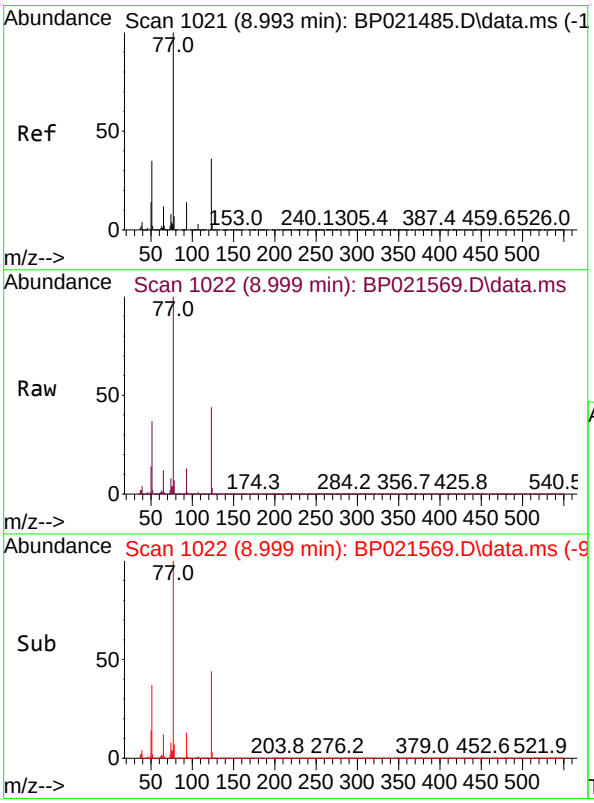
Ion	Ratio	Lower	Upper
82	100		
128	38.3	26.5	39.7
54	38.6	30.3	45.5



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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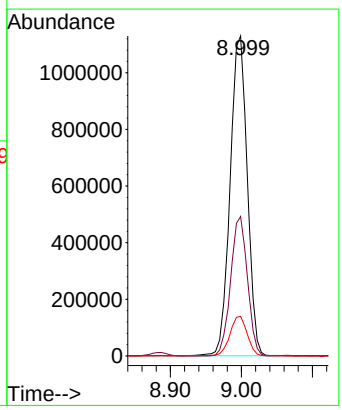
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

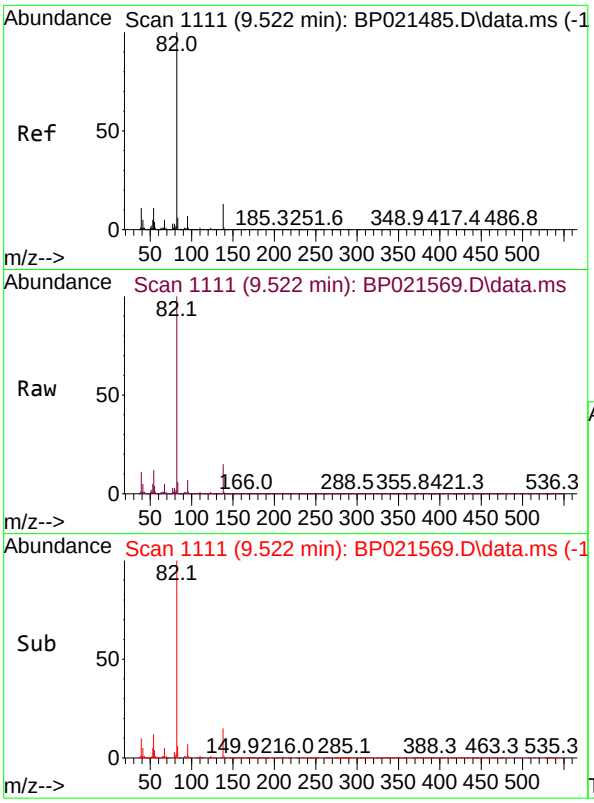


#24
Nitrobenzene
Concen: 44.692 ng
RT: 8.999 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 77 Resp: 1897954

Ion	Ratio	Lower	Upper
77	100		
123	43.6	29.5	44.3
65	12.4	9.9	14.9





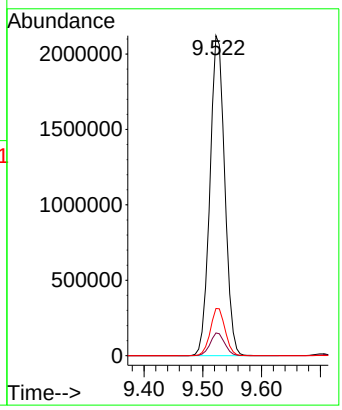
#25
Isophorone
Concen: 40.161 ng
RT: 9.522 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

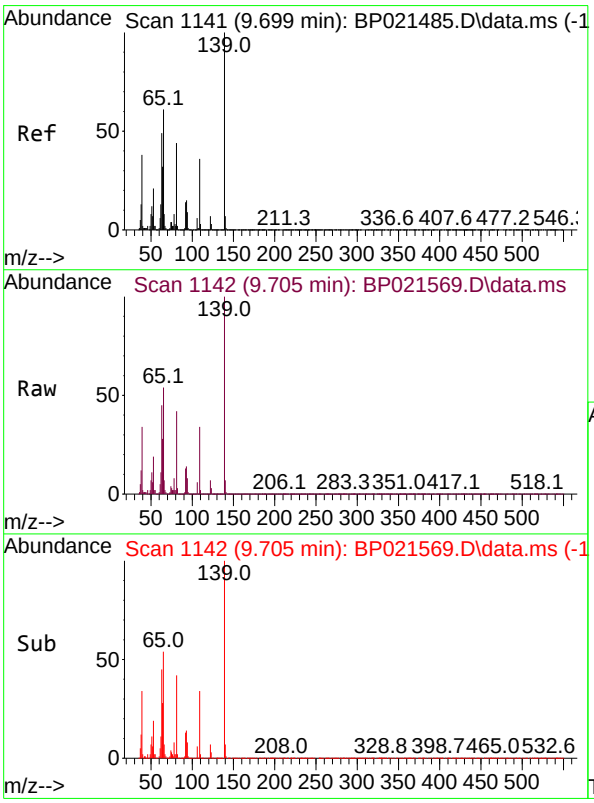
Tgt Ion: 82 Resp: 370985

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.2
138	14.8	10.6	16.0

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

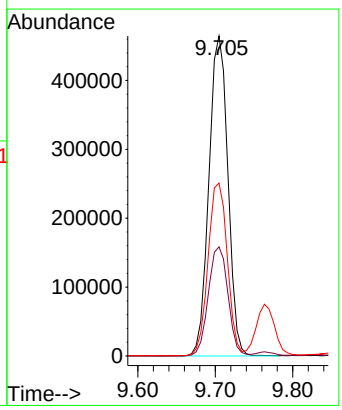


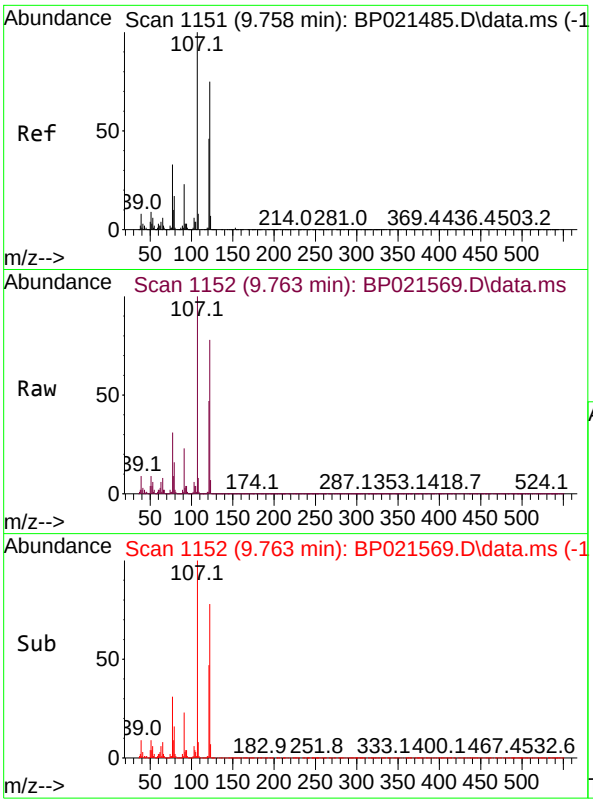


#26
2-Nitrophenol
Concen: 63.370 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:139 Resp: 792325

Ion	Ratio	Lower	Upper
139	100		
109	34.1	28.9	43.3
65	54.1	49.0	73.6





#27
2,4-Dimethylphenol
Concen: 53.222 ng
RT: 9.763 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

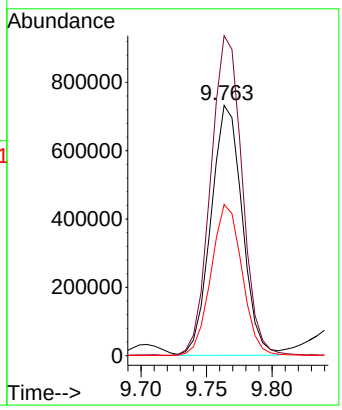
Tgt Ion:122 Resp: 121328

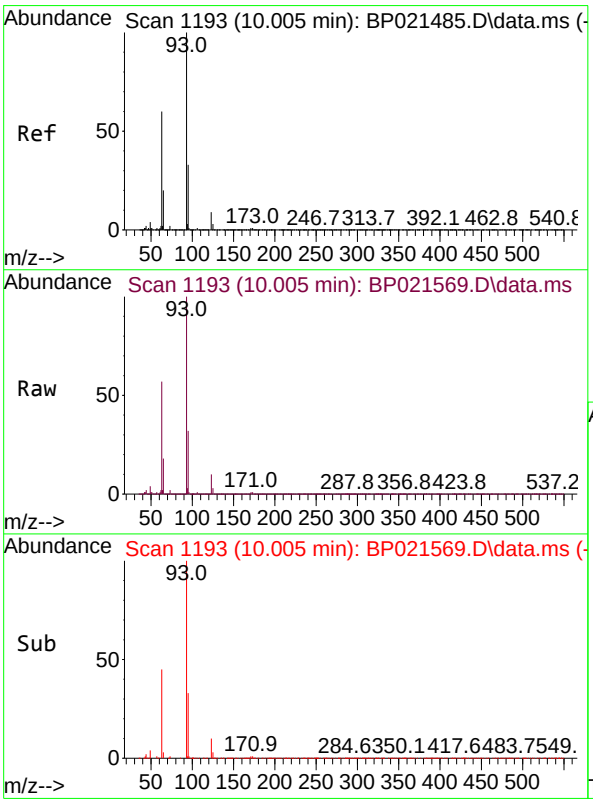
Ion	Ratio	Lower	Upper
122	100		
107	127.8	106.2	159.4
121	60.4	48.8	73.2

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

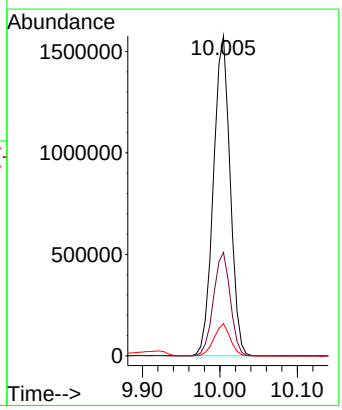


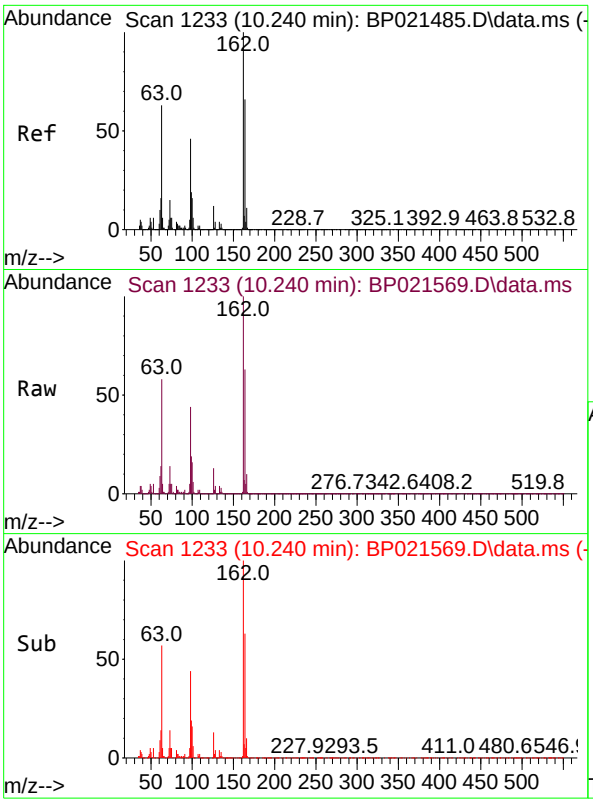


#28
bis(2-Chloroethoxy)methane
Concen: 41.984 ng
RT: 10.005 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 93 Resp: 2367345

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	10.1	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 54.964 ng
RT: 10.240 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

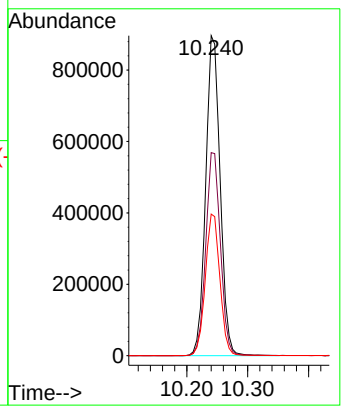
Tgt Ion:162 Resp: 148045

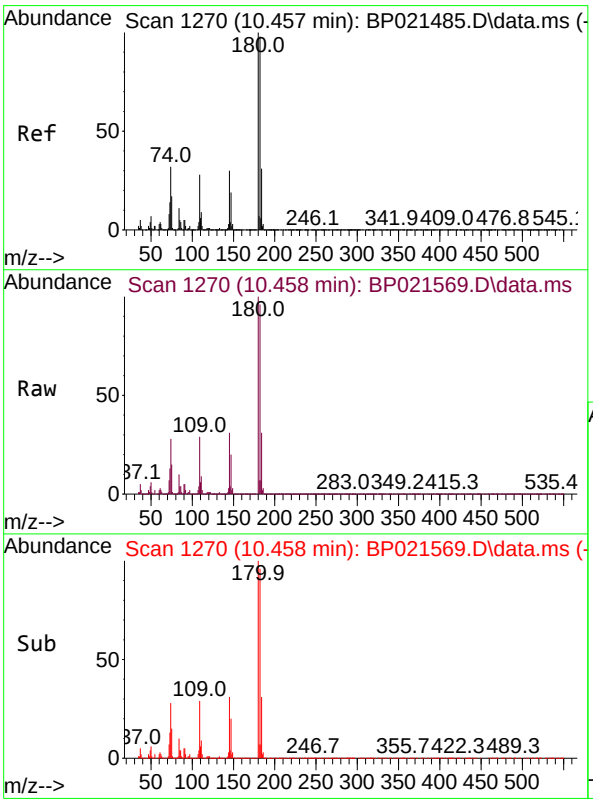
Ion	Ratio	Lower	Upper
162	100		
164	63.5	45.9	85.9
98	44.2	26.3	66.3

Instrument :
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ClientSampleId :
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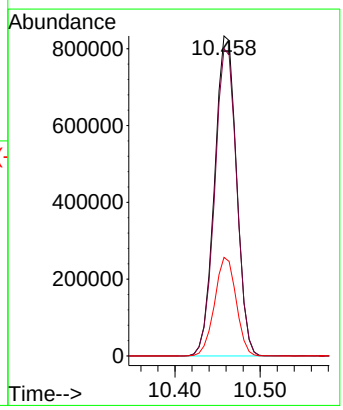


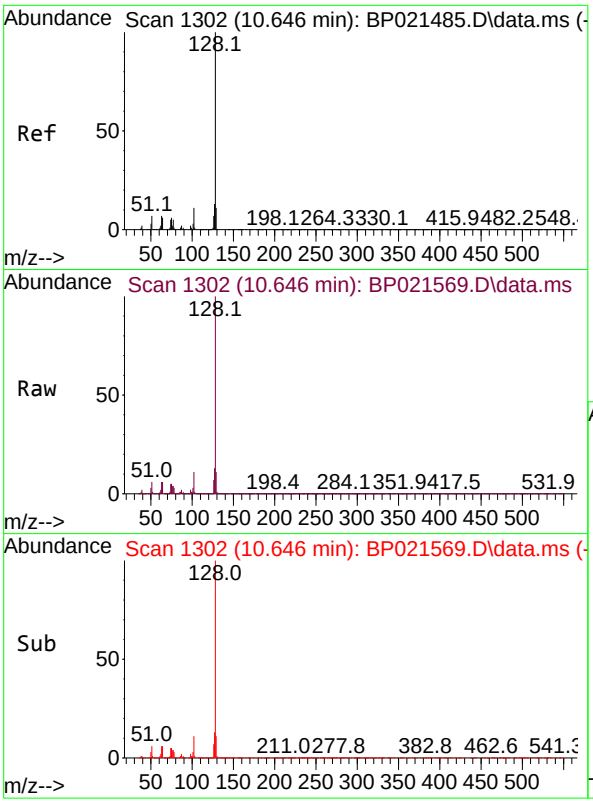


#30
1,2,4-Trichlorobenzene
Concen: 43.230 ng
RT: 10.458 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:180 Resp: 1492819

Ion	Ratio	Lower	Upper
180	100		
182	96.1	78.3	117.5
145	30.8	24.0	36.0

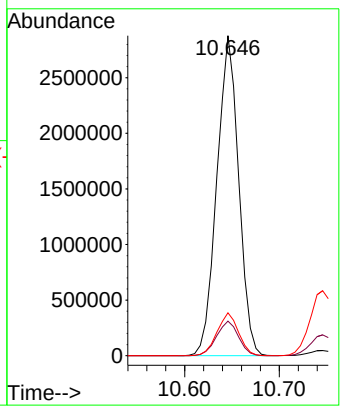




#31
Naphthalene
Concen: 43.664 ng
RT: 10.646 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:128 Resp: 460351

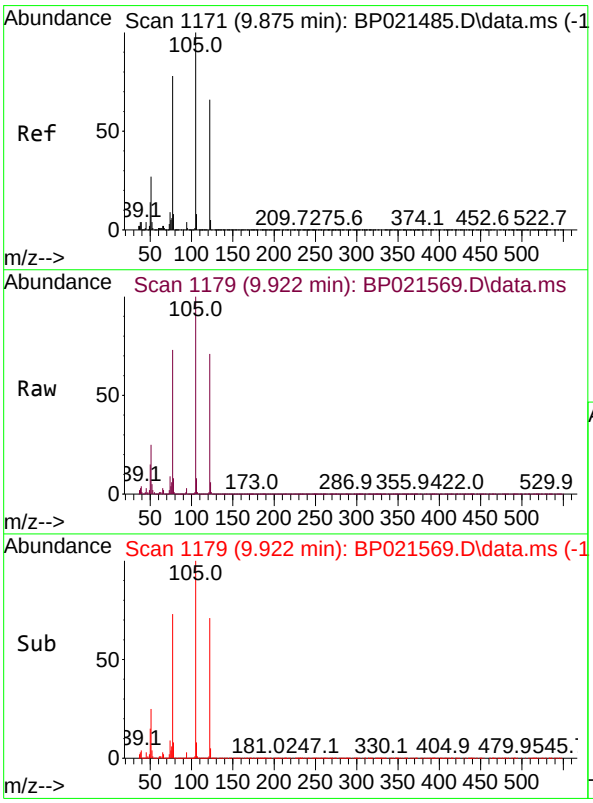
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.6	12.8
127	13.4	10.6	15.8



Instrument :
BNA_P
ClientSampleId :
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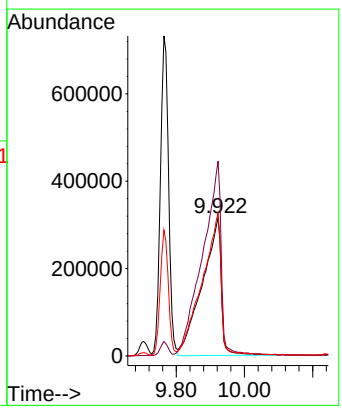
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

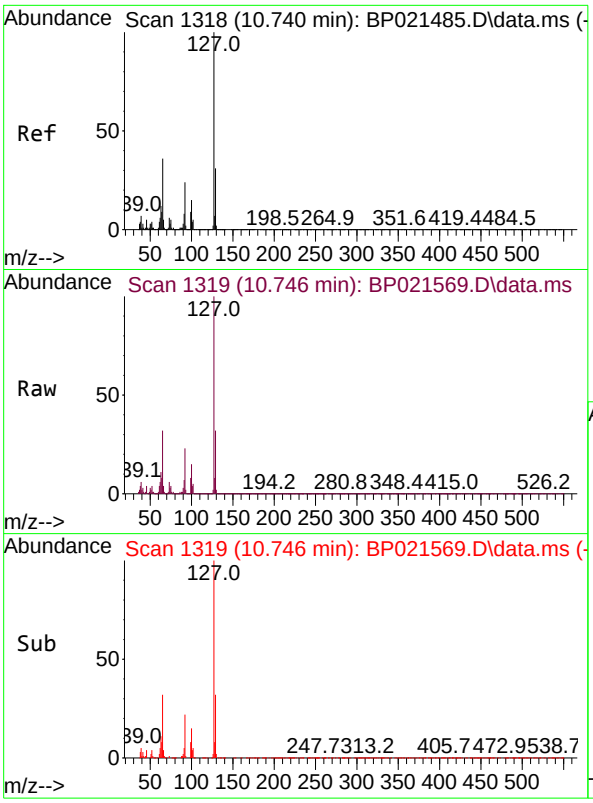


#32
Benzoic acid
Concen: 69.039 ng
RT: 9.922 min Scan# 1179
Delta R.T. 0.047 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:122 Resp: 1217860

Ion	Ratio	Lower	Upper
122	100		
105	140.9	124.6	164.6
77	103.1	96.2	136.2

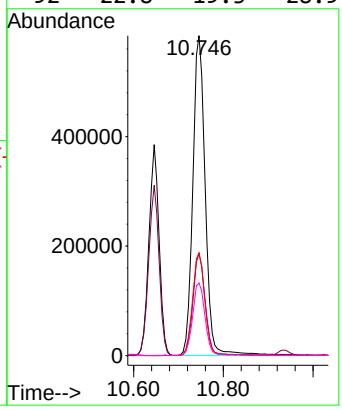




#33
4-Chloroaniline
Concen: 28.262 ng
RT: 10.746 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:127 Resp: 111927

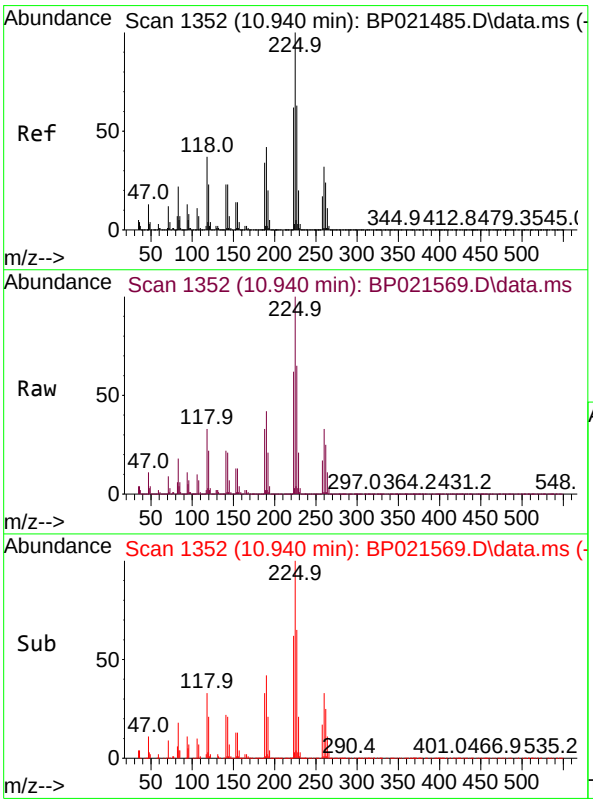
Ion	Ratio	Lower	Upper
127	100		
129	31.9	24.5	36.7
65	32.1	28.9	43.3
92	22.8	19.3	28.9



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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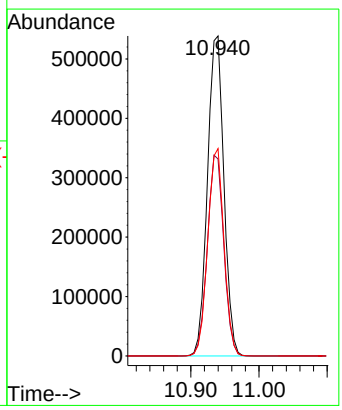
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

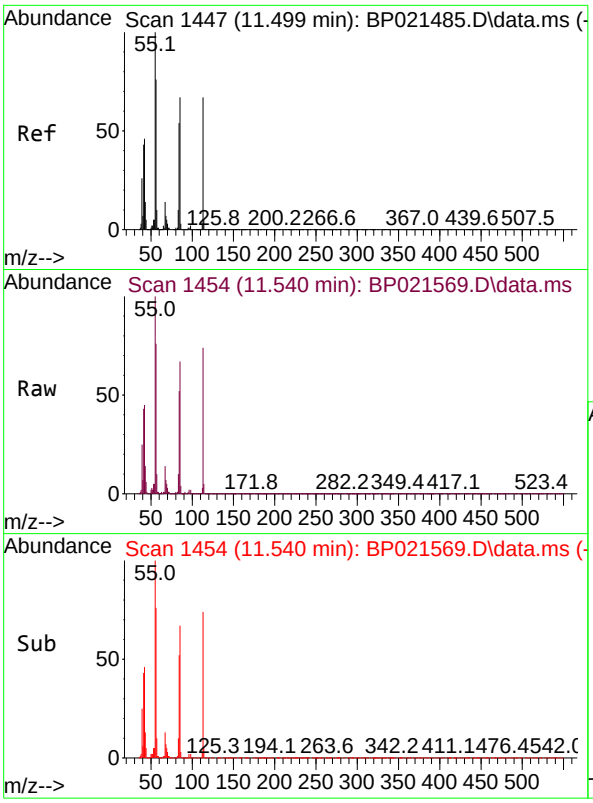


#34
Hexachlorobutadiene
Concen: 41.569 ng
RT: 10.940 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:225 Resp: 903824

Ion	Ratio	Lower	Upper
225	100		
223	61.6	49.6	74.4
227	64.8	50.1	75.1





#35
Caprolactam
Concen: 50.518 ng m
RT: 11.540 min Scan# 14
Delta R.T. 0.041 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

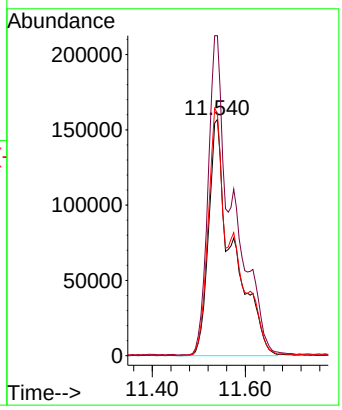
Tgt Ion:113 Resp: 56637

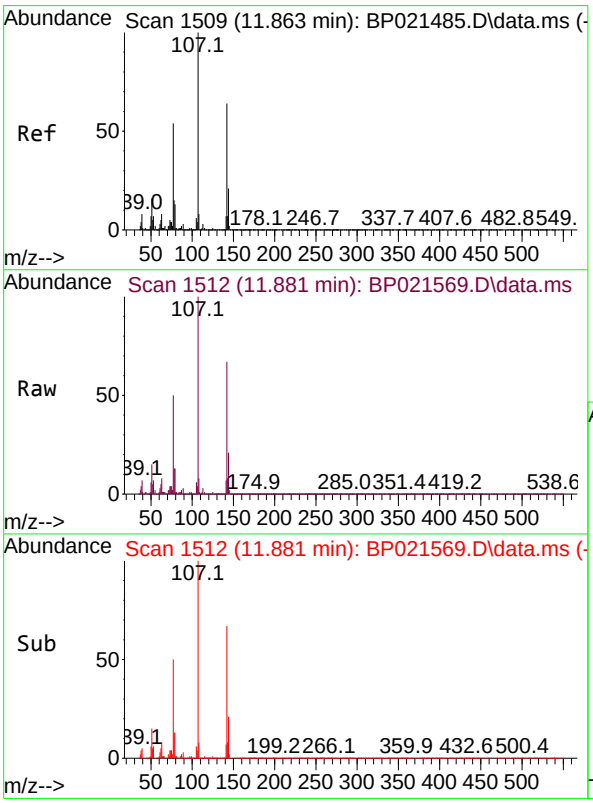
Ion	Ratio	Lower	Upper
113	100		
55	135.5	130.6	170.6
56	102.6	94.6	134.6

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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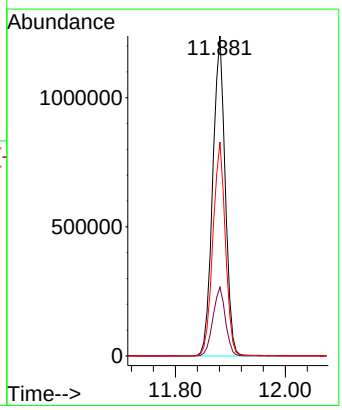


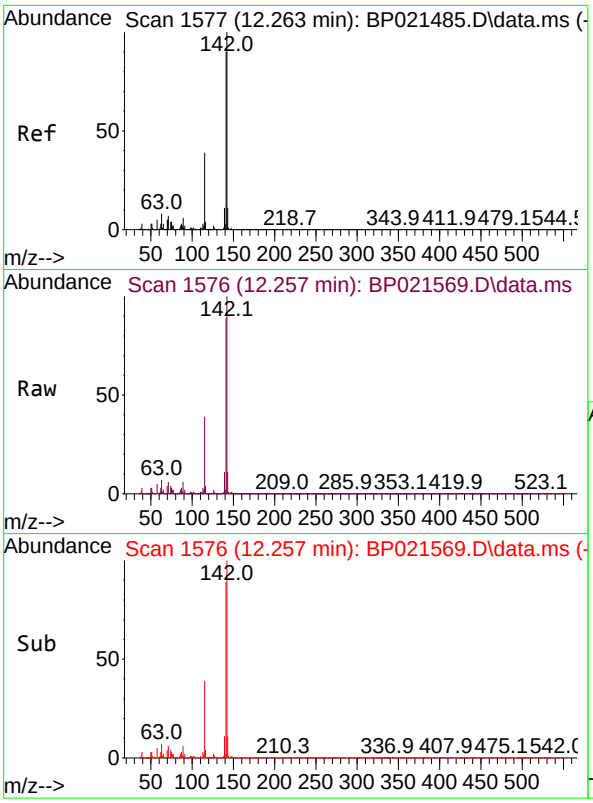


#36
4-Chloro-3-methylphenol
Concen: 52.252 ng
RT: 11.881 min Scan# 1512
Delta R.T. 0.018 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:107 Resp: 1952285

Ion	Ratio	Lower	Upper
107	100		
144	21.5	16.6	24.8
142	66.8	51.0	76.4

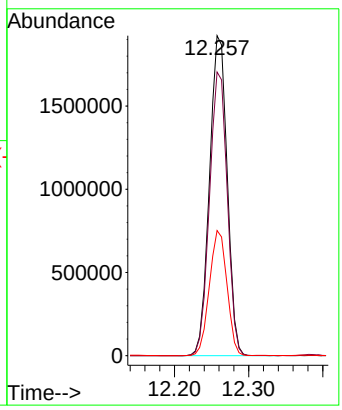




#37
2-Methylnaphthalene
Concen: 44.238 ng
RT: 12.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:142 Resp: 318318

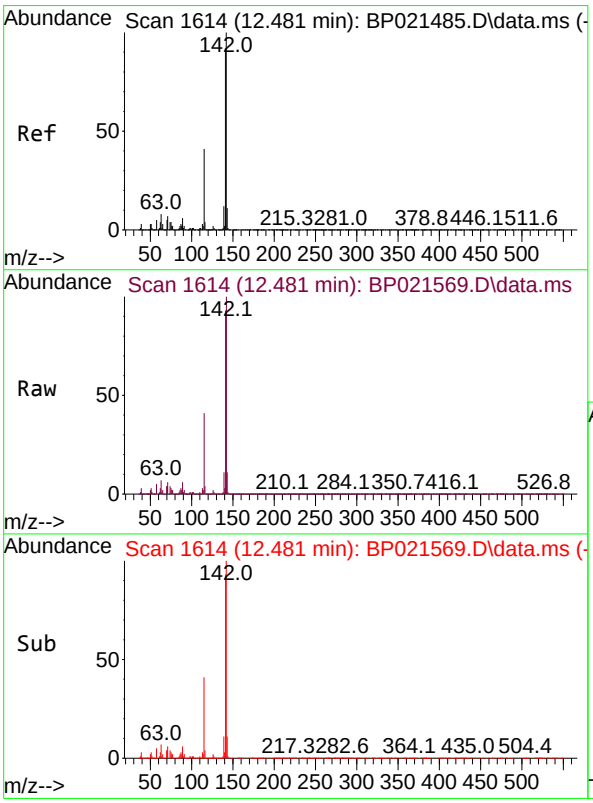
Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.7	107.5
115	39.1	31.4	47.2



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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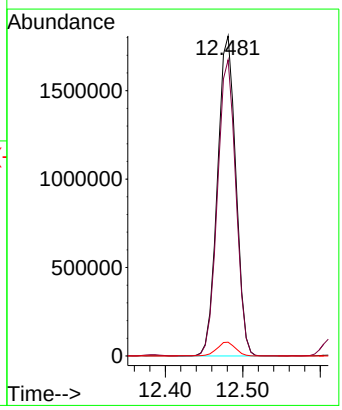
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

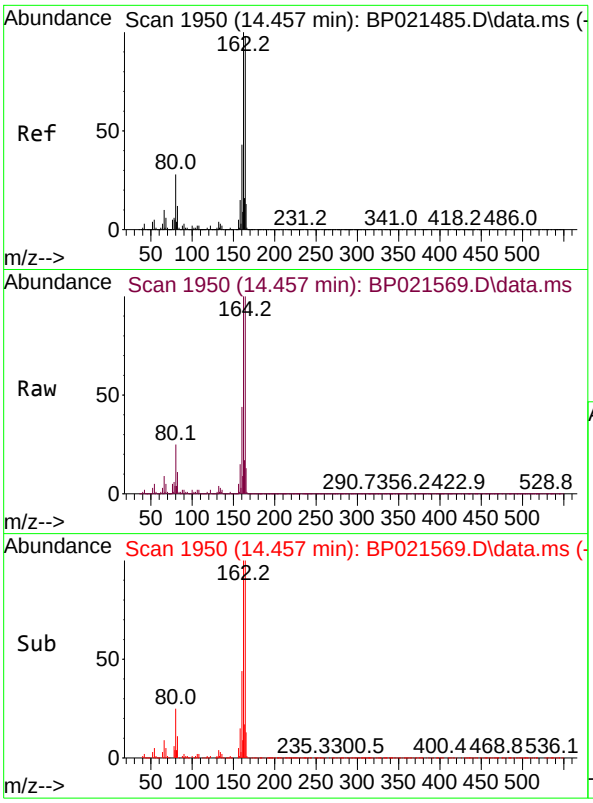


#38
1-Methylnaphthalene
Concen: 42.027 ng
RT: 12.481 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:142 Resp: 2982545

Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.5	110.3
116	4.3	3.4	5.2

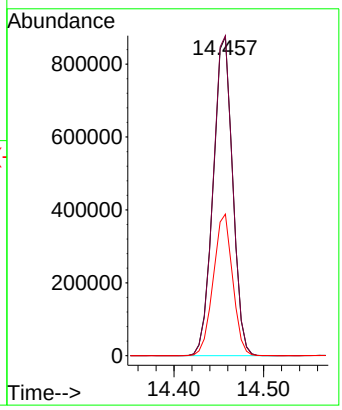




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:164 Resp: 131873

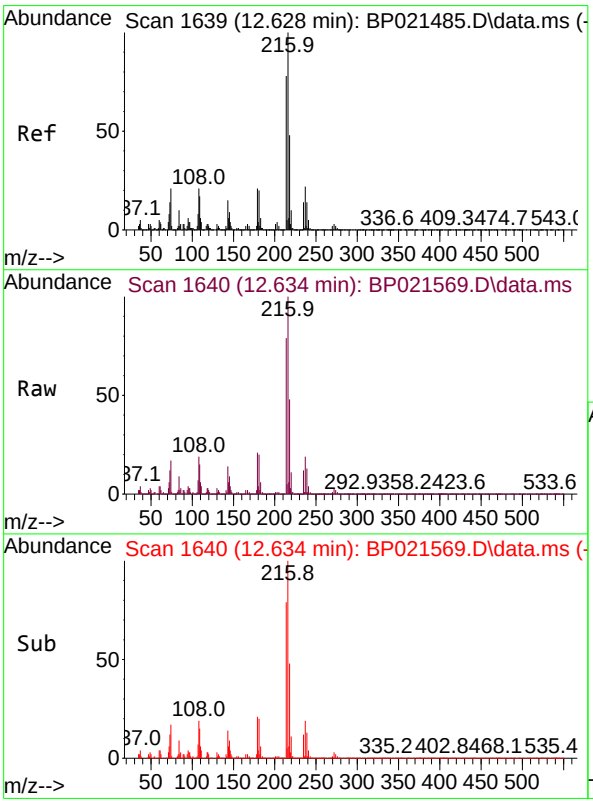
Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.5	122.3
160	44.4	35.2	52.8



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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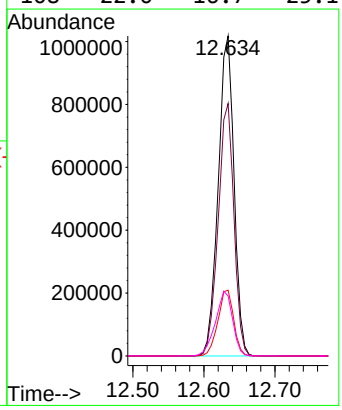
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

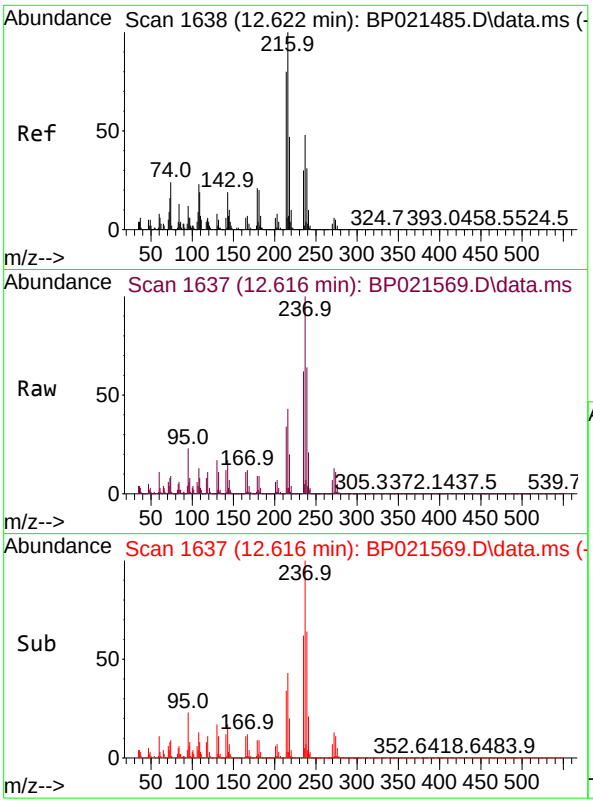


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.541 ng
RT: 12.634 min Scan# 1640
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:216 Resp: 1566485

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.5	93.7
179	20.6	16.4	24.6
108	22.0	16.7	25.1

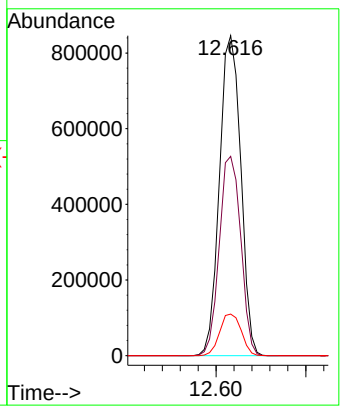




#41
Hexachlorocyclopentadiene
Concen: 113.798 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:237 Resp: 139359

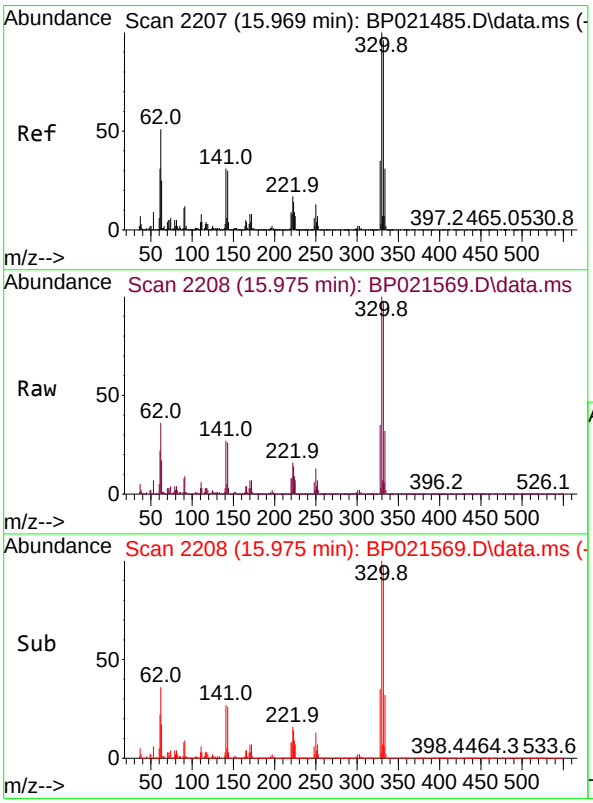
Ion	Ratio	Lower	Upper
237	100		
235	62.3	43.9	83.9
272	13.0	0.0	33.3



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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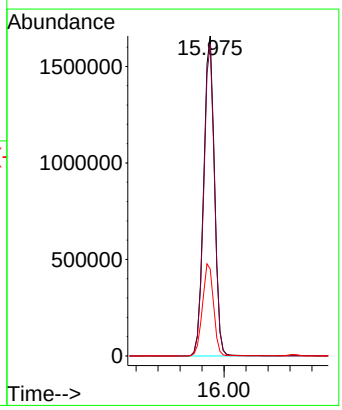
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

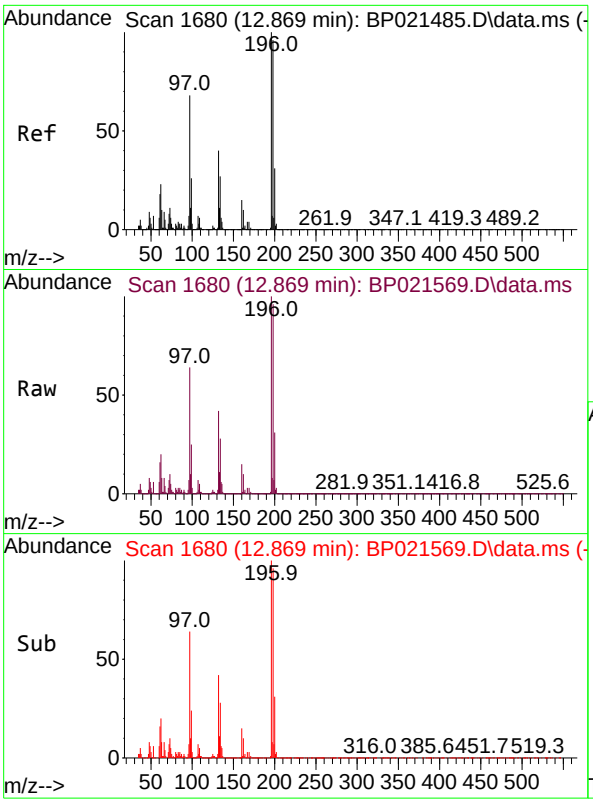


#42
2,4,6-Tribromophenol
Concen: 153.843 ng
RT: 15.975 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:330 Resp: 2257963

Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.4	116.0
141	29.7	24.5	36.7

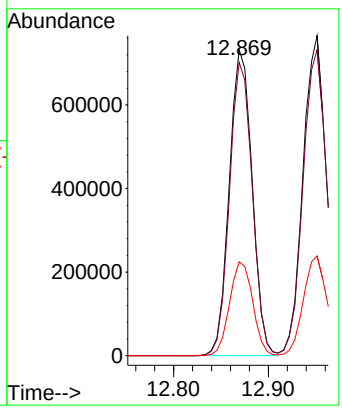




#43
2,4,6-Trichlorophenol
Concen: 57.393 ng
RT: 12.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:196 Resp: 123185

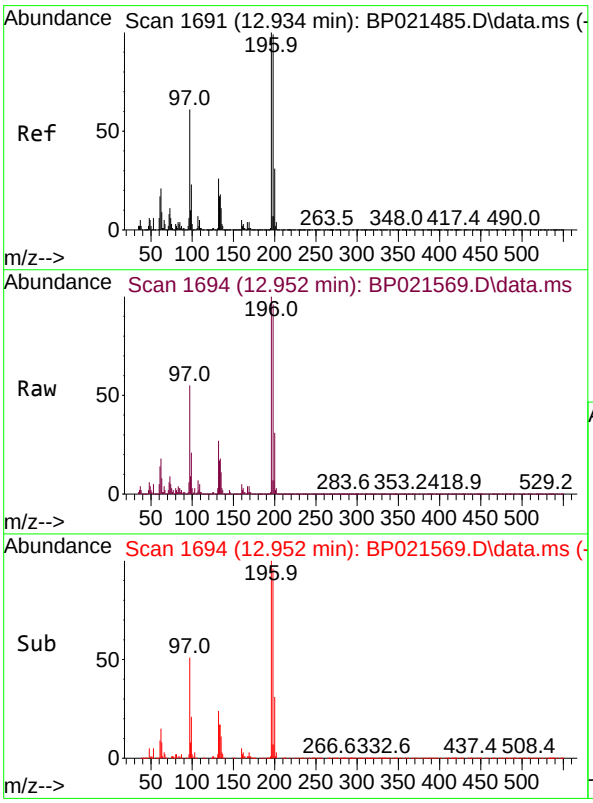
Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.6	114.8
200	30.7	24.5	36.7



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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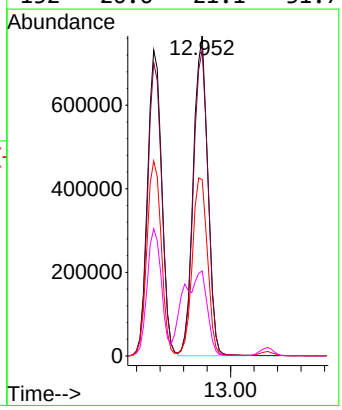
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

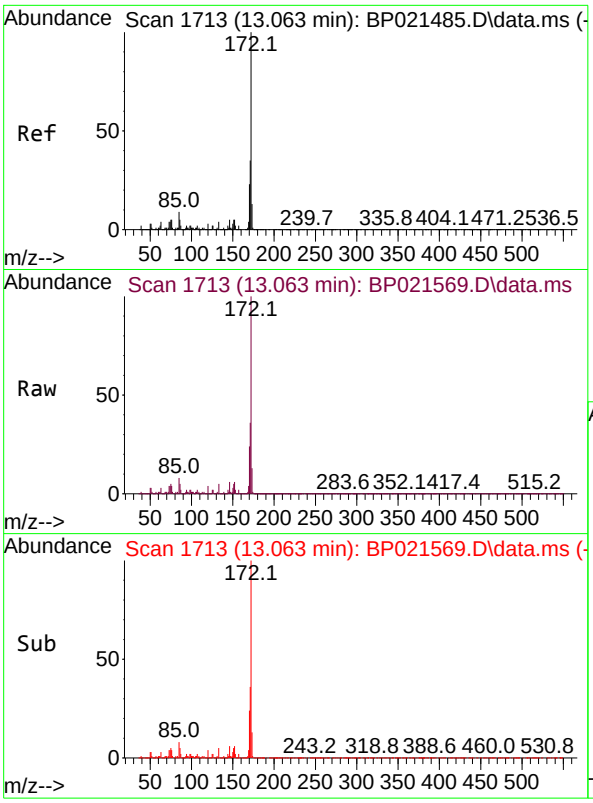


#44
2,4,5-Trichlorophenol
Concen: 55.163 ng
RT: 12.952 min Scan# 1694
Delta R.T. 0.018 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:196 Resp: 1315468

Ion	Ratio	Lower	Upper
196	100		
198	95.6	78.9	118.3
97	55.1	49.4	74.0
132	26.6	21.1	31.7





#45
2-Fluorobiphenyl
Concen: 80.212 ng
RT: 13.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

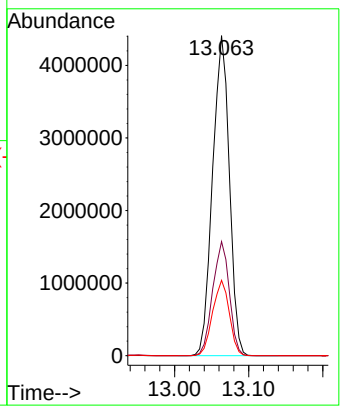
Tgt Ion:172 Resp: 693107

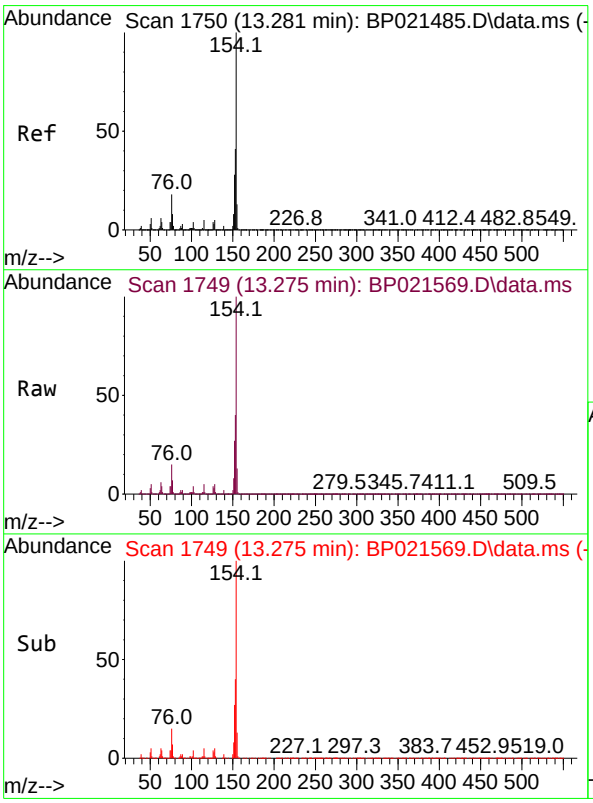
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	23.5	18.4	27.6

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

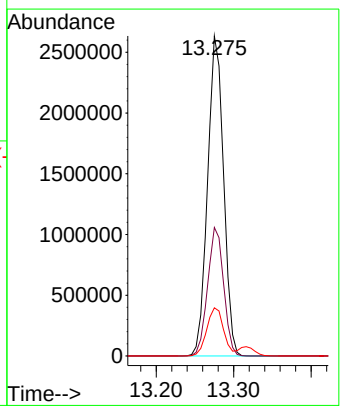


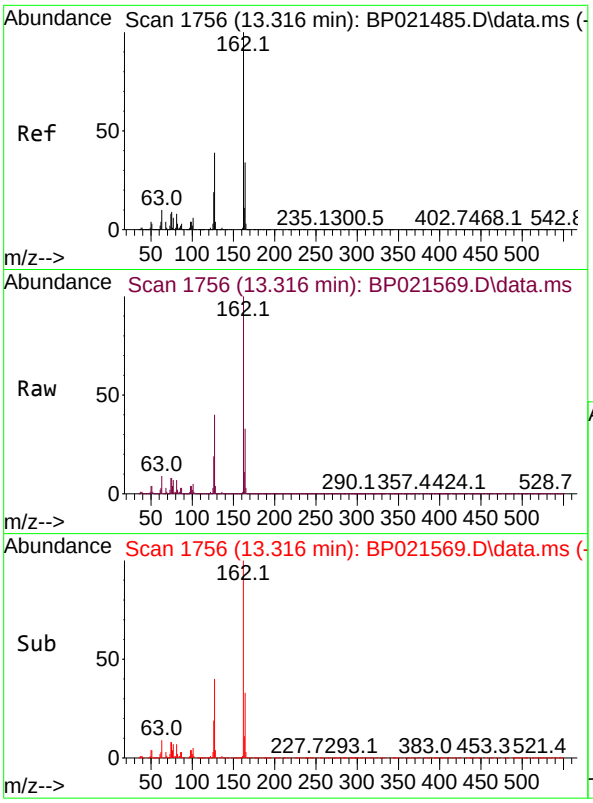


#46
1,1'-Biphenyl
Concen: 40.481 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:154 Resp: 3776973

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.7	60.7
76	15.0	0.0	37.7

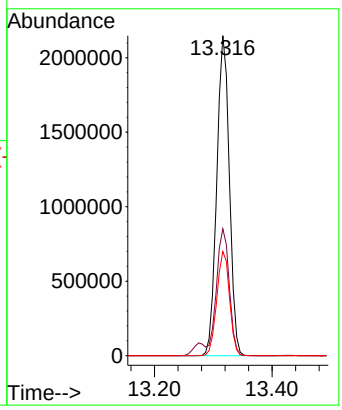




#47
2-Chloronaphthalene
Concen: 43.854 ng
RT: 13.316 min Scan# 1
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:162 Resp: 318553

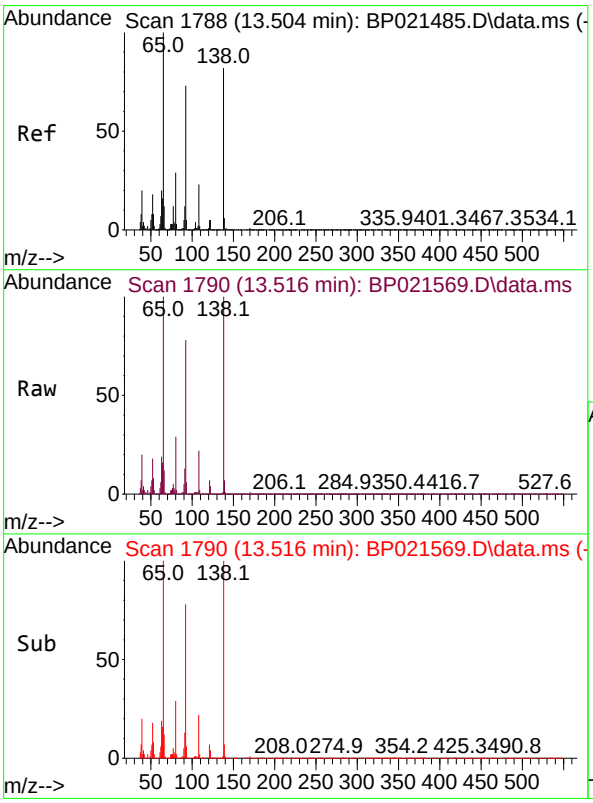
Ion	Ratio	Lower	Upper
162	100		
127	39.7	31.9	47.9
164	32.6	26.8	40.2



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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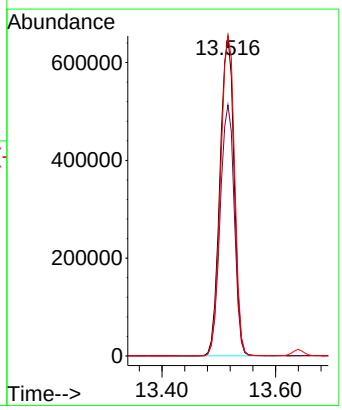
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

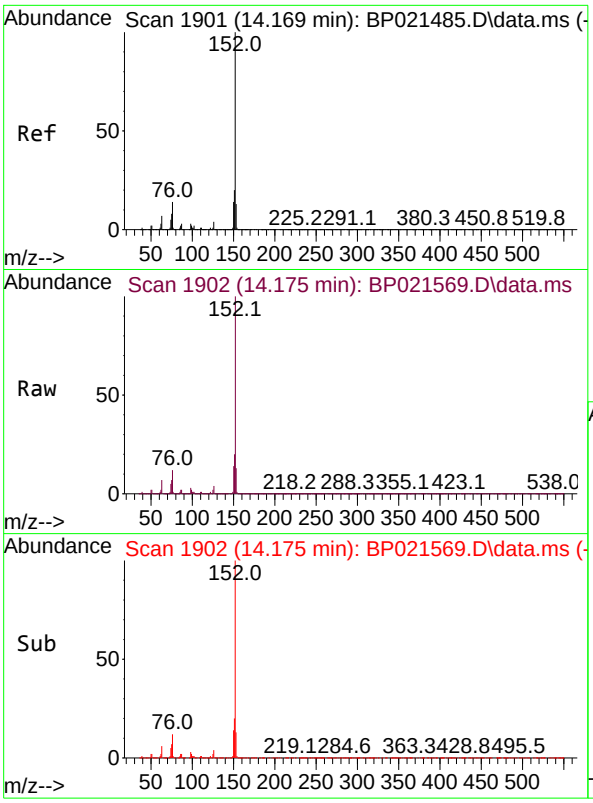


#48
2-Nitroaniline
Concen: 54.530 ng
RT: 13.516 min Scan# 1790
Delta R.T. 0.012 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 65 Resp: 1126118

Ion	Ratio	Lower	Upper
65	100		
92	78.6	58.1	87.1
138	100.2	65.5	98.3#

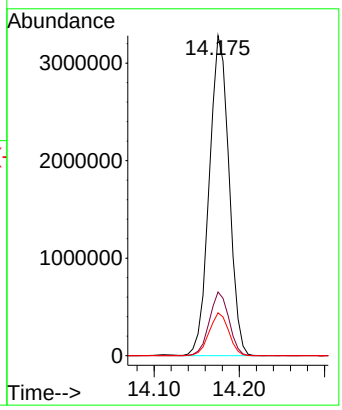




#49
Acenaphthylene
Concen: 49.407 ng
RT: 14.175 min Scan# 1
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:152 Resp: 527584

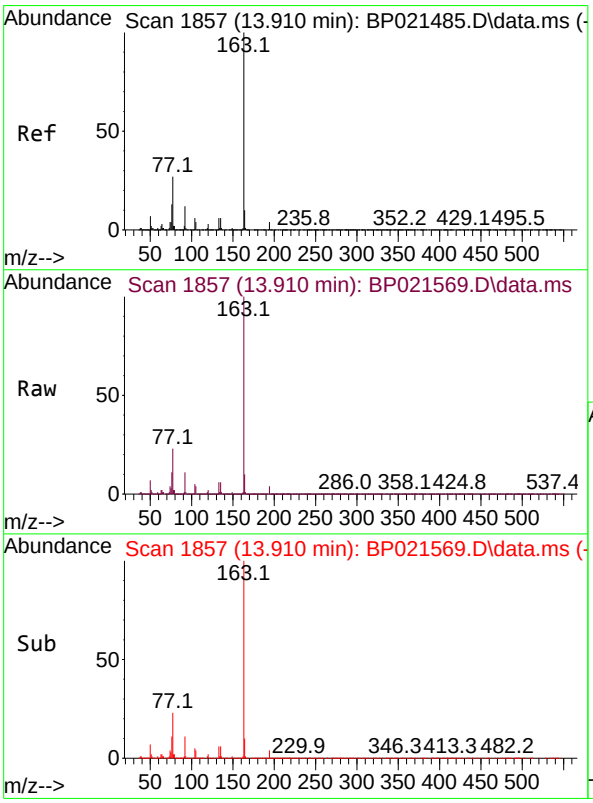
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.4	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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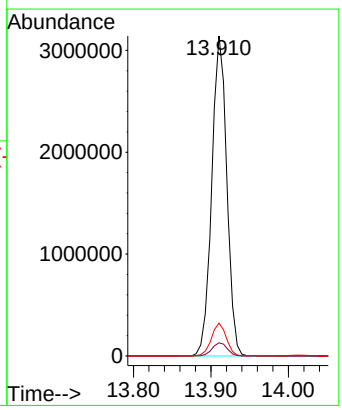
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

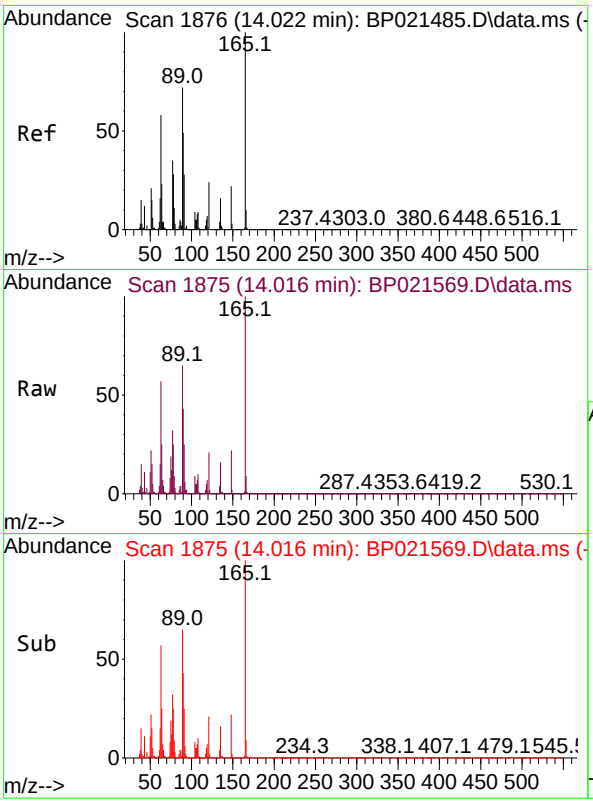


#50
Dimethylphthalate
Concen: 47.933 ng
RT: 13.910 min Scan# 1857
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:163 Resp: 4233153

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.2	8.3	12.5

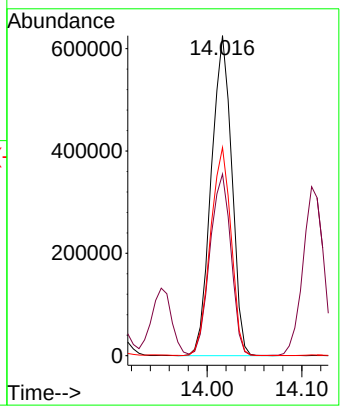




#51
2,6-Dinitrotoluene
Concen: 52.381 ng
RT: 14.016 min Scan# 1
Delta R.T. -0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:165 Resp: 94035

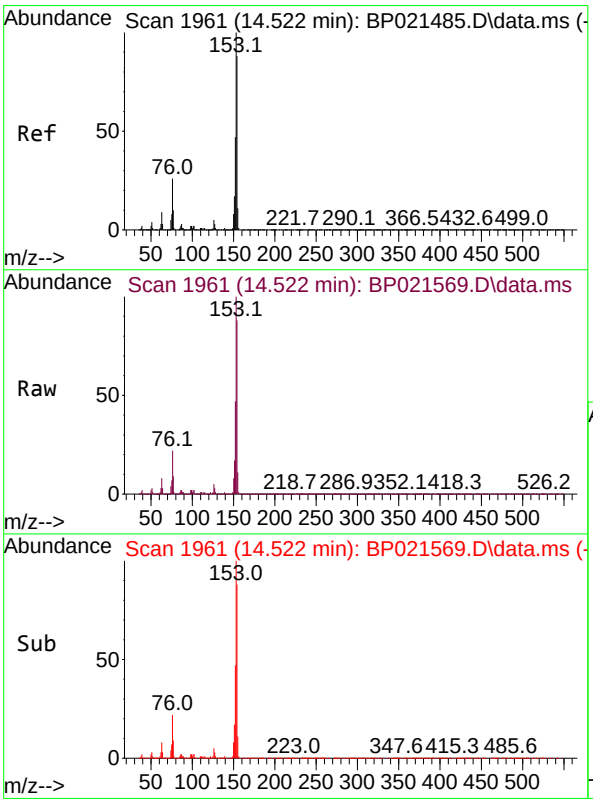
Ion	Ratio	Lower	Upper
165	100		
63	56.8	51.5	77.3
89	65.1	57.8	86.8



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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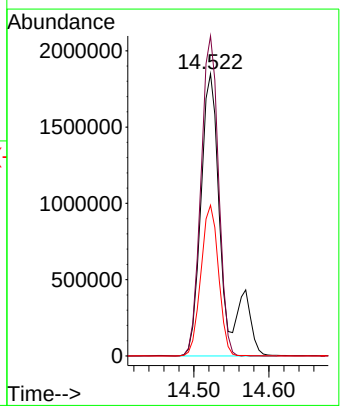
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

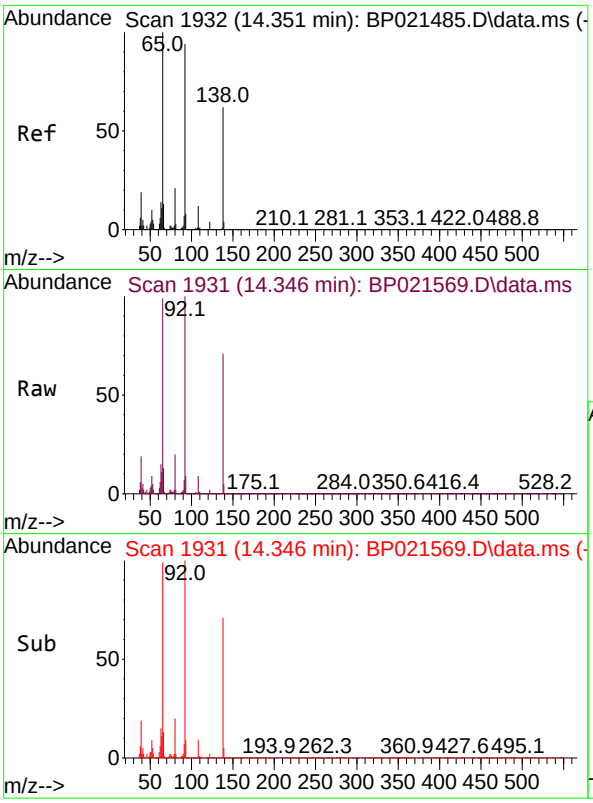


#52
Acenaphthene
Concen: 51.401 ng m
RT: 14.522 min Scan# 1961
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:154 Resp: 3601366

Ion	Ratio	Lower	Upper
154	100		
153	113.4	91.1	136.7
152	53.4	43.0	64.4





#53
3-Nitroaniline
Concen: 44.582 ng
RT: 14.346 min Scan# 1
Delta R.T. -0.005 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

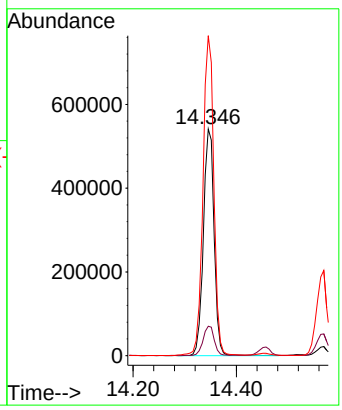
Tgt Ion:138 Resp: 77549

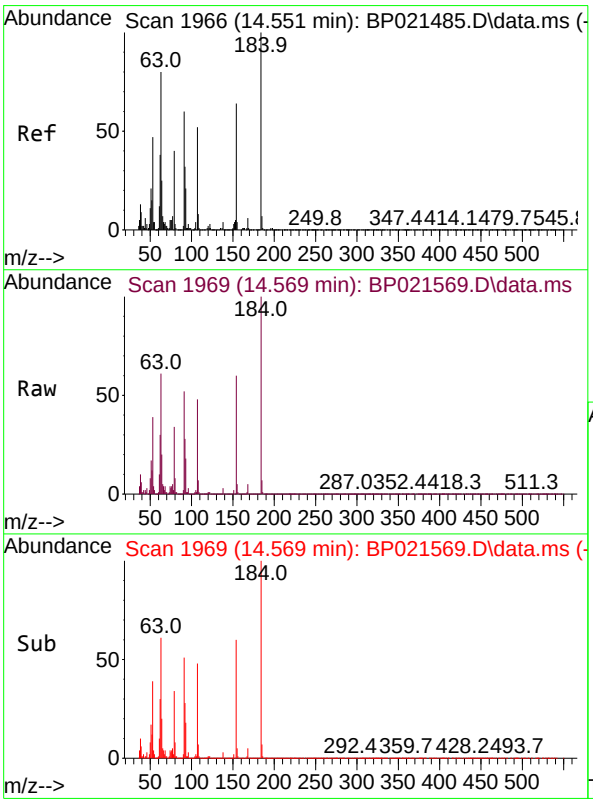
Ion	Ratio	Lower	Upper
138	100		
108	13.0	16.2	24.4#
92	141.1	122.2	183.4

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

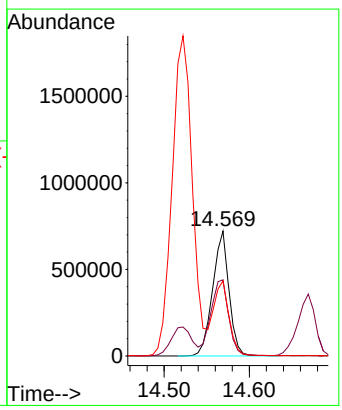


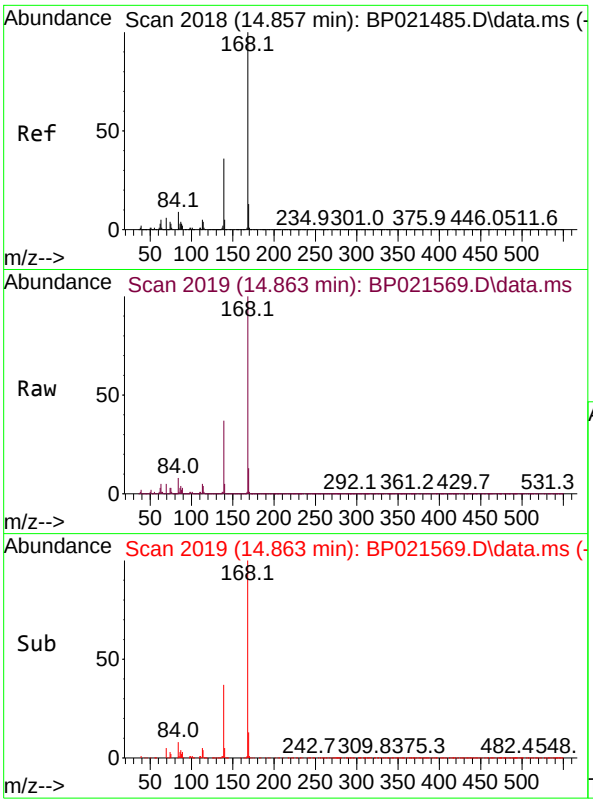


#54
2,4-Dinitrophenol
Concen: 121.666 ng
RT: 14.569 min Scan# 1969
Delta R.T. 0.018 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:184 Resp: 965462

Ion	Ratio	Lower	Upper
184	100		
63	61.1	64.9	97.3#
154	60.2	52.1	78.1

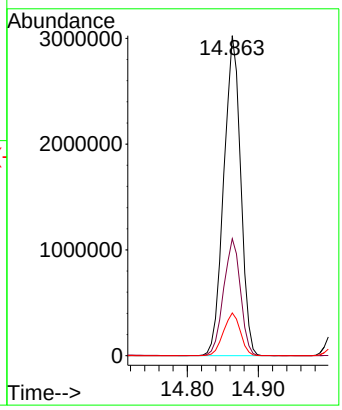




#55
Dibenzofuran
Concen: 46.284 ng
RT: 14.863 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:168 Resp: 498850

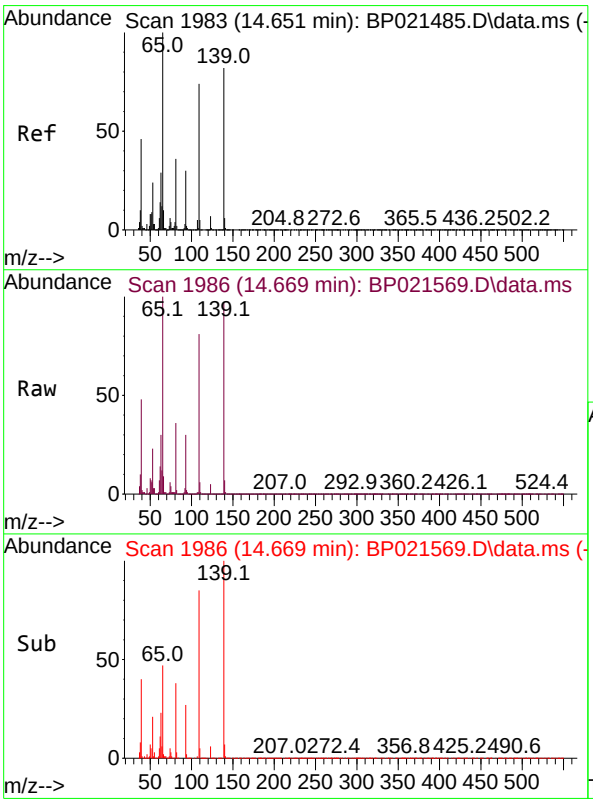
Ion	Ratio	Lower	Upper
168	100		
139	36.5	28.6	43.0
169	13.4	10.6	16.0



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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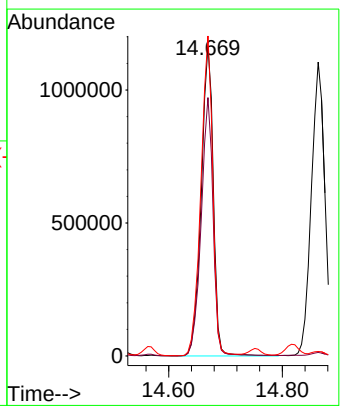
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

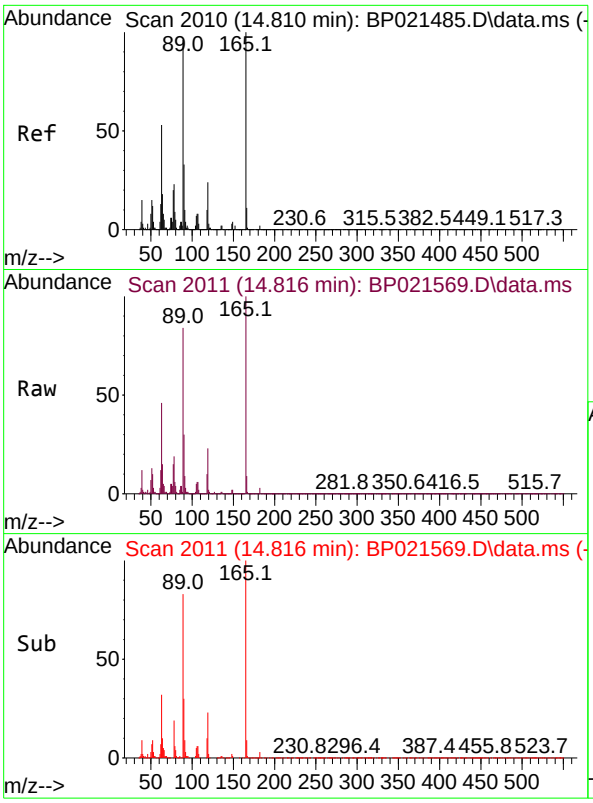


#56
4-Nitrophenol
Concen: 114.676 ng
RT: 14.669 min Scan# 1986
Delta R.T. 0.018 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:139 Resp: 1714088

Ion	Ratio	Lower	Upper
139	100		
109	83.3	70.2	110.2
65	103.2	101.8	141.8

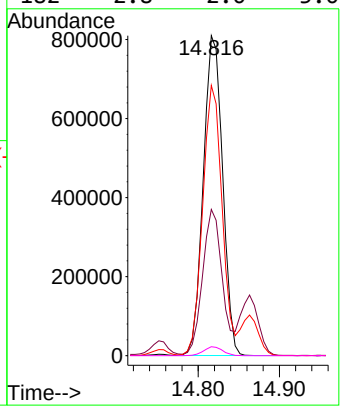




#57
2,4-Dinitrotoluene
Concen: 57.774 ng
RT: 14.816 min Scan# 2
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:165 Resp: 133511

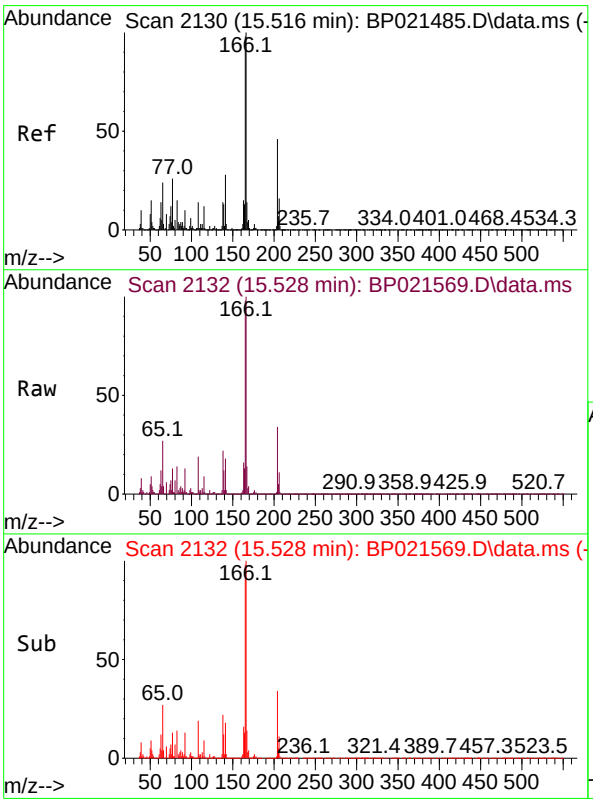
Ion	Ratio	Lower	Upper
165	100		
63	45.7	42.5	63.7
89	84.4	77.1	115.7
182	2.8	2.0	3.0



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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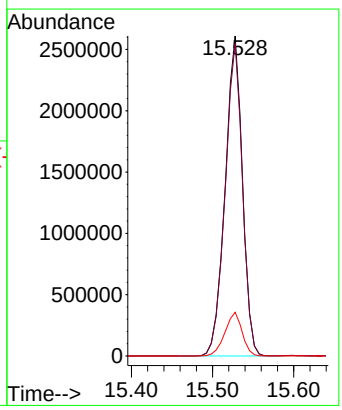
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

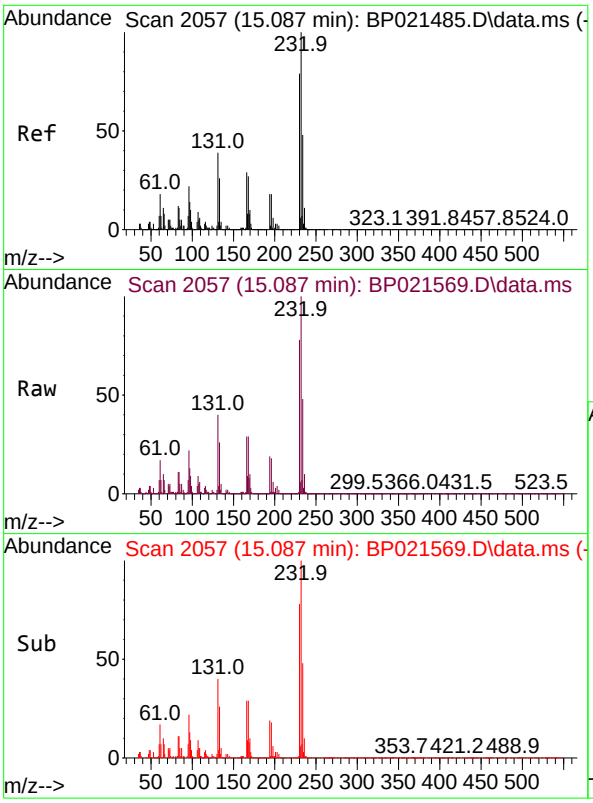


#58
Fluorene
Concen: 43.641 ng
RT: 15.528 min Scan# 2132
Delta R.T. 0.012 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:166 Resp: 3864218

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.1	117.1
167	13.6	11.0	16.4

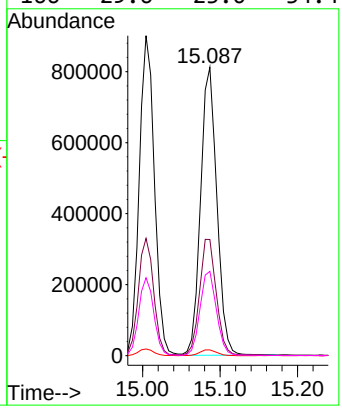




#59
2,3,4,6-Tetrachlorophenol
Concen: 58.555 ng
RT: 15.087 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:232 Resp: 118520

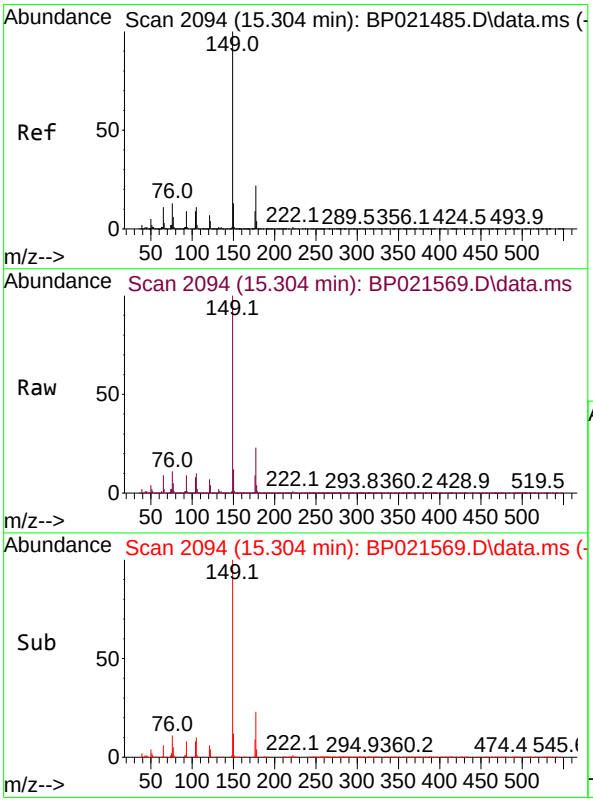
Ion	Ratio	Lower	Upper
232	100		
131	41.0	33.1	49.7
130	2.2	1.7	2.5
166	29.6	23.0	34.4



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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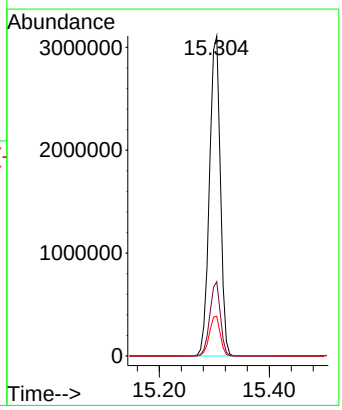
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

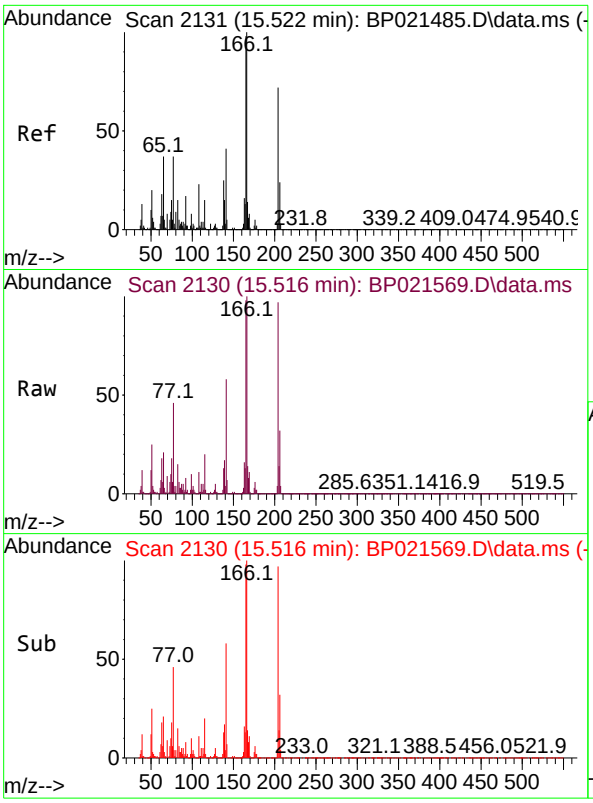


#60
Diethylphthalate
Concen: 47.002 ng
RT: 15.304 min Scan# 2094
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:149 Resp: 4259031

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.8	26.8
150	12.4	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 42.961 ng
RT: 15.516 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

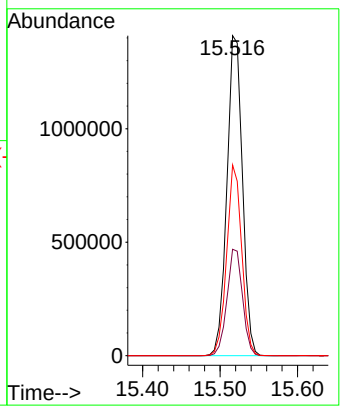
Tgt Ion:204 Resp: 196627

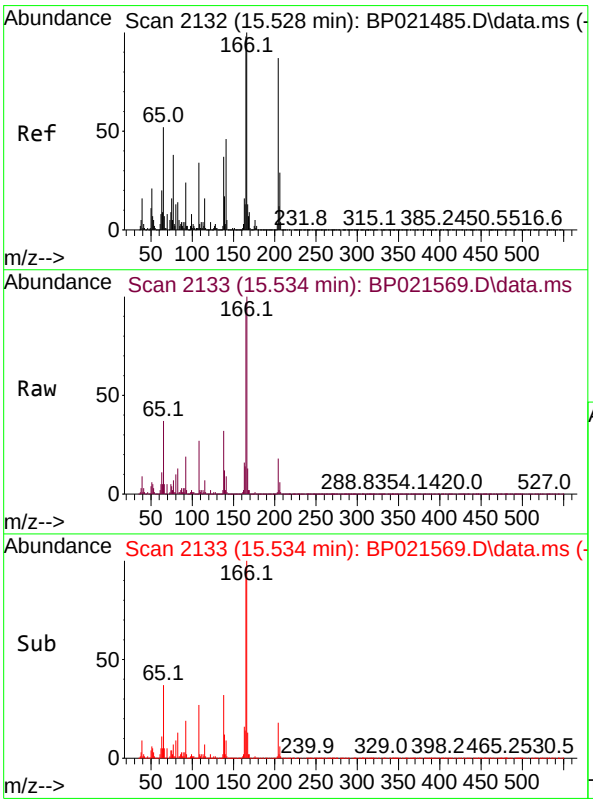
Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.4	39.6
141	59.6	46.1	69.1

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

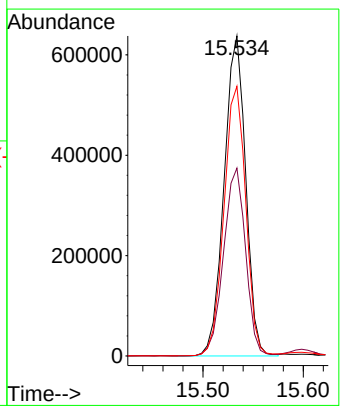


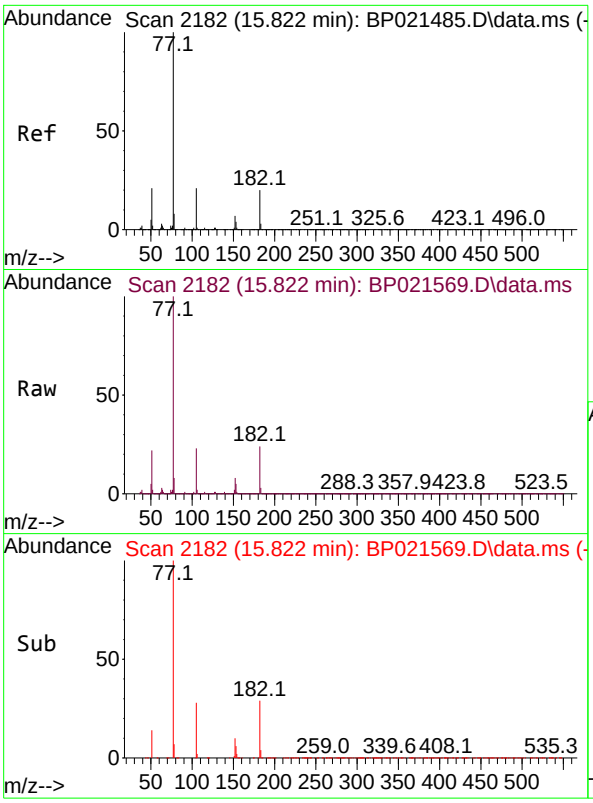


#62
4-Nitroaniline
Concen: 52.570 ng
RT: 15.534 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:138 Resp: 951854

Ion	Ratio	Lower	Upper
138	100		
92	58.7	46.4	86.4
108	84.3	73.2	113.2

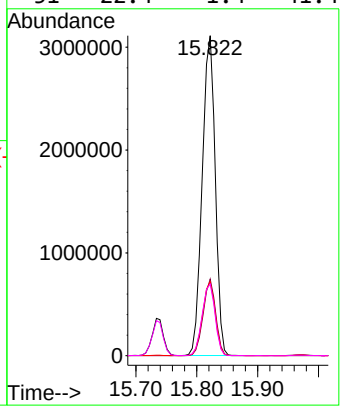




#63
Azobenzene
Concen: 41.483 ng
RT: 15.822 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion: 77 Resp: 462064

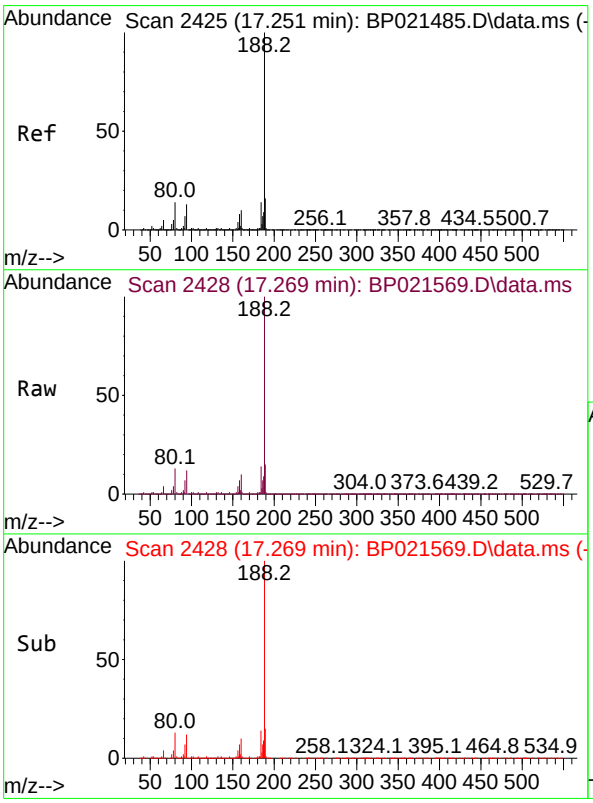
Ion	Ratio	Lower	Upper
77	100		
182	23.9	0.0	39.9
105	23.1	0.9	40.9
51	22.4	1.4	41.4



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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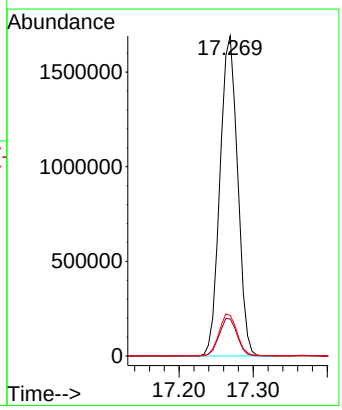
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

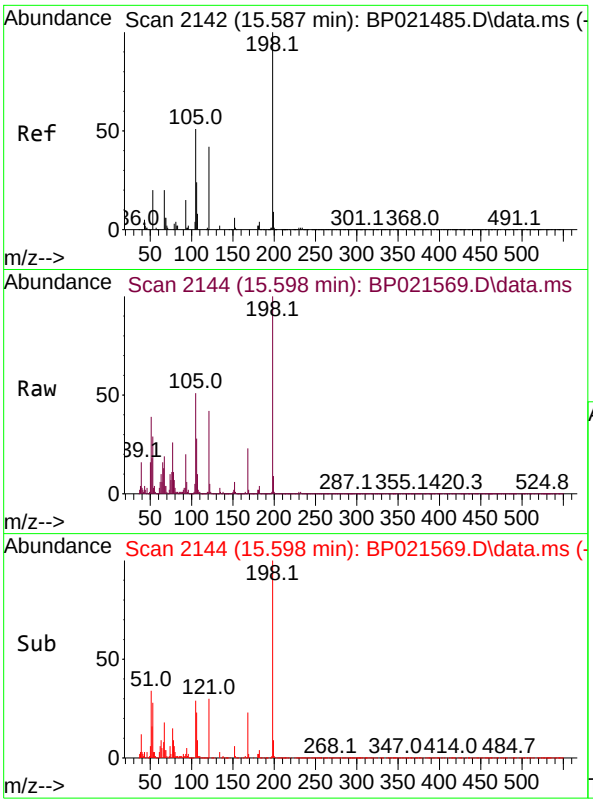


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.269 min Scan# 2428
Delta R.T. 0.018 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:188 Resp: 2796133

Ion	Ratio	Lower	Upper
188	100		
94	11.6	10.2	15.4
80	12.7	11.6	17.4





#65
4,6-Dinitro-2-methylphenol
Concen: 70.723 ng
RT: 15.598 min Scan# 21
Delta R.T. 0.011 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

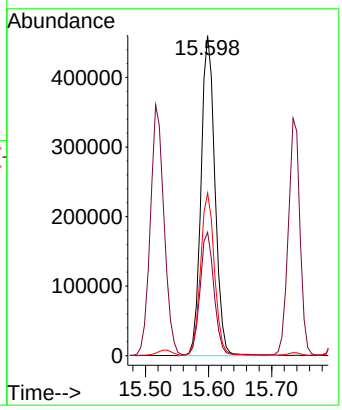
Tgt Ion:198 Resp: 70200

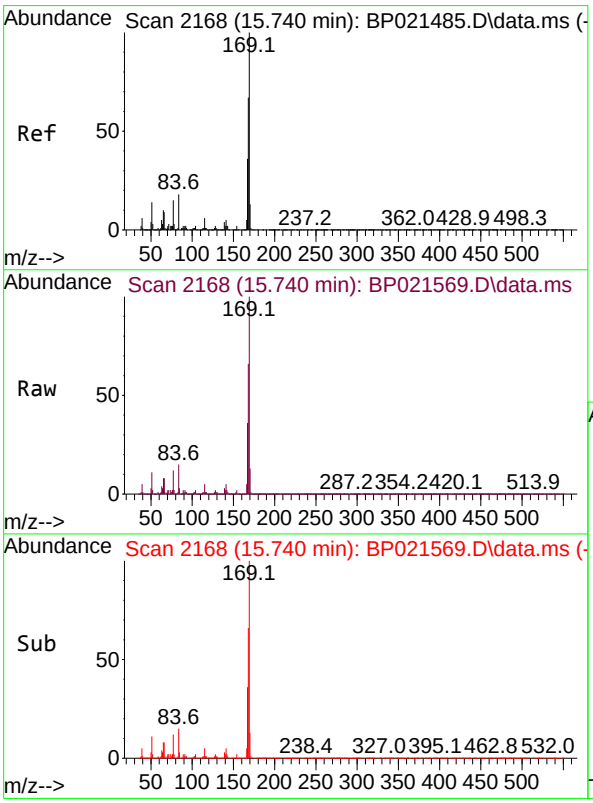
Ion	Ratio	Lower	Upper
198	100		
51	38.6	21.5	61.5
105	50.8	32.9	72.9

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

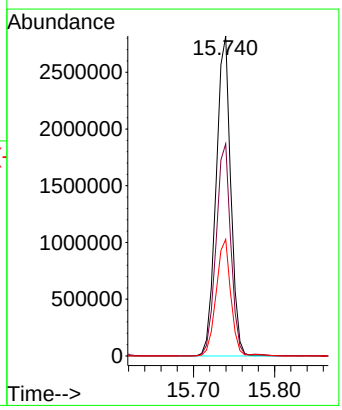


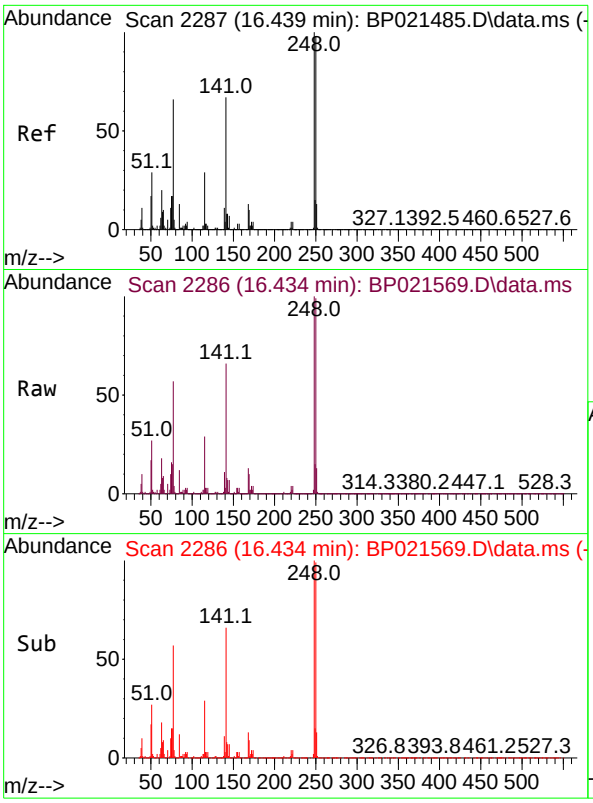


#66
n-Nitrosodiphenylamine
Concen: 47.107 ng
RT: 15.740 min Scan# 2168
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:169 Resp: 3529833

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.4	80.2
167	36.5	28.7	43.1

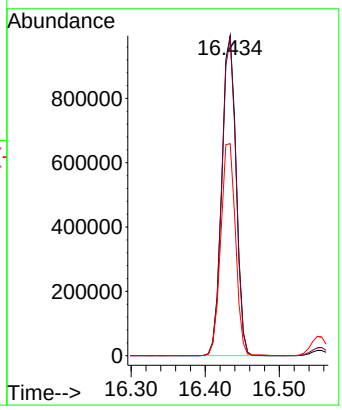




#67
4-Bromophenyl-phenylether
Concen: 45.335 ng
RT: 16.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:248 Resp: 134160

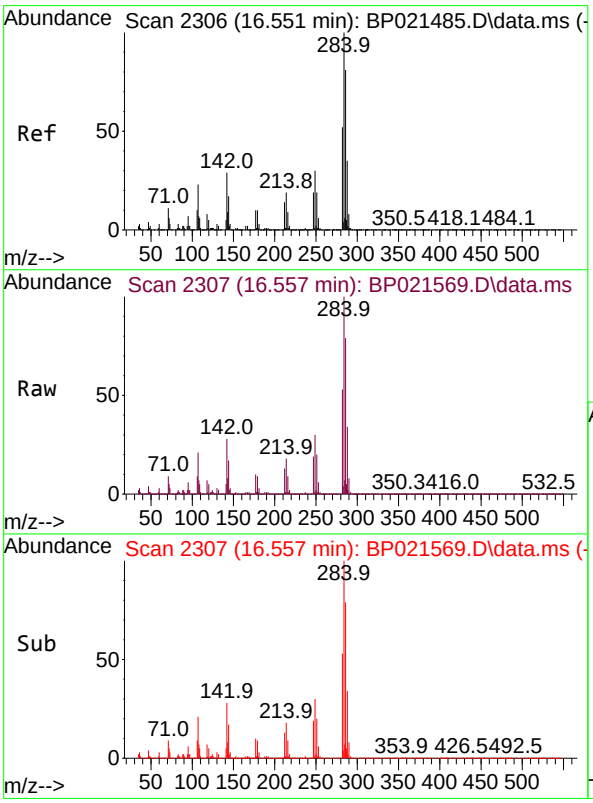
Ion	Ratio	Lower	Upper
248	100		
250	99.2	78.6	117.8
141	66.3	53.9	80.9



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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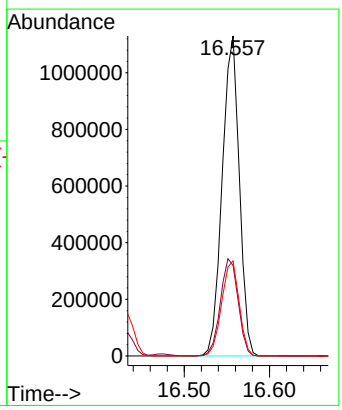
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

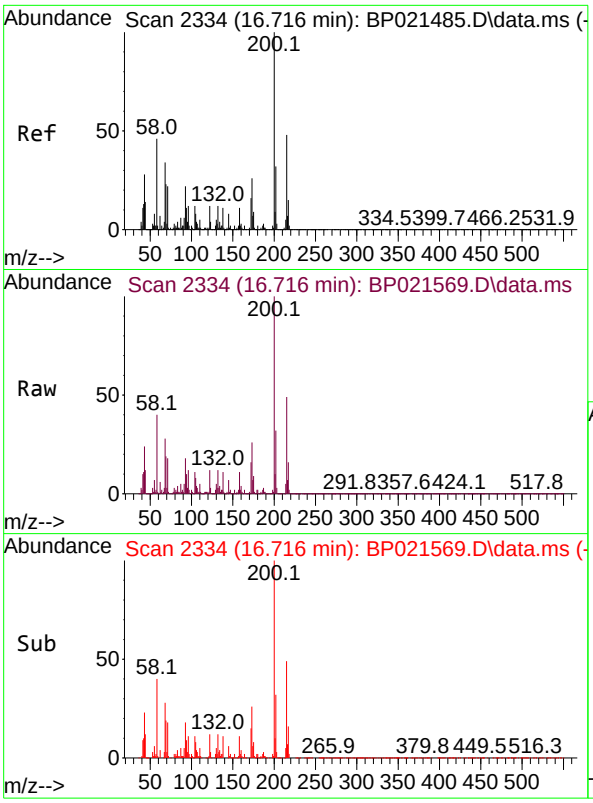


#68
Hexachlorobenzene
Concen: 45.010 ng
RT: 16.557 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:284 Resp: 1574085

Ion	Ratio	Lower	Upper
284	100		
142	28.3	23.4	35.2
249	29.7	24.1	36.1

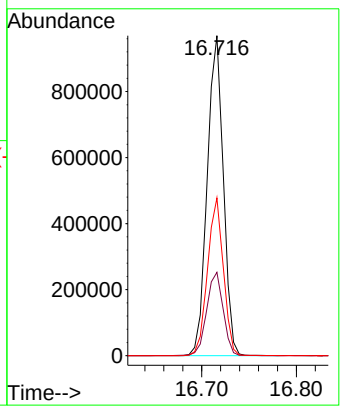




#69
Atrazine
Concen: 44.470 ng
RT: 16.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:200 Resp: 114407

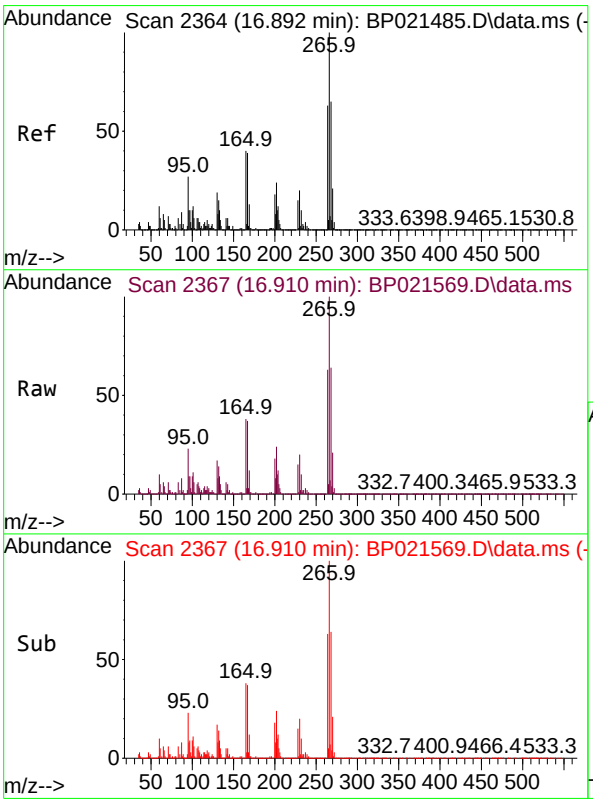
Ion	Ratio	Lower	Upper
200	100		
173	26.0	6.2	46.2
215	49.3	28.4	68.4



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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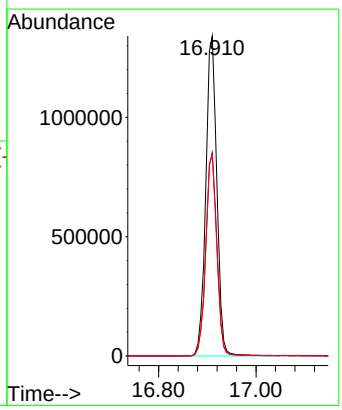
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

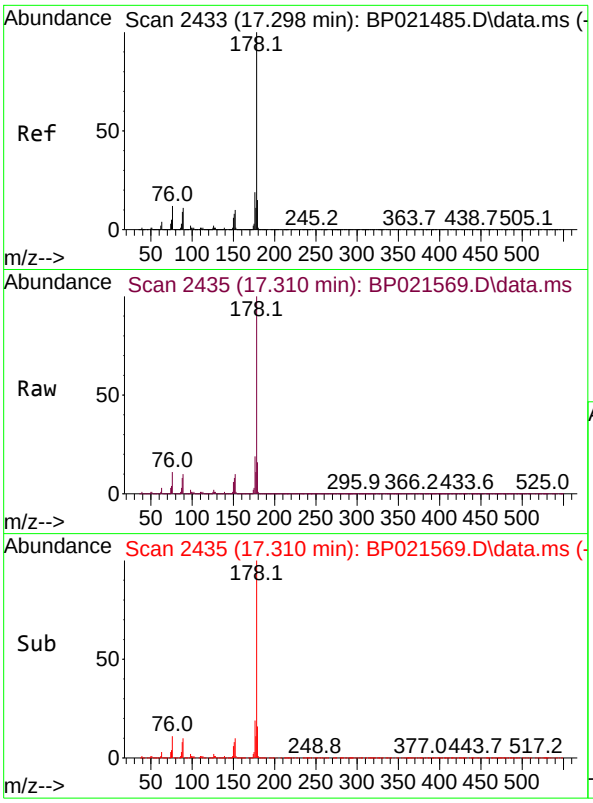


#70
Pentachlorophenol
Concen: 110.436 ng
RT: 16.910 min Scan# 2367
Delta R.T. 0.018 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:266 Resp: 2107986

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.8	77.6
264	62.8	50.5	75.7

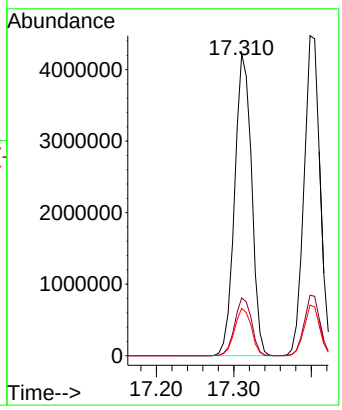




#71
Phenanthrene
Concen: 47.607 ng
RT: 17.310 min Scan# 24
Delta R.T. 0.012 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:178 Resp: 640178

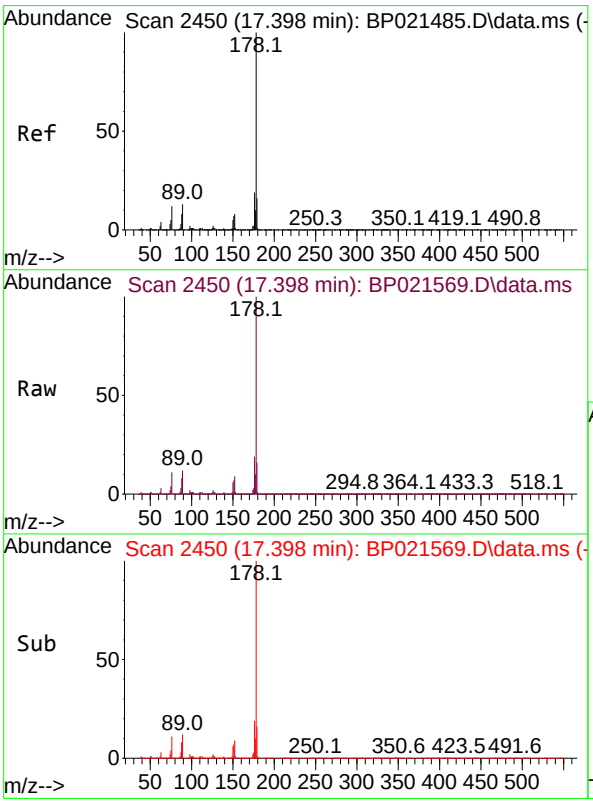
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.6	12.4	18.6



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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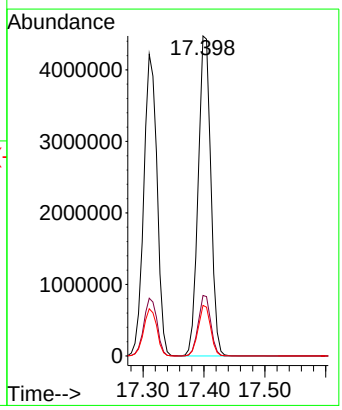
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

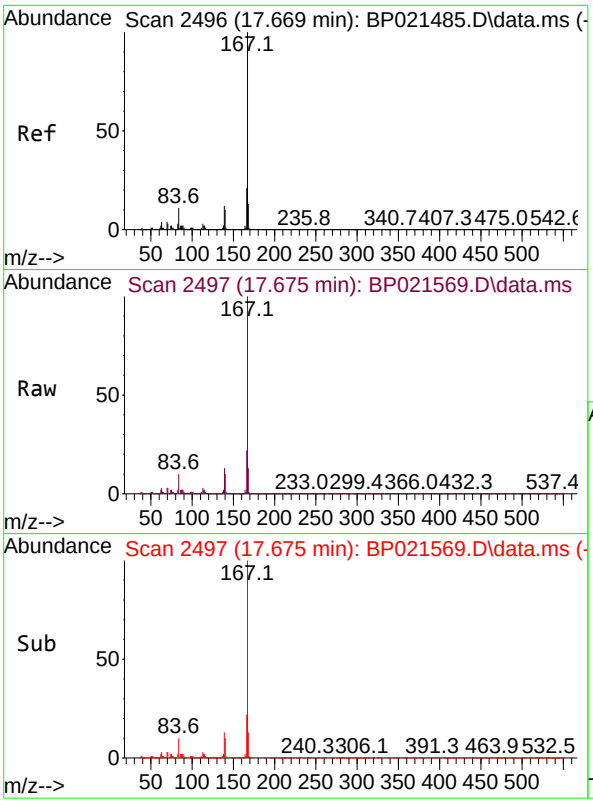


#72
Anthracene
Concen: 48.715 ng
RT: 17.398 min Scan# 2450
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:178 Resp: 6424495

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.8	12.5	18.7

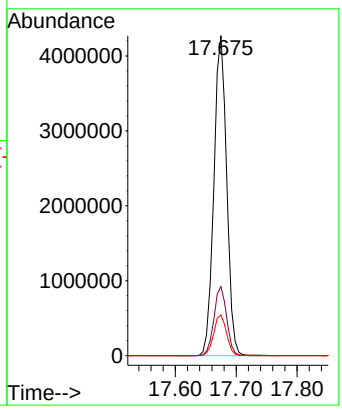




#73
Carbazole
Concen: 48.939 ng
RT: 17.675 min Scan# 24
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:167 Resp: 621986

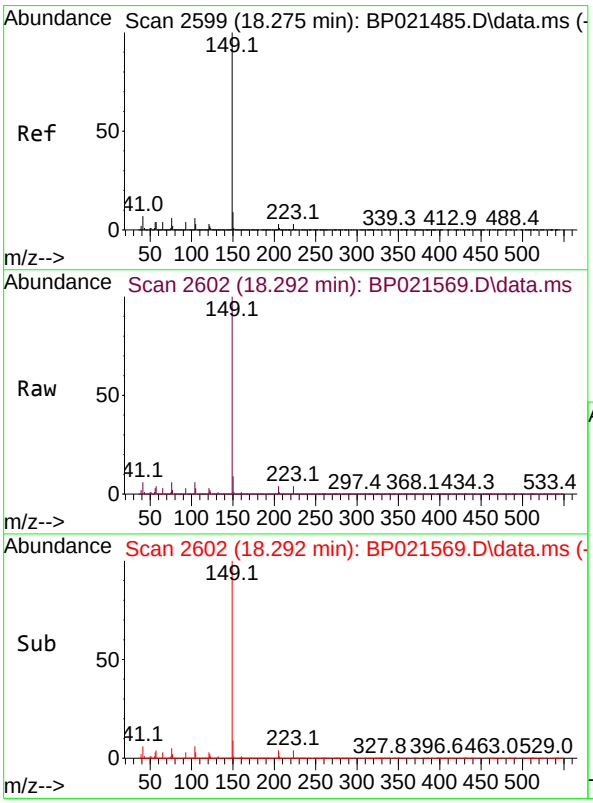
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.4
139	12.7	9.9	14.9



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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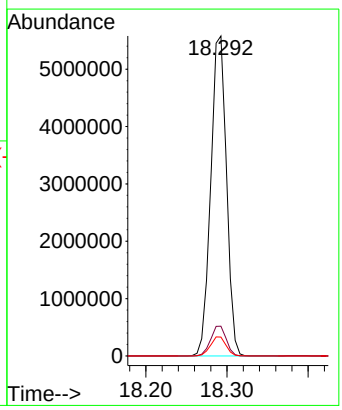
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

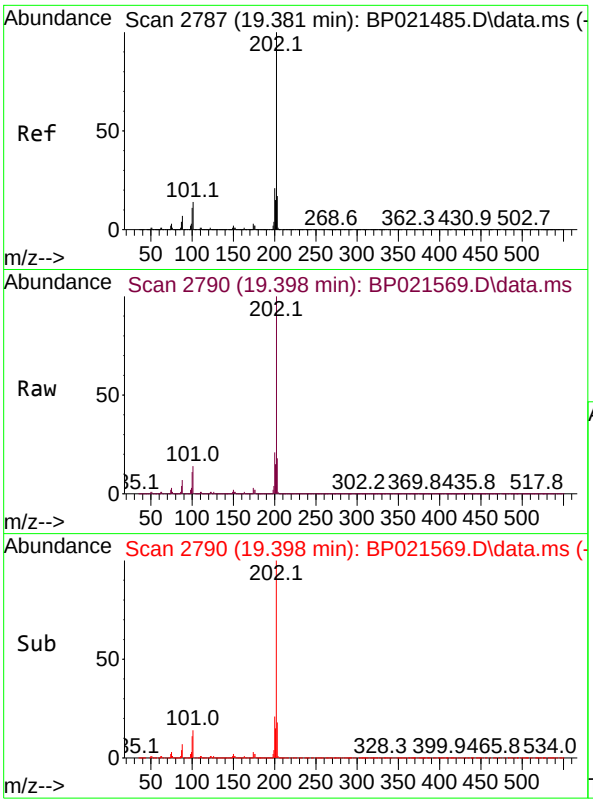


#74
Di-n-butylphthalate
Concen: 48.058 ng
RT: 18.292 min Scan# 2602
Delta R.T. 0.018 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:149 Resp: 7501228

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	5.9	4.9	7.3

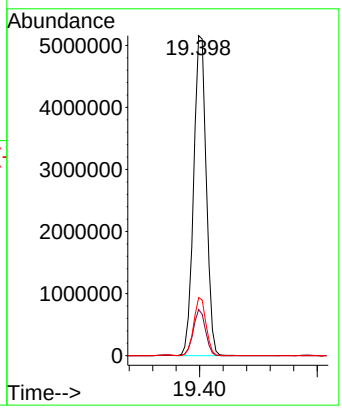




#75
Fluoranthene
Concen: 46.418 ng
RT: 19.398 min Scan# 2
Delta R.T. 0.018 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:202 Resp: 765870

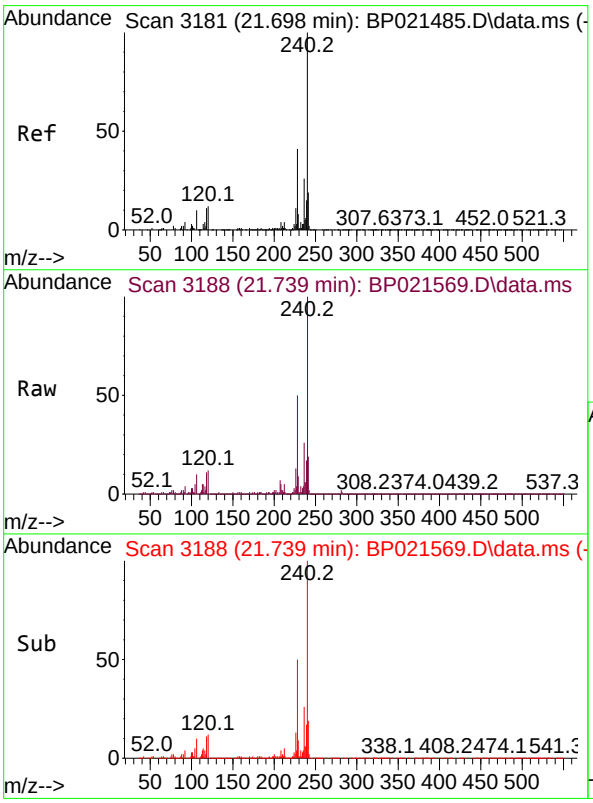
Ion	Ratio	Lower	Upper
202	100		
101	14.4	0.0	34.0
203	18.1	0.0	37.5



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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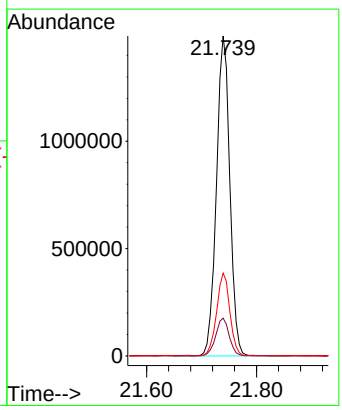
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

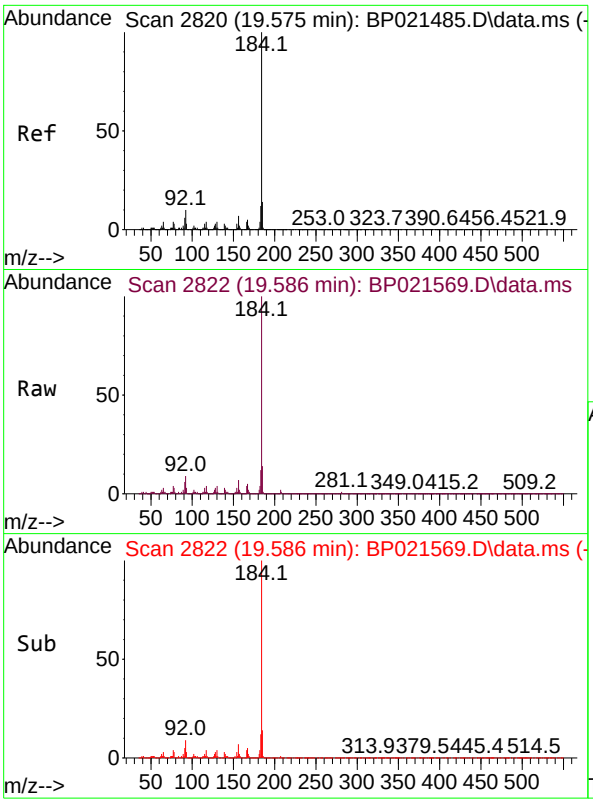


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.739 min Scan# 3188
Delta R.T. 0.041 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:240 Resp: 2515502

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.9	14.9
236	25.9	20.6	30.8

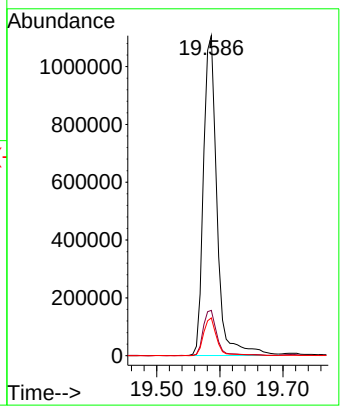




#77
Benzidine
Concen: 28.295 ng
RT: 19.586 min Scan# 2
Delta R.T. 0.011 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:184 Resp: 165471

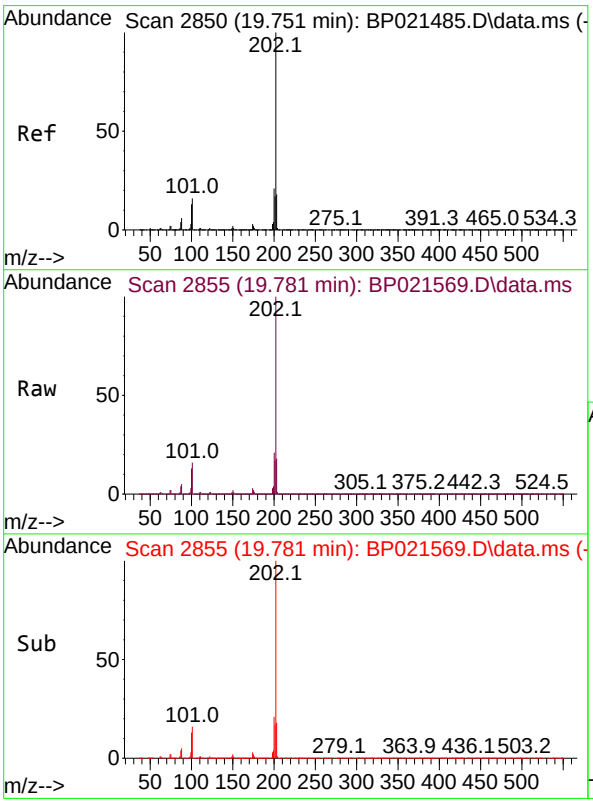
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.8	9.3	13.9



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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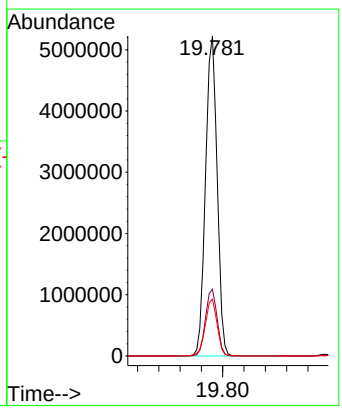
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

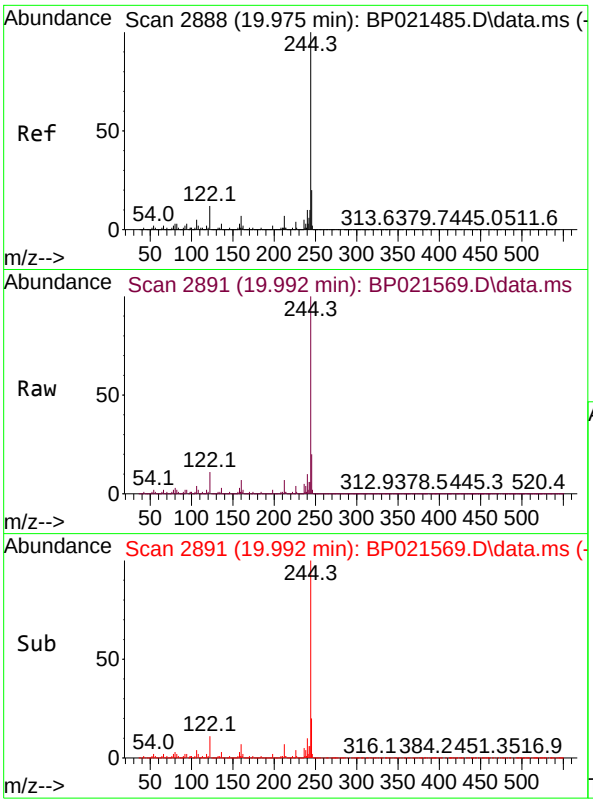


#78
Pyrene
Concen: 47.980 ng
RT: 19.781 min Scan# 2855
Delta R.T. 0.029 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:202 Resp: 7888730

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	17.8	14.1	21.1

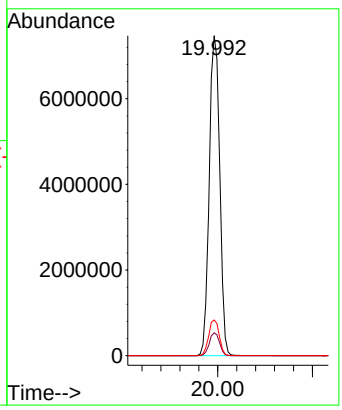




#79
Terphenyl-d14
Concen: 88.694 ng
RT: 19.992 min Scan# 2
Delta R.T. 0.017 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:244 Resp:1148436

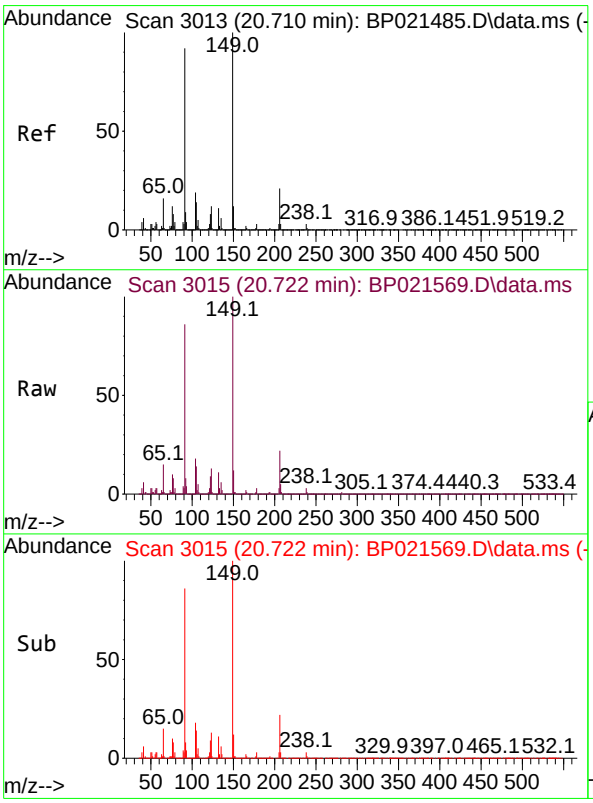
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.1	9.4	14.2



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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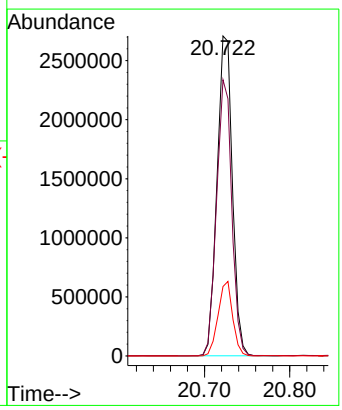
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

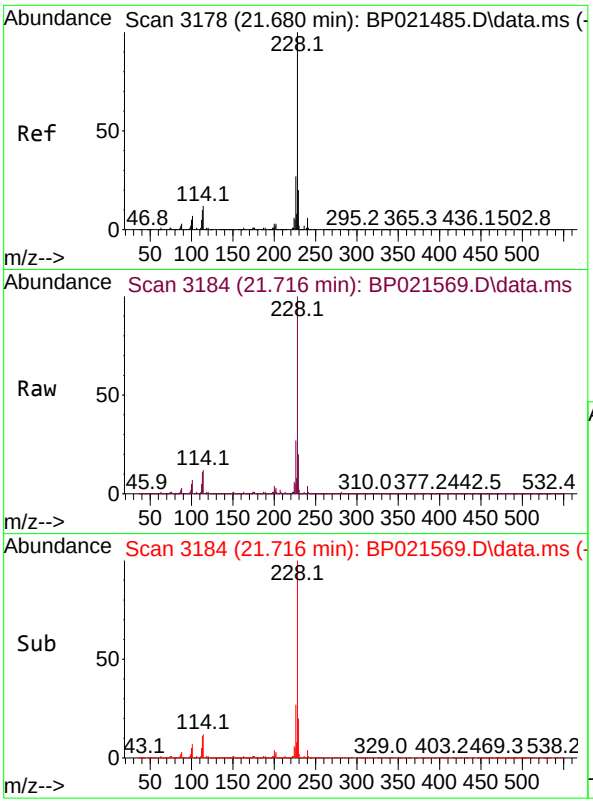


#80
Butylbenzylphthalate
Concen: 53.957 ng
RT: 20.722 min Scan# 3015
Delta R.T. 0.012 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:149 Resp: 3397196

Ion	Ratio	Lower	Upper
149	100		
91	86.3	73.3	109.9
206	21.7	17.1	25.7

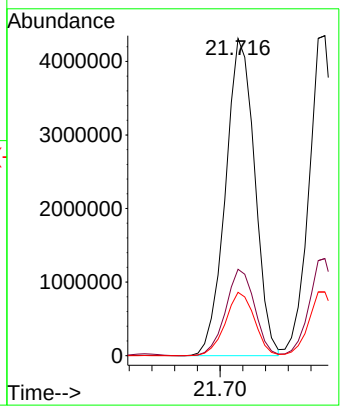




#81
Benzo(a)anthracene
Concen: 48.721 ng
RT: 21.716 min Scan# 3
Delta R.T. 0.035 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:228 Resp: 769367

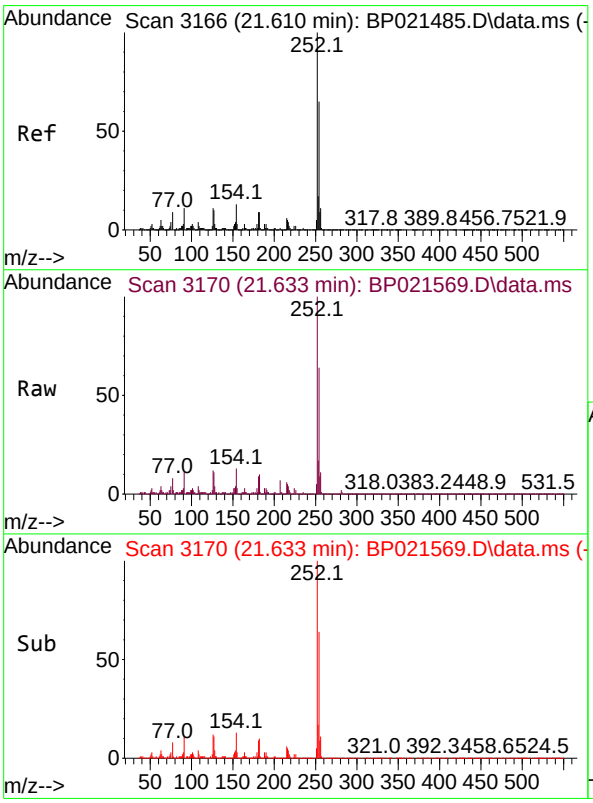
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.4	32.2
229	20.0	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
APPROVED

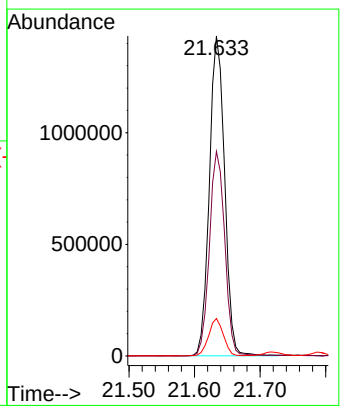
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

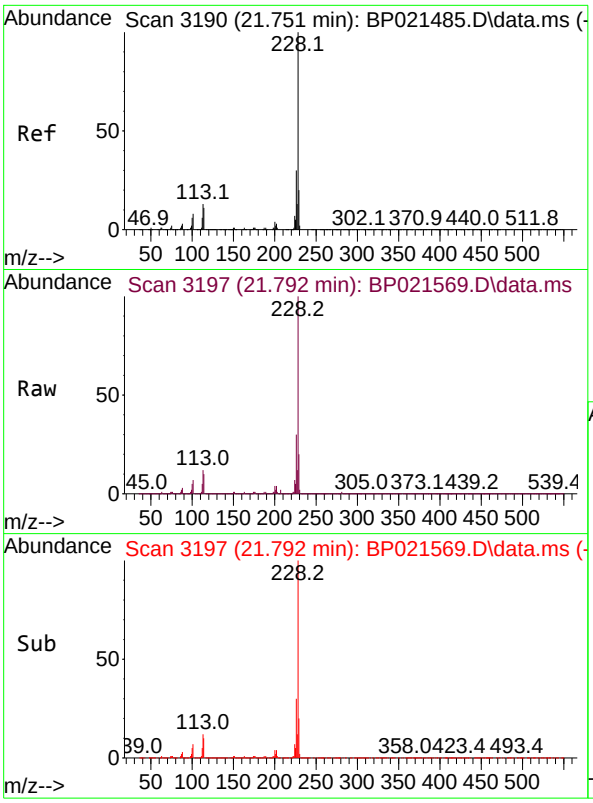


#82
3,3'-Dichlorobenzidine
Concen: 45.726 ng
RT: 21.633 min Scan# 3170
Delta R.T. 0.024 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:252 Resp: 2315165

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.7	77.5
126	11.7	8.7	13.1

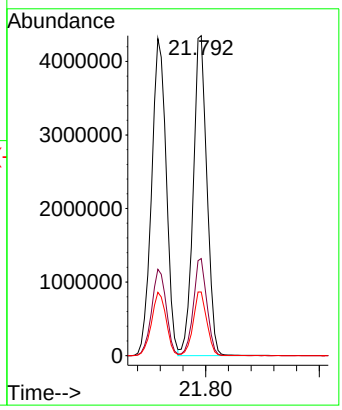




#83
Chrysene
Concen: 48.803 ng
RT: 21.792 min Scan# 3
Delta R.T. 0.041 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:228 Resp: 727621

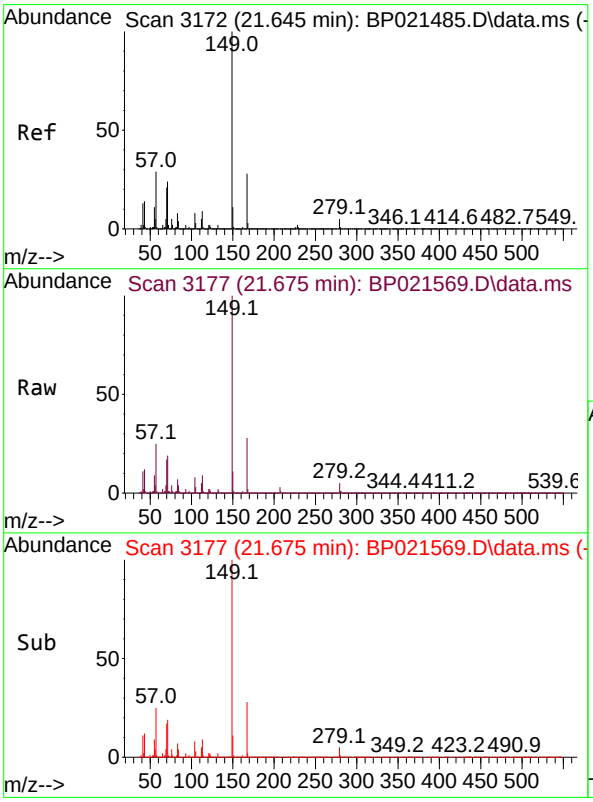
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	19.9	15.8	23.6



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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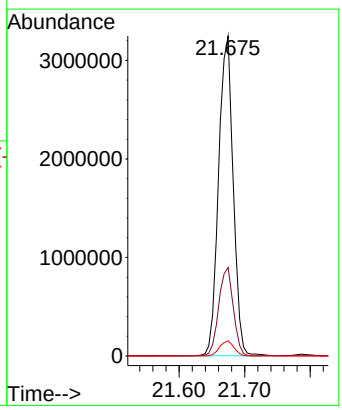
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

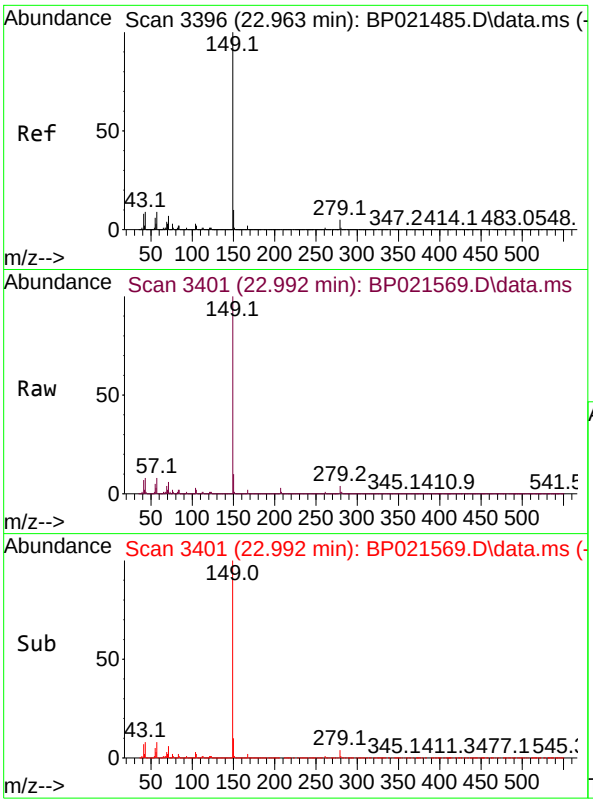


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.521 ng
RT: 21.675 min Scan# 3177
Delta R.T. 0.029 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:149 Resp: 4995239

Ion	Ratio	Lower	Upper
149	100		
167	27.6	22.3	33.5
279	4.8	3.8	5.6





#85
Di-n-octyl phthalate
Concen: 52.619 ng
RT: 22.992 min Scan# 34
Delta R.T. 0.029 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

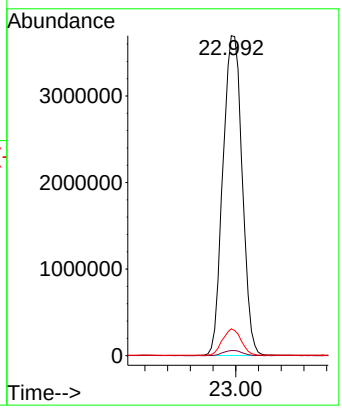
Tgt Ion:149 Resp: 871174

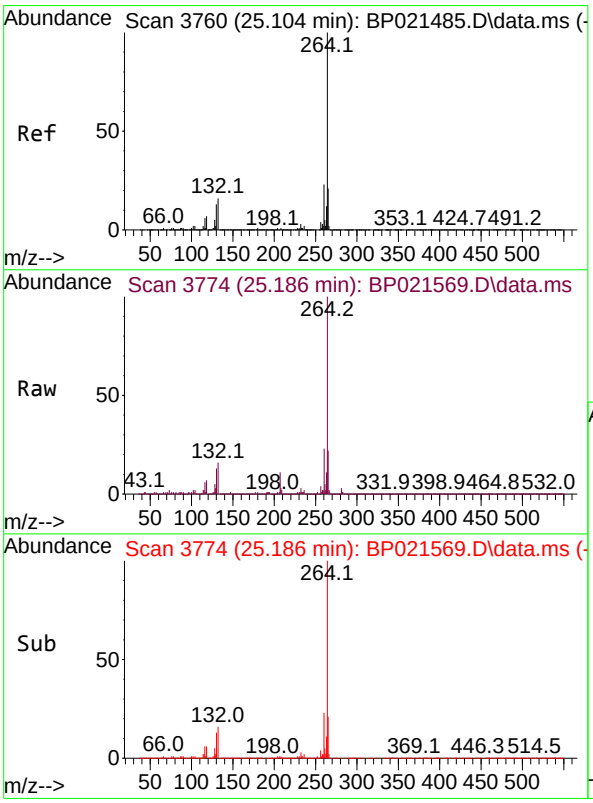
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.0	7.3	10.9

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

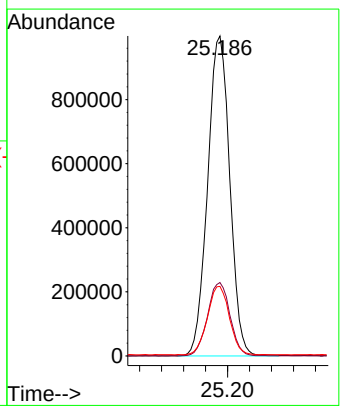


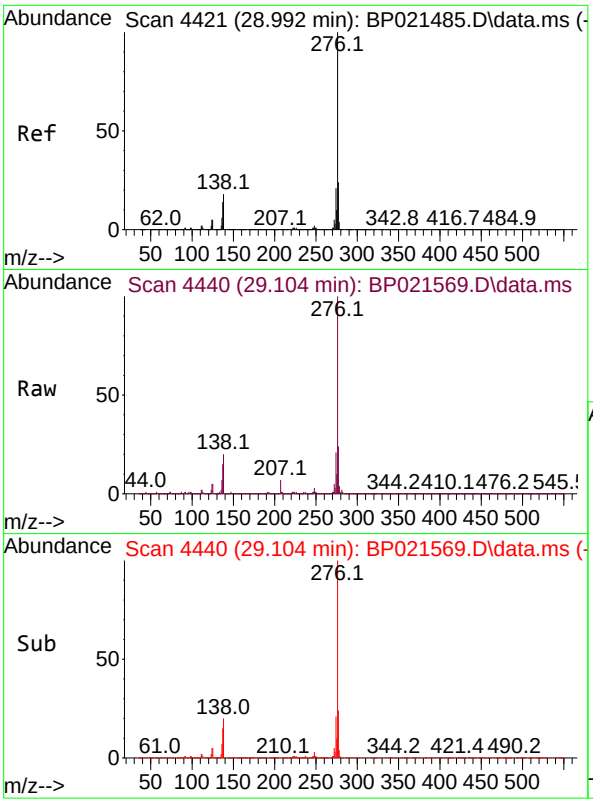


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.186 min Scan# 3774
Delta R.T. 0.082 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:264 Resp: 2791666

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	28.0
265	21.8	17.1	25.7

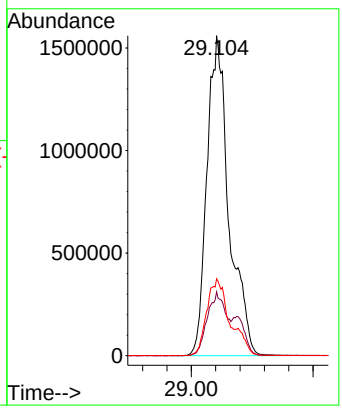




#87
Indeno(1,2,3-cd)pyrene
Concen: 53.928 ng
RT: 29.104 min Scan# 4
Delta R.T. 0.112 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:276 Resp: 975882

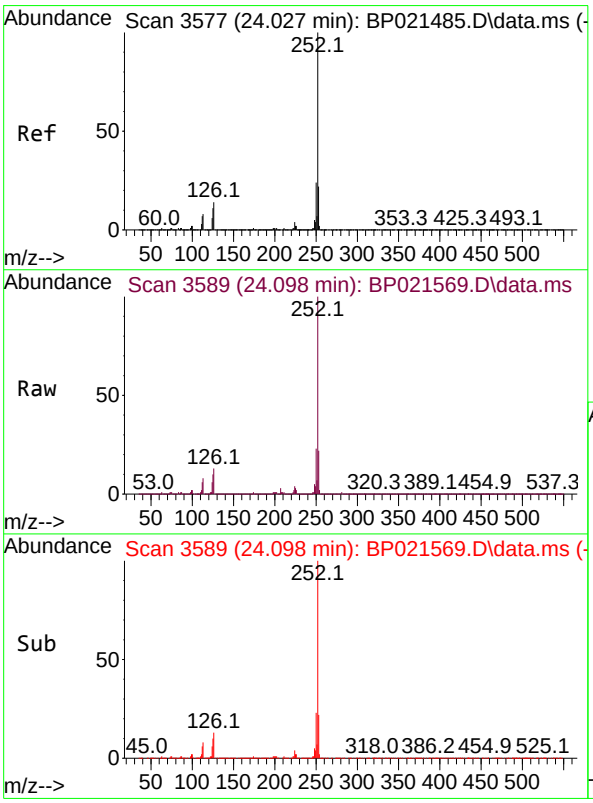
Ion	Ratio	Lower	Upper
276	100		
138	17.1	12.8	19.2
277	21.8	16.5	24.7



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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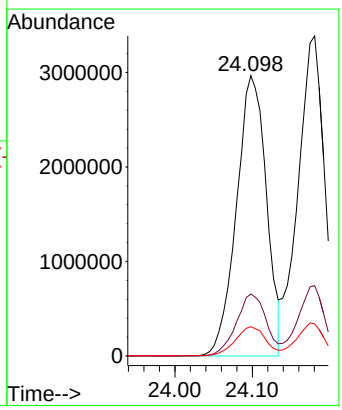
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

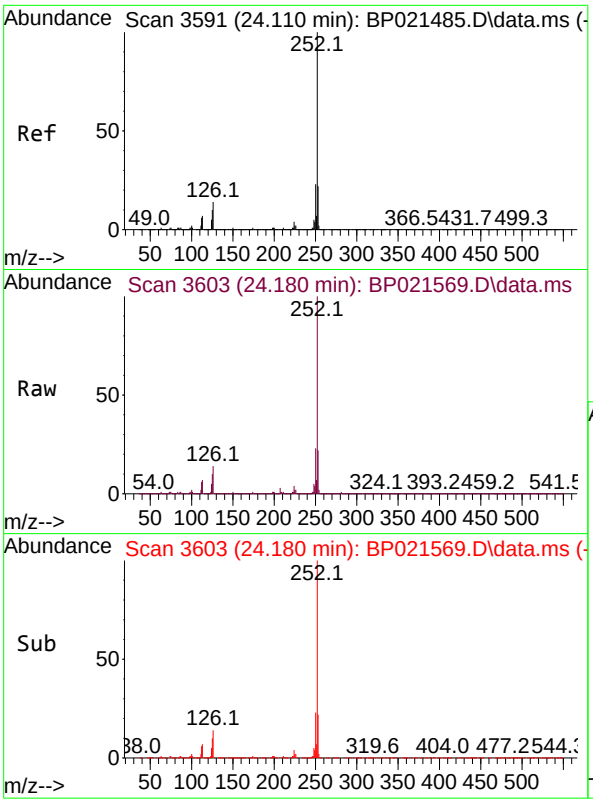


#88
Benzo(b)fluoranthene
Concen: 49.556 ng
RT: 24.098 min Scan# 3589
Delta R.T. 0.071 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:252 Resp: 7945368

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	10.5	8.6	13.0

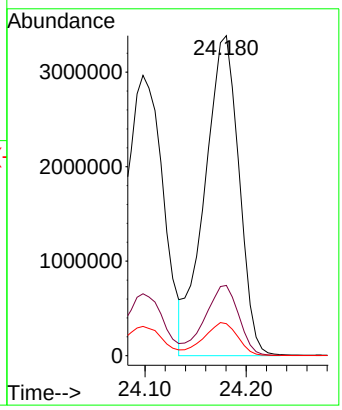




#89
Benzo(k)fluoranthene
Concen: 50.980 ng m
RT: 24.180 min Scan# 3
Delta R.T. 0.071 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:252 Resp: 797359

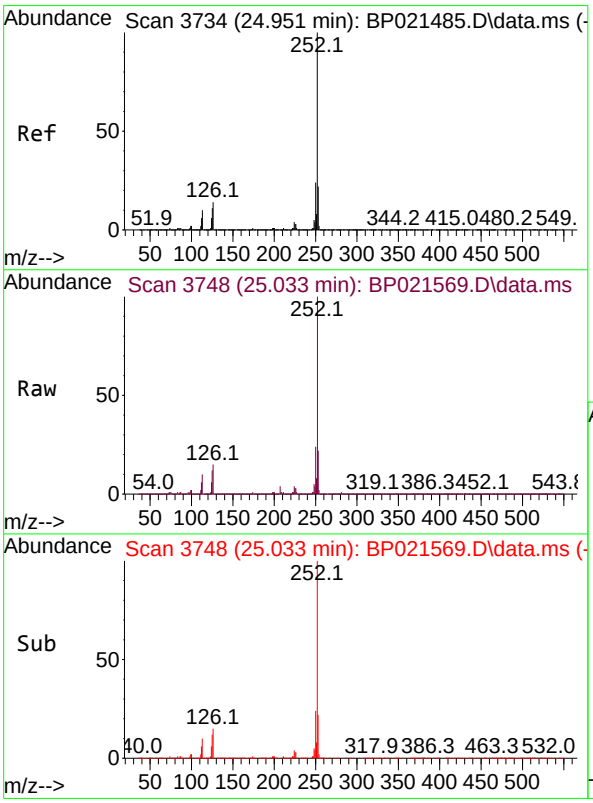
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.0	7.8	11.8



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
APPROVED

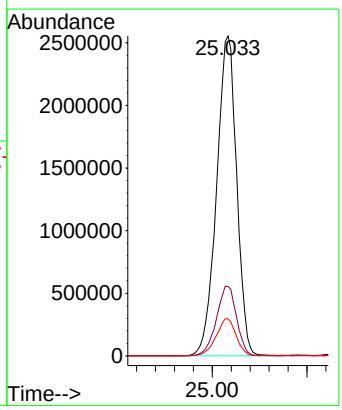
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

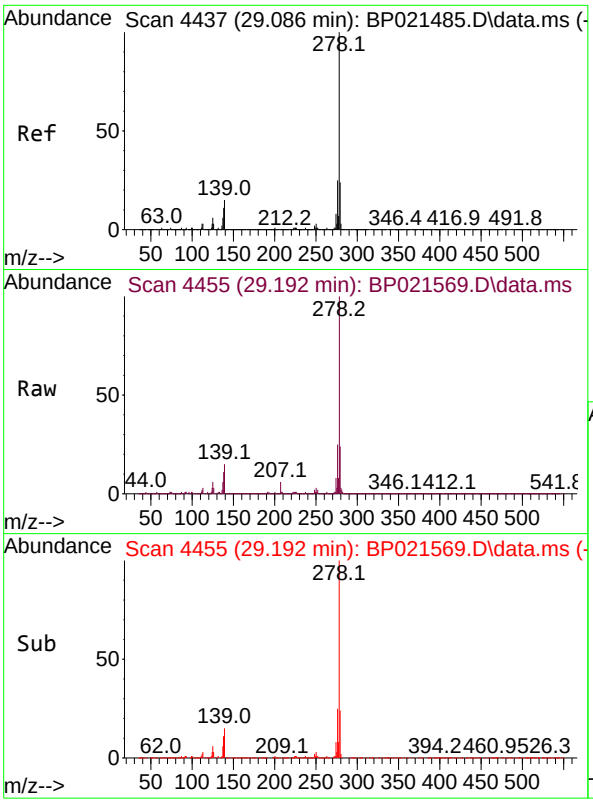


#90
Benzo(a)pyrene
Concen: 54.014 ng
RT: 25.033 min Scan# 3748
Delta R.T. 0.082 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:252 Resp: 7515255

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	11.6	8.7	13.1

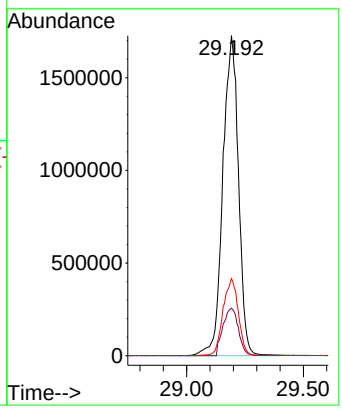




#91
Dibenzo(a,h)anthracene
Concen: 53.335 ng
RT: 29.192 min Scan# 44
Delta R.T. 0.106 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:278 Resp: 801935

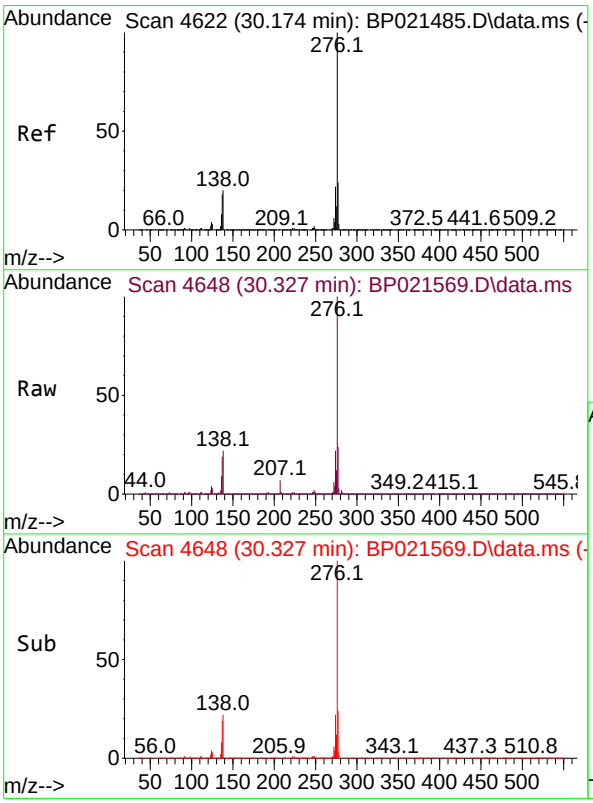
Ion	Ratio	Lower	Upper
278	100		
139	14.8	12.2	18.4
279	24.1	19.1	28.7



Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations
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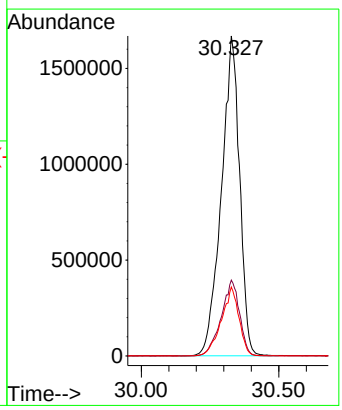
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#92
Benzo(g,h,i)perylene
Concen: 50.941 ng
RT: 30.327 min Scan# 4648
Delta R.T. 0.153 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Tgt Ion:276 Resp: 7676781

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	21.6	16.0	24.0



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Manual Integration Report

Sequence:	BP081324	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP021482.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:48:54 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC010	BP021483.D	2,2"-oxybis(1-Chloropropane)	yogesh	8/14/2024 5:48:55 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC020	BP021484.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:48:57 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICCC040	BP021485.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:48:59 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICCC040	BP021485.D	Pyridine	yogesh	8/14/2024 5:48:59 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC050	BP021486.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:00 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC050	BP021486.D	Pyridine	yogesh	8/14/2024 5:49:00 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC060	BP021487.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:01 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC060	BP021487.D	Pyridine	yogesh	8/14/2024 5:49:01 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC080	BP021488.D	Caprolactam	yogesh	8/14/2024 5:49:03 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC080	BP021488.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:03 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICC080	BP021488.D	Pyridine	yogesh	8/14/2024 5:49:03 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software
SSTDICV040	BP021489.D	Indeno(1,2,3-cd)pyrene	yogesh	8/14/2024 5:49:04 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP081324	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BP021489.D	Pyridine	yogesh	8/14/2024 5:49:04 AM	mohammad	8/14/2024 6:23:14 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP082024	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP021566.D	Benzaldehyde	yogesh	8/21/2024 1:30:12 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
SSTDCCC040	BP021566.D	Indeno(1,2,3-cd)pyrene	yogesh	8/21/2024 1:30:12 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
PB162822BS	BP021568.D	Acenaphthene	yogesh	8/21/2024 1:30:14 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
PB162822BS	BP021568.D	Benzaldehyde	yogesh	8/21/2024 1:30:14 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
PB162822BS	BP021568.D	Caprolactam	yogesh	8/21/2024 1:30:14 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
PB162822BS	BP021568.D	Indeno(1,2,3-cd)pyrene	yogesh	8/21/2024 1:30:14 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
PB162822BS	BP021568.D	Pyridine	yogesh	8/21/2024 1:30:14 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
PB162822BSD	BP021569.D	Acenaphthene	yogesh	8/21/2024 1:30:15 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
PB162822BSD	BP021569.D	Benzaldehyde	yogesh	8/21/2024 1:30:15 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
PB162822BSD	BP021569.D	Benzo(k)fluoranthene	yogesh	8/21/2024 1:30:15 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
PB162822BSD	BP021569.D	Caprolactam	yogesh	8/21/2024 1:30:15 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
PB162822BSD	BP021569.D	Pyridine	yogesh	8/21/2024 1:30:15 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
SSTDCCC040	BP021573.D	Benzaldehyde	yogesh	8/21/2024 1:30:19 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BP082024	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BP021573.D	Indeno(1,2,3-cd)pyrene	yogesh	8/21/2024 1:30:19 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
SSTDCCC040	BP021575.D	Acenaphthene	yogesh	8/21/2024 1:30:23 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
SSTDCCC040	BP021575.D	Indeno(1,2,3-cd)pyrene	yogesh	8/21/2024 1:30:23 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
SSTDCCC040	BP021590.D	Acenaphthene	Jagrut	8/21/2024 10:20:54 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software
SSTDCCC040	BP021590.D	Indeno(1,2,3-cd)pyrene	Jagrut	8/21/2024 10:20:54 AM	mohammad	8/22/2024 7:51:42 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081324

Review By	yogesh	Review On	8/14/2024 5:49:15 AM		
Supervise By	mohammad	Supervise On	8/14/2024 6:23:14 AM		
SubDirectory	BP081324	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP021480.D	13 Aug 2024 11:49	RC/JU	Ok
2	SSTDICC2.5	BP021481.D	13 Aug 2024 12:32	RC/JU	Ok
3	SSTDICC005	BP021482.D	13 Aug 2024 13:15	RC/JU	Ok,M
4	SSTDICC010	BP021483.D	13 Aug 2024 13:59	RC/JU	Ok,M
5	SSTDICC020	BP021484.D	13 Aug 2024 14:42	RC/JU	Ok,M
6	SSTDICCC040	BP021485.D	13 Aug 2024 15:26	RC/JU	Ok,M
7	SSTDICC050	BP021486.D	13 Aug 2024 16:09	RC/JU	Ok,M
8	SSTDICC060	BP021487.D	13 Aug 2024 16:53	RC/JU	Ok,M
9	SSTDICC080	BP021488.D	13 Aug 2024 17:36	RC/JU	Ok,M
10	SSTDICV040	BP021489.D	13 Aug 2024 19:03	RC/JU	Ok,M
11	PB162612TB	BP021490.D	13 Aug 2024 19:46	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082024

Review By	yogesh	Review On	8/21/2024 1:30:32 AM		
Supervise By	mohammad	Supervise On	8/22/2024 7:51:42 AM		
SubDirectory	BP082024	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP021565.D	20 Aug 2024 09:25	RC/JU	Ok
2	SSTDCCC040	BP021566.D	20 Aug 2024 10:07	RC/JU	Ok,M
3	PB162822BL	BP021567.D	20 Aug 2024 10:49	RC/JU	Ok
4	PB162822BS	BP021568.D	20 Aug 2024 11:31	RC/JU	Ok,M
5	PB162822BSD	BP021569.D	20 Aug 2024 12:13	RC/JU	Ok,M
6	P3650-01	BP021570.D	20 Aug 2024 12:59	RC/JU	Ok
7	P3650-04	BP021571.D	20 Aug 2024 13:42	RC/JU	Ok
8	P3519-03RE	BP021572.D	20 Aug 2024 14:25	RC/JU	Confirms
9	SSTDCCC040	BP021573.D	20 Aug 2024 15:14	RC/JU	Ok,M
10	DFTPP	BP021574.D	20 Aug 2024 15:57	RC/JU	Ok
11	SSTDCCC040	BP021575.D	20 Aug 2024 16:40	RC/JU	Ok,M
12	PB162631BL	BP021576.D	20 Aug 2024 17:24	RC/JU	Ok
13	P3643-10	BP021577.D	20 Aug 2024 18:07	RC/JU	Ok
14	P3643-12	BP021578.D	20 Aug 2024 18:51	RC/JU	Ok
15	P3643-14	BP021579.D	20 Aug 2024 19:34	RC/JU	Ok
16	P3600-06	BP021580.D	20 Aug 2024 20:17	RC/JU	Ok,M
17	P3600-06MS	BP021581.D	20 Aug 2024 21:01	RC/JU	Ok,M
18	P3600-06MSD	BP021582.D	20 Aug 2024 21:44	RC/JU	Ok,M
19	P3518-15RE	BP021583.D	20 Aug 2024 22:27	RC/JU	Confirms
20	P3518-15MS	BP021584.D	20 Aug 2024 23:10	RC/JU	Ok,M
21	P3518-15MSD	BP021585.D	20 Aug 2024 23:53	RC/JU	Ok,M

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082024

Review By	yogesh	Review On	8/21/2024 1:30:32 AM				
Supervise By	mohammad	Supervise On	8/22/2024 7:51:42 AM				
SubDirectory	BP082024	HP Acquire Method	BNA_P		HP Processing Method	BP081324	

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P3518-23RE	BP021586.D	21 Aug 2024 00:36	RC/JU	Confirms
23	P3518-25RE	BP021587.D	21 Aug 2024 01:19	RC/JU	Confirms
24	P3518-29RE	BP021588.D	21 Aug 2024 02:02	RC/JU	Confirms
25	P3657-01	BP021589.D	21 Aug 2024 02:44	RC/JU	Ok
26	SSTDCCC040	BP021590.D	21 Aug 2024 03:27	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP081324

Review By	yogesh	Review On	8/14/2024 5:49:15 AM		
Supervise By	mohammad	Supervise On	8/14/2024 6:23:14 AM		
SubDirectory	BP081324	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP021480.D	13 Aug 2024 11:49		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP021481.D	13 Aug 2024 12:32		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP021482.D	13 Aug 2024 13:15	Compound #32,54,56,65,70,77,85 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP021483.D	13 Aug 2024 13:59		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP021484.D	13 Aug 2024 14:42	Compound #48,51,53,56,57,62,80,85 Kept on LR and Compound #26,32,54,65,77 Kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP021485.D	13 Aug 2024 15:26	The Calibration is Good For 8270 DOD except com#32,77 and good for 8270E	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BP021486.D	13 Aug 2024 16:09		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP021487.D	13 Aug 2024 16:53		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP021488.D	13 Aug 2024 17:36	Compound #9 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBP081324	BP021489.D	13 Aug 2024 19:03	Com#32 and 77 failed in ICV for 8270 DOD Criteria	RC/JU	Ok,M
11	PB162612TB	PB162612TB	BP021490.D	13 Aug 2024 19:46	Already analyzed with ok status	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082024

Review By	yogesh	Review On	8/21/2024 1:30:32 AM		
Supervise By	mohammad	Supervise On	8/22/2024 7:51:42 AM		
SubDirectory	BP082024	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BP021565.D	20 Aug 2024 09:25		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP021566.D	20 Aug 2024 10:07		RC/JU	Ok,M
3	PB162822BL	PB162822BL	BP021567.D	20 Aug 2024 10:49		RC/JU	Ok
4	PB162822BS	PB162822BS	BP021568.D	20 Aug 2024 11:31		RC/JU	Ok,M
5	PB162822BSD	PB162822BSD	BP021569.D	20 Aug 2024 12:13		RC/JU	Ok,M
6	P3650-01	RW7-SP100-20240814	BP021570.D	20 Aug 2024 12:59		RC/JU	Ok
7	P3650-04	RW7-SP303-20240814	BP021571.D	20 Aug 2024 13:42		RC/JU	Ok
8	P3519-03RE	OU4-TS-17-080724RE	BP021572.D	20 Aug 2024 14:25	Surrogate Fail	RC/JU	Confirms
9	SSTDCCC040	SSTDCCC040EC	BP021573.D	20 Aug 2024 15:14		RC/JU	Ok,M
10	DFTPP	DFTPP	BP021574.D	20 Aug 2024 15:57		RC/JU	Ok
11	SSTDCCC040	SSTDCCC040	BP021575.D	20 Aug 2024 16:40		RC/JU	Ok,M
12	PB162631BL	PB162631BL	BP021576.D	20 Aug 2024 17:24		RC/JU	Ok
13	P3643-10	924-K1-SD-0.5-1-08152	BP021577.D	20 Aug 2024 18:07		RC/JU	Ok
14	P3643-12	921-J-SD-0.5-1-081524	BP021578.D	20 Aug 2024 18:51		RC/JU	Ok
15	P3643-14	921-J-SD-0.5-1-081524	BP021579.D	20 Aug 2024 19:34		RC/JU	Ok
16	P3600-06	VCPS-B3-081324-10-1	BP021580.D	20 Aug 2024 20:17		RC/JU	Ok,M
17	P3600-06MS	VCPS-B3-081324-10-1	BP021581.D	20 Aug 2024 21:01		RC/JU	Ok,M
18	P3600-06MSD	VCPS-B3-081324-10-1	BP021582.D	20 Aug 2024 21:44		RC/JU	Ok,M

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Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QCBatch ID # BP082024

Review By	yogesh	Review On	8/21/2024 1:30:32 AM		
Supervise By	mohammad	Supervise On	8/22/2024 7:51:42 AM		
SubDirectory	BP082024	HP Acquire Method	BNA_P	HP Processing Method	BP081324

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6595,SP6594,SP6593,SP6592,SP6591,SP6590,SP6589,SP6588
CCC	SP6591
Internal Standard/PEM	S12041,10ul/1000ul sample
ICV/I.BLK	SP6559
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P3518-15RE	OU4-TS-08-080724RE	BP021583.D	20 Aug 2024 22:27	Surrogate Fail	RC/JU	Confirms
20	P3518-15MS	OU4-TS-08-080724MS	BP021584.D	20 Aug 2024 23:10		RC/JU	Ok,M
21	P3518-15MSD	OU4-TS-08-080724MS	BP021585.D	20 Aug 2024 23:53		RC/JU	Ok,M
22	P3518-23RE	OU4-TS-12-080724RE	BP021586.D	21 Aug 2024 00:36	Surrogate Fail	RC/JU	Confirms
23	P3518-25RE	OU4-TS-13-080724RE	BP021587.D	21 Aug 2024 01:19	Surrogate Fail	RC/JU	Confirms
24	P3518-29RE	OU4-TS-15-080724RE	BP021588.D	21 Aug 2024 02:02	Surrogate Fail	RC/JU	Confirms
25	P3657-01	917-J-WS-081624	BP021589.D	21 Aug 2024 02:44		RC/JU	Ok
26	SSTDCCC040	SSTDCCC040EC	BP021590.D	21 Aug 2024 03:27		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB162822

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#: E3574

Extraction By: RS

Filter By: RP

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 08/19/2024

Extraction Start Time : 09:40

Extraction End Date : 08/19/2024

Extraction End Time : 14:35

Concentration By: RS

Supervisor By : rajesh

Extraction Method: [√] Seperatory Funne [_] 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	SP6604
Surrogate	1.0ML	100/150 PPM	SP6524
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	E3787
Baked Na2SO4	N/A	EP2521
H2SO4 1:1	N/A	EP2524
10N NaoH	N/A	EP2523
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted to < 2 with 1:1 H2SO4 and > 11 with 10N NaoH, 1.5ML Vial Lot # 2210673.

KD Bath ID: WATER BATH-1

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/19/24	RP (Ext. Tech)	RC/SVOC
14:40	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB162822

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 08/19/2024

Sample ID	Client Sample ID	Test	g /mL	PH	Surr/Spike By:		Final Vol.(mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB162822BL	SBLK822	SVOCMS Group5	1000	6	RUPESH	rajesh	1			SEP-10
PB162822BS	SLCS822	SVOCMS Group5	1000	6	RUPESH	rajesh	1			11
PB162822BSD	SLCSD822	SVOCMS Group5	1000	6	RUPESH	rajesh	1			12
P3650-01	RW7-SP100-20240814	SVOCMS Group5	1000	6	RUPESH	rajesh	1	B		13
P3650-04	RW7-SP303-20240814	SVOCMS Group5	1000	6	RUPESH	rajesh	1	B		14
P3657-01	917-J-WS-081624	SVOCMS Group6	960	6	RUPESH	rajesh	1	E		15

8/19/24

* **Extracts relinquished on the same date as received.**

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P3651 **WorkList ID :** 182767 **Department :** Extraction **Date :** 08-19-2024 09:38:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P3650-01	RW7-SP100-20240814	Water	SVOCMS Group5	Cool 4 deg C	TETR06	G11	08/14/2024	8270E
P3650-04	RW7-SP303-20240814	Water	SVOCMS Group5	Cool 4 deg C	TETR06	G11	08/14/2024	8270E
P3657-01	917-J-WS-081624	Water	SVOCMS Group6	Cool 4 deg C	JACO05	G11	08/16/2024	8270E

Date/Time 08/19/24 9:38

Raw Sample Received by: RS (Cert Lab)

Raw Sample Relinquished by:

Date/Time 08/19/24 10:00

Raw Sample Received by:

Raw Sample Relinquished by: RS (Cert Lab)

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Prep Standard - Chemical Standard Summary

Order ID : P3657

Test : SVOCMS Group6

Prepbatch ID : PB162822,

Sequence ID/Qc Batch ID: BP082024,BP082024,BP082024,

Standard ID :
EP2521,EP2523,EP2524,SP6524,SP6558,SP6559,SP6573,SP6587,SP6588,SP6589,SP6590,SP6591,SP6592,SP6593,SP6594,SP6595,SP6604,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3744,E3768,E3780,E3786,E3787,M5037,S10103,S10247,S10398,S10583,S10972,S10973,S10974,S10975,S10976,S10977,S10996,S10997,S10998,S10999,S11000,S11001,S11002,S11003,S11012,S11084,S11093,S11097,S11103,S11138,S11141,S11494,S11555,S11561,S11566,S11567,S11766,S11767,S11768,S11769,S11770,S12033,S12039,S12041,S12077,S12097,S12098,S12099,S12100,S12101,S12102,S12103,S12104,S12105,S12112,S12117,S12118,S12119,S12120,S12121,S12122,S12123,S12124,S12125,S12126,S12449,S12450,S12451,S12452,S12453,W3112,

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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	EP2521	08/10/2024	01/03/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/10/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2523	08/14/2024	02/14/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/14/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2524	08/14/2024	12/15/2024	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 08/14/2024

FROM 1000.00000ml of M5037 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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	SP6524	05/31/2024	11/29/2024	Jagrut Upadhyay	None	None	Yogesh Patel 06/13/2024

FROM 1930.00000ml of E3744 + 2.90000ml of S11003 + 3.00000ml of S10977 + 5.30000ml of S10996 + 5.30000ml of S10997 + 5.30000ml of S10998 + 5.30000ml of S10999 + 5.30000ml of S11000 + 5.30000ml of S11001 + 5.30000ml of S11002 + 5.40000ml of S10972 + 5.40000ml of S10973 + 5.40000ml of S10974 + 5.40000ml of S10975 + 5.40000ml of S10976 = 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)	SP6558	07/09/2024	11/30/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/11/2024

FROM 0.04000ml of S10977 + 0.08000ml of S11003 + 0.10000ml of S11766 + 0.20000ml of S11566 + 0.20000ml of S12097 + 0.20000ml of S12117 + 1.18000ml of E3768 = 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	SP6559	07/09/2024	11/30/2024	Jagrut Upadhyay	None	None	mohammad ahmed 07/11/2024

FROM 0.01000ml of S12033 + 0.60000ml of E3768 + 0.40000ml of SP6558 = 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	SP6573	07/15/2024	01/08/2025	Rahul Chavli	None	None	Yogesh Patel 07/17/2024

FROM 1.00000ml of S10247 + 19.00000ml of E3768 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6587	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.26700ml of S10103 + 0.40000ml of S11494 + 0.50000ml of S12112 + 1.00000ml of S11084 + 1.00000ml of S11093 + 1.00000ml of S11097 + 1.00000ml of S11103 + 1.00000ml of S12077 + 3.83300ml of E3786 = Final Quantity: 10.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6588	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.20000ml of E3786 + 0.80000ml of SP6587 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6589	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.40000ml of E3786 + 0.60000ml of SP6587 = 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
411	50 ng BNA ICC, 50 PPM	SP6590	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.50000ml of E3786 + 0.50000ml of SP6587 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6591	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.60000ml of E3786 + 0.40000ml of SP6587 = 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
3678	20 ng BNA ICC, 20 PPM	SP6592	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.80000ml of E3786 + 0.20000ml of SP6587 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6593	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.90000ml of E3786 + 0.10000ml of SP6587 = 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
407	5 ng BNA ICC, 5 PPM	SP6594	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.95000ml of E3786 + 0.05000ml of SP6587 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6595	08/08/2024	01/09/2025	Jagrut Upadhyay	None	None	Yogesh Patel 08/17/2024

FROM 0.01000ml of S12039 + 0.50000ml of E3786 + 0.50000ml of SP6594 = 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
171	8270/625 Spike Solution, 50/100 PPM	SP6604	08/12/2024	10/26/2024	Rahul Chavli	None	None	Yogesh Patel 08/21/2024

FROM 0.20000ml of S12126 + 0.40000ml of S10398 + 0.40000ml of S10583 + 0.40000ml of S11012 + 0.40000ml of S11138 + 0.40000ml of S11141 + 0.50000ml of S12105 + 0.50000ml of S12453 + 0.70000ml of S12097 + 0.80000ml of S11566 + 0.80000ml of S12118 + 1.20000ml of S11555 + 1.20000ml of S11561 + 1.20000ml of S11767 + 1.20000ml of S11769 + 1.20000ml of S12099 + 1.20000ml of S12101 + 1.20000ml of S12104 + 1.20000ml of S12119 + 1.20000ml of S12121 + 1.20000ml of S12449 + 1.20000ml of S12451 + 1.30000ml of S11567 + 1.30000ml of S11768 + 1.30000ml of S11770 + 1.30000ml of S12098 + 1.30000ml of S12100 + 1.30000ml of S12102 + 1.30000ml of S12103 + 1.30000ml of S12120 + 1.30000ml of S12122 + 1.30000ml of S12123 + 1.30000ml of S12124 + 1.30000ml of S12450 + 1.30000ml of S12452 + 1.40000ml of S12125 + 163.00000ml of E3780 = Final Quantity: 200.000 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	01/03/2025	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)	23H14626005	11/29/2024	05/29/2024 / Rajesh	05/23/2024 / Rajesh	E3744

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)	24E2462004	01/08/2025	07/08/2024 / Rajesh	06/21/2024 / Rajesh	E3768

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)	23H1462005	02/10/2025	08/10/2024 / Rajesh	07/24/2024 / Rajesh	E3780

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)	24F1062004	02/01/2025	08/01/2024 / Rajesh	07/16/2024 / Rajesh	E3786

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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)	24G0862022	02/13/2025	08/13/2024 / Rajesh	08/07/2024 / Rajesh	E3787

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)	0000250349	12/15/2024	01/06/2022 / mohan	09/18/2021 / mohan	M5037

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	02/08/2025	08/08/2024 / Jagrut	12/09/2021 / Christian	S10103

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	01/15/2025	07/15/2024 / Rahul	03/18/2022 / Christian	S10247

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	10/26/2024	04/26/2024 / Rahul	05/18/2022 / Christian	S10398

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	02/12/2025	08/12/2024 / Rahul	07/05/2022 / Christian	S10583

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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	A0188108	08/31/2030	05/31/2024 / Jagrut	12/28/2022 / Christian	S10972

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10973

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10974

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10975

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10976

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10977

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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	08/31/2028	05/31/2024 / Jagrut	12/28/2022 / Christian	S10996

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10997

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10998

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S10999

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11000

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11001

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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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11002

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	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11003

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]	A0193449	10/26/2024	04/26/2024 / Rahul	01/13/2023 / Christian	S11012

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	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11084

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	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11093

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	495831	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11097

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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	02/08/2025	08/08/2024 / Jagrut	02/07/2023 / Christian	S11103

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]	A0194698	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11138

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	02/12/2025	08/12/2024 / Rahul	02/20/2023 / Christian	S11141

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	02/08/2025	08/08/2024 / Jagrut	08/11/2023 / Yogesh	S11494

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]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11555

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]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11561

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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]	A0201940	12/05/2024	06/05/2024 / Rahul	09/18/2023 / Kiran	S11566

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]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11567

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	12/14/2024	06/14/2024 / Rahul	11/21/2023 / Rahul	S11766

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	01/12/2025	07/12/2024 / Rahul	11/21/2023 / Rahul	S11767

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	02/12/2025	08/12/2024 / Rahul	11/21/2023 / Rahul	S11768

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	02/12/2025	08/12/2024 / Rahul	11/21/2023 / Rahul	S11769

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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	02/12/2025	08/12/2024 / Rahul	11/21/2023 / Rahul	S11770

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	A0201320	01/01/2025	07/01/2024 / Rahul	12/21/2023 / Rahul	S12033

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	A0201320	02/07/2025	08/07/2024 / anahy	12/21/2023 / Rahul	S12039

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	A0201320	02/13/2025	08/13/2024 / anahy	12/21/2023 / Rahul	S12041

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	02/08/2025	08/08/2024 / Jagrut	01/31/2024 / Rahul	S12077

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]	A0207706	01/09/2025	07/09/2024 / Jagrut	02/05/2024 / Rahul	S12097

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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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12098

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12099

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12100

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12101

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12102

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12103

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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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12104

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12105

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	01/09/2025	07/09/2024 / Jagrut	03/08/2024 / Rahul	S12112

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	12/05/2024	06/05/2024 / Rahul	03/15/2024 / Rahul	S12117

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	01/10/2025 / Jagrut	03/15/2024 / Rahul	S12118

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	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12119

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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	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12120

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	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12121

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	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12122

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	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12123

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	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12124

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	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12125

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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	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12126

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	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12449

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	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12450

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	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12451

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	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12452

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	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12453

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 #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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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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Certificate of Analysis

Rev 0

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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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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Received on 02/07/23 by CG

~~S11097~~ S11096 to S11099

Manufacturer's Quality System
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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	495831	≤ -10 °C	Methylene Chloride	10/30/2027	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	1003 ± 17.27
acenaphthylene	208-96-8	97.6	14.290.1P	999.8 ± 17.22
aniline	62-53-3	99.9	64.7.1P	995 ± 17.13
anthracene	120-12-7	99.5	15.7.1P	1001 ± 17.24
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 17.21
benzo[a]anthracene	56-55-3	100	16.7.3P	1001 ± 17.24
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1001 ± 19.91
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 17.92
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 19.88
benzo[a]pyrene	50-32-8	97	20.286.2P	999.1 ± 26.35
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 17.24
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	999.7 ± 17.89
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1001 ± 17.23
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.13P	999.5 ± 17.89
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 17.21
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 19.86
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1P	999.1 ± 17.2
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 19.58
carbazole	86-74-8	99.4	239.7.2P	1000 ± 17.22

*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: Briana Smith

Briana Smith
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.:** 495831 **Expiration Date:** 10/30/2027

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	1000 ± 17.22
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	1000 ± 17.22
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	1002 ± 17.25

*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: Briana Smith

Briana Smith
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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Rev 0 **Page 1 of 1**

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

Received on
02/07/23
by CG

S11101
to
S11103

*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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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		1,003.6 µg/mL	+/- 5.8897 µg/mL	Gravimetric
	CAS # 87-86-5	(Lot 211229RSR)		+/- 45.7132 µg/mL	Unstressed
	Purity 99%			+/- 66.0037 µg/mL	Stressed
2	DFTPP (Decafluorotriphenylphosphine)		1,006.6 µg/mL	+/- 5.9074 µg/mL	Gravimetric
	CAS # 5074-71-5	(Lot Q117-147)		+/- 45.8508 µg/mL	Unstressed
	Purity 95%			+/- 66.2023 µg/mL	Stressed
3	Benzidine		1,008.4 µg/mL	+/- 5.9179 µg/mL	Gravimetric
	CAS # 92-87-5	(Lot 211228JLM)		+/- 45.9318 µg/mL	Unstressed
	Purity 99%			+/- 66.3193 µg/mL	Stressed
4	4,4'-DDT		1,007.6 µg/mL	+/- 5.9132 µg/mL	Gravimetric
	CAS # 50-29-3	(Lot 210916JLM)		+/- 45.8954 µg/mL	Unstressed
	Purity 99%			+/- 66.2667 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

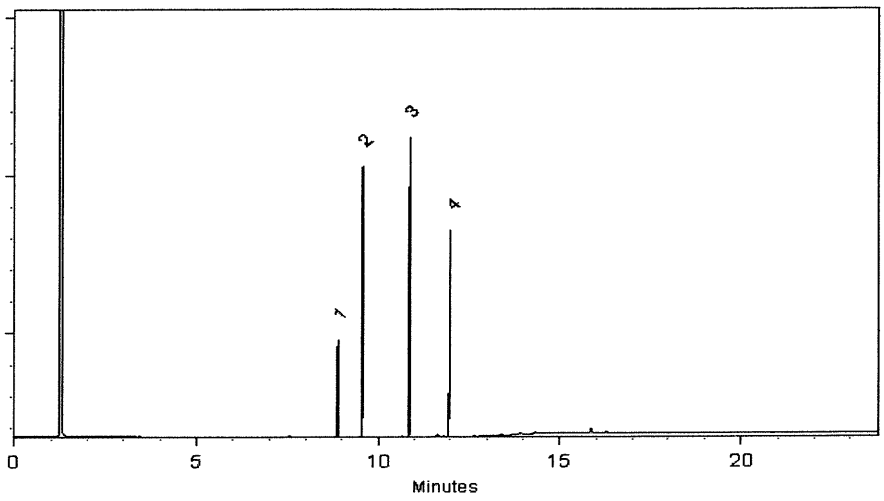
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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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 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
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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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 S10583 to S10592

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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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 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)

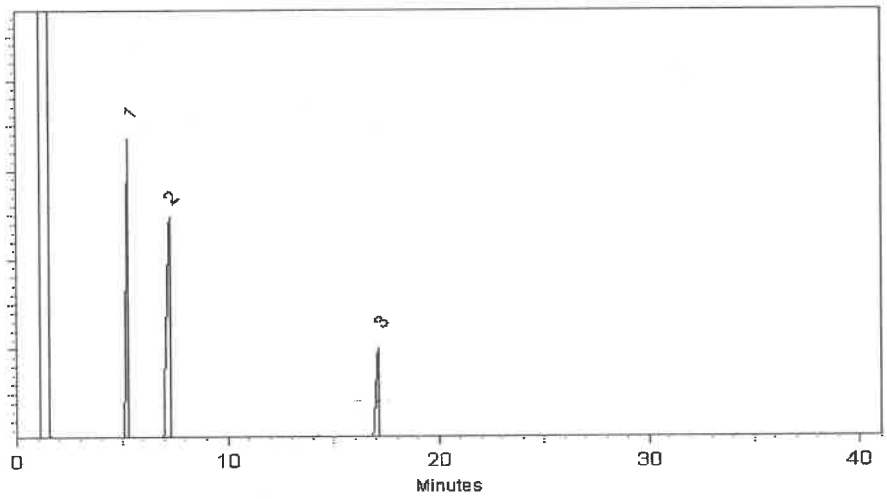
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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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.

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)

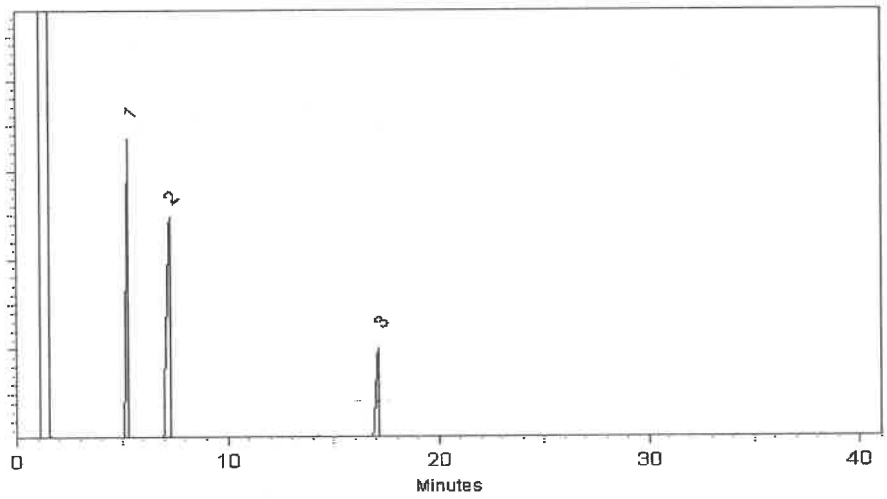
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

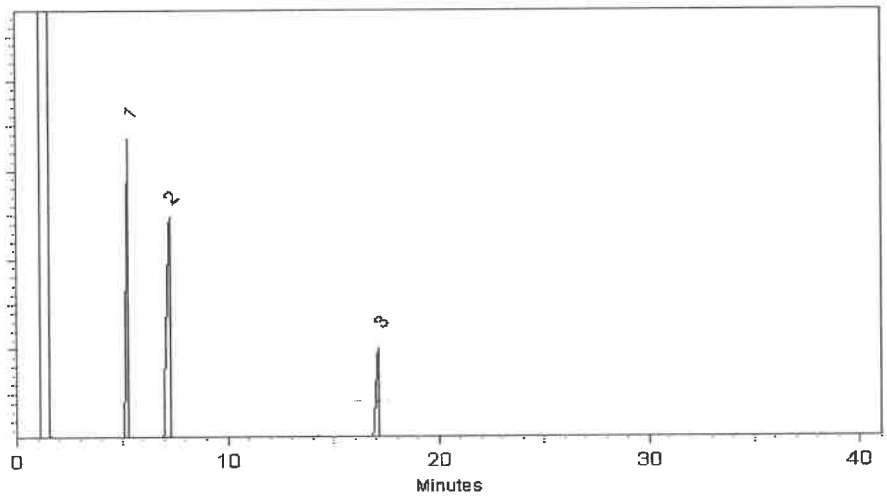
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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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)

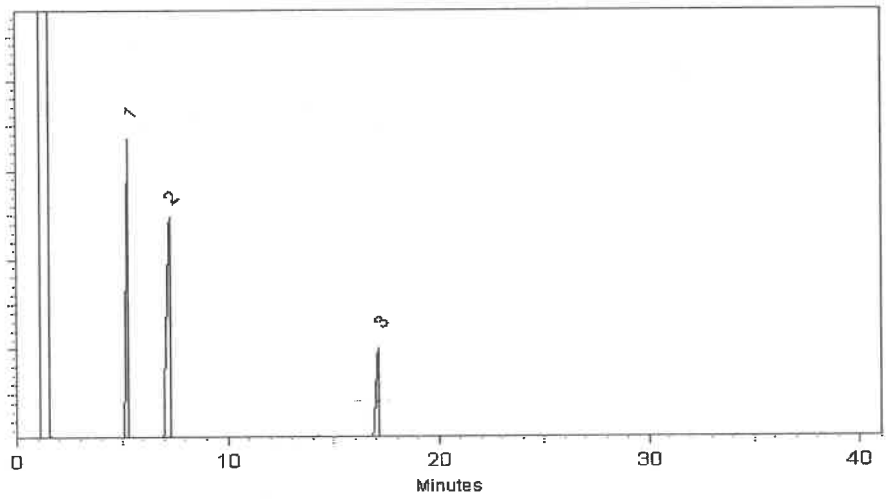
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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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)

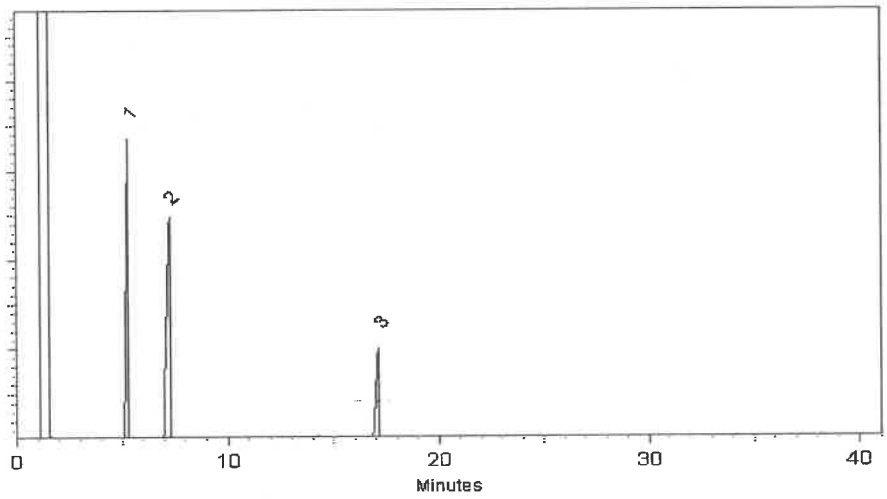
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

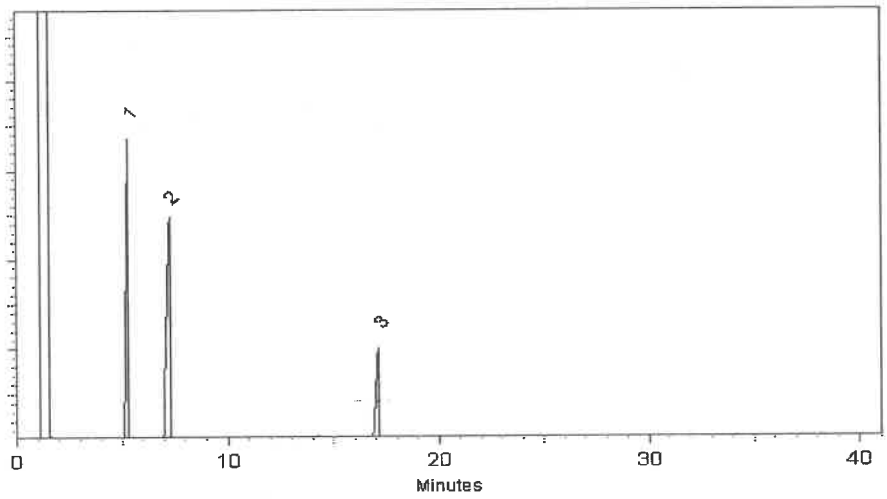
Carrier Gas:
hydrogen-constant pressure 10 psi.

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
S10981 to S11010

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)

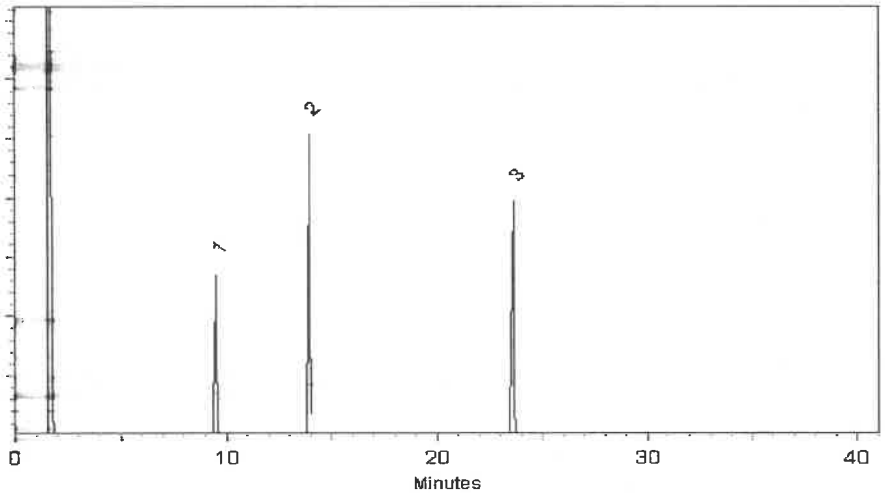
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10981 to S11010

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)

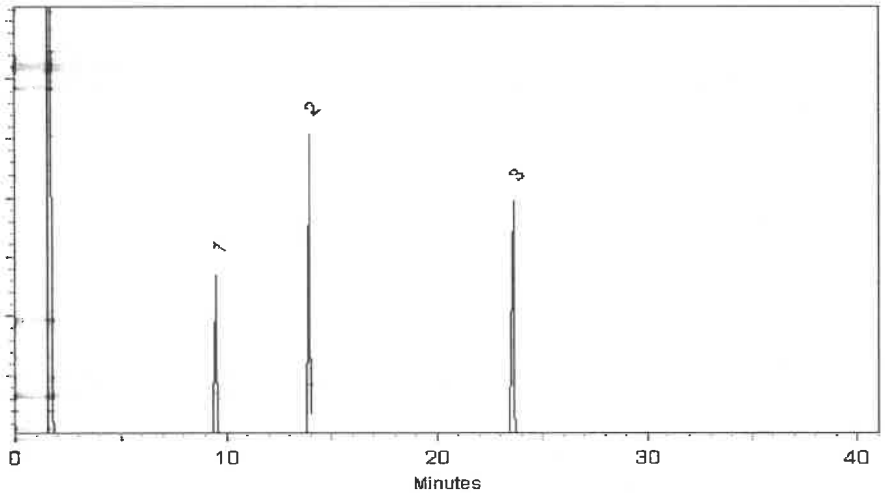
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22
S10981 to S11010

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)

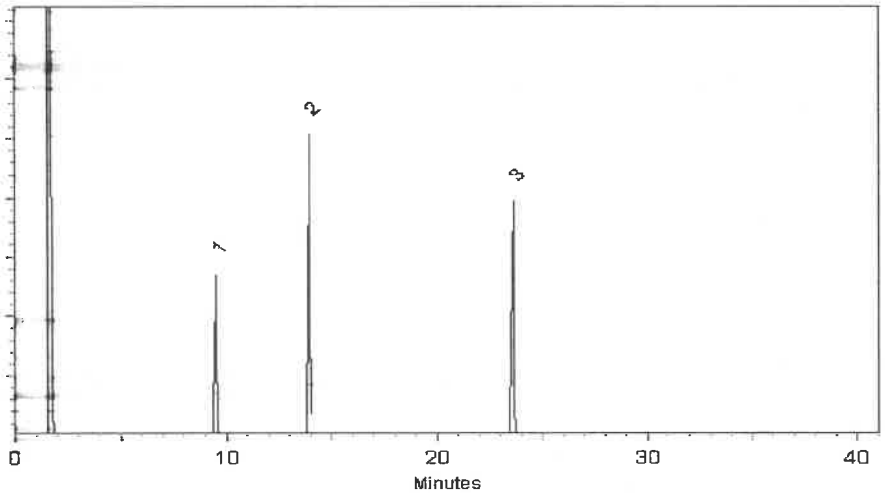
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

**Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397**

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Received by CG on 12/28/22
S10981 to S11010

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)

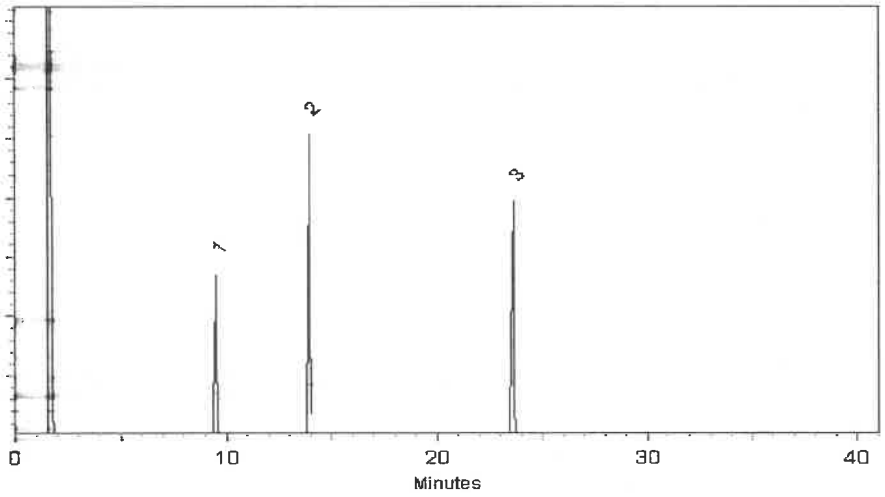
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

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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.

Received by CG on 12/28/22
S10981 to S11010

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)

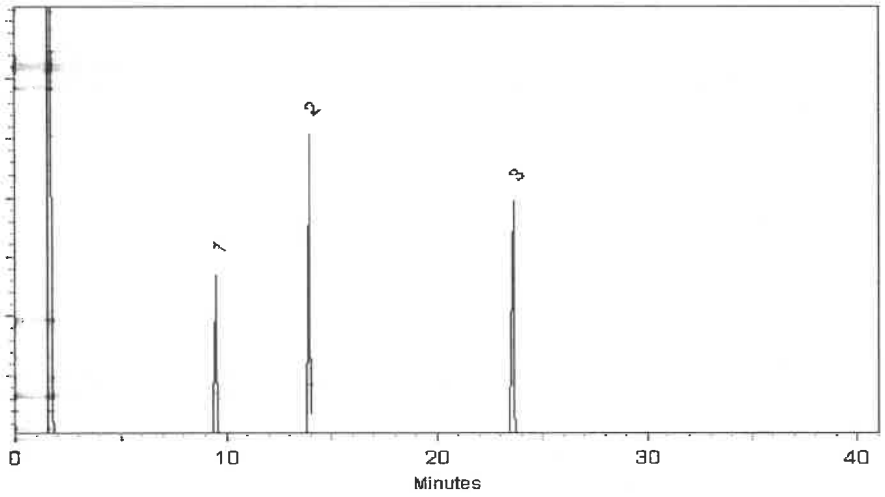
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22
S10981 to S11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

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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)

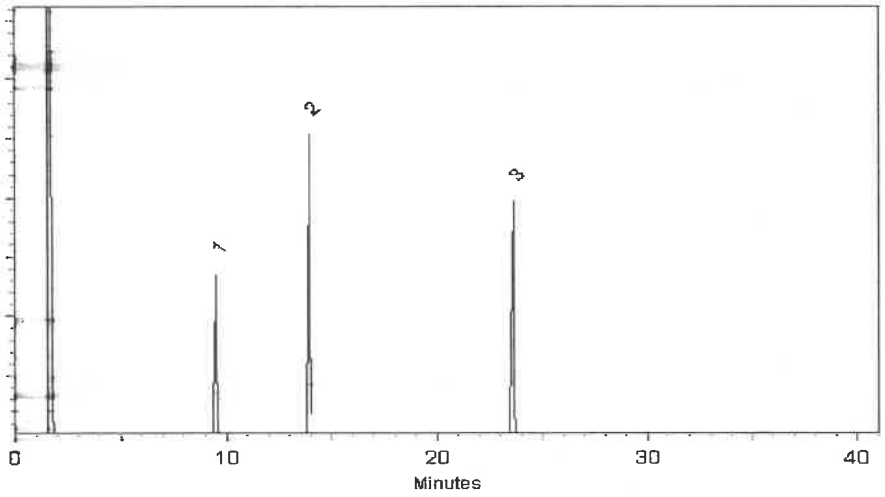
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22
S10981 to S11010

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)

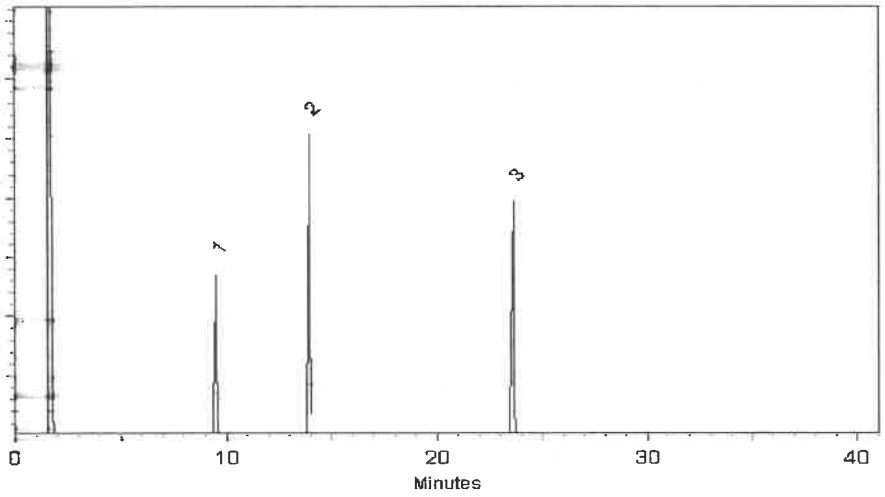
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22
S10981 to S11010

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)

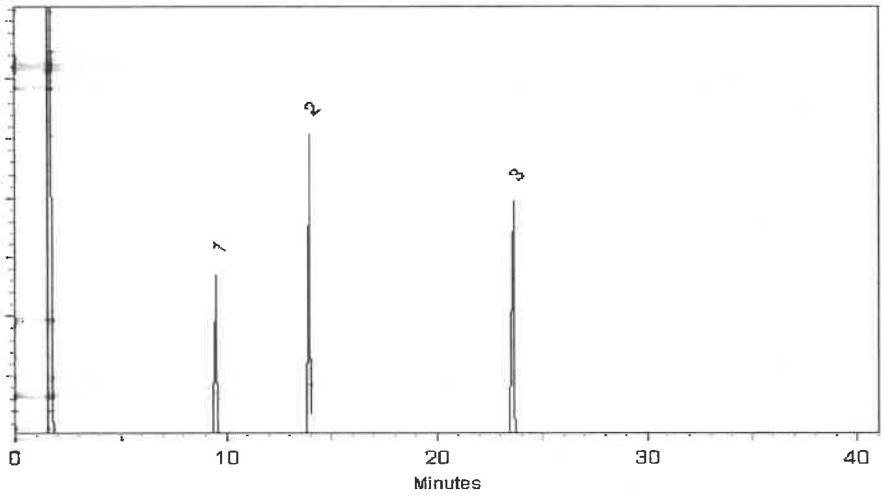
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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gravimetric

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ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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Received on 01/13/23 by CG S11011 to S11015

Catalog No. : 555872 **Lot No.:** A0193449

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 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	Pentachlorophenol	87-86-5	RP221012	99%	25,050.0 µg/mL	+/- 778.6378

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I **Date Mixed:** 11-Jan-2023 **Balance:** B442140311

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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Fax: 1-814-353-1309

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Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 555870 **Lot No.:** A0194698

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 : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFI

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	2,4-Dinitrophenol	51-28-5	DR221221RSR	99%	25,195.0 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 8

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:

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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 inimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily T 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 n, 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 dards 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, ides complete instructions.
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Certificate of Analysis

gravimetric

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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

tes:

n date valid for unopened ampul stored in compliance with the recommended conditions.

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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 RP 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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 5/23/24

E 3744

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO1-8886 PRODUCT CODE: SHIP DATE: 6/21/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24E2462004
Manufactured Date: 2024-04-10
Expiration Date: 2025-07-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
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	0.1 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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D10725

E 3768

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 7/24/24

E 3780

Ken Koehnlein
Sr. Manager, Quality Assurance

PO: PO1-9448 PRODUCT CODE: SHIP DATE: 7/16/2024

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 24F1062004
Manufactured Date: 2024-04-15
Expiration Date: 2025-07-15
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 Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	7
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	0.1 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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24D15750

E 3786

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.: 24G0862022
Manufactured Date: 2024-06-05
Expiration Date: 2025-09-04
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	4
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	0.3 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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer source batch: MG24F05012

E 3787

Jamie Croak
Director Quality Operations, Bioscience Production

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

M3037-38-39-40
no

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 0000250349
Manufactured Date: 2019/12/17
Retest Date: 2024/12/15
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.5
Appearance	Passes Test	PT
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Substances Reducing Permanganate (as SO_2)	<= 2 ppm	< 2
Ammonium (NH_4)	<= 1 ppm	< 1
Chloride (Cl)	<= 0.1 ppm	< 0.1
Nitrate (NO_3)	<= 0.2 ppm	< 0.1
Phosphate (PO_4)	<= 0.5 ppm	< 0.1
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	0.2
Arsenic and Antimony (as As)	<= 4 ppb	< 2
Trace Impurities - Barium (Ba)	<= 10.0 ppb	< 1.0
Trace Impurities - Beryllium (Be)	<= 10.0 ppb	< 1.0
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 10.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	2.9
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 10.0 ppb	< 1.0
Trace Impurities - Germanium (Ge)	<= 10.0 ppb	< 10.0
Trace Impurities - Gold (Au)	<= 10.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 500 ppb	< 100

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

Test	Specification	Result
Trace Impurities - Iron (Fe)	<= 50.0 ppb	4.1
Trace Impurities - Lead (Pb)	<= 0.5 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 10.0 ppb	< 1.0
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	< 0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 10.0 ppb	< 1.0
Trace Impurities - Potassium (K)	<= 500.0 ppb	< 2.0
Trace Impurities - Selenium (Se)	<= 50.0 ppb	22.9
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 500.0 ppb	2.7
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 10.0 ppb	< 5.0
Trace Impurities - Thallium (Tl)	<= 20.0 ppb	< 5.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 10.0 ppb	< 1.0
Trace Impurities - Vanadium (V)	<= 10.0 ppb	< 1.0
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 10.0 ppb	< 1.0

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

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

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

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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. : 555223 **Lot No.:** A0201940

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 : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

511539 ↓ 511568 — 7.6 / 0911

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	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

01-Nov-2022 rev.

RESTEK

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

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Certificate #3222.01

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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. : 555223 **Lot No.:** A0201940

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 : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

511539
↓
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7.6
0911

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	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

01-Nov-2022 rev.

RESTEK

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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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.:** A0201940

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↓
511568

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 : September 30, 2025 **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	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

01-Nov-2022 rev.

RESTEK

General Certified Reference Material Notes

Expiration Notes:

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- 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:

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  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:

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- 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

Certificate of Analysis

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Certificate #3222.01

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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.:** A0201940

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 : September 30, 2025 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

511539 ↓ 511568 } 7.6 / 0911

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	S230321RSR	99%	1,001.0 µg/mL	+/- 22.9799
2	Atrazine	1912-24-9	5FYWL	99%	1,010.0 µg/mL	+/- 23.1865
3	Benzidine	92-87-5	S221205RSR	99%	1,008.0 µg/mL	+/- 23.1406
4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Sam Moodler - Operations Tech I

REVIEWED
By Jennifer Pollino at 7:10 am, Sep 13, 2023

Date Mixed: 13-Sep-2023 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

01-Nov-2022 rev.

RESTEK

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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RESTEK
110 Benner Circle
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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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Catalog No. : 31853 **Lot No.:** A0196453

S11749 ↓ S11794 RC 11/30/23

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

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.)

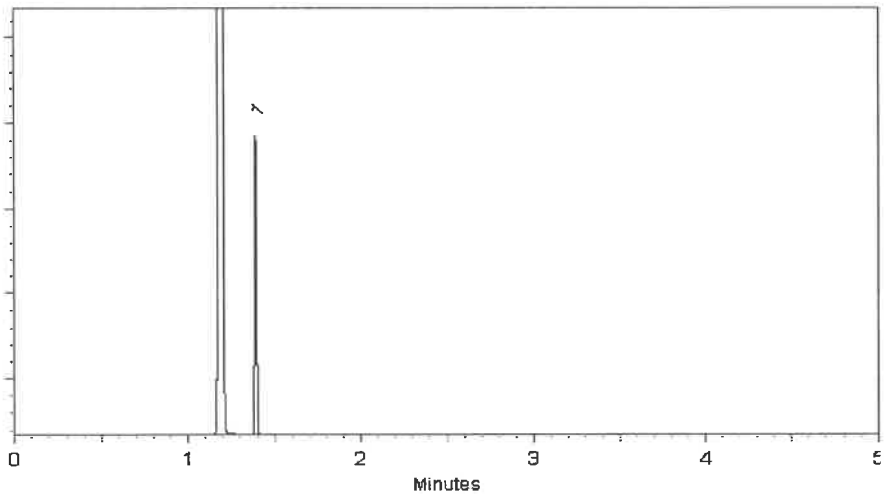
Inj. Temp:
250°C

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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- 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:

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Handling Notes:

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Catalog No. : 31853 **Lot No.:** A0196453

S11749 ↓ S11794 RC 11/30/23

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

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.)

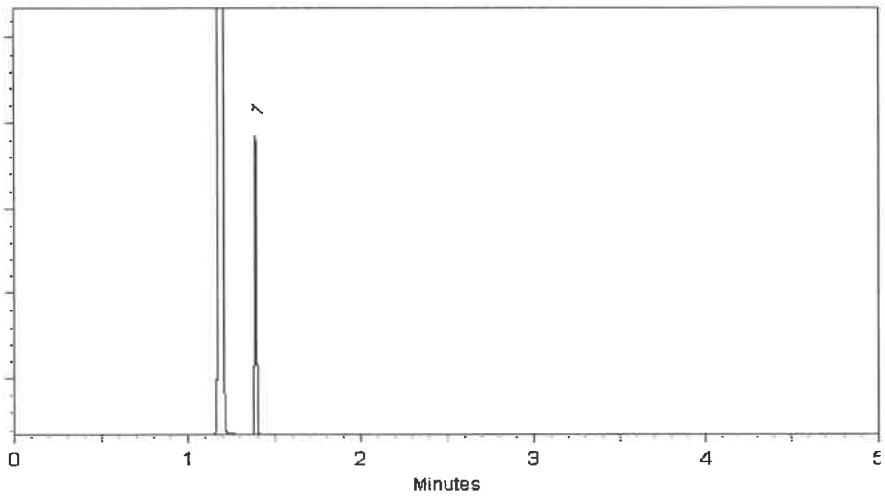
Inj. Temp:
250°C

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:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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Manufacturing Notes:

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Catalog No. : 31853 **Lot No.:** A0196453

S11749 ↓ S11794 RC 11/30/23

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

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.)

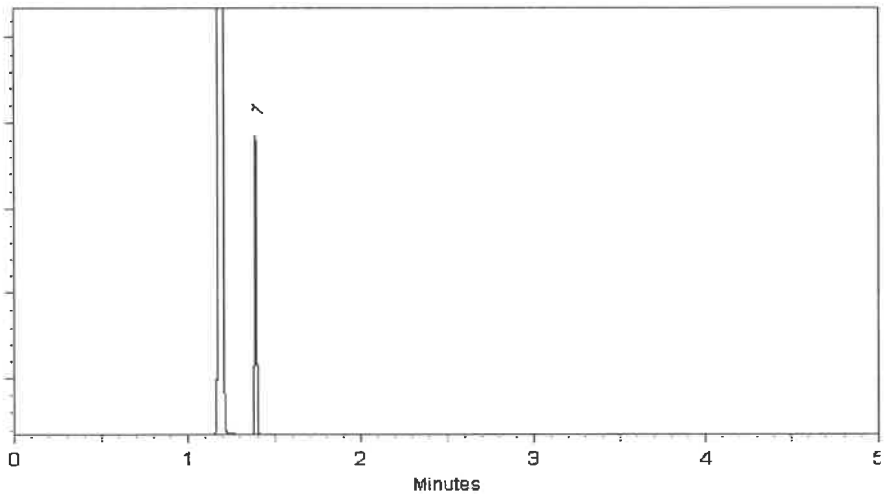
Inj. Temp:
250°C

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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Certified Uncertainty Value 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.)

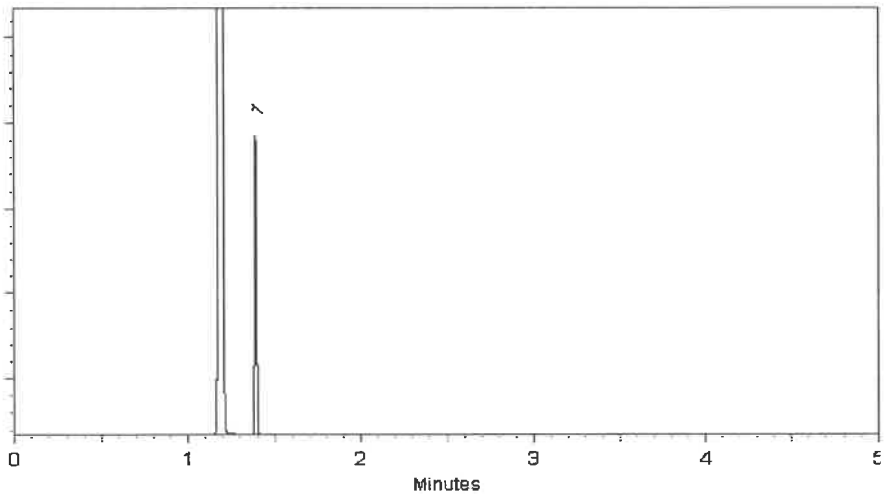
Inj. Temp:
250°C

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

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Catalog No. : 31853 **Lot No.:** A0196453

S11749 ↓ S11794 RC 11/30/23

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

CERTIFIED VALUES

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Rtx-5 (cat.#10223)

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hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
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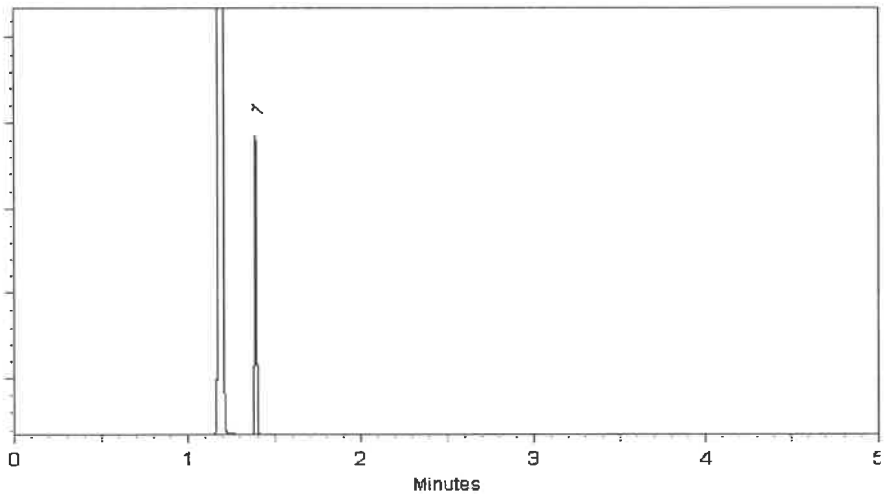
Inj. Temp:
250°C

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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- 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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Certificate #3222.01

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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. : 31206 **Lot No.:** A0201320

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S12013 ↓ S12042 RC 12/26/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 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%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* 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.)

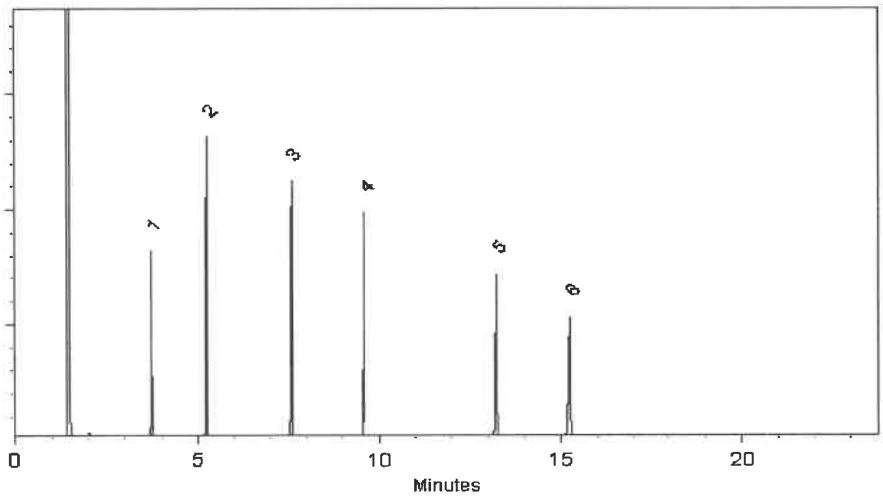
Inj. Temp:
250°C

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.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31206 **Lot No.:** A0201320

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S12013 ↓ S12042 RC 12/26/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 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%	2,017.0 µg/mL	+/- 90.8469
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,011.3 µg/mL	+/- 90.5917
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* 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.)

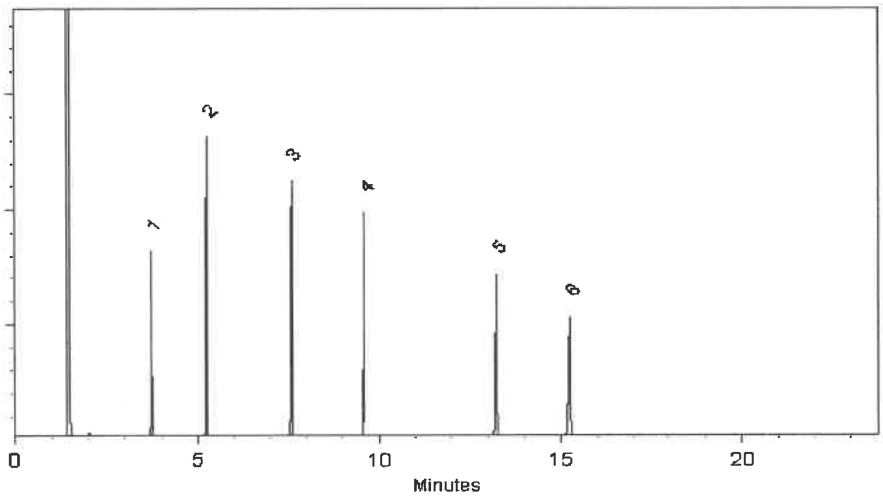
Inj. Temp:
250°C

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.

Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31206 **Lot No.:** A0201320

S12013 ↓ S12042 RC 12/26/23

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 : July 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%	2,017.0 µg/mL	+/- 90.8469
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3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,008.6 µg/mL	+/- 90.4685
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,019.4 µg/mL	+/- 90.9550
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,013.7 µg/mL	+/- 90.6968
6	Perylene-d12	1520-96-3	PR-33205	99%	2,012.7 µg/mL	+/- 90.6517

* 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.)

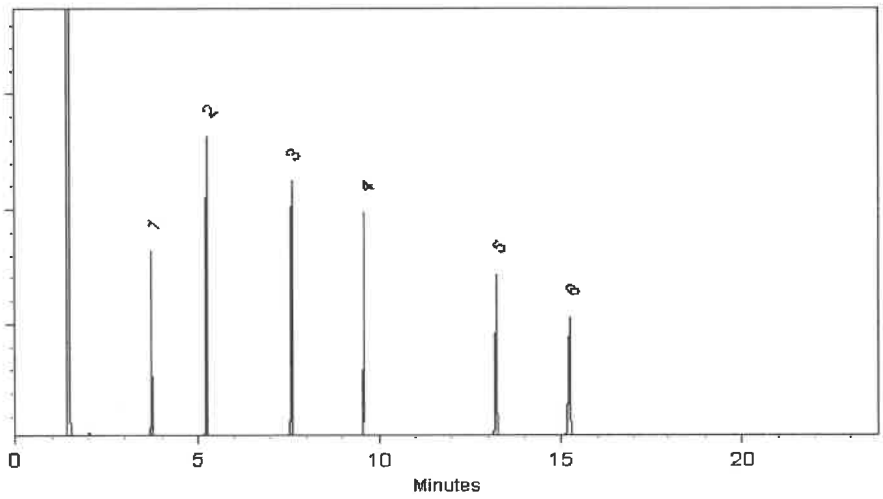
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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Peter Robbins - Operations Technician I

Date Mixed: 23-Aug-2023 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 25-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Manufacturer's Quality System
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by TUV USA to ISO 9001:2015

Date Received: _____

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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

S12075
↓
S12079
RC
02/01/24

*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. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 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%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Description : Custom 8270 Plus Standard #2

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S12082 ↓ S12111 RC/ 02/22/24

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Container Size : 2 mL **Pkg Amt:** > 1 mL

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

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CERTIFIED VALUES

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Description : Custom 8270 Plus Standard #2

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S12082 ↓ S12111 RC/ 02/22/24

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CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

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ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 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%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

S12082 ↓ S12111 RC/ 02/22/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 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%	1,001.0 µg/mL	+/- 29.424320
2	Acetophenone	98-86-2	STBH8205	99%	1,004.0 µg/mL	+/- 29.512504
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.541899
4	Benzoic acid	65-85-0	MKCR2694	99%	1,003.0 µg/mL	+/- 29.483110
5	Biphenyl	92-52-4	MKCL6515	99%	1,006.0 µg/mL	+/- 29.571294

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024 **Balance:** B345965662

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-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.

RESTEK
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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
Tel: 1-814-353-1300
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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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
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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. : 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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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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CERTIFIED REFERENCE MATERIAL

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chromatographic plus

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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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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
Tel: 1-814-353-1300
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
Tel: 1-814-353-1300
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
Tel: 1-814-353-1300
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
Tel: 1-814-353-1300
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

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

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

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

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

Certificate of Analysis

gravimetric

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. : 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.

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. : 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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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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:

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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. : 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

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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.

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P3657
QUOTE NO.
COC Number 2041316

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite H100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yuhanic
PHONE: (281) 414-1719 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D3779922 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: (201) 936-0586 FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard TAT DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☒ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1 VOCs 8260D
2 SVOCs - 8270E; PAHs - 8270E SIM
3 Metals 6020B, Hg 7473
4 Cr(VI) 7196A
5 SIM 3060A
6
7
8
9

CHEMTECH 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
								A/E	E	B/E	E						← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	917-J-WS-081624	WS		X	8-16-24	0930	8	2	4	1	1						
2.	TB-01-081624	DI		X	8-16-24	1055	1	1									TB is unpreserved!
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8-16-24 1245	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 2-4 °C
Comments: See attached table for the required analytes list

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other
CHEMTECH: ☒ Picked Up ☐ Field Sampling

Shipment Complete ☑ YES ☐ NO

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WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

Table 3. Surface Water Target Analytes, Methods, Action Levels, and Control Limits

Site Sampling Plan for Ecological Evaluation

Princeton Technology Center, West Windsor Township, New Jersey

Method	Analyte	CAS Number	Units	Higher of PQL and Ground Water Quality Criterion[a]	Fresh Surface Water Chronic NJDEP Ecological Criterion[b]
ECO-SVOCs					
SW8270E	1,4-Dioxane	123-91-1	µg/L	0.4	--
SW8270E	1-Methylnaphthalene	90-12-0	µg/L	--	
SW8270E	2,4,5-Trichlorophenol	95-95-4	µg/L	700	
SW8270E	2,4,6-Trichlorophenol	88-06-2	µg/L	20	
SW8270E	2,4-Dinitrotoluene	121-14-2	µg/L	10	
SW8270E	2-Methylnaphthalene	91-57-6	µg/L	30	
SW8270E	2-Methylphenol	95-48-7	µg/L	--	
SW8270E	3 & 4-Methylphenol (m,p-Cresols)	65794-96-9	µg/L	--	
SW8270E	Acenaphthene	83-32-9	µg/L	400	
SW8270E	Acenaphthylene	208-96-8	µg/L	--	
SW8270E	Anthracene	120-12-7	µg/L	2000	
SW8270E	Benzaldehyde	100-52-7	µg/L	--	
SW8270E	Benzo(a)anthracene	56-55-3	µg/L	--	
SW8270E	Benzo(a)pyrene	50-32-8	µg/L	0.1	
SW8270E	Benzo(b)fluoranthene	205-99-2	µg/L	0.5	
SW8270E	Benzo(g,h,i)perylene	191-24-2	µg/L	--	
SW8270E	Benzo(k)fluoranthene	207-08-9	µg/L	0.5	
SW8270E	Bis (2-ethylhexyl) phthalate	117-81-7	µg/L	--	
SW8270E	Carbazole	86-74-8	µg/L	--	
SW8270E	Chrysene	218-01-9	µg/L	5	
SW8270E	Dibenzo(a,h)anthracene	53-70-3	µg/L	0.3	
SW8270E	Dibenzofuran	132-64-9	µg/L	--	
SW8270E	Di-N-Butylphthalate	84-74-2	µg/L	--	
SW8270E	Fluoranthene	206-44-0	µg/L	300	
SW8270E	Fluorene	86-73-7	µg/L	300	
SW8270E	Hexachlorobenzene	118-74-1	µg/L	0.02	
SW8270E	Hexachlorobutadiene	87-68-3	µg/L	1	
SW8270E	Hexachloroethane	67-72-1	µg/L	7	
SW8270E	Indeno(1,2,3-Cd)Pyrene	193-39-5	µg/L	0.2	
SW8270E	Naphthalene	91-20-3	µg/L	300	
SW8270E	Nitrobenzene	98-95-3	µg/L	6	
SW8270E	Pentachlorophenol	87-86-5	µg/L	0.3	
SW8270E	Phenanthrene	85-01-8	µg/L	--	
SW8270E	Pyrene	129-00-0	µg/L	200	
SW8270E	Pyridine	110-86-1	µg/L	--	
ECO-VOCs					
SW8260D	1,1,1-Trichloroethane	71-55-6	µg/L	30	76

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Site Sampling Plan for Ecological Evaluation

Princeton Technology Center, West Windsor Township, New Jersey

Method	Analyte	CAS Number	Units	Higher of PQL and Ground Water Quality Criterion[a]	Fresh Surface Water Chronic NJDEP Ecological Criterion[b]
SW8260D	1,1,2-Trichloroethane	79-00-5	µg/L	3	500
SW8260D	1,1-Dichloroethane	75-34-3	µg/L	50	--
SW8260D	1,1-Dichloroethene	75-35-4	µg/L	1	65
SW8260D	1,2-Dichlorobenzene	95-50-1	µg/L	600	14
SW8260D	1,2-Dichloroethane	107-06-2	µg/L	2	910
SW8260D	1,2-Dichloroethene (Total)	540-59-0	µg/L		
SW8260D	1,4-Dichlorobenzene	106-46-7	µg/L	75	9.4
SW8260D	2-Butanone	78-93-3	µg/L	300	--
SW8260D	Acetone	67-64-1	µg/L	6000	--
SW8260D	Benzene	71-43-2	µg/L	1	114
SW8260D	Bromodichloromethane	75-27-4	µg/L	1	--
SW8260D	Bromomethane	74-83-9	µg/L	10	--
SW8260D	Carbon disulfide	75-15-0	µg/L	700	--
SW8260D	Carbon tetrachloride	56-23-5	µg/L	1	240
SW8260D	Chlorobenzene	108-90-7	µg/L	50	47
SW8260D	Chloroethane	75-00-3	µg/L	--	--
SW8260D	Chloroform	67-66-3	µg/L	70	140
SW8260D	Chloromethane	74-87-3	µg/L	--	--
SW8260D	cis-1,2-Dichloroethene	156-59-2	µg/L	70	--
SW8260D	Cyclohexane	110-82-7	µg/L	--	--
SW8260D	Dibromochloromethane	124-48-1	µg/L	1	--
SW8260D	Dichlorodifluoromethane	75-71-8	µg/L	1000	--
SW8260D	Ethylbenzene	100-41-4	µg/L	700	14
SW8260D	Freon TF	76-13-1	µg/L	20000	--
SW8260D	Isopropylbenzene	98-82-8	µg/L	700	--
SW8260D	m&p-Xylene	179601-23-1	µg/L	1000	27
SW8260D	Methylcyclohexane	108-87-2	µg/L	--	--
SW8260D	Methylene Chloride	75-09-2	µg/L	3	940
SW8260D	MTBE	1634-04-4	µg/L	70	51000
SW8260D	o-Xylene	95-47-6	µg/L	1000	27
SW8260D	Tetrachloroethene	127-18-4	µg/L	1	45
SW8260D	Toluene	108-88-3	µg/L	600	253
SW8260D	trans-1,2-Dichloroethene	156-60-5	µg/L	100	970
SW8260D	Trichloroethene	79-01-6	µg/L	1	47
SW8260D	Vinyl chloride	75-01-4	µg/L	1	930
SW8260D	Xylenes, Total	1330-20-7	µg/L		
ECO-PAHs					
SW8270E SIM	1,4-Dioxane	123-91-1	µg/L	0.4	--

Table 3. Surface Water Target Analytes, Methods, Action Levels, and Control Limits

Site Sampling Plan for Ecological Evaluation

Princeton Technology Center, West Windsor Township, New Jersey

Method	Analyte	CAS Number	Units	Higher of PQL and Ground Water Quality Criterion[a]	Fresh Surface Water Chronic NJDEP Ecological Criterion[b]
SW8270E SIM	2-Methylnaphthalene	91-57-6	µg/L	30	330
SW8270E SIM	Acenaphthene	83-32-9	µg/L	400	38
SW8270E SIM	Acenaphthylene	208-96-8	µg/L	--	4840
SW8270E SIM	Anthracene	120-12-7	µg/L	2000	0.035
SW8270E SIM	Benzo(a)anthracene	56-55-3	µg/L	0.1	0.025
SW8270E SIM	Benzo(a)pyrene	50-32-8	µg/L	0.1	0.014
SW8270E SIM	Benzo(b)fluoroanthene	205-99-2	µg/L	0.2	9.07
SW8270E SIM	Benzo(g,h,i)perylene	191-24-2	µg/L	--	7.64
SW8270E SIM	Benzo(k)fluoroanthene	207-08-9	µg/L	0.5	--
SW8270E SIM	Chrysene	218-01-9	µg/L	5	--
SW8270E SIM	Dibenz(a,h)anthracene	53-70-3	µg/L	0.3	--
SW8270E SIM	Fluoroanthene	206-44-0	µg/L	300	1.9
SW8270E SIM	Fluorene	86-73-7	µg/L	300	19
SW8270E SIM	Indeno[1,2,3-cd]pyrene	193-39-5	µg/L	0.2	4.31
SW8270E SIM	Naphthalene	91-20-3	µg/L	300	13
SW8270E SIM	Phenanthrene	85-01-8	µg/L	--	3.6
SW8270E SIM	Pyrene	129-00-0	µg/L	200	0.3
ECO-Metals					
SW3060A/7196A	Hexavalent Chromium	18540-29-9	µg/L	--	10
SW7470A	Mercury	7439-97-6	µg/L	2	0.77
SW6020B	Aluminum	7429-90-5	µg/L	--	--
SW6020B	Antimony	7440-36-0	µg/L	6	80
SW6020B	Arsenic	7440-38-2	µg/L	3	150
SW6020B	Barium	7440-39-3	µg/L	6000	220
SW6020B	Beryllium	7440-41-7	µg/L	1	3.6
SW6020B	Cadmium	7440-43-9	µg/L	4	--
SW6020B	Calcium	7440-70-2	µg/L	--	--
SW6020B	Chromium	7440-47-3	µg/L	--	42
SW6020B	Cobalt	7440-48-4	µg/L	100	24
SW6020B	Copper	7440-50-8	µg/L	1300	--
SW6020B	Iron	7439-89-6	µg/L	--	--
SW6020B	Lead	7439-92-1	µg/L	5	5.4
SW6020B	Magnesium	7439-95-4	µg/L	--	--
SW6020B	Manganese	7439-96-5	µg/L	--	--
SW6020B	Nickel	7440-02-0	µg/L	100	--
SW6020B	Potassium	7440-09-7	µg/L	--	--
SW6020B	Selenium	7782-49-2	µg/L	40	5
EPA 200.7	Silica	7631-86-9	µg/L	--	--

Table 3. Surface Water Target Analytes, Methods, Action Levels, and Control Limits

Site Sampling Plan for Ecological Evaluation

Princeton Technology Center, West Windsor Township, New Jersey

Method	Analyte	CAS Number	Units	Higher of PQL and Ground Water Quality Criterion[a]	Fresh Surface Water Chronic NJDEP Ecological Criterion[b]
SW6020B	Silver	7440-22-4	µg/L	40	**0.12**
SW6020B	Sodium	7440-23-5	µg/L	--	--
SW6020B	Thallium	7440-28-0	µg/L	--	10
SW6020B	Vanadium	7440-62-2	µg/L	--	12
SW6020B	Zinc	7440-66-6	µg/L	2000	--

Notes:

[a] New Jersey Department of Environmental Protection (NJDEP) Ground Water Quality Standards - Class IIA by Constituent. May 2021. New Jersey Administration Code 7:9C-1.4: Remediation Standards.

[b] NJDEP Ground Water Quality Standards - Class IIA by Constituent. May 2021. New Jersey Administration Code 7:9C-1.4: Remediation Standards. NJDEP Ecological Surface Water SSLs. March 2009.

Bold = MDL and RL exceed screening criteria.

-- = not available (no standard)

µg/L = microgram(s) per liter

CAS = Chemical Abstracts Service

Freon TF = 1,1,2-Trichloro-1,2,2-trifluoroethane

MDL = method detection limit

MTBE = methyl tert butyl ether

NJDEP = New Jersey Department of Environmental Protection

PAH = polycyclic aromatic hydrocarbon

PQL = Practical Quantitation Level as defined in N.J.A.C. 7:9C-1.4

RL = reporting limit

SIM = selected ion method

SVOC = semivolatile organic compound

VOC = volatile organic compound

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (L-A-B)	L2219
Maine	2024021
Maryland	296
New Hampshire	255423
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P3657 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : Mary I. Murphy
Invoice Name : JACOBS Engineering Grou
Invoice Contact : Mary I. Murphy

Order Date : 8/16/2024 2:45:00 PM
Project Name : Former Schlumberger Site I
Receive DateTime : 8/16/2024 ~~12:00:00 AM~~ 12:45
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P3657-01	~~717~~-J-WS-O81624 917	Water	08/16/2024	09:30					
					VOCMS Group6		8260-Low		10 Bus. Days
P3657-02	TB-01-081624	Water	08/16/2024	10:55					
					VOCMS Group6		8260-Low		10 Bus. Days

Relinguished By : JM
Date / Time : 08-16-24 1524

Received By : Sam
Date / Time : 8/16/24 15:24 Agent 4

Storage Area : VOA Refridgerator Room