

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

P3657-01
P3657-02

Client Sample Number

917-J-WS-081624
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 : _____

Date: 10/15/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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.



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

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_____

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 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 and 6-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.

QA REVIEW

Date

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 Custody

✓

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

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

- 1
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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	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)

() = LABORATORY INHOUSE LIMIT

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		Limits		RPD
								Qual	Low	High		
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)		

() = LABORATORY INHOUSE LIMIT

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	RPD		Limits		RPD
							Qual	Qual	Low	High	
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)

() = LABORATORY INHOUSE LIMIT

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162822BL

Lab Name: CHEMTECH

Contract: JAC005

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: _____



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: JAC005Lab Code: CHEMSAS No.: P3657SDG NO.: P3657Lab File ID: BP021480.DDFTPP Injection Date: 08/13/2024Instrument ID: BNA_PDFTPP 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



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: CHEMTECHContract: JACO05Lab Code: CHEMSAS No.: P3657SDG NO.: P3657Lab File ID: BP021565.DDFTPP Injection Date: 08/20/2024Instrument ID: BNA_PDFTPP 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



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: CHEMTECHContract: JACO05Lab Code: CHEMSAS No.: P3657 SDG NO.: P3657Lab File ID: BP021574.DDFTPP Injection Date: 08/20/2024Instrument ID: BNA_PDFTPP 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

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.

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.

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.

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17

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

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

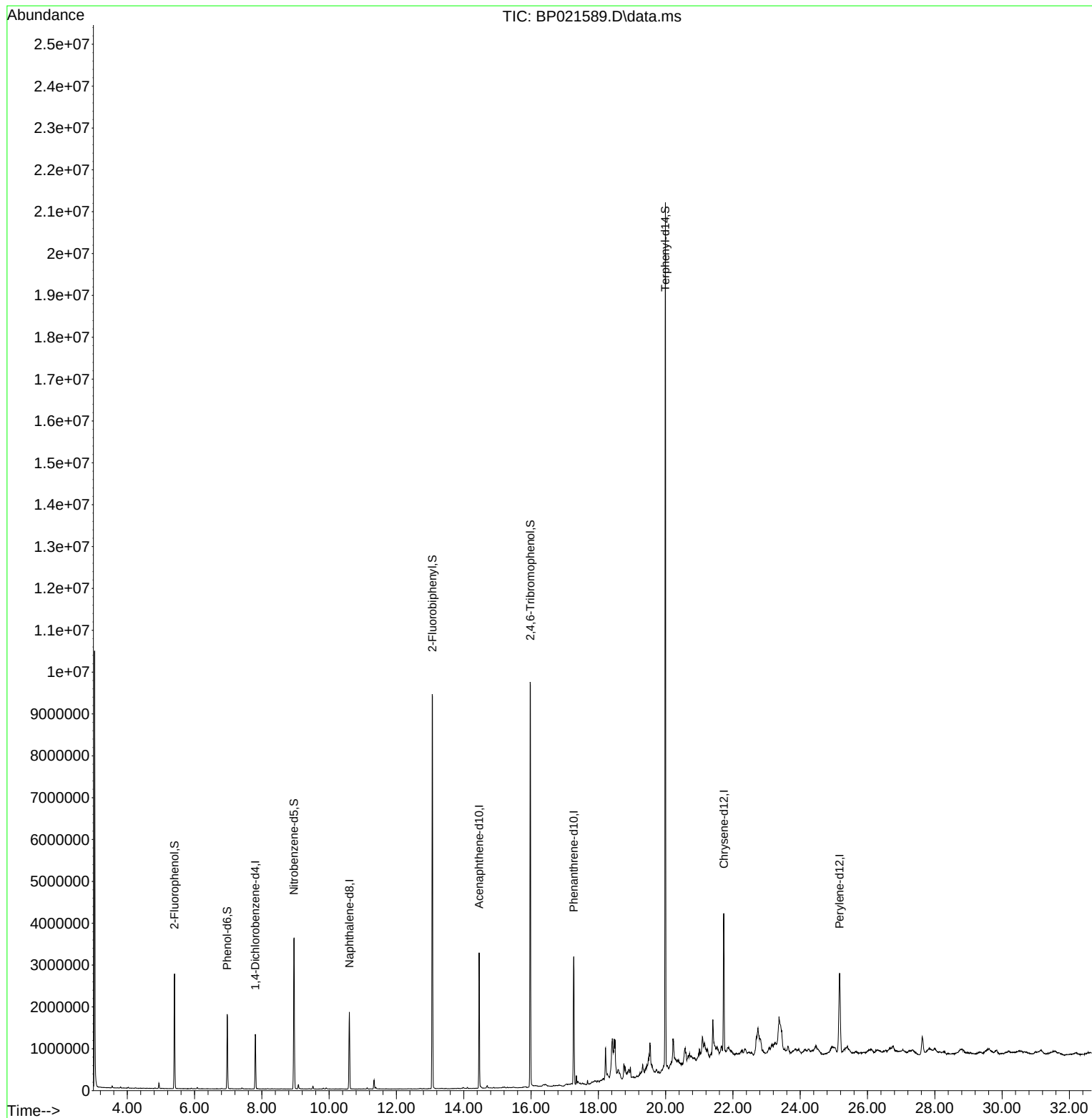
Target Compounds	Qvalue
------------------	--------

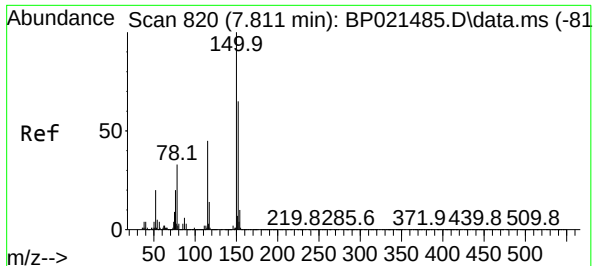
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

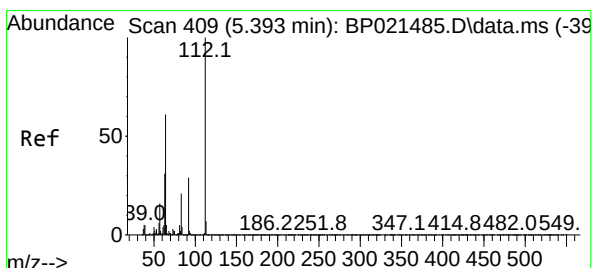
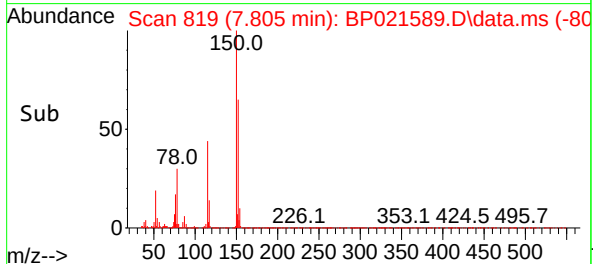
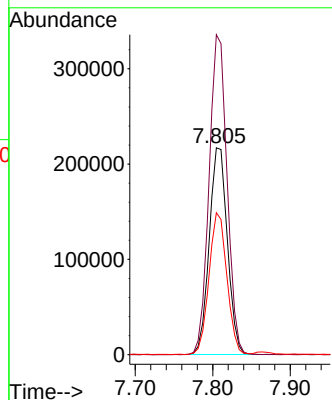
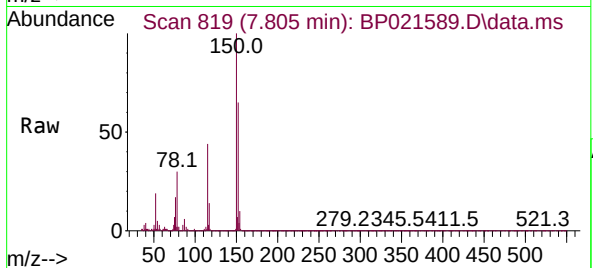




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021589.D
Acq: 21 Aug 2024 02:44

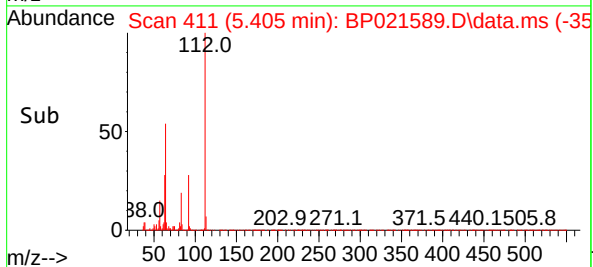
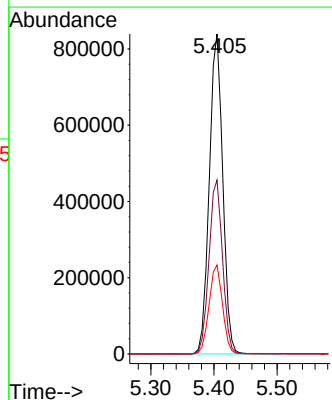
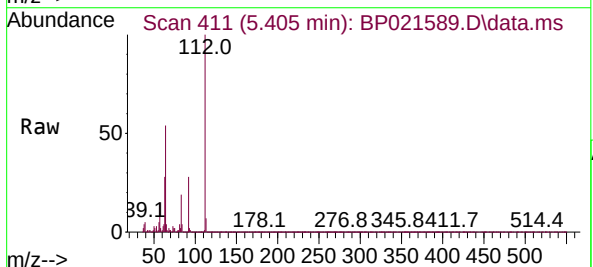
Instrument :
BNA_P
ClientSampleId :
917-J-WS-081624

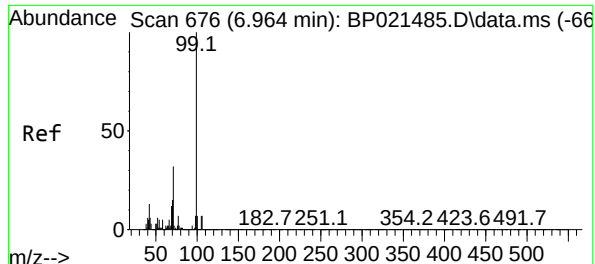
Tgt Ion:152 Resp: 352980
Ion Ratio Lower Upper
152 100
150 154.7 122.4 183.6
115 68.6 54.7 82.1



#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

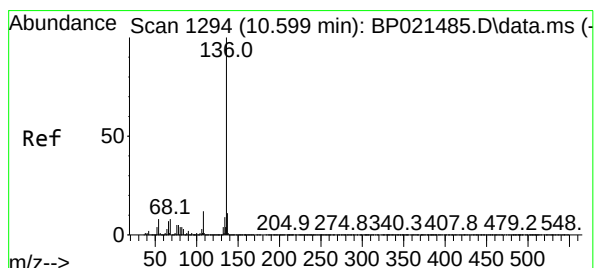
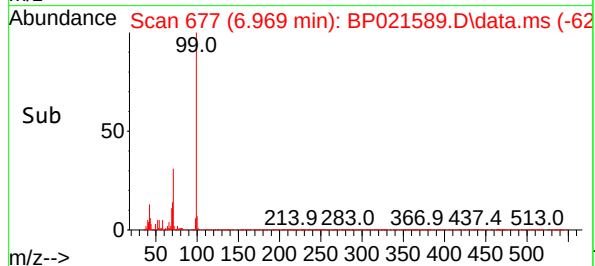
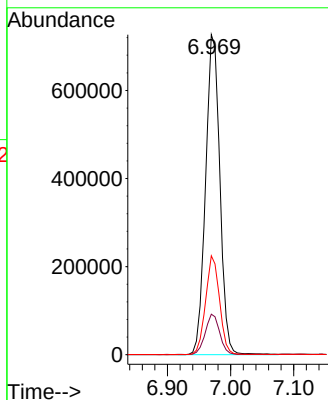
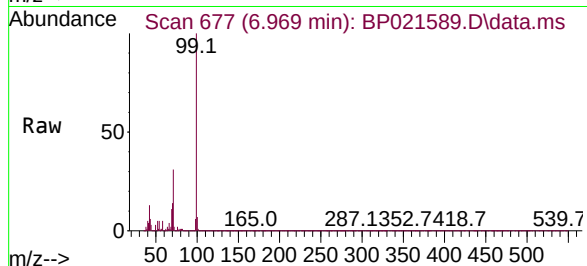




#7
Phenol-d6
Concen: 32.947 ng
RT: 6.969 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP021589.D
Acq: 21 Aug 2024 02:44

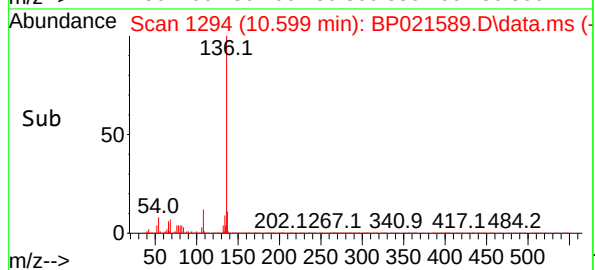
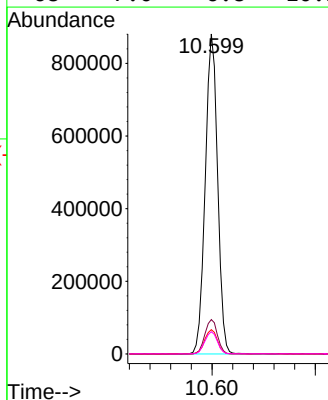
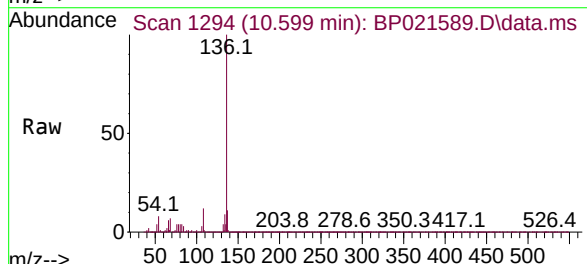
Instrument :
BNA_P
ClientSampleId :
917-J-WS-081624

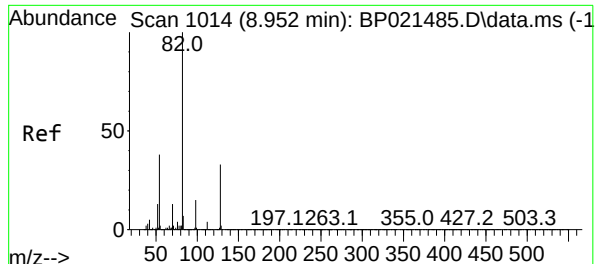
Tgt Ion: 99 Resp: 1142521
Ion Ratio Lower Upper
99 100
42 12.7 10.2 15.4
71 30.9 25.8 38.8



#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# 1014

Delta R.T. -0.000 min

Lab File: BP021589.D

Acq: 21 Aug 2024 02:44

Instrument :

BNA_P

ClientSampleId :

917-J-WS-081624

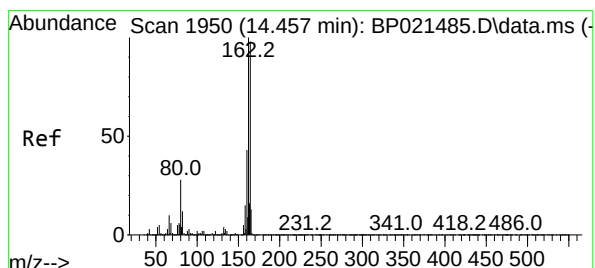
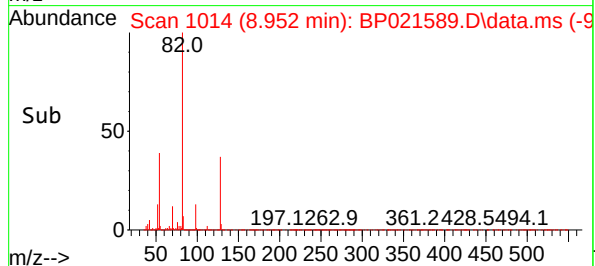
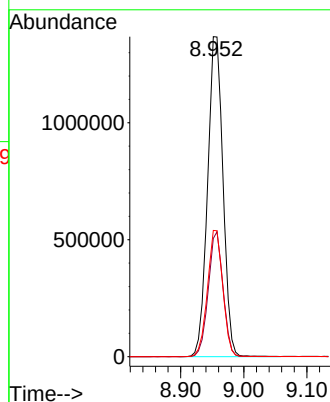
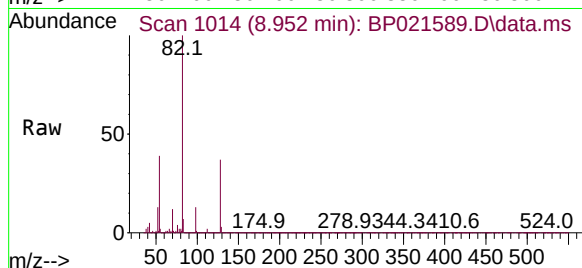
Tgt Ion: 82 Resp: 2318497

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

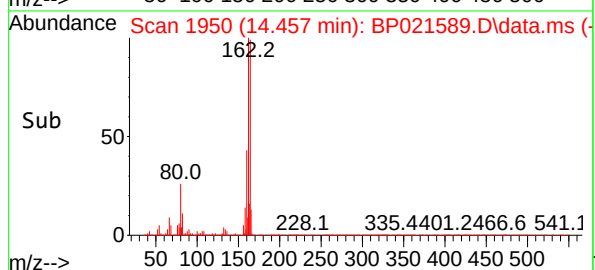
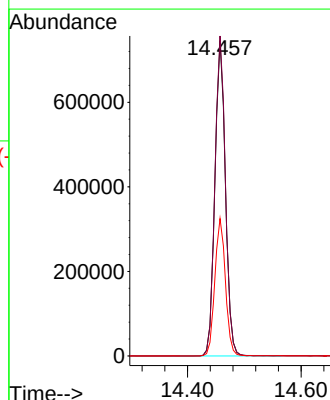
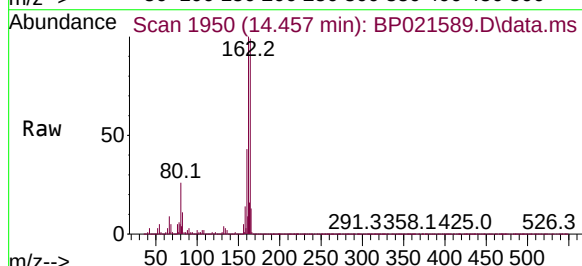
Tgt Ion: 164 Resp: 956855

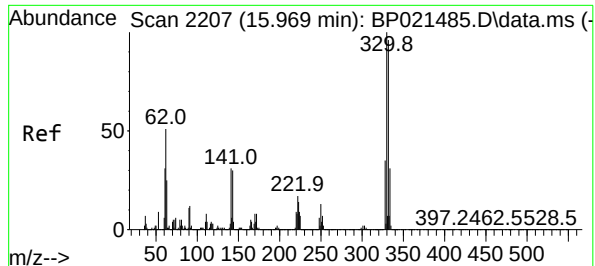
Ion Ratio Lower Upper

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# 21

Delta R.T. 0.012 min

Lab File: BP021589.D

Acq: 21 Aug 2024 02:44

Instrument :

BNA_P

ClientSampleId :

917-J-WS-081624

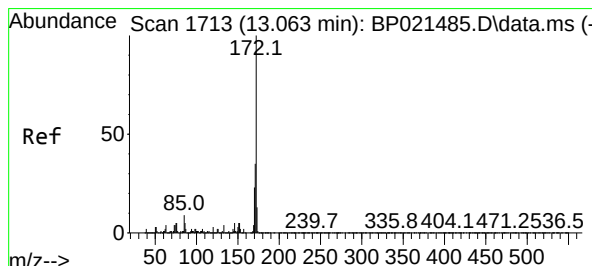
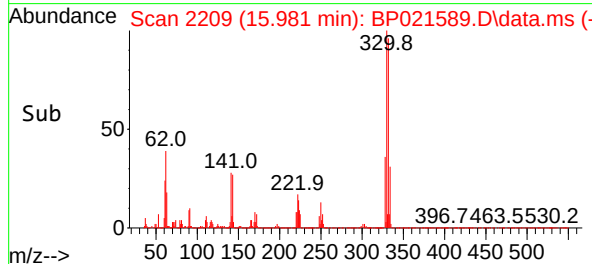
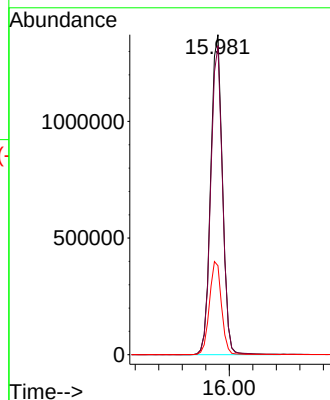
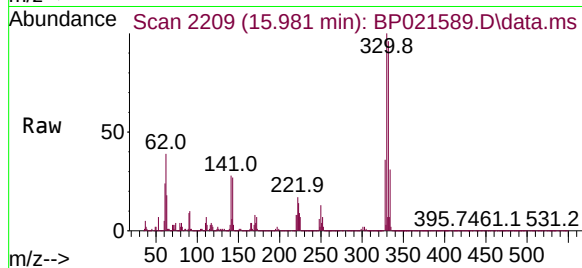
Tgt Ion:330 Resp: 1906699

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

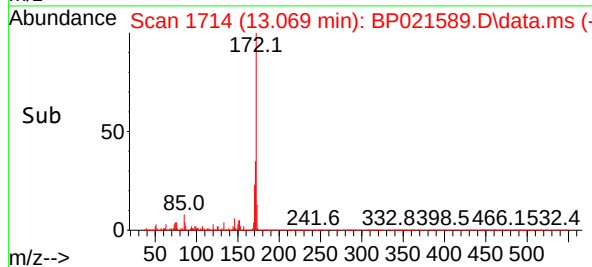
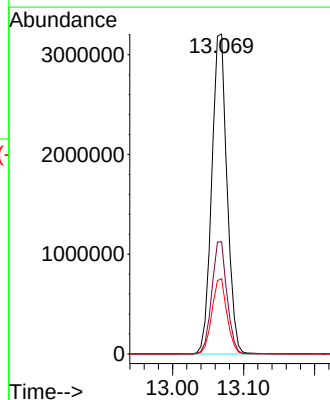
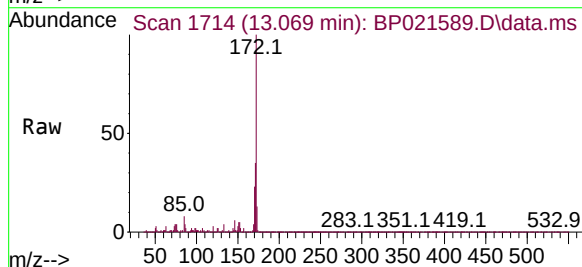
Tgt Ion:172 Resp: 4784620

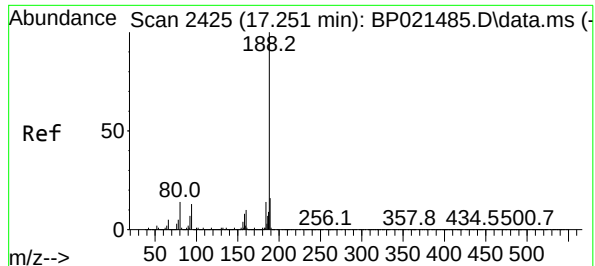
Ion Ratio Lower Upper

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# 2425

Delta R.T. 0.018 min

Lab File: BP021589.D

Acq: 21 Aug 2024 02:44

Instrument :

BNA_P

ClientSampleId :

917-J-WS-081624

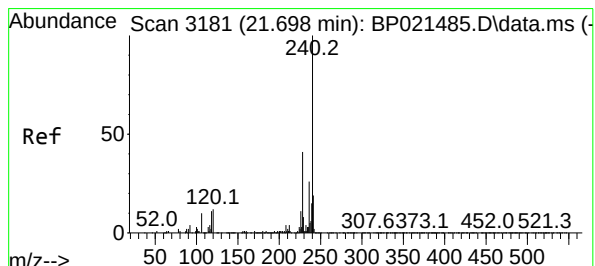
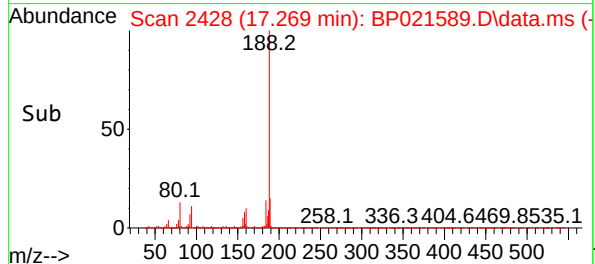
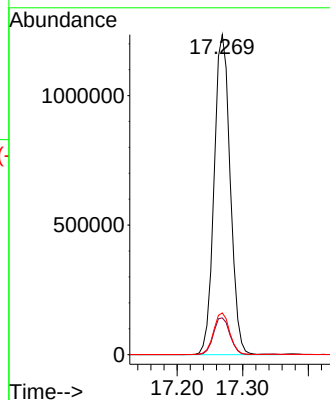
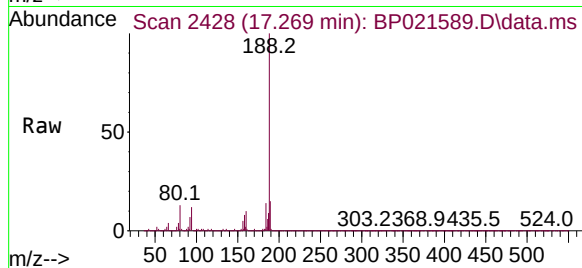
Tgt Ion:188 Resp: 2099848

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

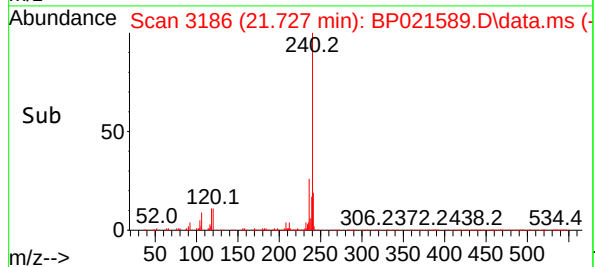
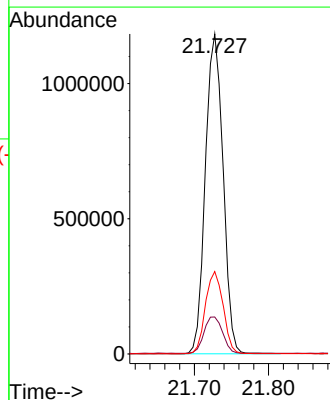
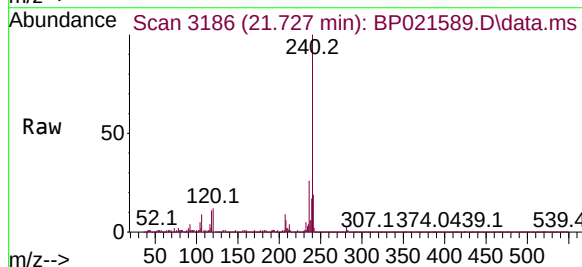
Tgt Ion:240 Resp: 1963856

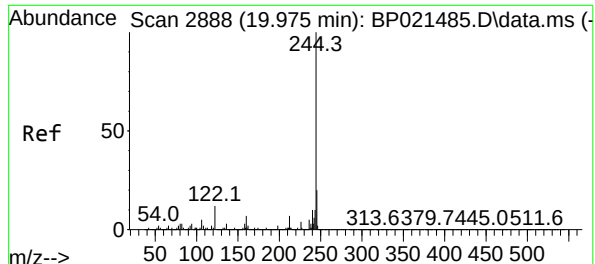
Ion Ratio Lower Upper

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# 21

Delta R.T. 0.017 min

Lab File: BP021589.D

Acq: 21 Aug 2024 02:44

Instrument :

BNA_P

ClientSampleId :

917-J-WS-081624

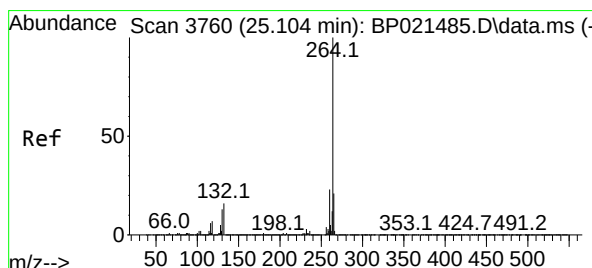
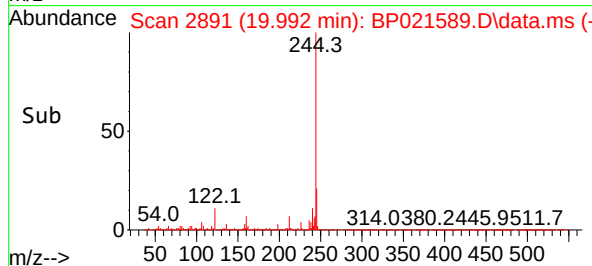
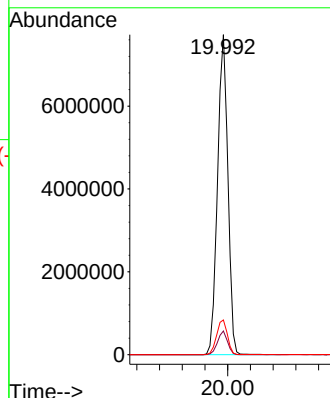
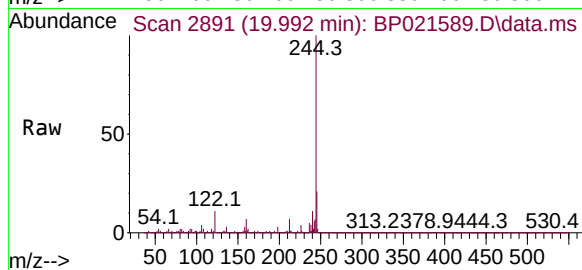
Tgt Ion:244 Resp: 9705536

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

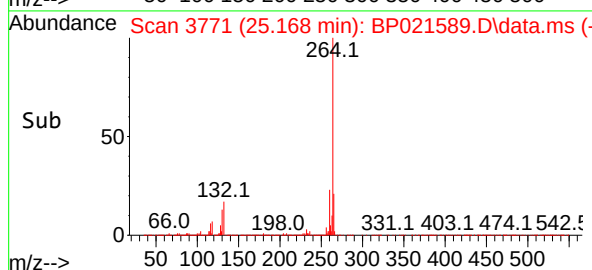
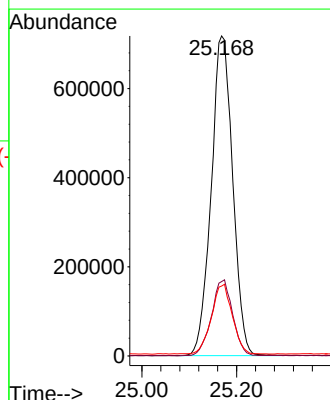
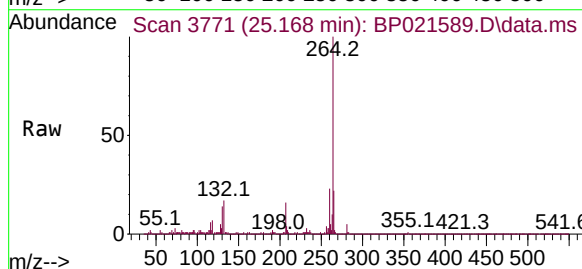
Tgt Ion:264 Resp: 2261178

Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 21.8 17.1 25.7





CALIBRATION SUMMARY

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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 =BP021488.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

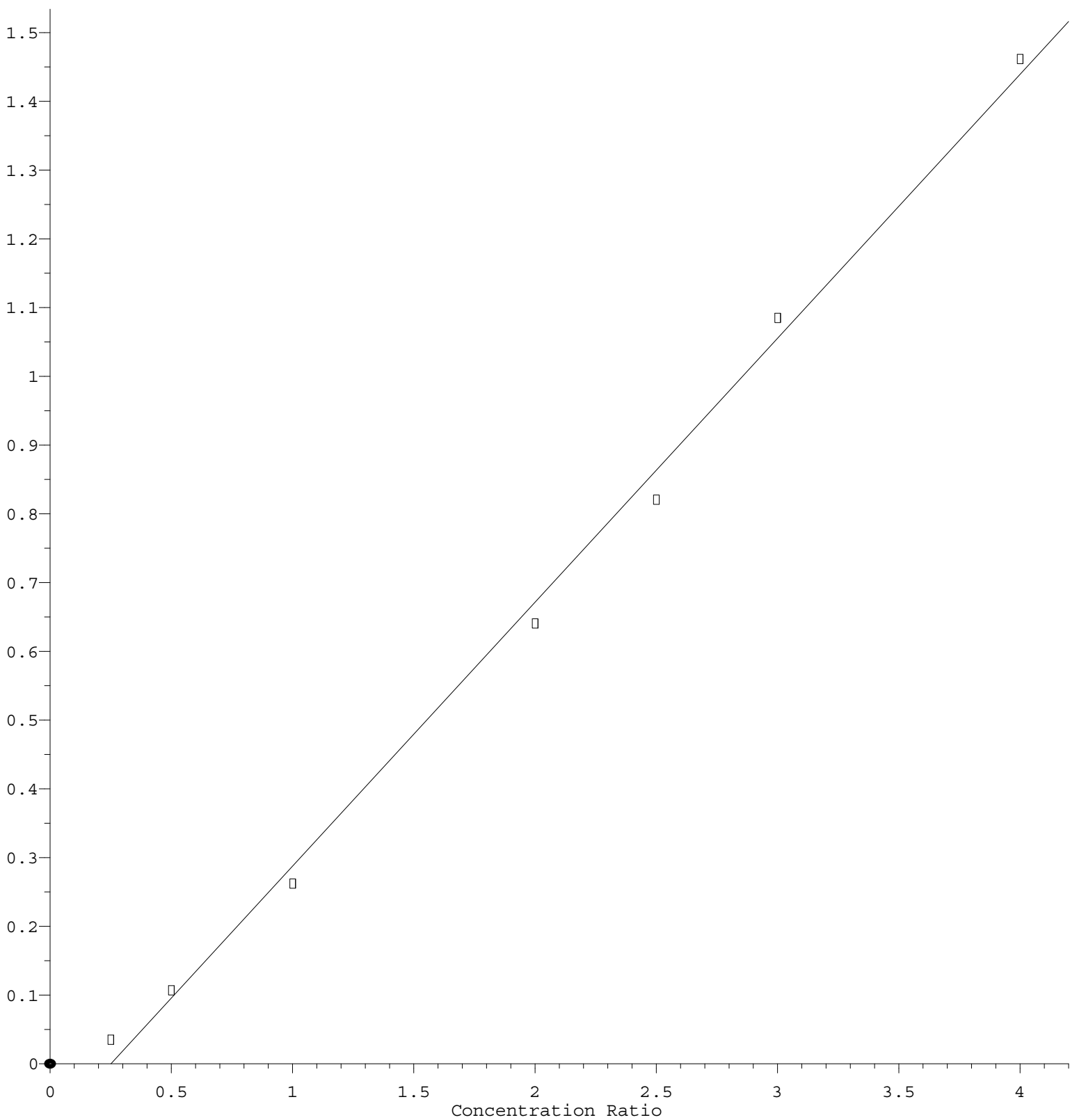
Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP081324.M

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

2,4-Dinitrotoluene

Response Ratio



$$\text{Response} = 3.838\text{e-}001 * \text{Amt} - 9.639\text{e-}002$$

Coef of Det (r^2) = 0.996361 Curve Fit: Linear

MetP3657NSVOCMS-Group6

Calibration Table Last Updated: Wed Aug 14 00:00:30 2024

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

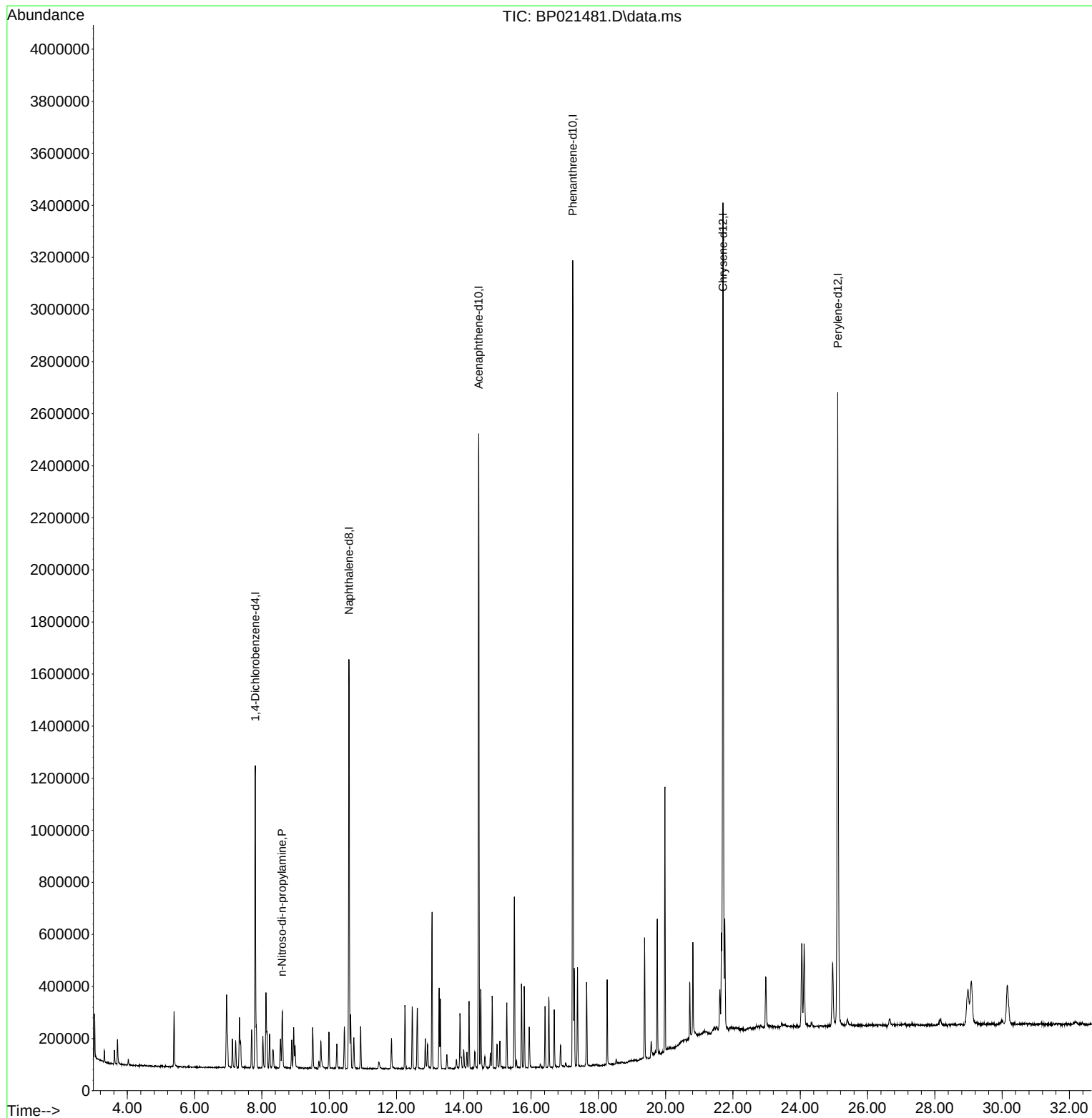
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.805	152	291697	20.000	ng	0.00
21) Naphthalene-d8	10.587	136	1211879	20.000	ng	-0.01
39) Acenaphthene-d10	14.445	164	840945	20.000	ng	-0.01
64) Phenanthrene-d10	17.239	188	1860621	20.000	ng	-0.01
76) Chrysene-d12	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						
19) n-Nitroso-di-n-propyla...	8.599	70	48460	2.448	ng	Qvalue 99

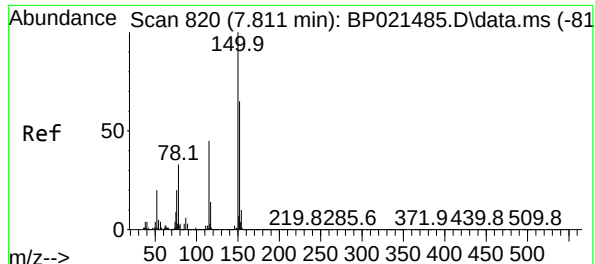
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

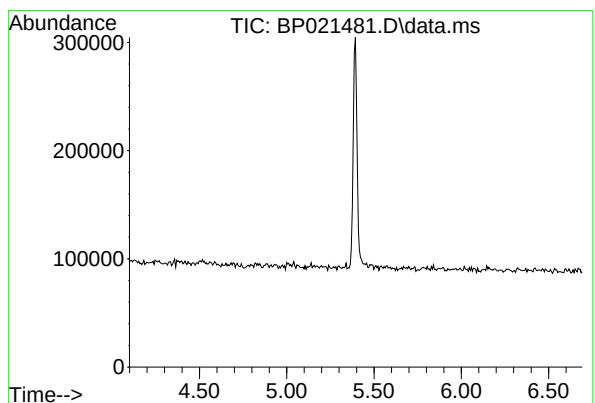
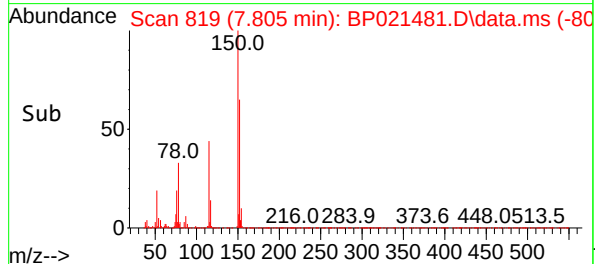
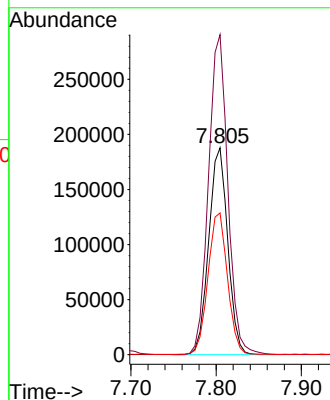
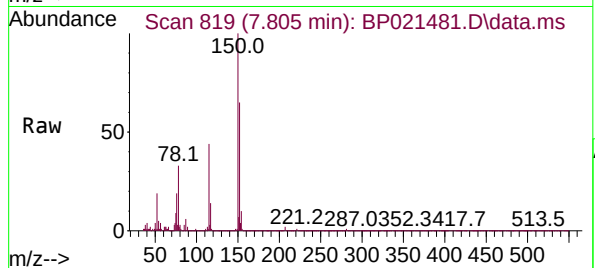




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

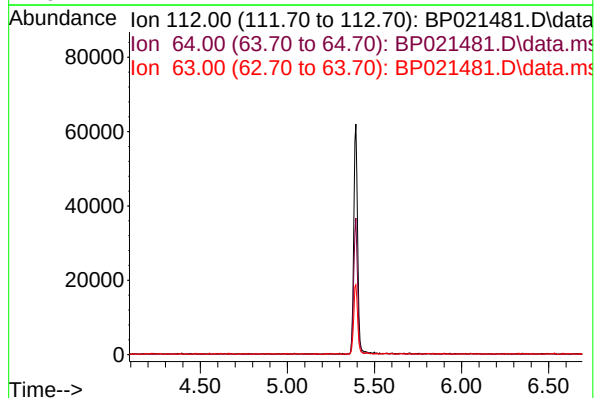
Tgt Ion:152 Resp: 291697
Ion Ratio Lower Upper
152 100
150 154.6 122.4 183.6
115 68.5 54.7 82.1



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

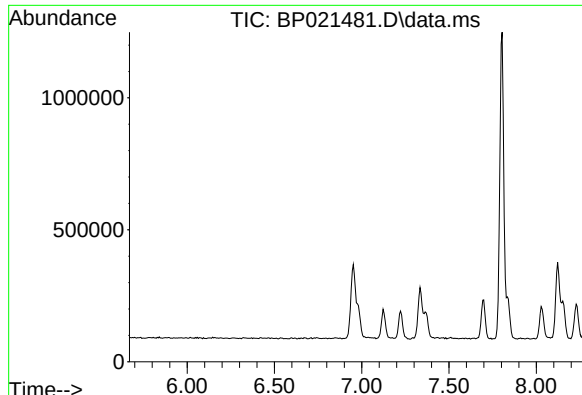
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

Tgt Ion: 112
Sig Exp Ratio
112 100
64 61.3
63 30.7



Ion 64.00 (63.70 to 64.70): BP021481.D\data.ms

Ion 63.00 (62.70 to 63.70): BP021481.D\data.ms



#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

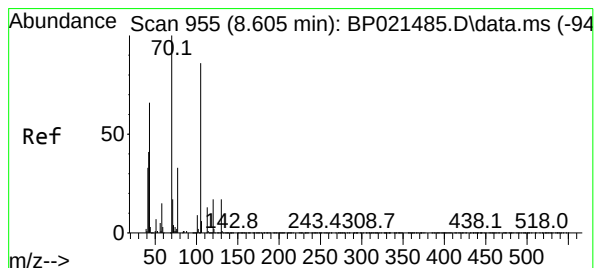
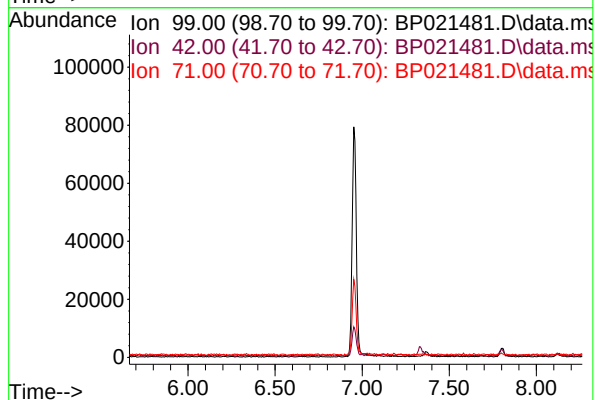
Tgt Ion: 99

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

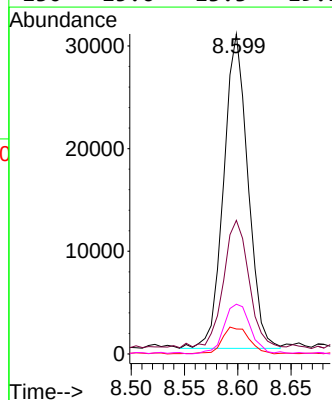
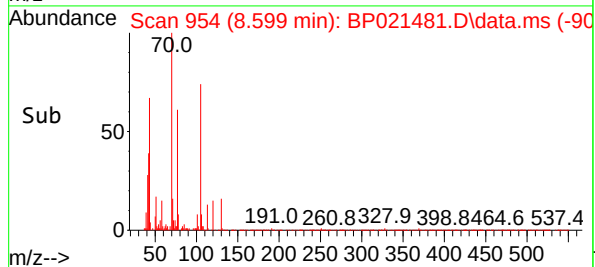
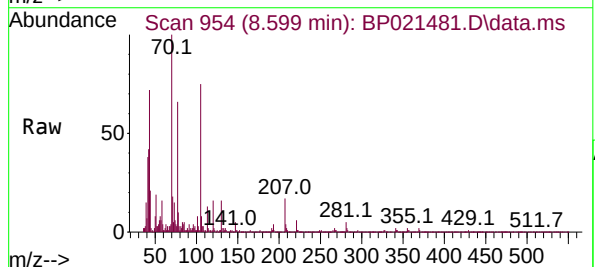
Ion Ratio Lower Upper

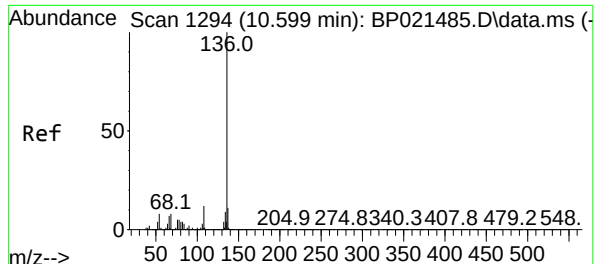
70 100

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# 11

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

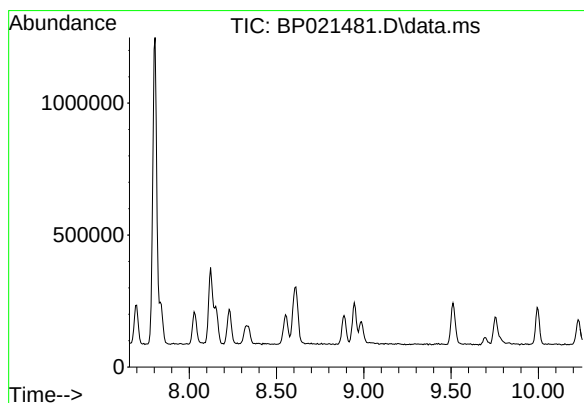
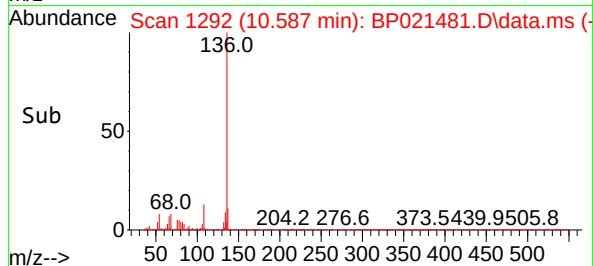
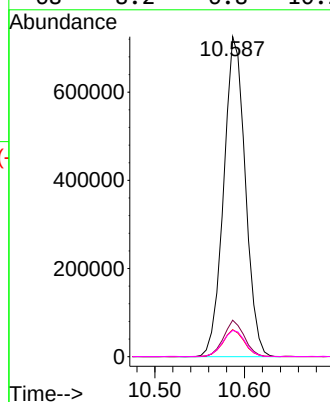
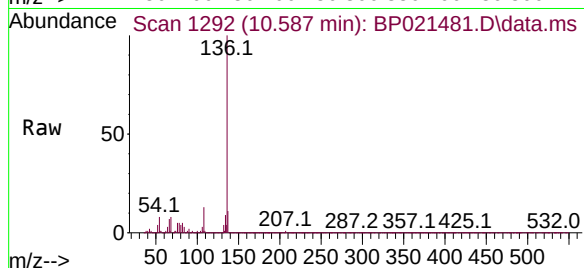
Ion Ratio Lower Upper

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

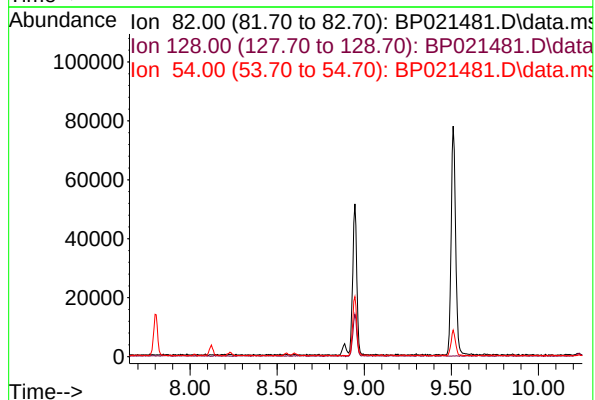
Tgt Ion: 82

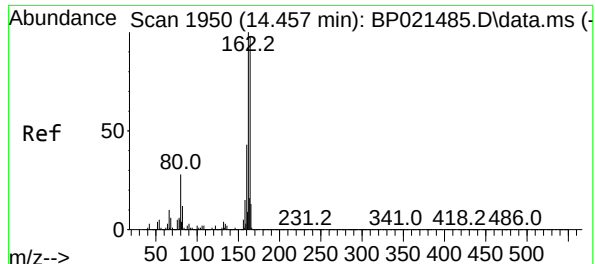
Sig Exp Ratio

82 100

128 33.1

54 37.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.445 min Scan# 19

Delta R.T. -0.012 min

Lab File: BP021481.D

Acq: 13 Aug 2024 12:32

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

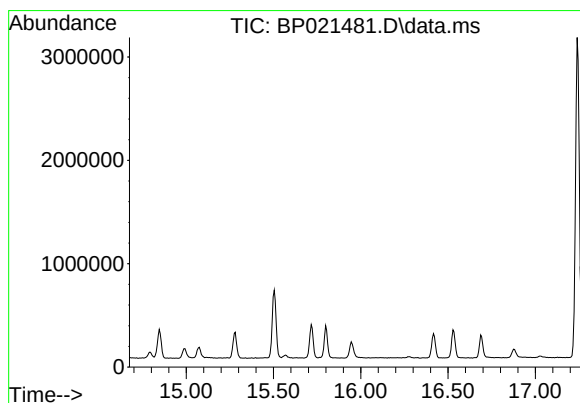
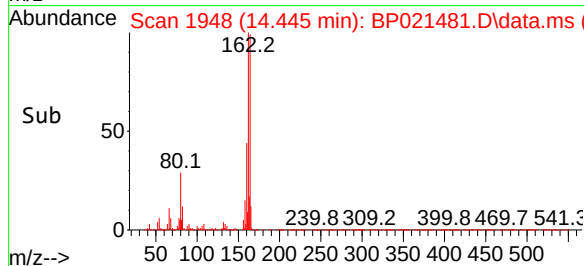
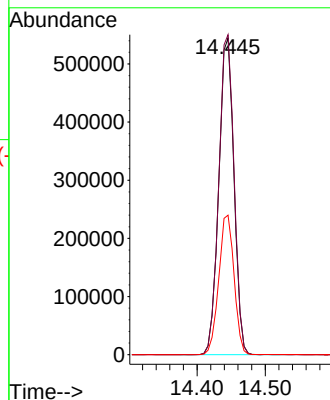
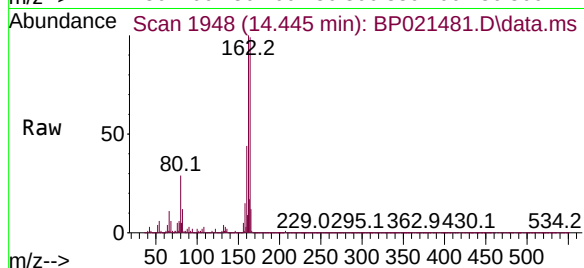
Tgt Ion:164 Resp: 840945

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

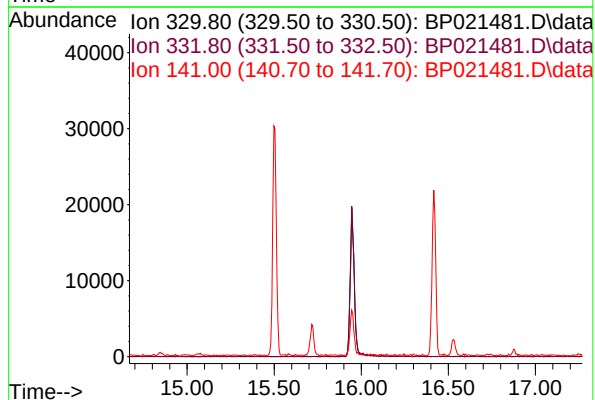
Tgt Ion: 330

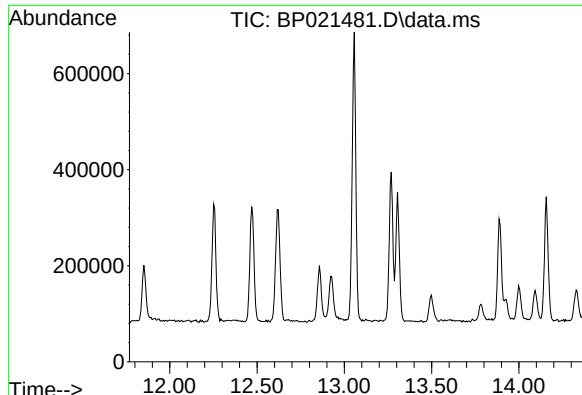
Sig Exp Ratio

330 100

332 96.7

141 30.6

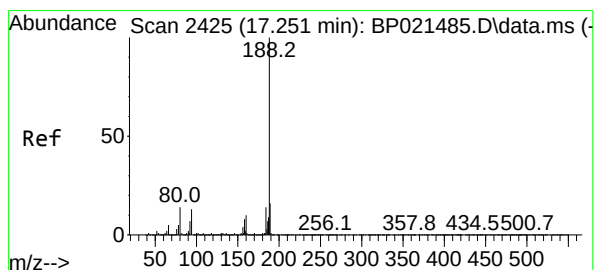
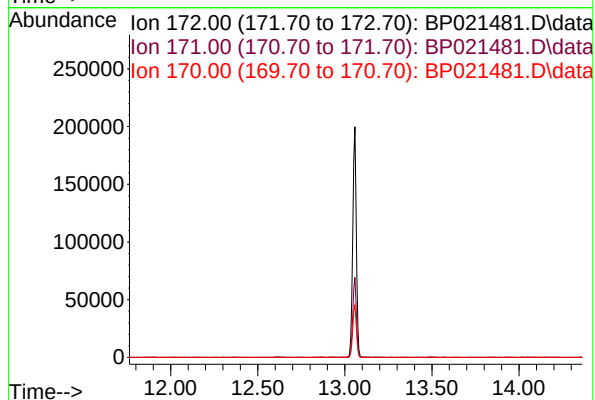




#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.06 min
Lab File: BP021481.D
Acq: 13 Aug 2024 12:32

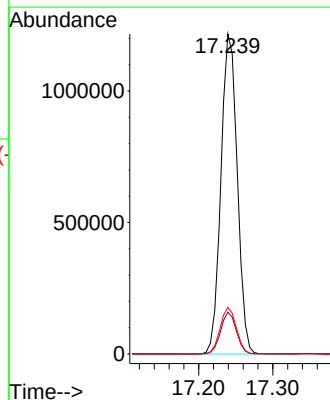
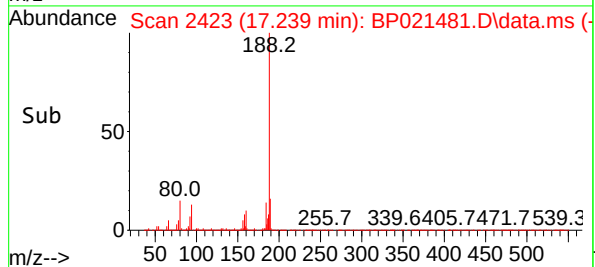
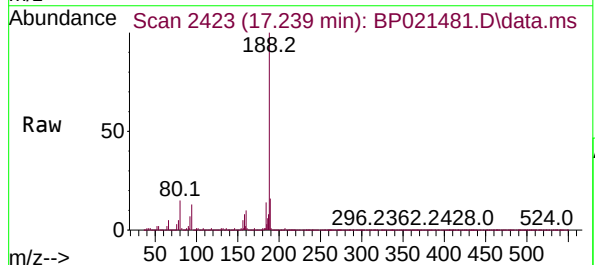
Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

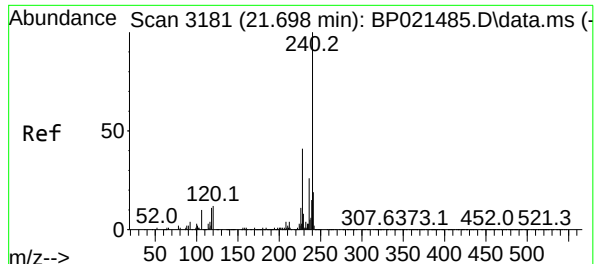
Tgt Ion: 172
Sig Exp Ratio
172 100
171 35.3
170 23.0



#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# 31

Delta R.T. 0.006 min

Lab File: BP021481.D

Acq: 13 Aug 2024 12:32

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5

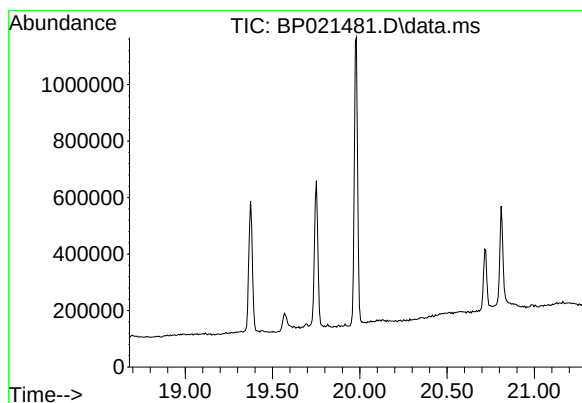
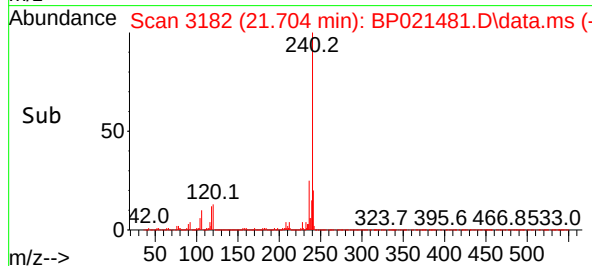
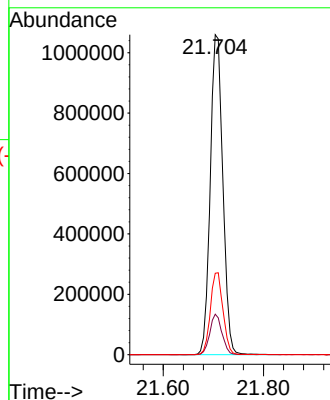
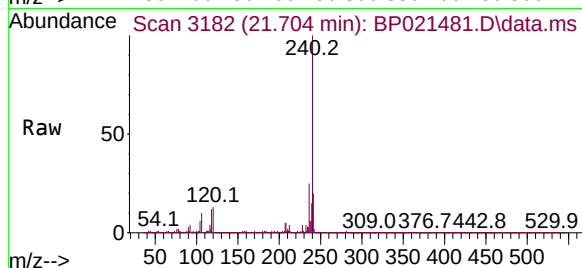
Tgt Ion:240 Resp: 1845246

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

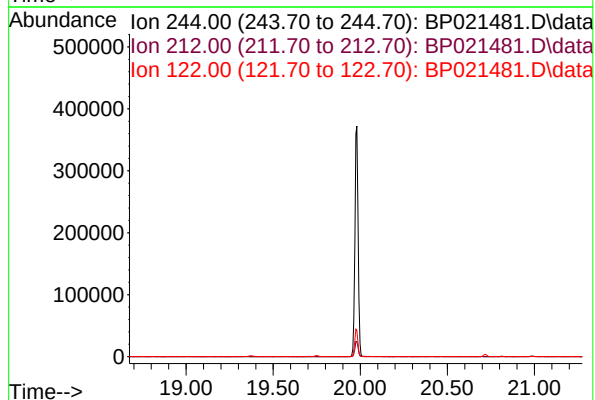
Tgt Ion: 244

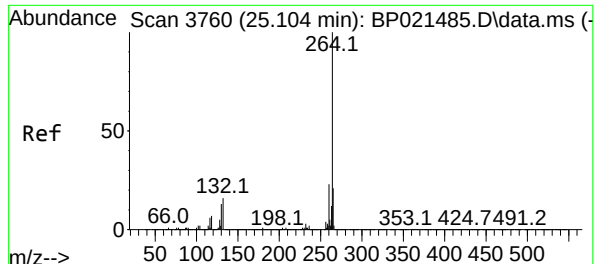
Sig Exp Ratio

244 100

212 7.0

122 11.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.115 min Scan# 31

Delta R.T. 0.012 min

Lab File: BP021481.D

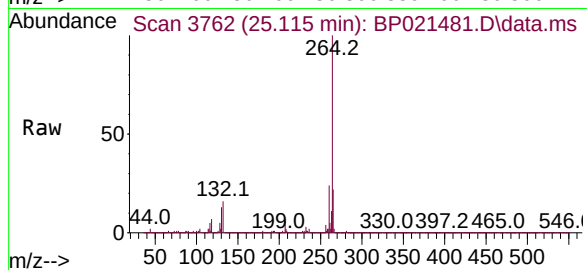
Acq: 13 Aug 2024 12:32

Instrument :

BNA_P

ClientSampleId :

SSTDICC2.5



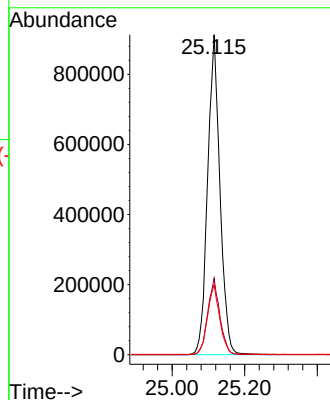
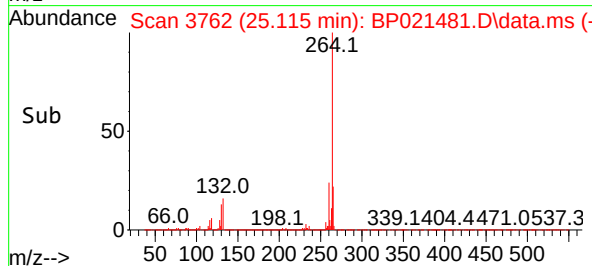
Tgt Ion:264 Resp: 2154249

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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

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

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

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

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

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

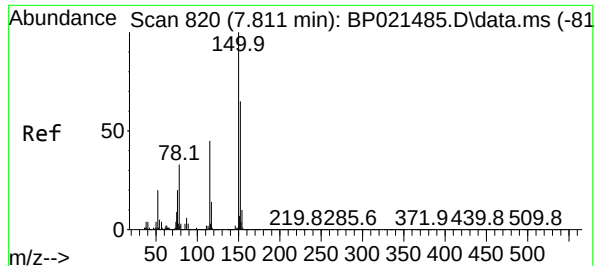
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Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

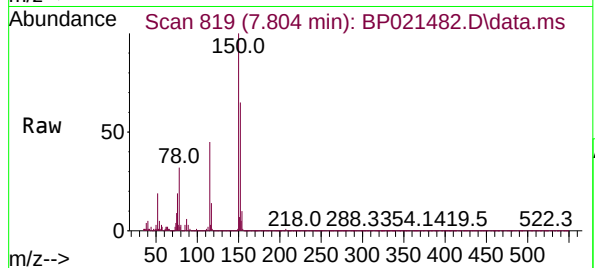
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.804 min Scan# 81
Delta R.T. -0.007 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

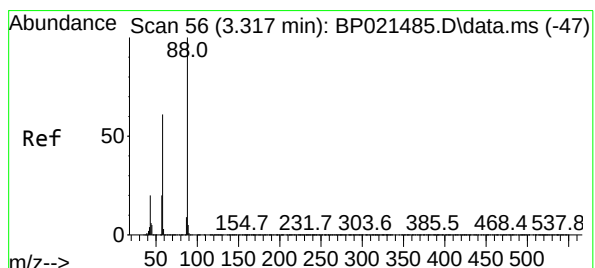
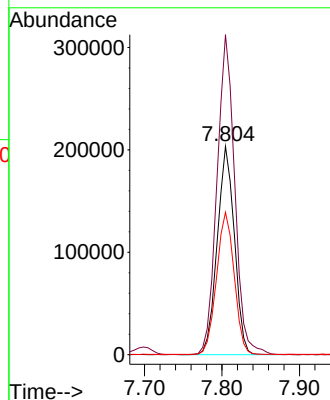
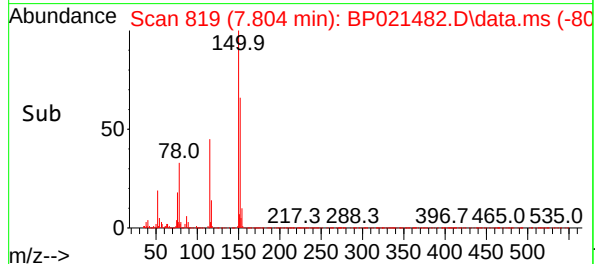
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



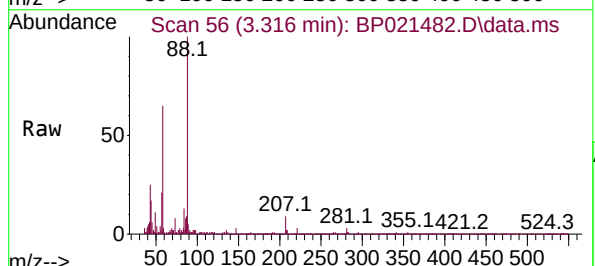
Tgt Ion: 152 Resp: 312360
Ion Ratio Lower Upper
152 100
150 153.6 122.4 183.6
115 68.4 54.7 82.1

Manual Integrations
APPROVED

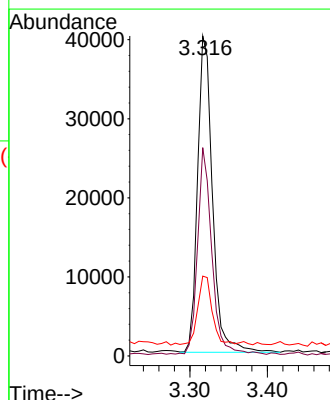
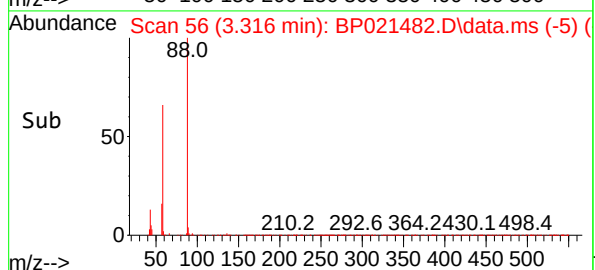
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

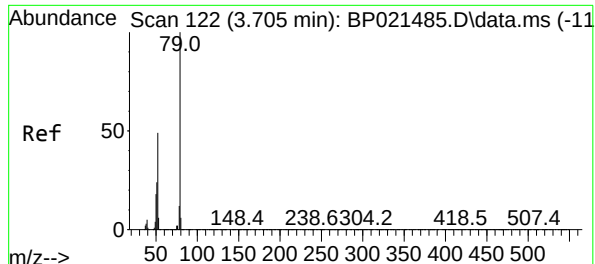


#2
1,4-Dioxane
Concen: 5.365 ng
RT: 3.316 min Scan# 56
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15



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





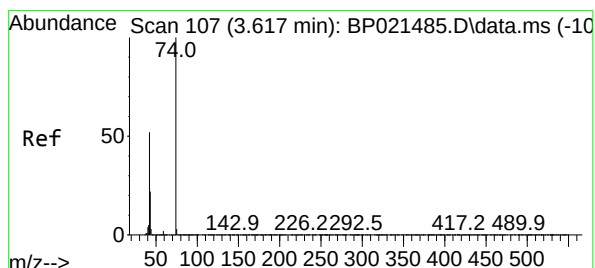
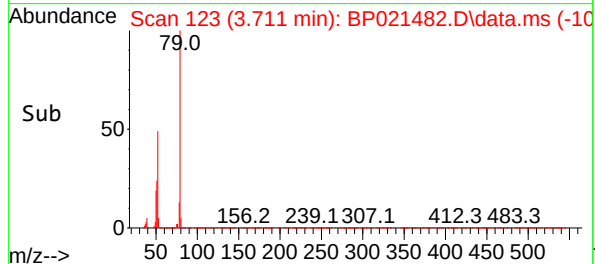
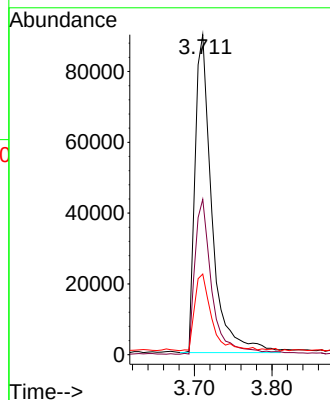
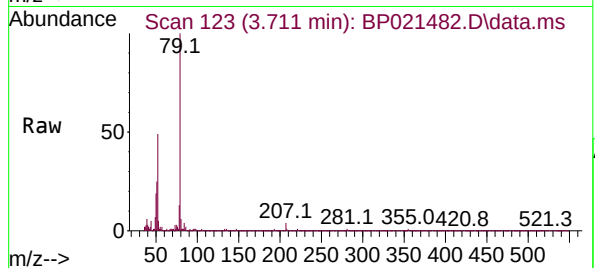
#3
Pyridine
Concen: 4.890 ng
RT: 3.711 min Scan# 122
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 136152
Ion Ratio Lower Upper
79 100
52 48.5 39.0 58.6
51 25.2 19.2 28.8

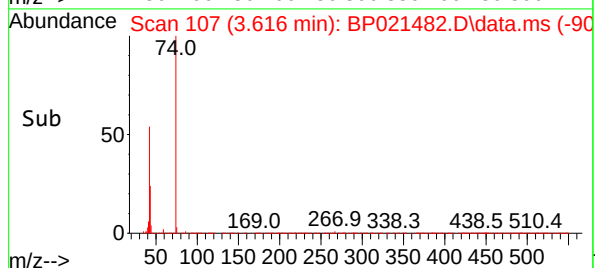
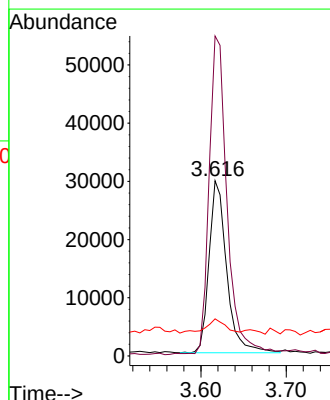
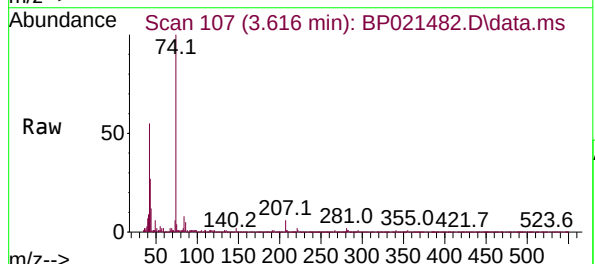
Manual Integrations
APPROVED

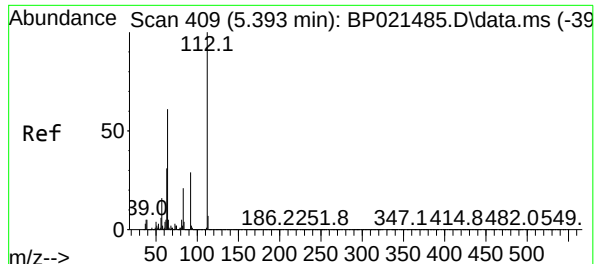
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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#





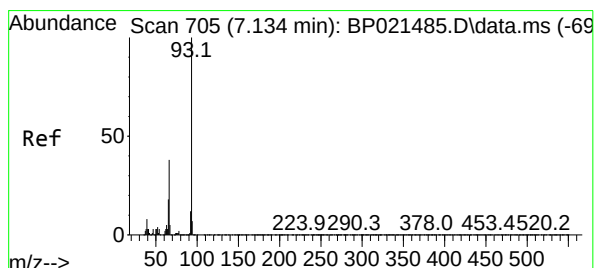
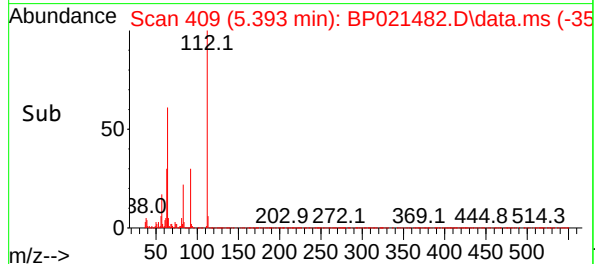
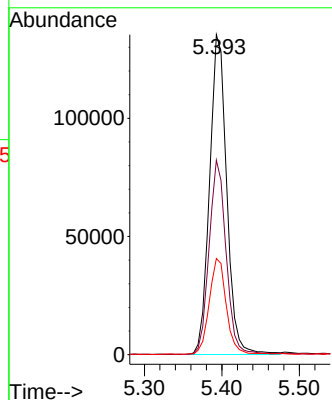
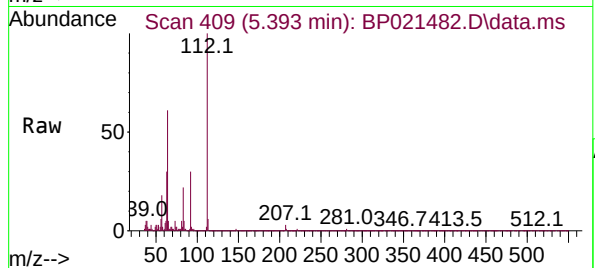
#5
2-Fluorophenol
Concen: 9.889 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
Client Sample Id :
SSTDICC005

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

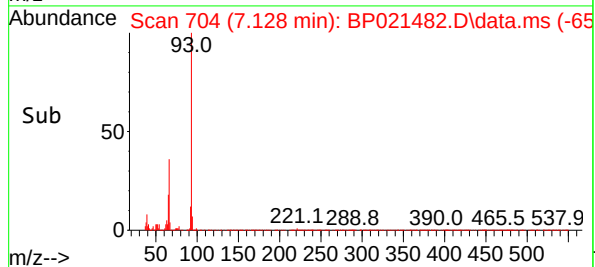
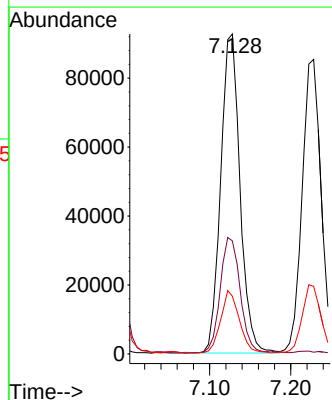
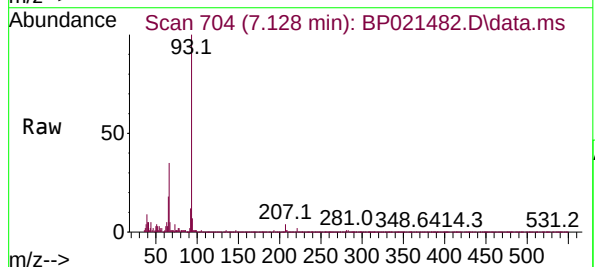
Manual Integrations
APPROVED

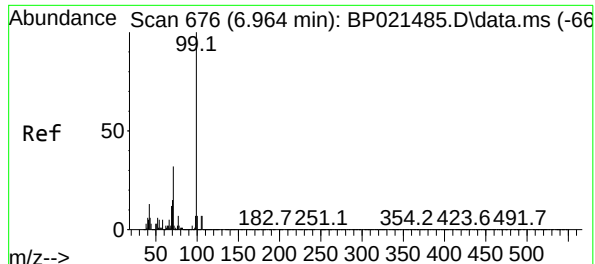
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





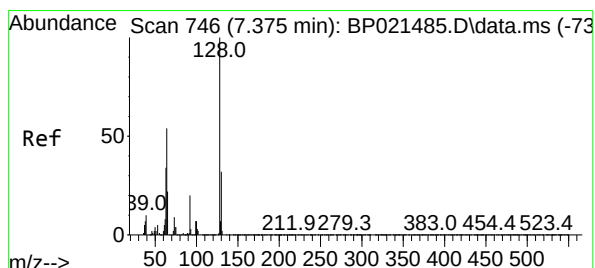
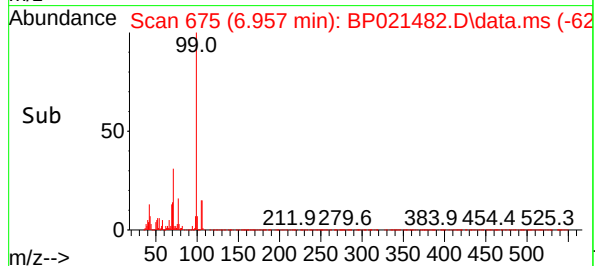
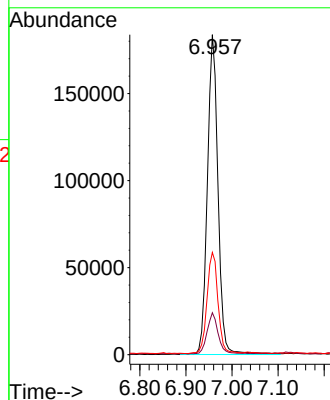
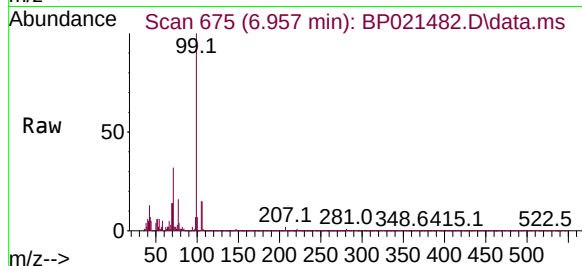
#7
Phenol-d6
Concen: 9.654 ng
RT: 6.957 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 296244
Ion Ratio Lower Upper
99 100
42 13.1 10.2 15.4
71 32.0 25.8 38.8

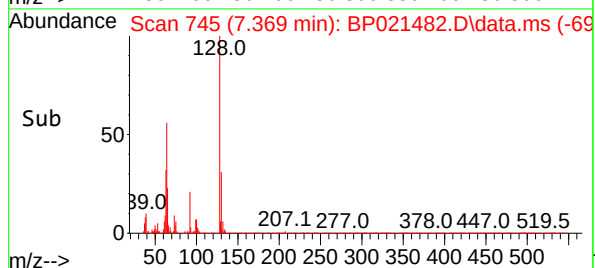
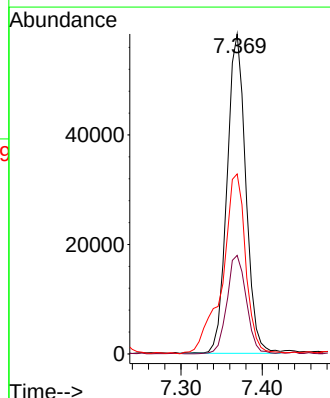
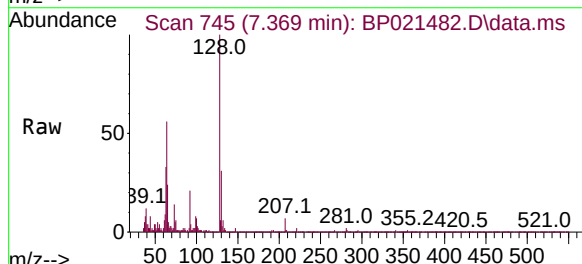
Manual Integrations
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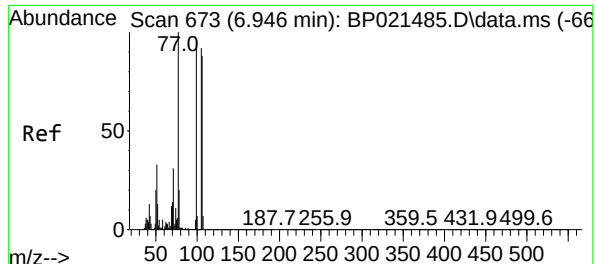
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





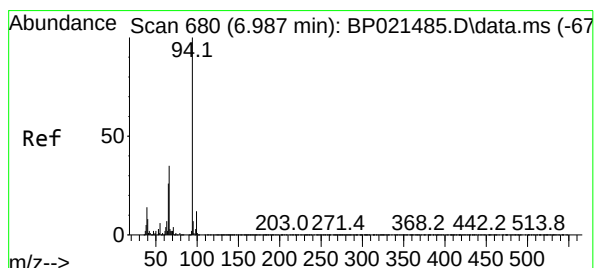
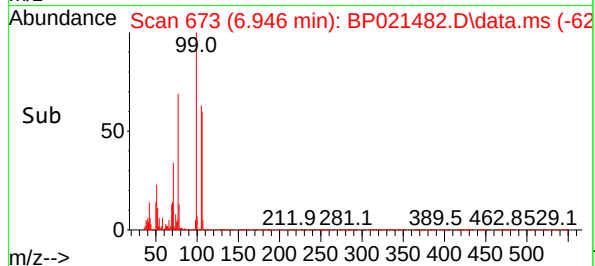
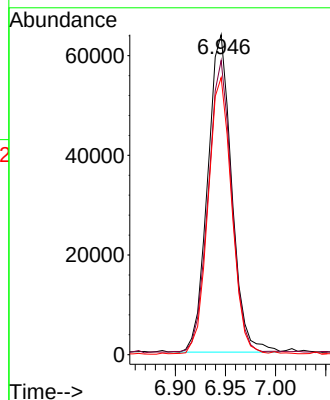
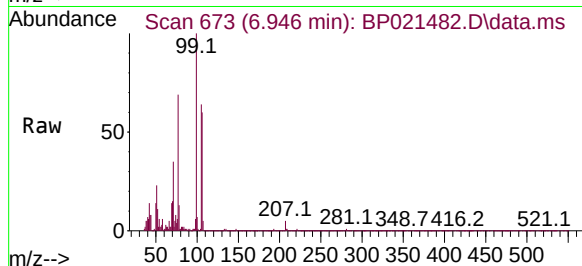
#9
Benzaldehyde
Concen: 5.421 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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

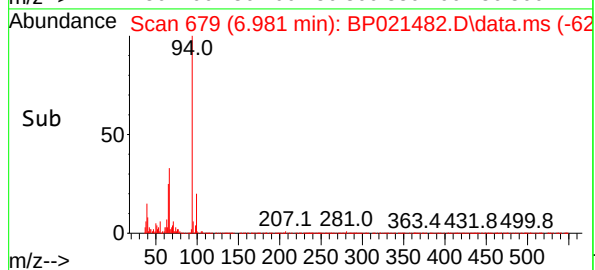
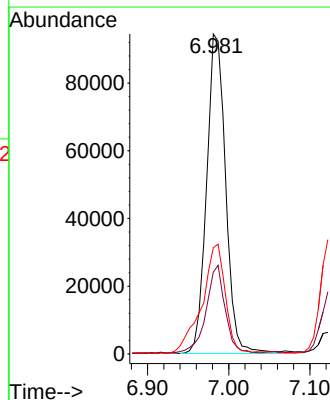
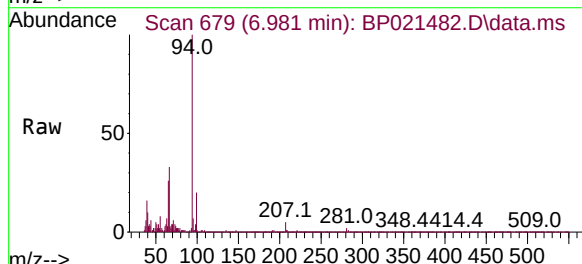
Manual Integrations
APPROVED

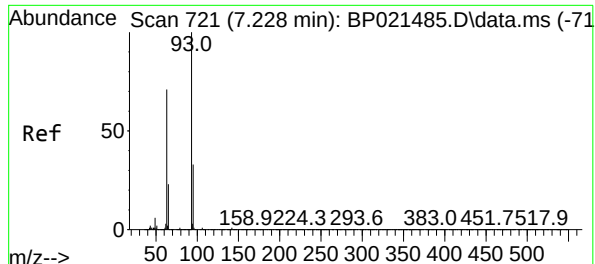
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 721

Delta R.T. -0.000 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

Tgt Ion: 93 Resp: 13720

Ion Ratio Lower Upper

93 100

63 69.8 51.0 91.0

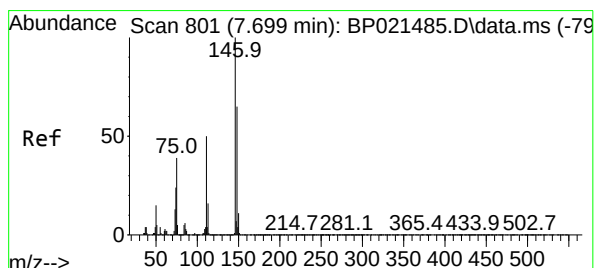
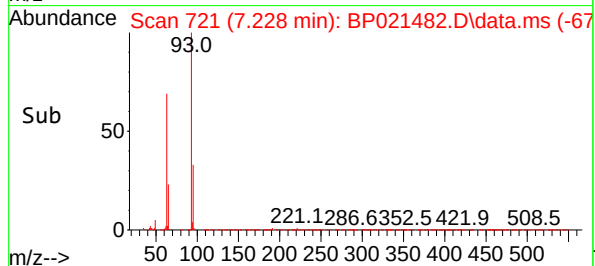
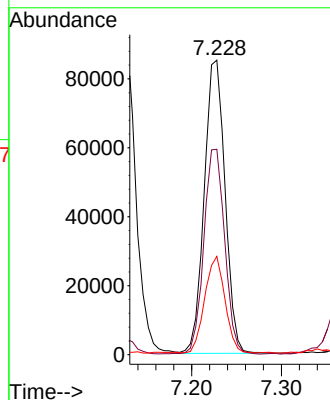
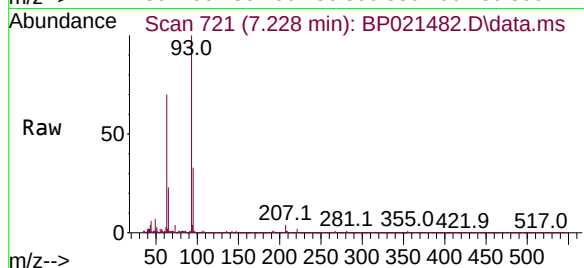
95 33.4 12.9 52.9

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

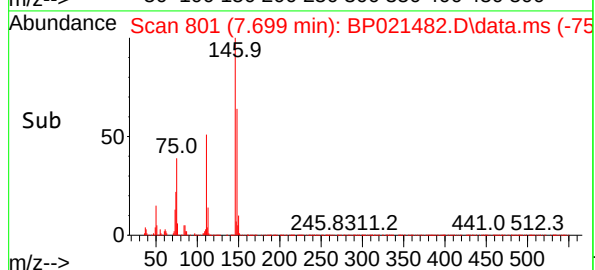
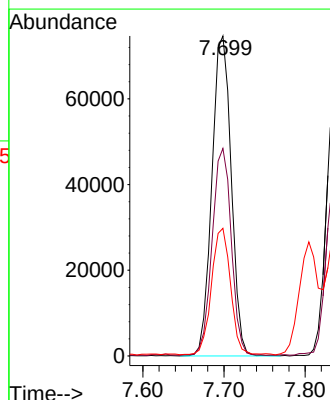
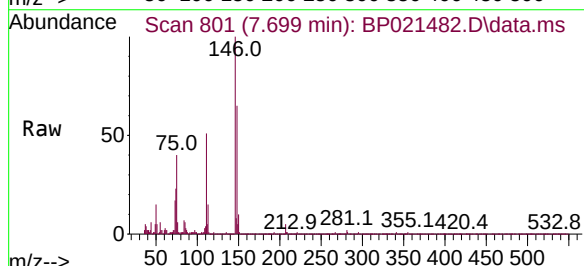
Tgt Ion:146 Resp: 123281

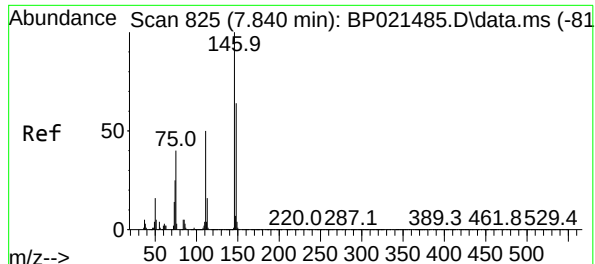
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.000 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

Tgt Ion:146 Resp: 122689

Ion Ratio Lower Upper

146 100

148 64.0 51.5 77.3

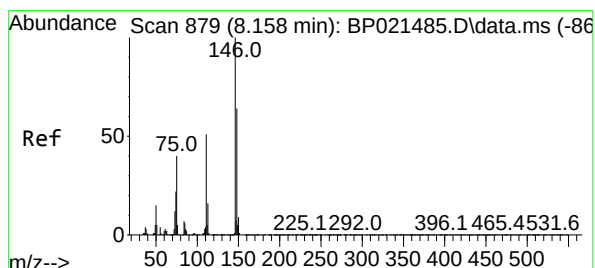
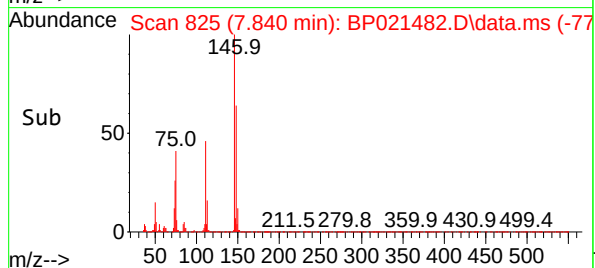
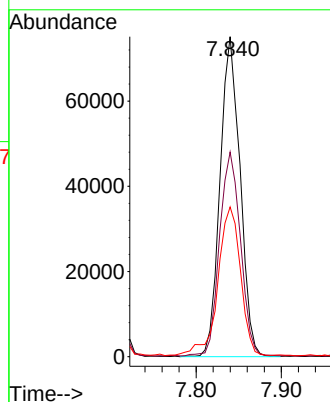
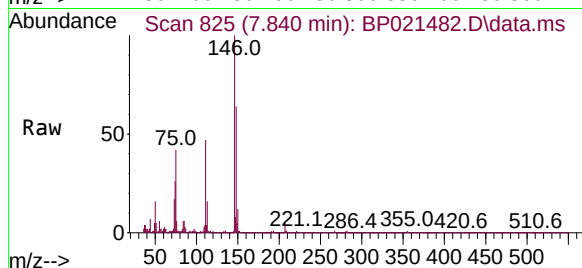
111 46.8 40.3 60.5

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

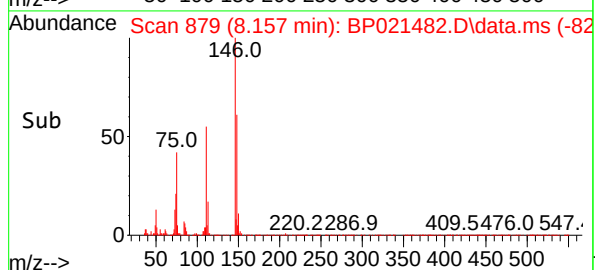
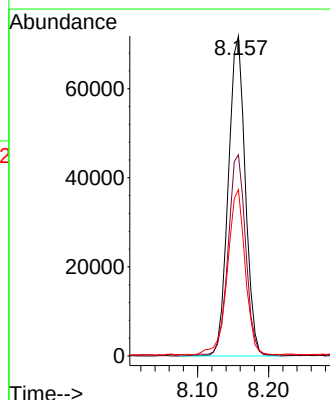
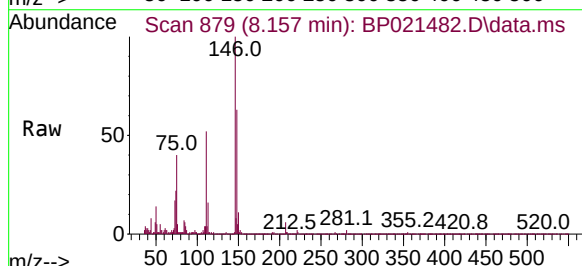
Tgt Ion:146 Resp: 118950

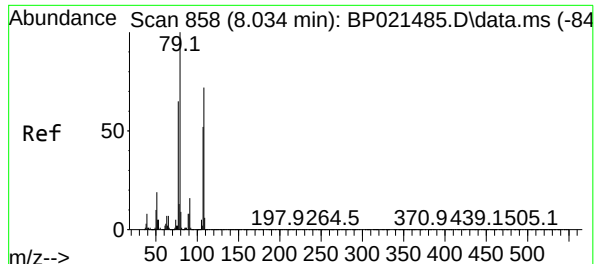
Ion Ratio Lower Upper

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# 857

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDIC005

Tgt Ion: 79 Resp: 10196

Ion Ratio Lower Upper

79 100

108 72.8 57.9 86.9

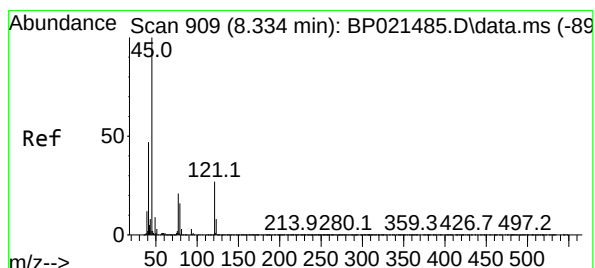
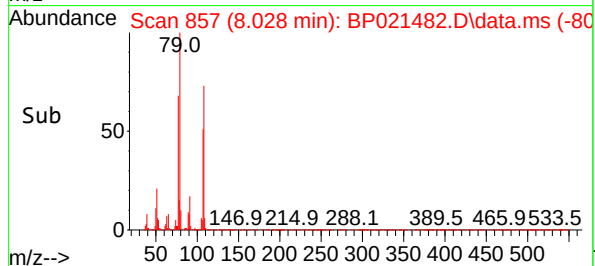
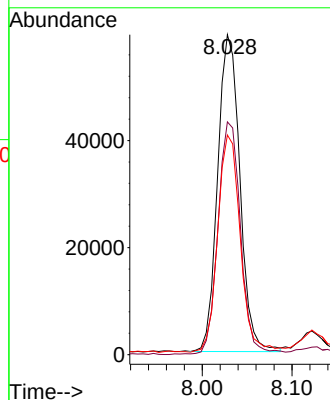
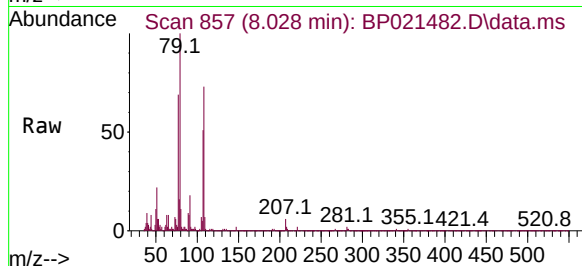
77 68.6 51.8 77.8

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

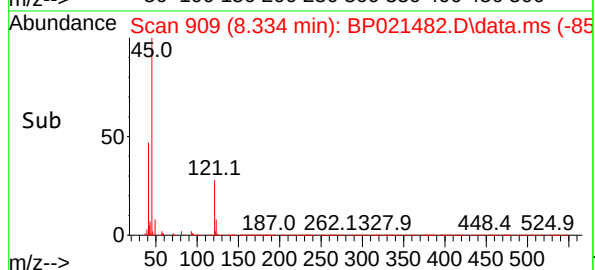
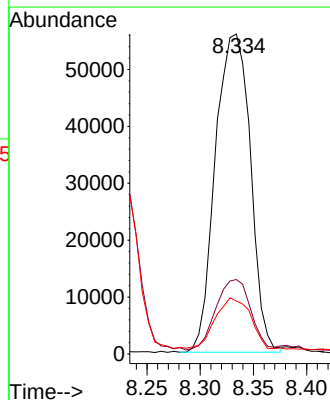
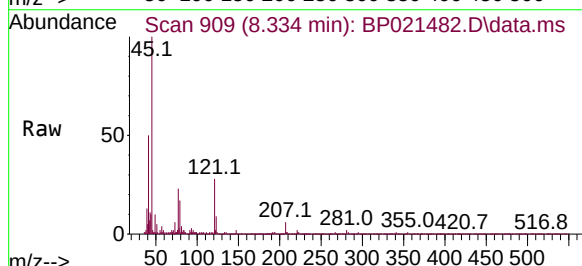
Tgt Ion: 45 Resp: 127954

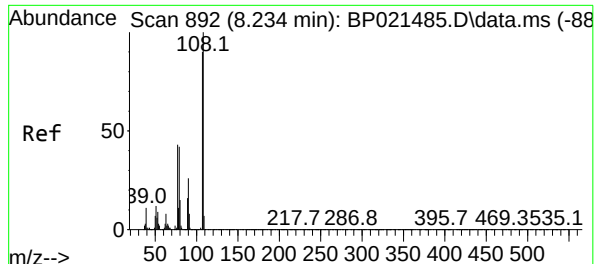
Ion Ratio Lower Upper

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# 891

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

ClientSampleId :

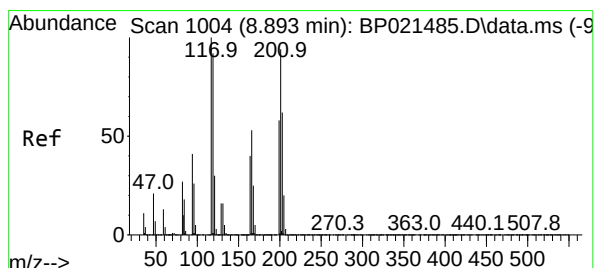
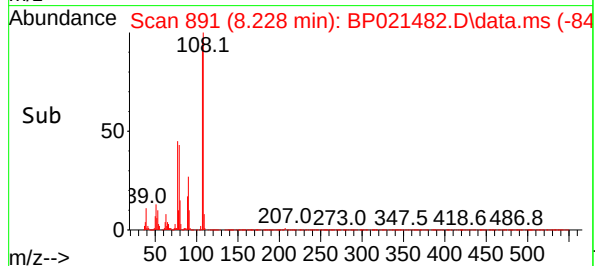
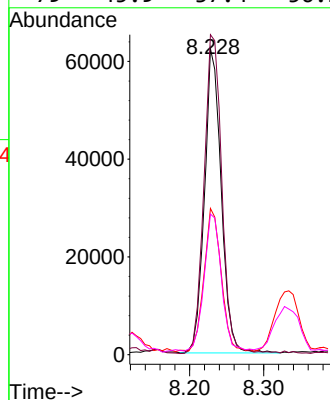
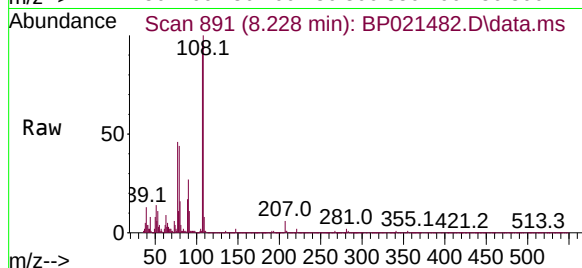
SSTDICC005

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

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#18

Hexachloroethane

Concen: 5.002 ng

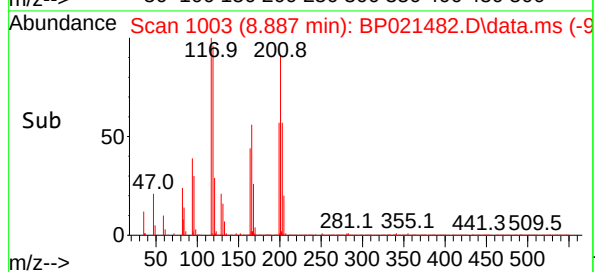
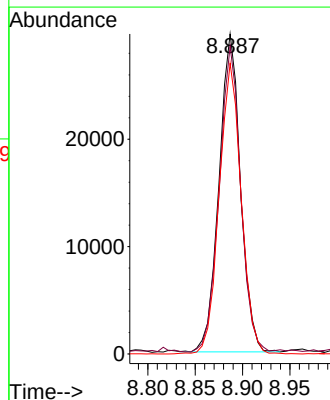
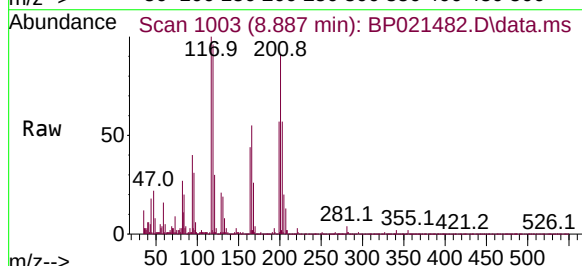
RT: 8.887 min Scan# 1003

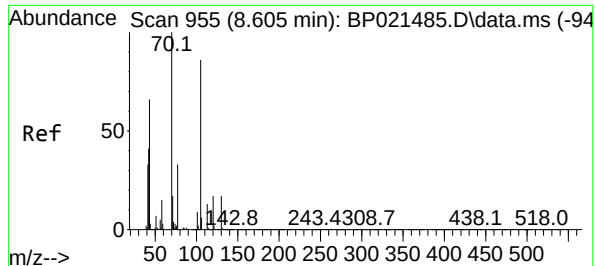
Delta R.T. -0.006 min

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# 91

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

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

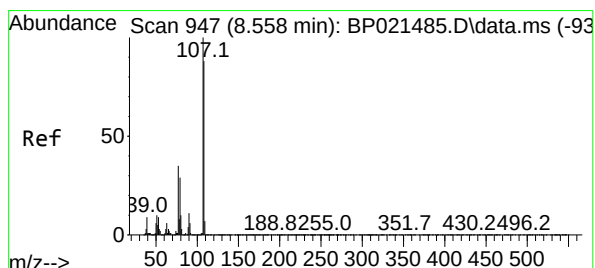
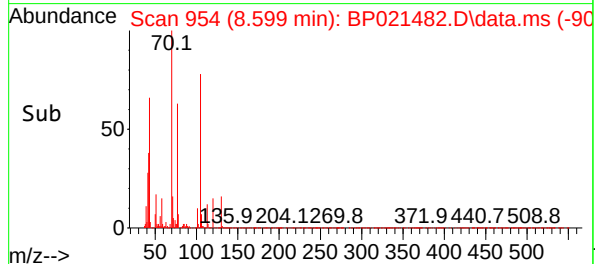
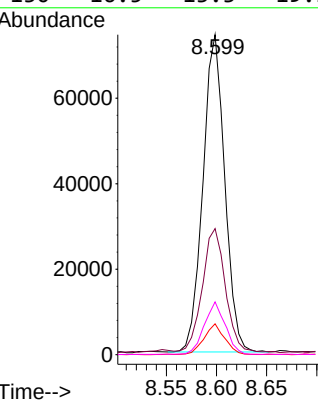
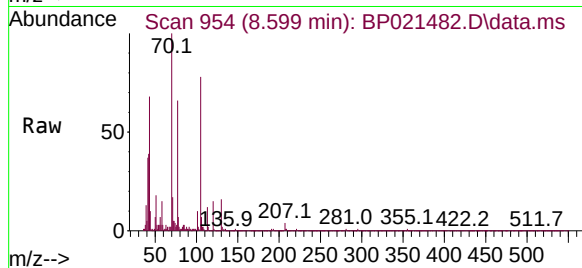
130 16.5 13.3 19.9

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

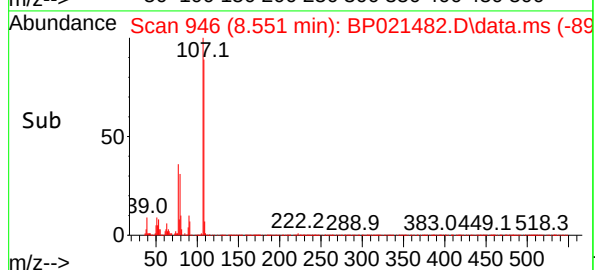
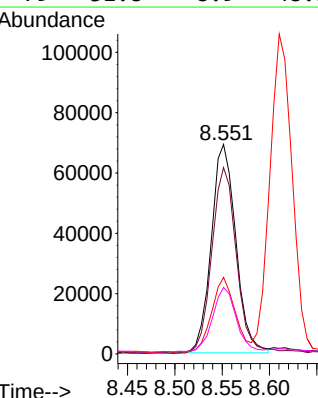
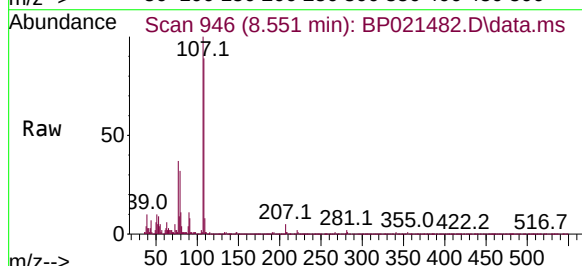
Ion Ratio Lower Upper

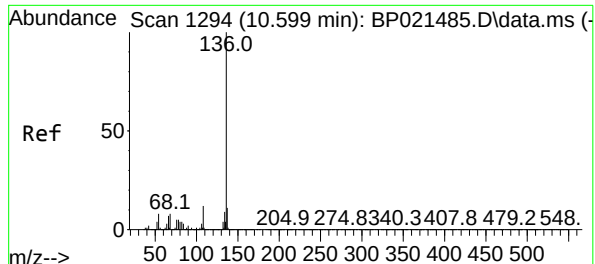
107 100

108 89.0 67.6 107.6

77 36.6 15.0 55.0

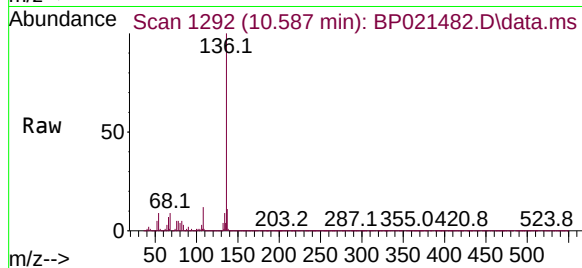
79 31.8 8.9 48.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.587 min Scan# 11
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

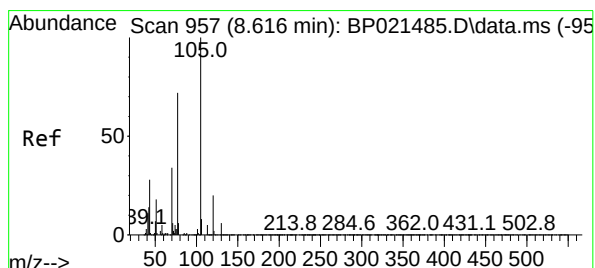
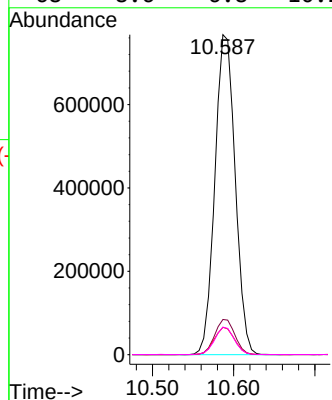
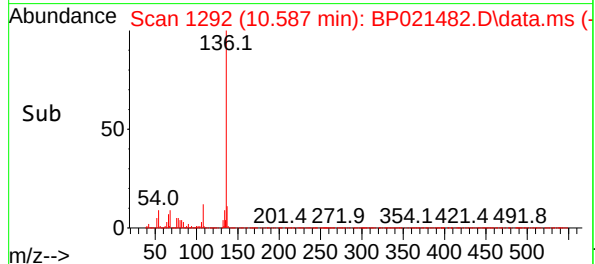
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



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

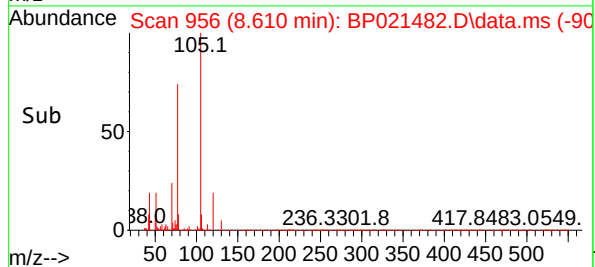
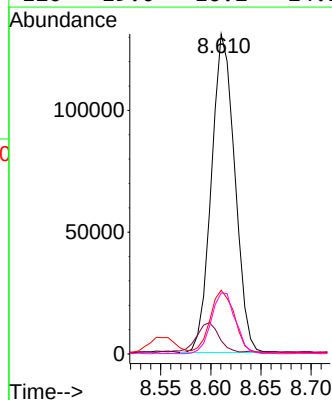
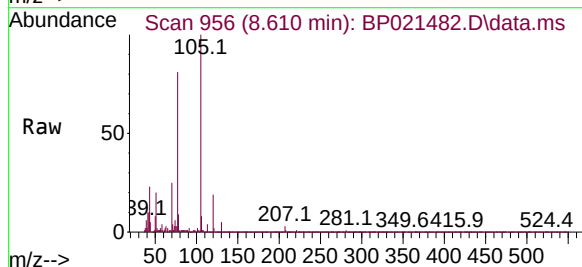
Manual Integrations
APPROVED

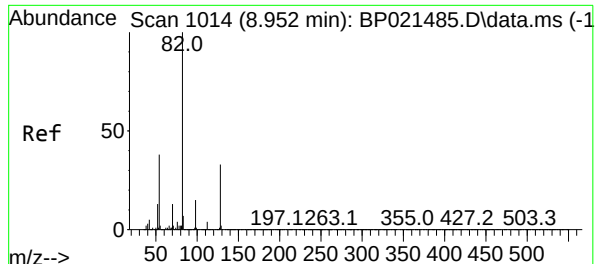
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1013

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

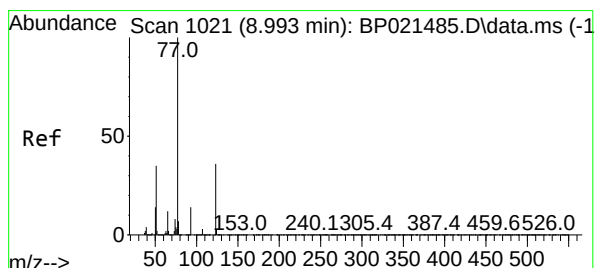
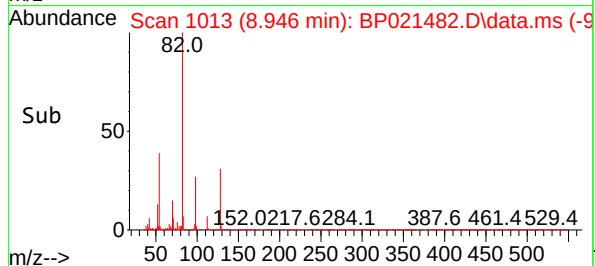
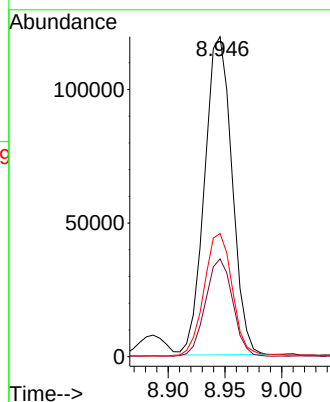
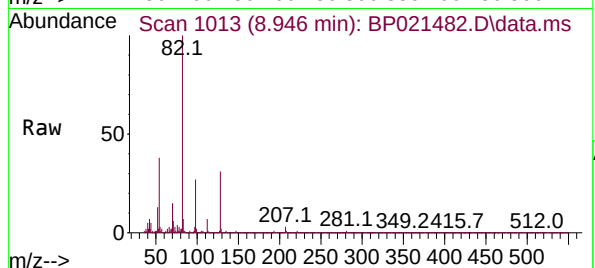
Tgt Ion:	82	Resp:	19994
Ion	Ratio	Lower	Upper
82	100		
128	30.5	26.5	39.7
54	38.5	30.3	45.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#24

Nitrobenzene

Concen: 4.017 ng

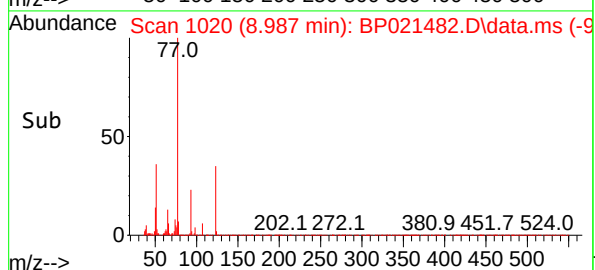
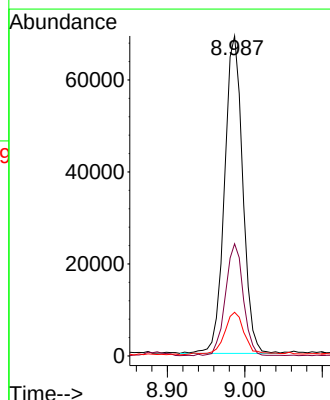
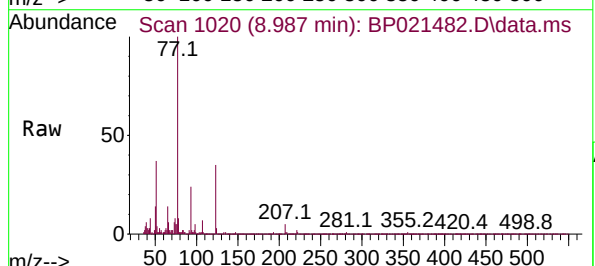
RT: 8.987 min Scan# 1020

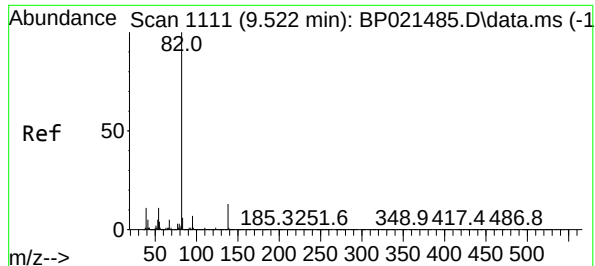
Delta R.T. -0.006 min

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





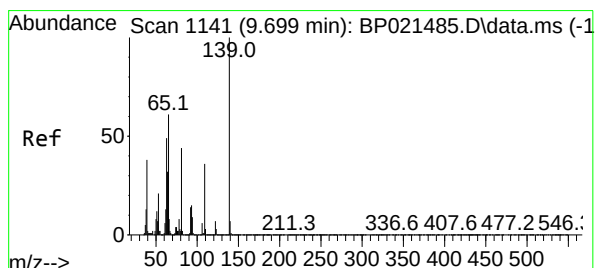
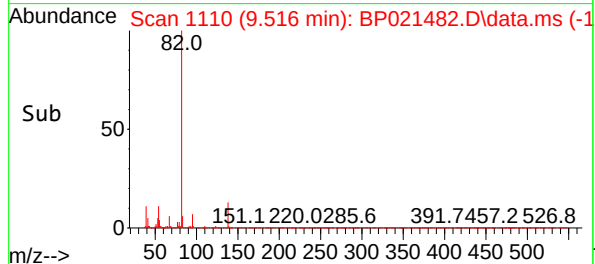
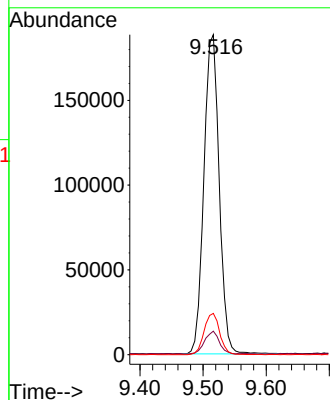
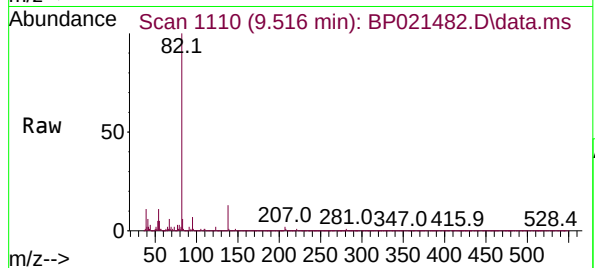
#25
Isophorone
Concen: 5.171 ng
RT: 9.516 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 315900
Ion Ratio Lower Upper
82 100
95 7.4 5.4 8.2
138 12.9 10.6 16.0

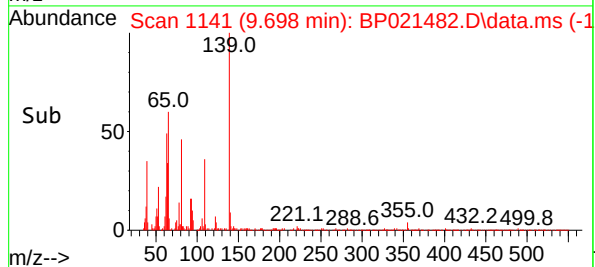
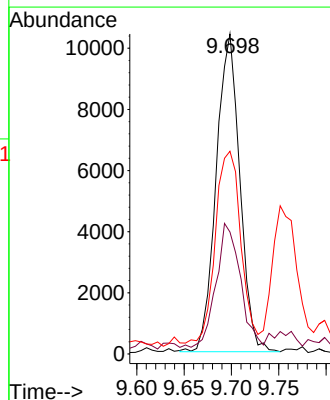
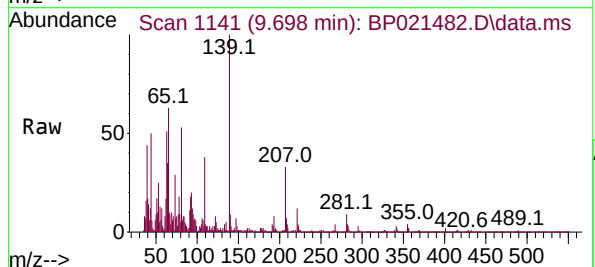
Manual Integrations
APPROVED

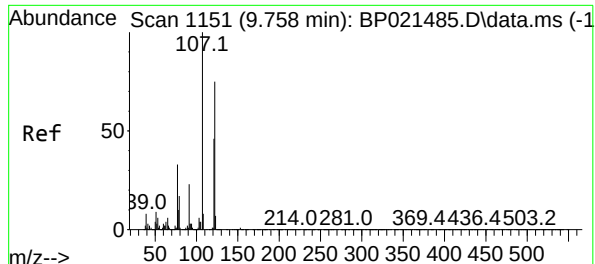
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1151

Delta R.T. -0.000 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

ClientSampleId :

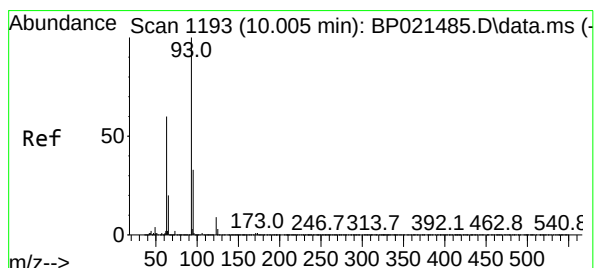
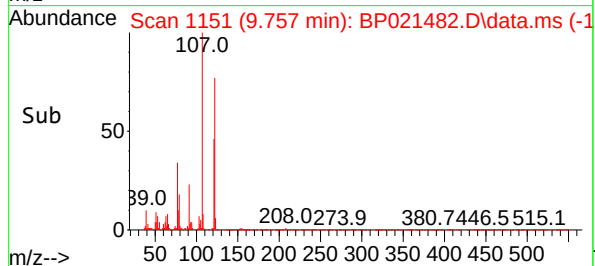
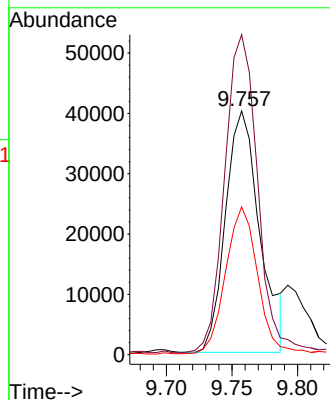
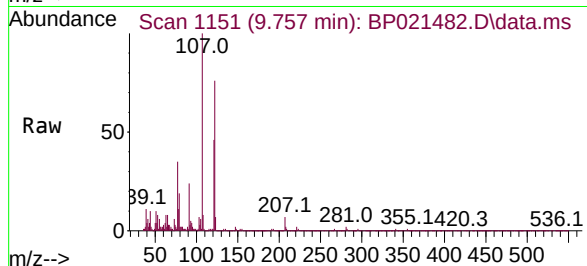
SSTDICC005

Tgt Ion:	122	Resp:	72762
Ion	Ratio	Lower	Upper
122	100		
107	131.3	106.2	159.4
121	60.7	48.8	73.2

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

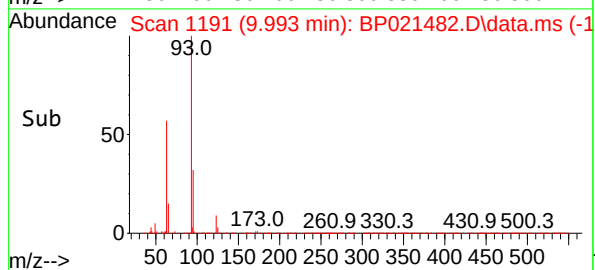
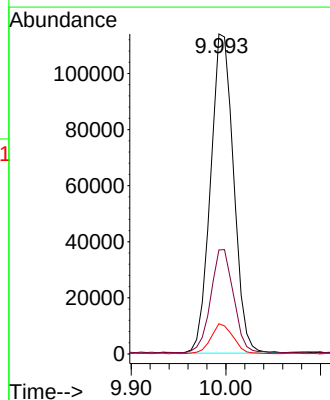
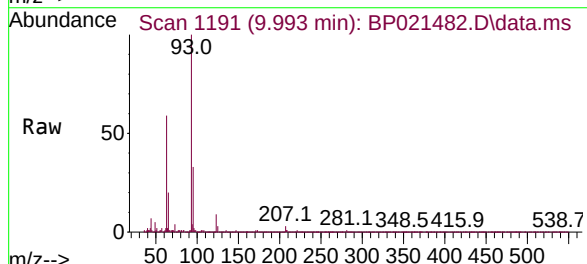
RT: 9.993 min Scan# 1191

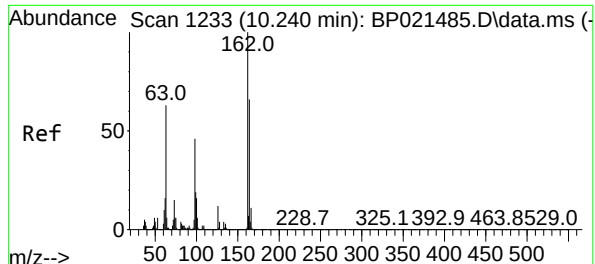
Delta R.T. -0.012 min

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# 1231

Delta R.T. -0.012 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

Tgt Ion:162 Resp: 7531

Ion Ratio Lower Upper

162 100

164 67.8 45.9 85.9

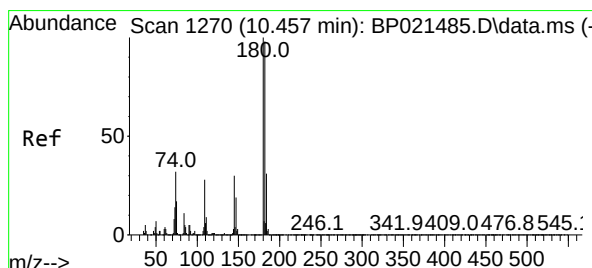
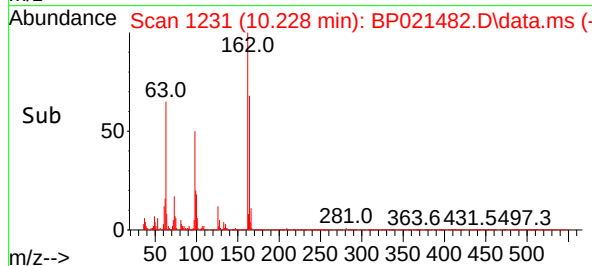
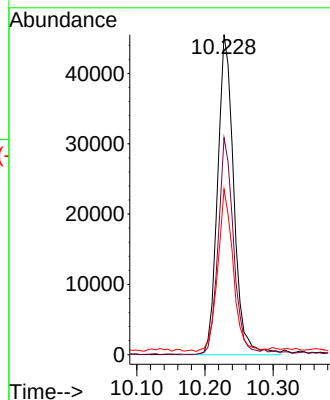
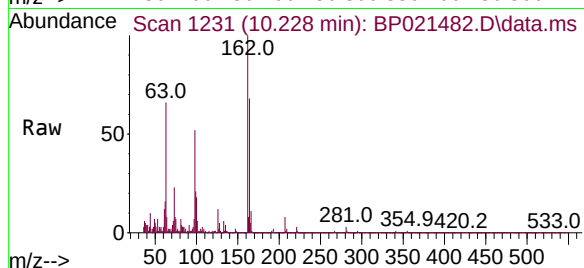
98 51.7 26.3 66.3

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

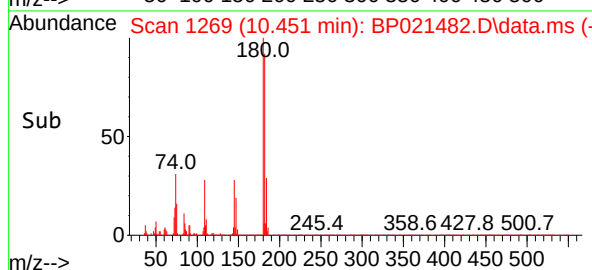
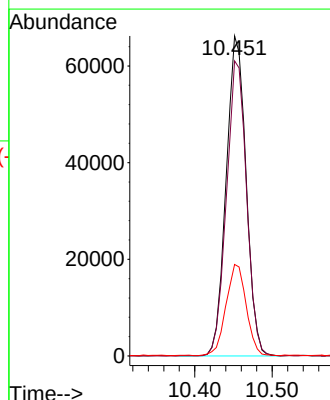
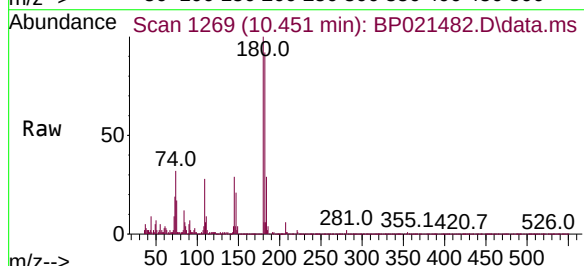
Tgt Ion:180 Resp: 118446

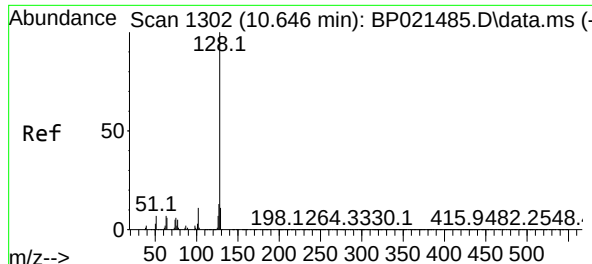
Ion Ratio Lower Upper

180 100

182 92.2 78.3 117.5

145 28.6 24.0 36.0





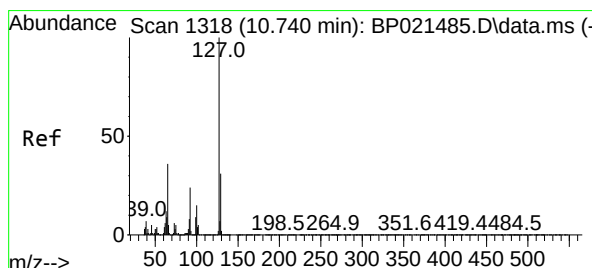
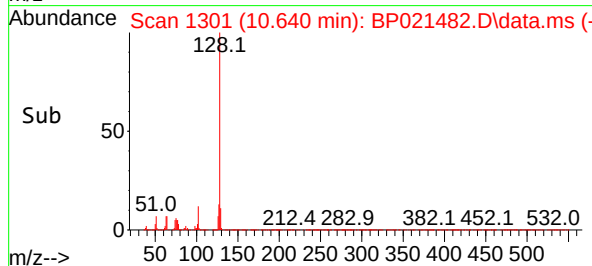
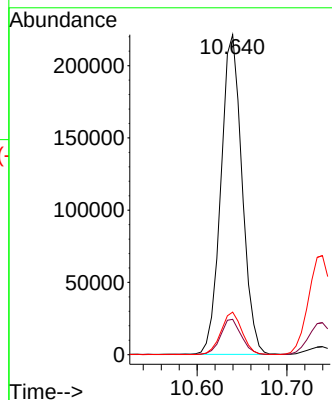
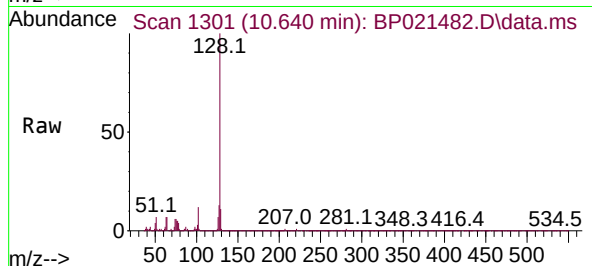
#31
Naphthalene
Concen: 5.189 ng
RT: 10.640 min Scan# 1302
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 361804
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 13.3 10.6 15.8

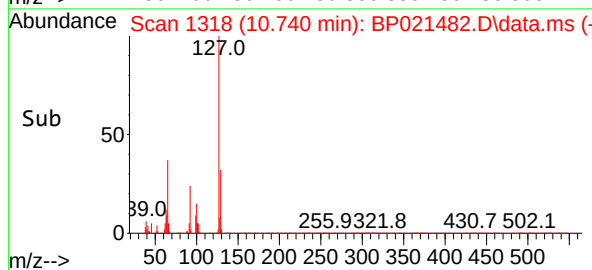
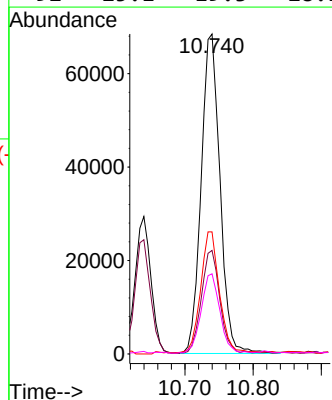
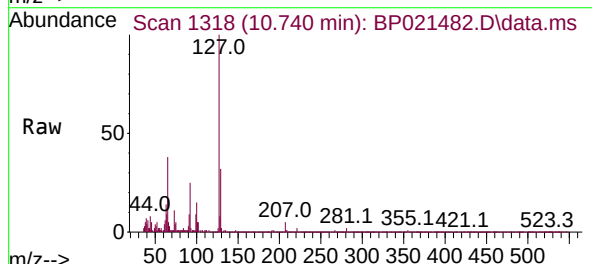
Manual Integrations
APPROVED

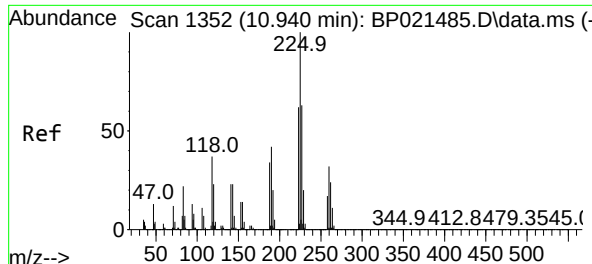
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

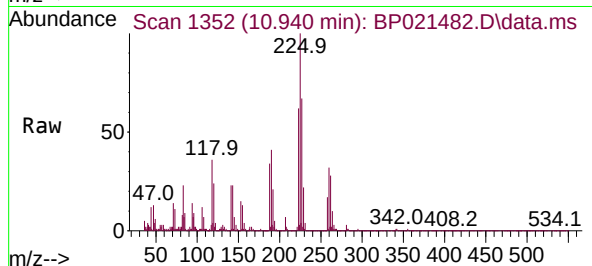
Tgt Ion:127 Resp: 131360
Ion Ratio Lower Upper
127 100
129 32.3 24.5 36.7
65 38.1 28.9 43.3
92 25.1 19.3 28.9





#34
Hexachlorobutadiene
Concen: 5.038 ng
RT: 10.940 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

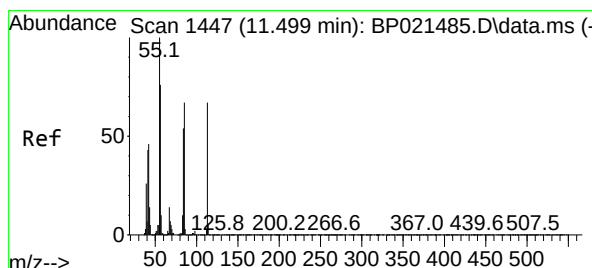
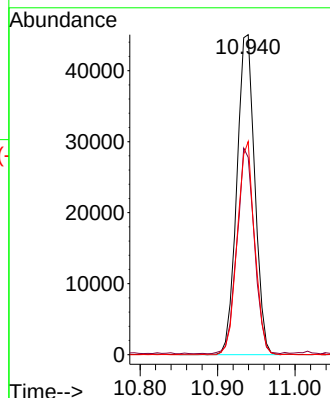
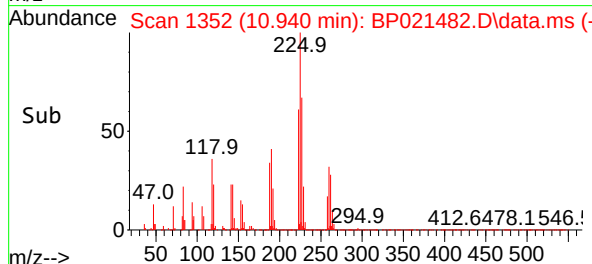
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



Tgt Ion: 225 Resp: 72430
Ion Ratio Lower Upper
225 100
223 61.7 49.6 74.4
227 66.6 50.1 75.1

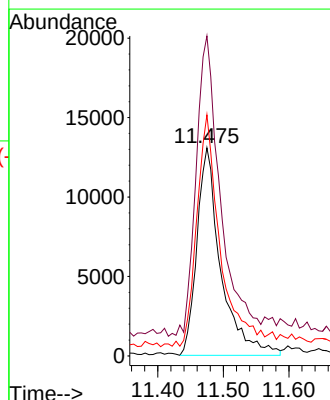
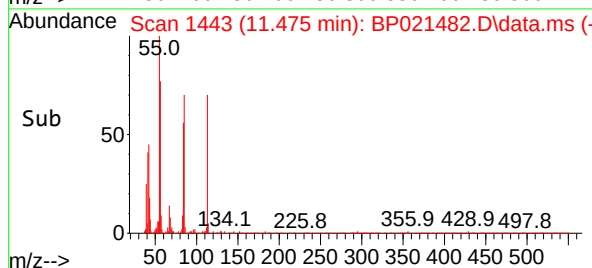
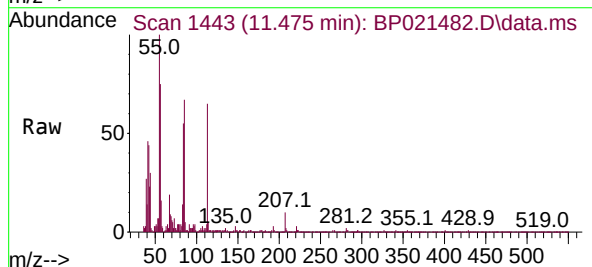
Manual Integrations
APPROVED

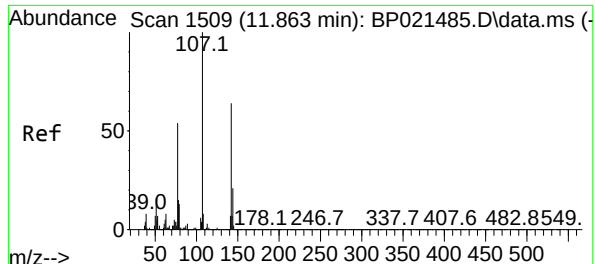
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





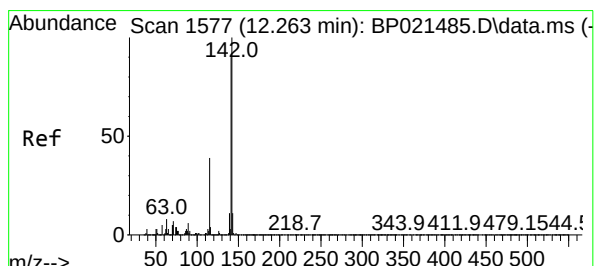
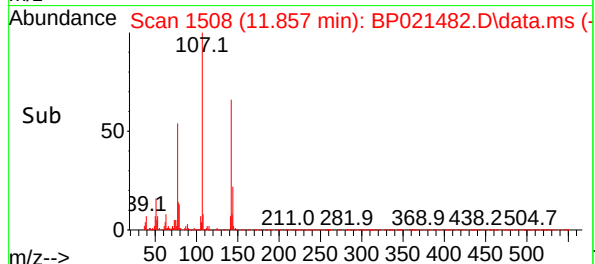
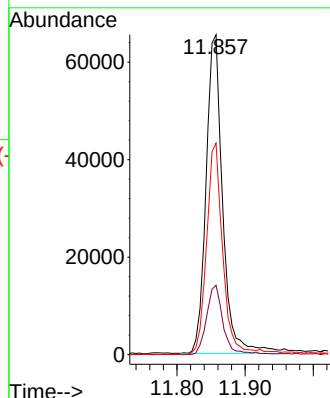
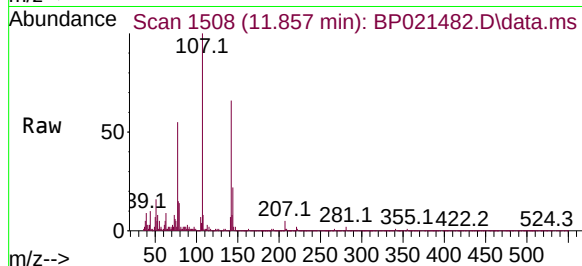
#36
4-Chloro-3-methylphenol
Concen: 4.481 ng
RT: 11.857 min Scan# 110730
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 110730
Ion Ratio Lower Upper
107 100
144 21.7 16.6 24.8
142 66.1 51.0 76.4

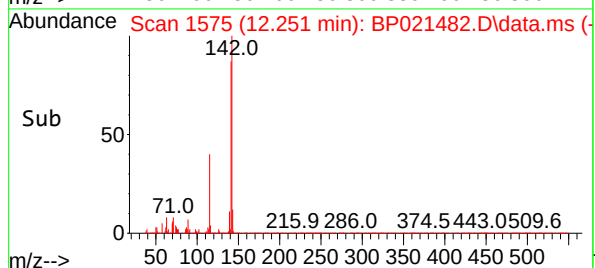
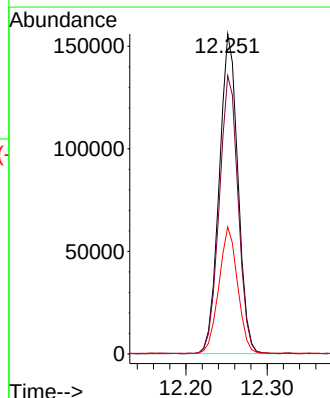
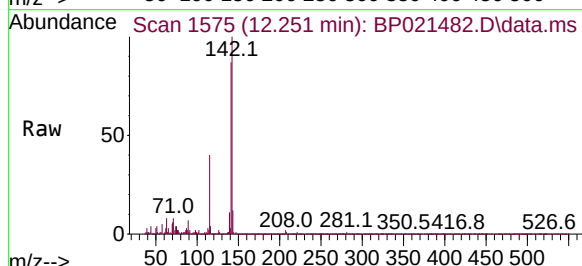
Manual Integrations
APPROVED

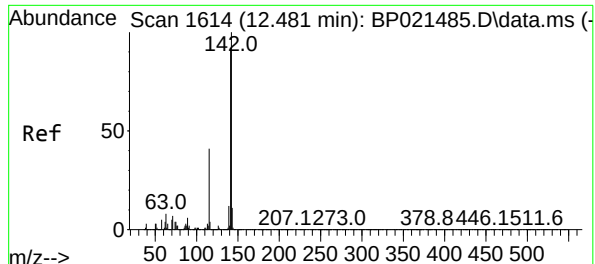
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

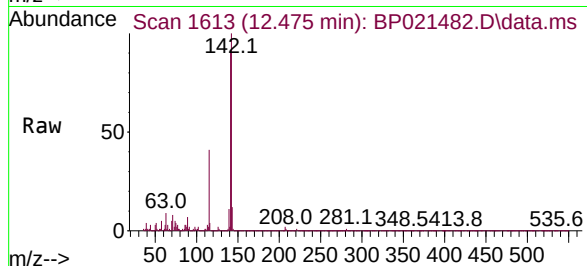
Tgt Ion:142 Resp: 249268
Ion Ratio Lower Upper
142 100
141 87.0 71.7 107.5
115 39.7 31.4 47.2





#38
1-Methylnaphthalene
Concen: 5.276 ng
RT: 12.475 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

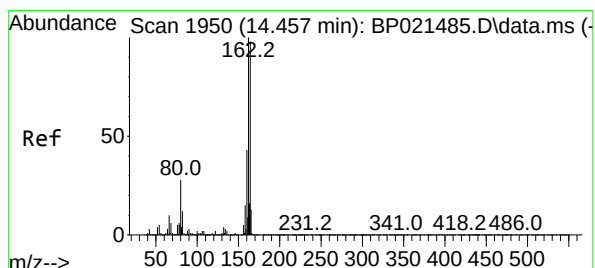
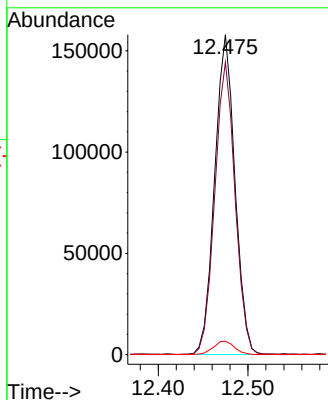
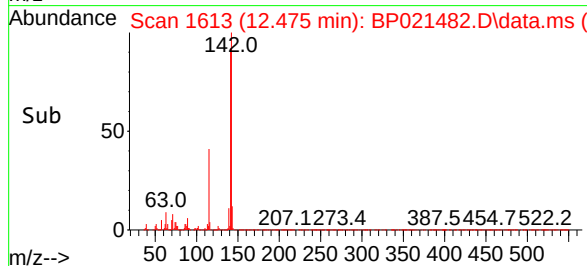
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



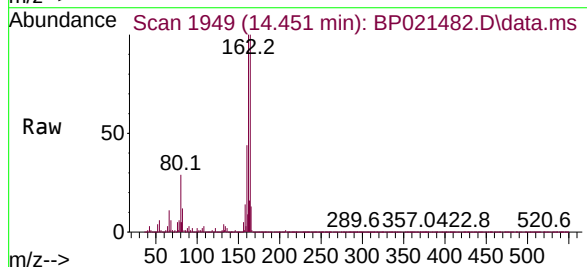
Tgt Ion:142 Resp: 24761
Ion Ratio Lower Upper
142 100
141 91.5 73.5 110.3
116 4.2 3.4 5.2

Manual Integrations
APPROVED

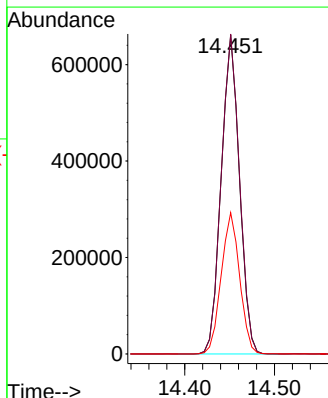
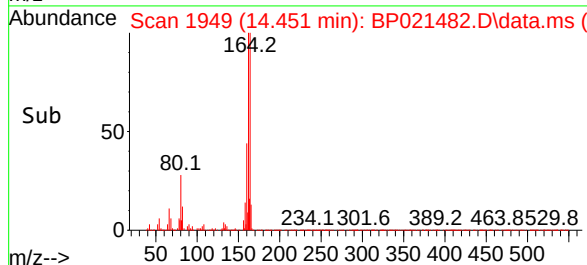
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

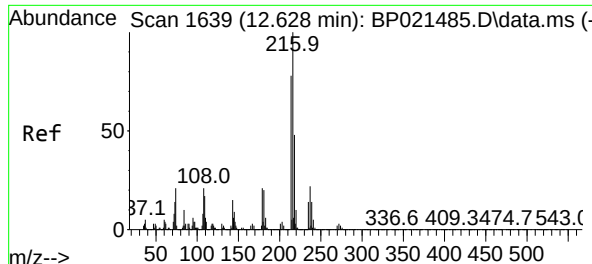


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15



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# 1638
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

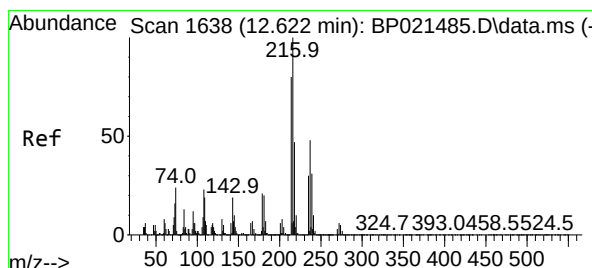
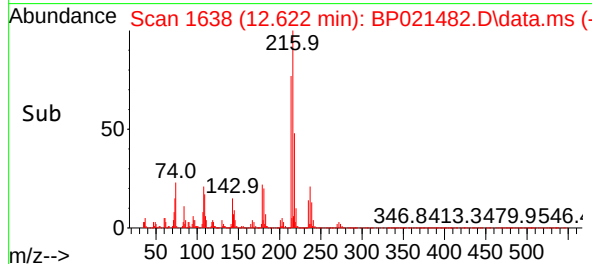
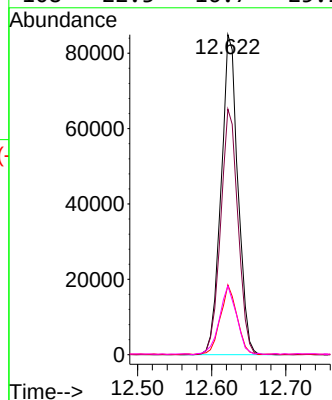
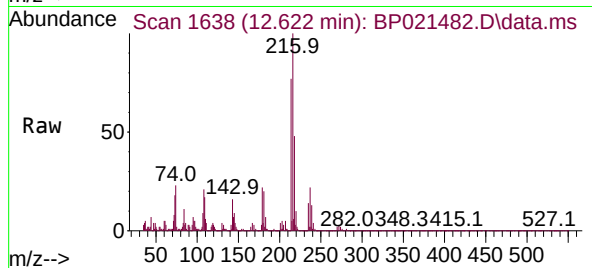
ClientSampleId :

SSTDICC005

Tgt 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

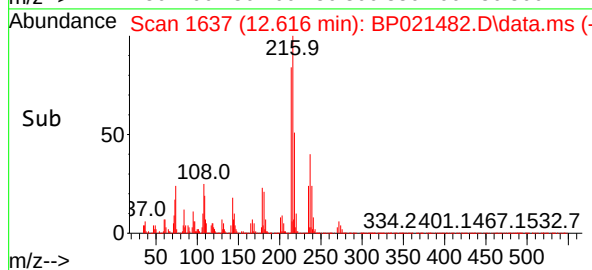
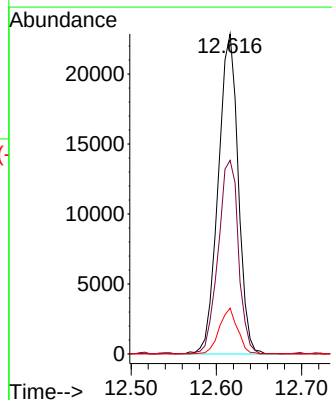
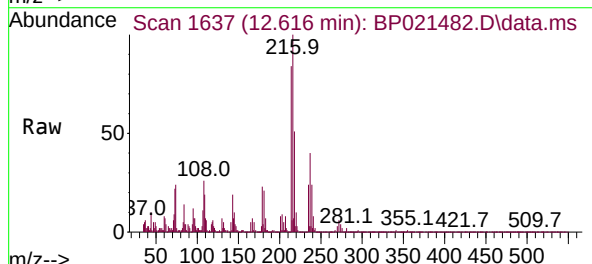
Manual Integrations
APPROVED

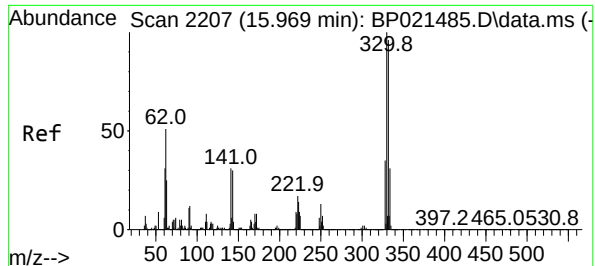
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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	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# 2207

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

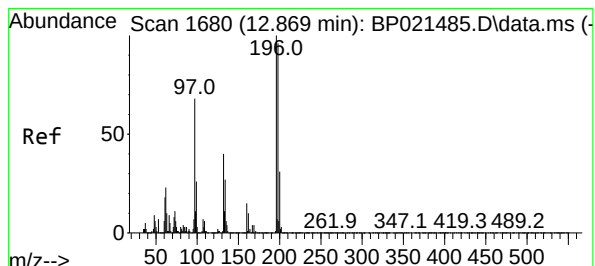
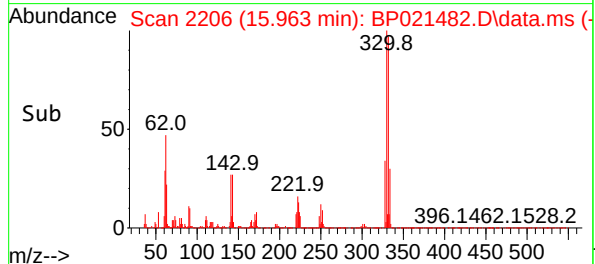
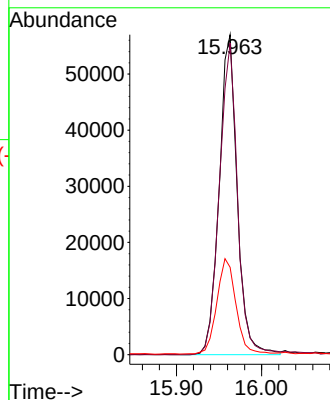
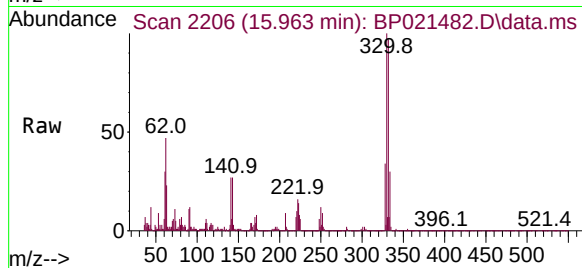
Tgt Ion:	330	Resp:	83800
Ion Ratio	Lower	Upper	
330	100		
332	99.0	77.4	116.0
141	31.6	24.5	36.7

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

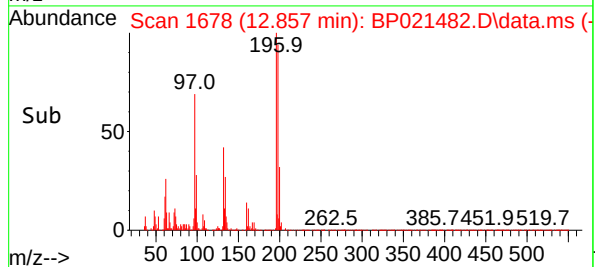
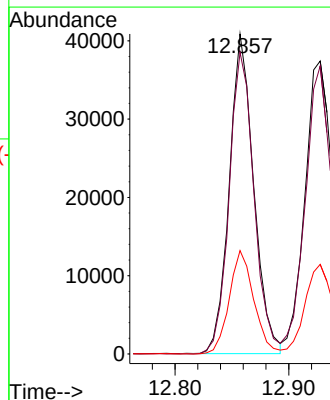
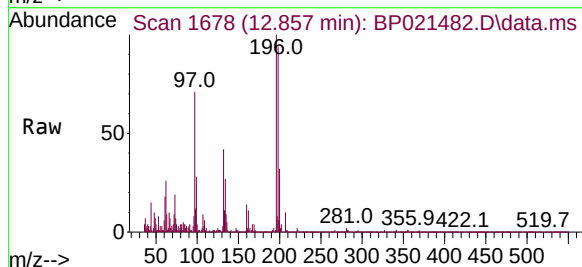
RT: 12.857 min Scan# 1678

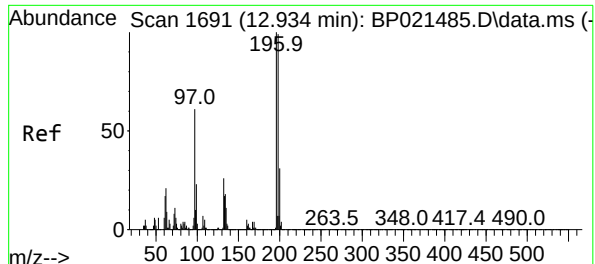
Delta R.T. -0.012 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

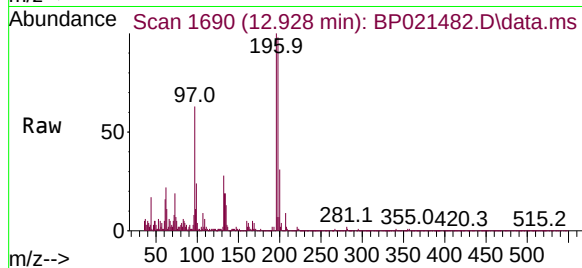
Tgt Ion:	196	Resp:	60845
Ion Ratio	Lower	Upper	
196	100		
198	94.2	76.6	114.8
200	32.3	24.5	36.7





#44
2,4,5-Trichlorophenol
Concen: 3.926 ng
RT: 12.928 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

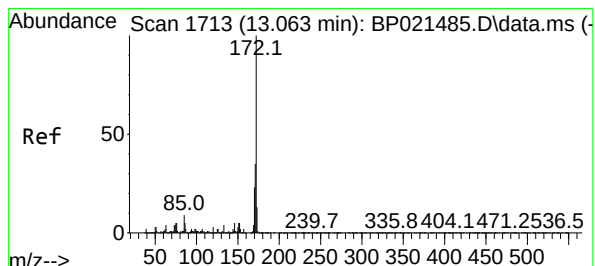
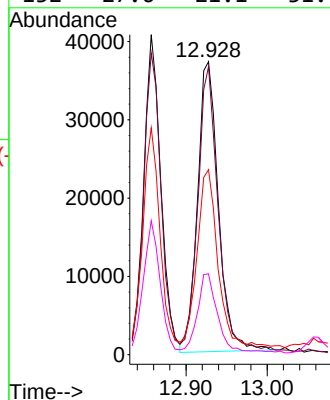
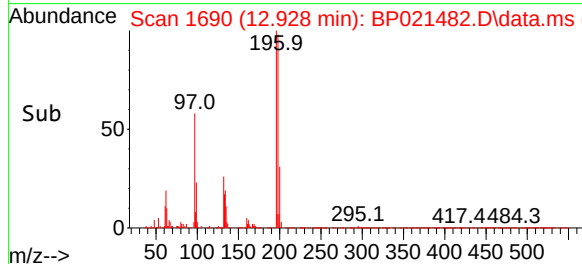
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



Tgt Ion:196 Resp: 66300
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

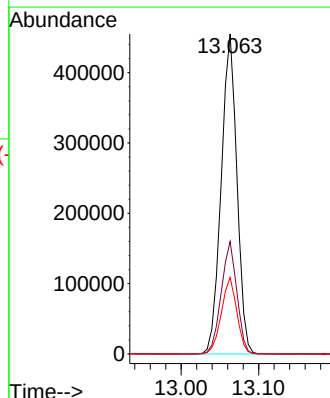
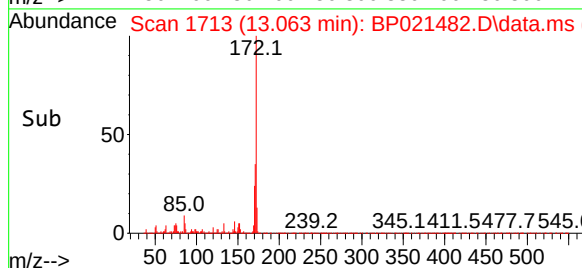
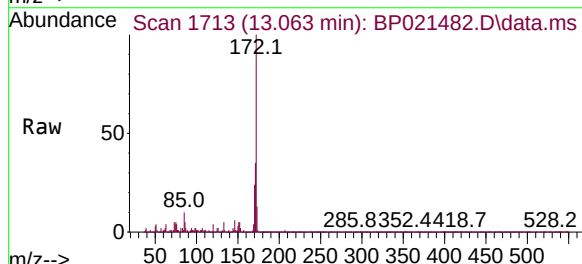
Manual Integrations
APPROVED

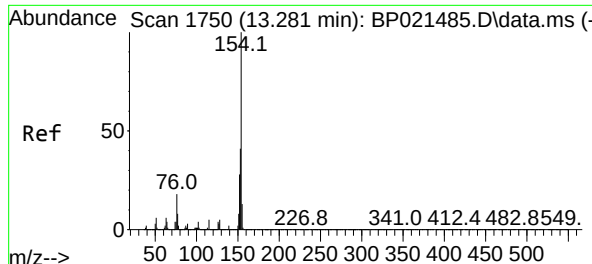
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

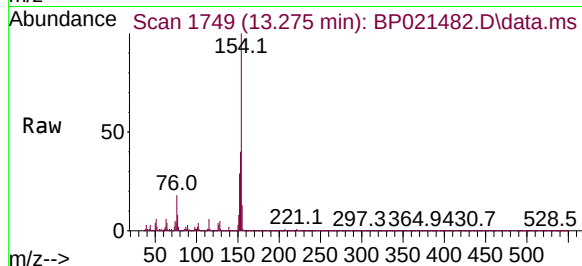
Tgt Ion:172 Resp: 640316
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.4
170 23.9 18.4 27.6





#46
1,1'-Biphenyl
Concen: 5.168 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

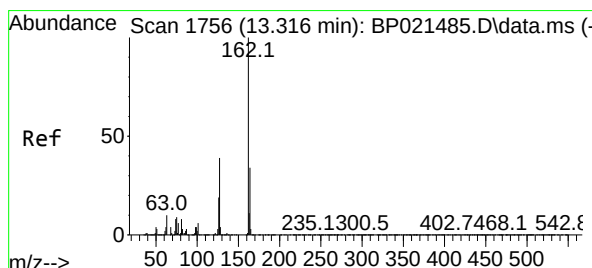
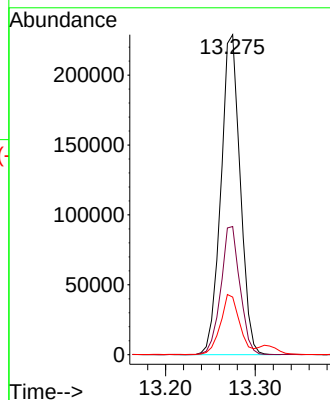
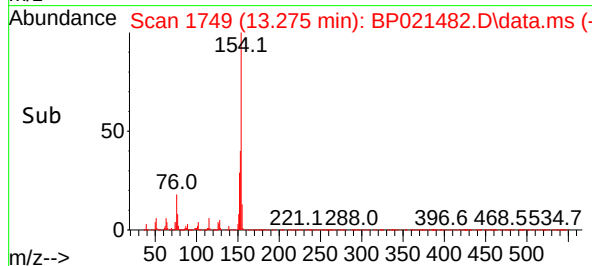
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



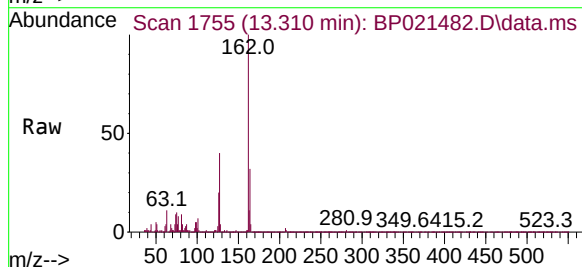
Tgt Ion:154 Resp: 341430
Ion Ratio Lower Upper
154 100
153 40.1 20.7 60.7
76 18.0 0.0 37.7

Manual Integrations
APPROVED

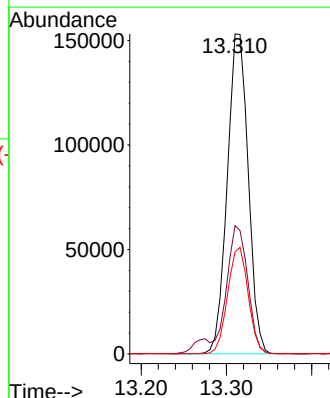
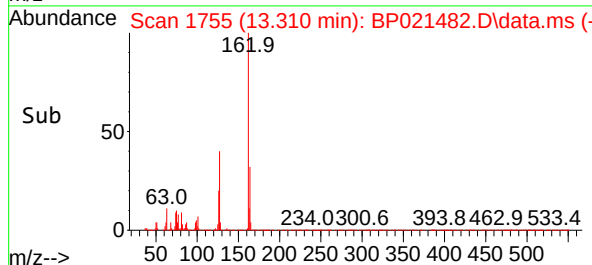
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

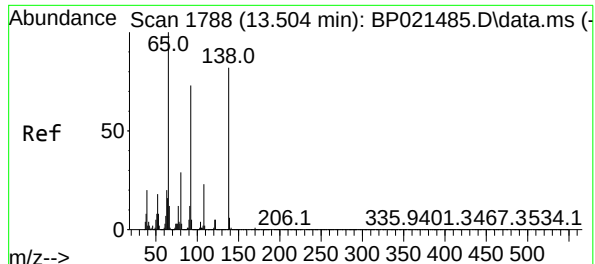


#47
2-Chloronaphthalene
Concen: 5.089 ng
RT: 13.310 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15



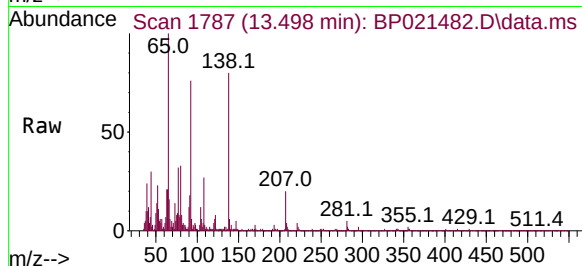
Tgt Ion:162 Resp: 261761
Ion Ratio Lower Upper
162 100
127 40.1 31.9 47.9
164 31.9 26.8 40.2





#48
2-Nitroaniline
Concen: 7.264 ng
RT: 13.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

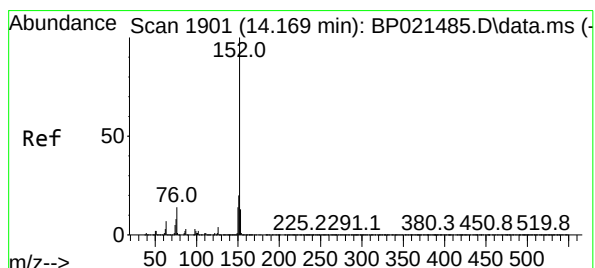
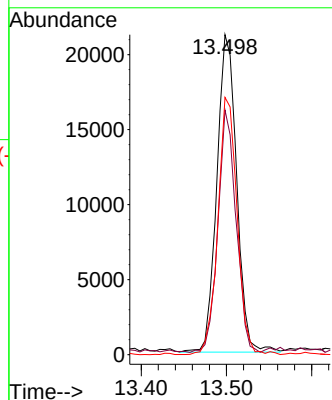
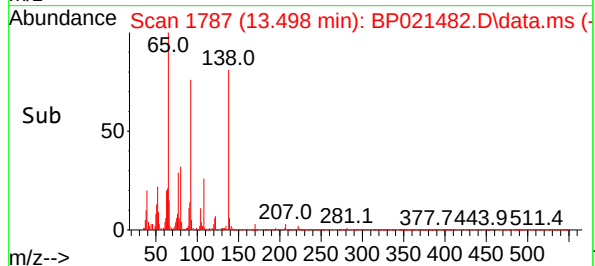
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



Tgt Ion: 65 Resp: 34180
Ion Ratio Lower Upper
65 100
92 76.5 58.1 87.1
138 80.4 65.5 98.3

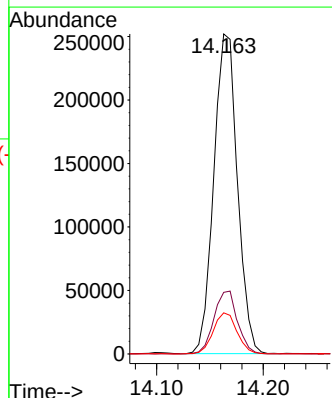
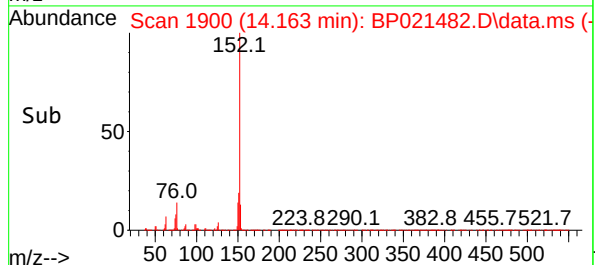
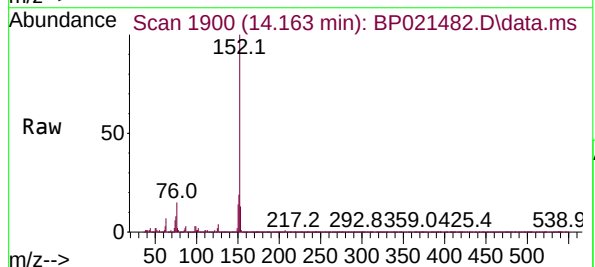
Manual Integrations
APPROVED

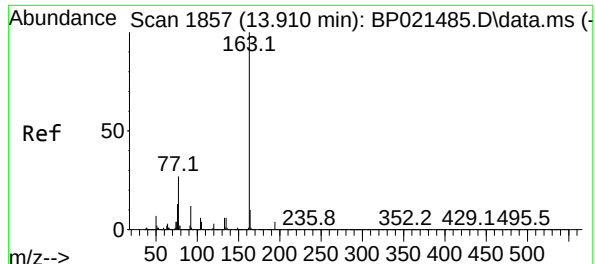
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1855
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

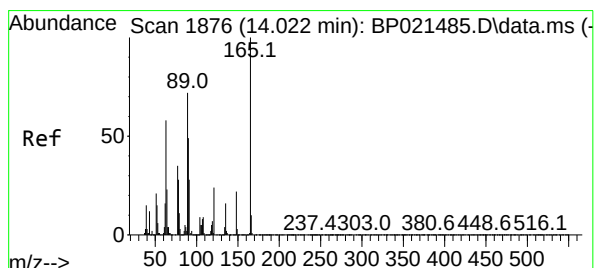
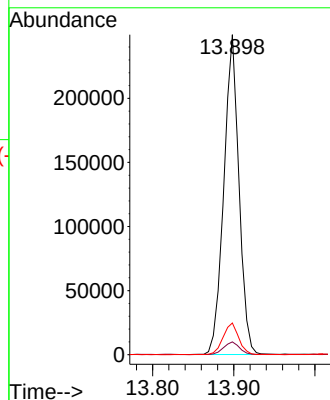
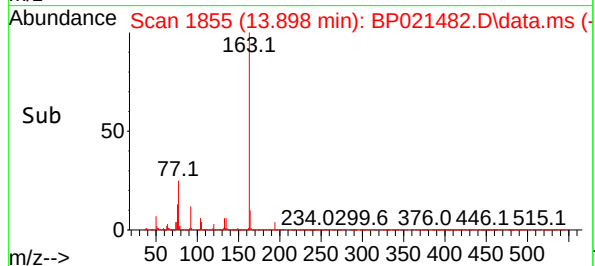
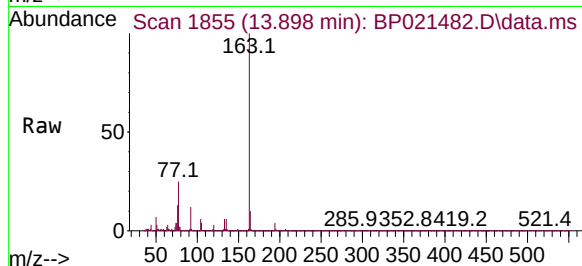
ClientSampleId :

SSTDIC005

Tgt Ion:163 Resp: 323804
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 9.9 8.3 12.5

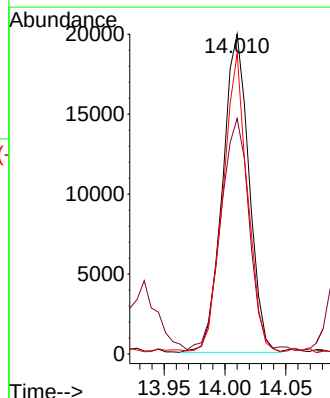
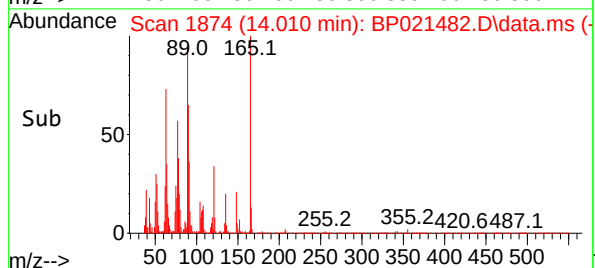
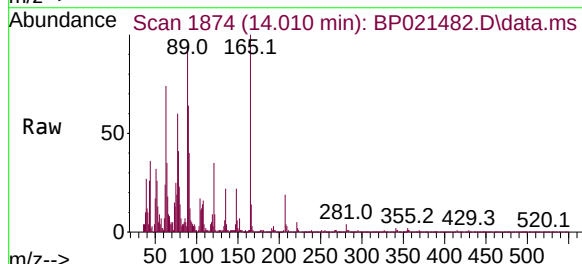
Manual Integrations
APPROVED

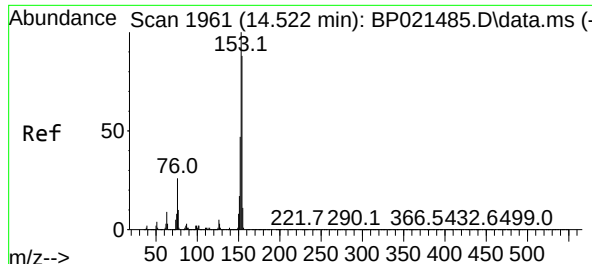
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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#





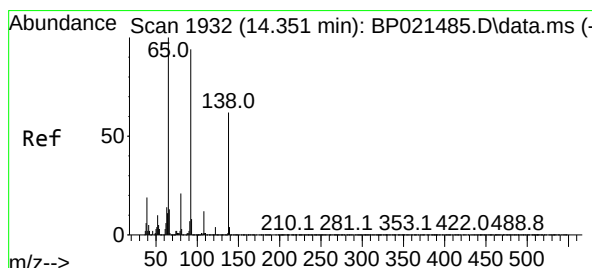
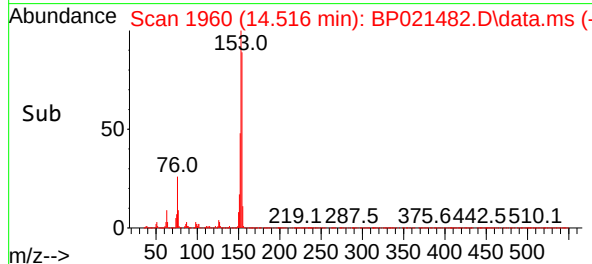
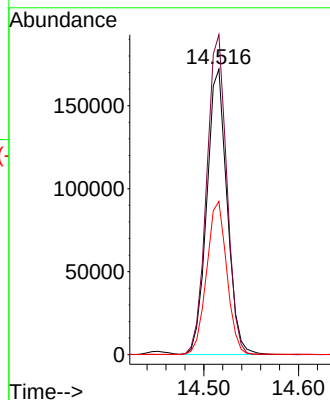
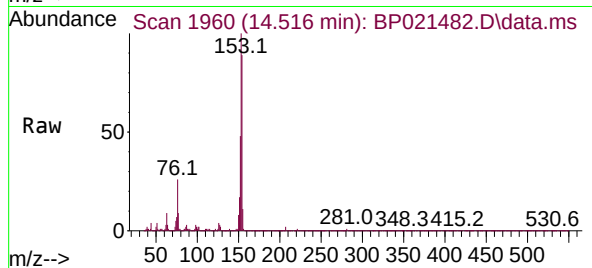
#52
Acenaphthene
Concen: 5.150 ng
RT: 14.516 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
Client Sample Id :
SSTDICC005

Tgt Ion:154 Resp: 255510
Ion Ratio Lower Upper
154 100
153 112.0 91.1 136.7
152 53.7 43.0 64.4

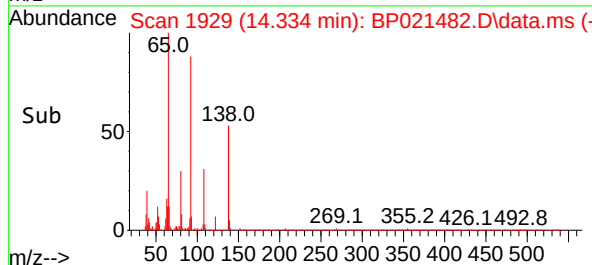
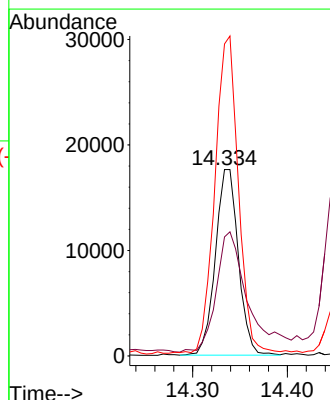
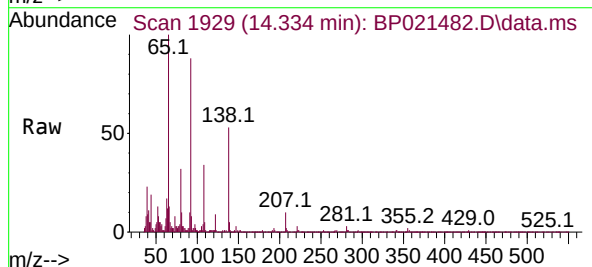
Manual Integrations
APPROVED

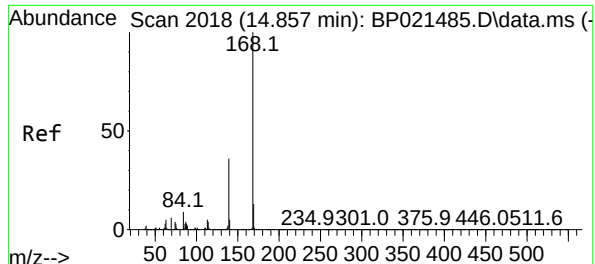
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 2018

Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

Tgt Ion:168 Resp: 40502

Ion Ratio Lower Upper

168 100

139 36.3 28.6 43.0

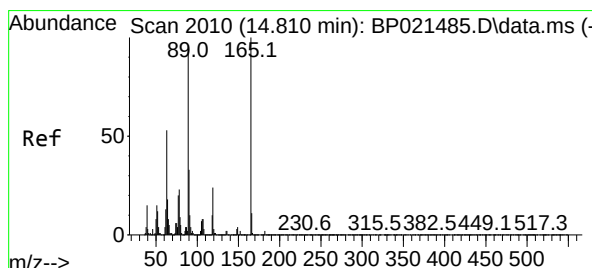
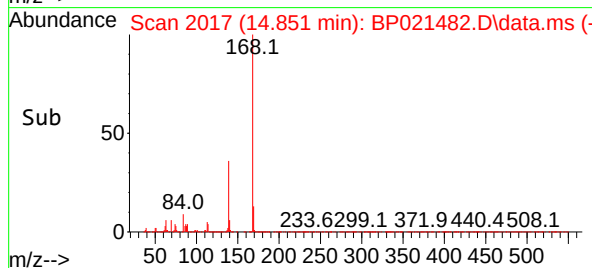
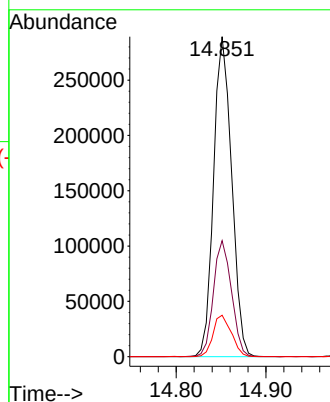
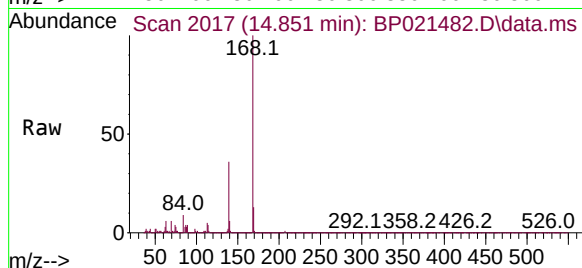
169 12.9 10.6 16.0

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

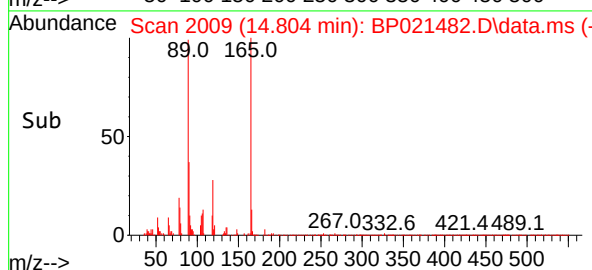
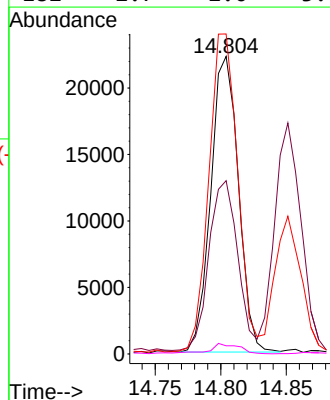
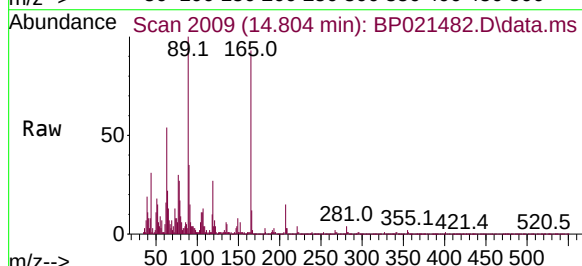
Ion Ratio Lower Upper

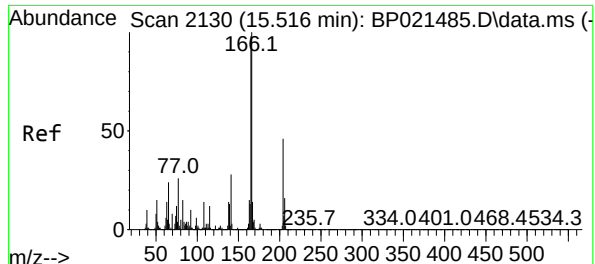
165 100

63 58.2 42.5 63.7

89 107.5 77.1 115.7

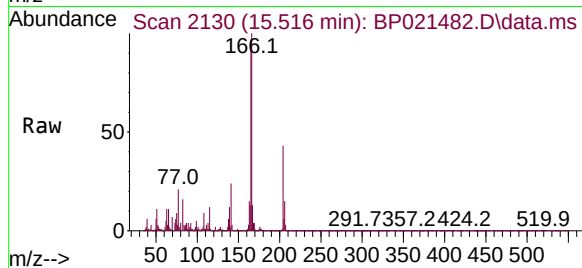
182 2.7 2.0 3.0





#58
Fluorene
Concen: 5.326 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

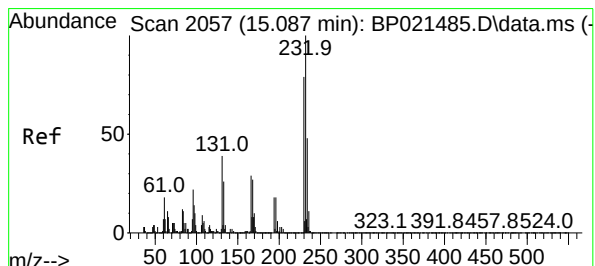
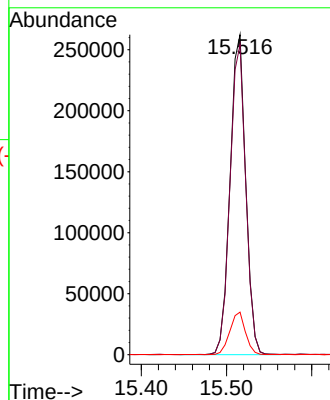
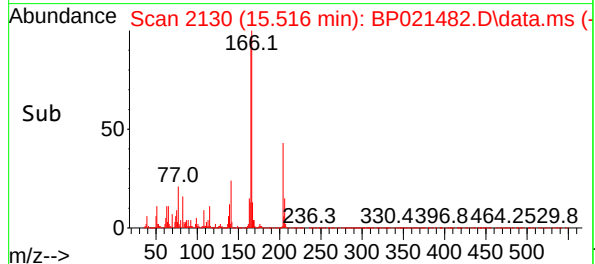
Instrument :
BNA_P
Client Sample Id :
SSTDICC005



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

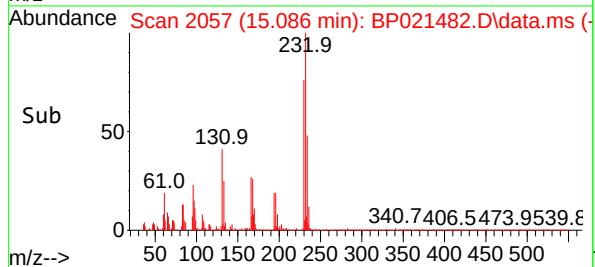
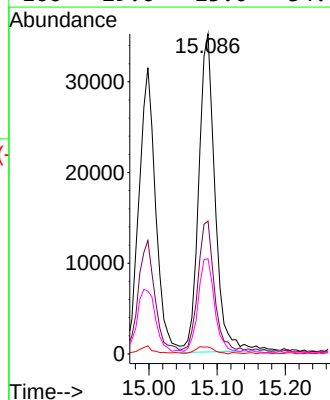
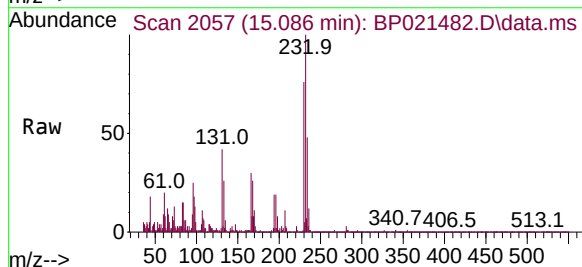
Manual Integrations
APPROVED

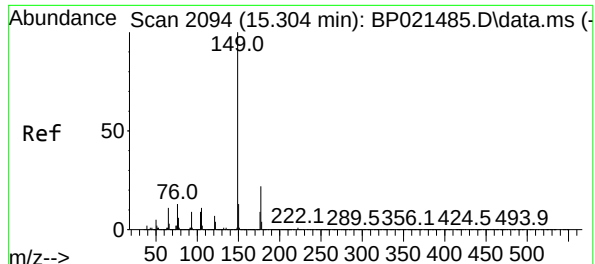
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





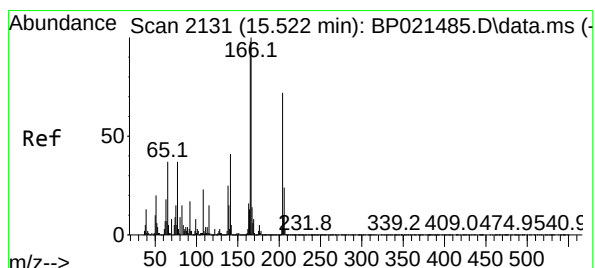
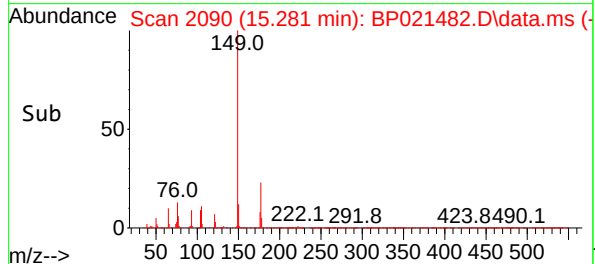
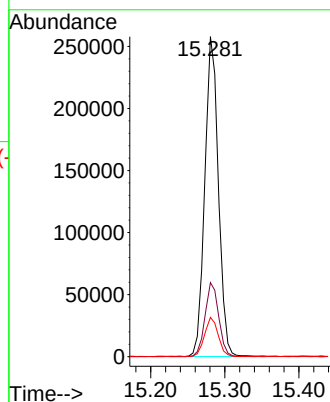
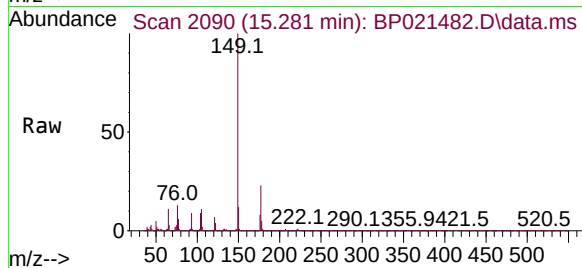
#60
Diethylphthalate
Concen: 5.113 ng
RT: 15.281 min Scan# 2094
Delta R.T. -0.024 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 328110
Ion Ratio Lower Upper
149 100
177 23.2 17.8 26.8
150 12.3 10.1 15.1

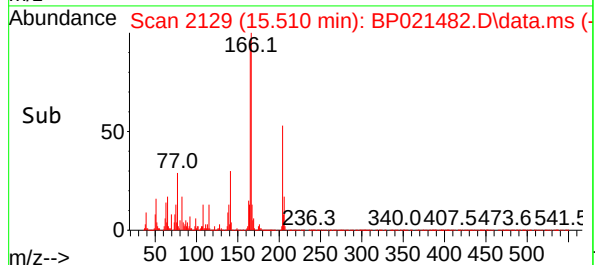
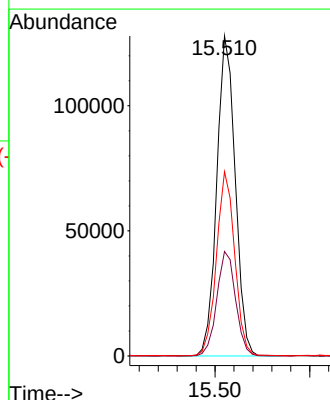
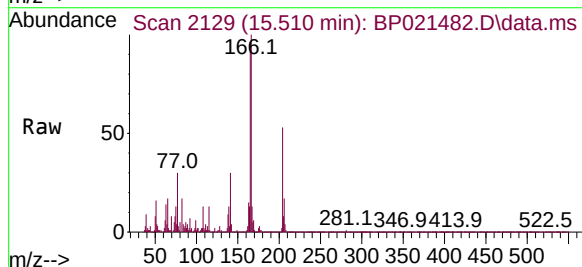
Manual Integrations
APPROVED

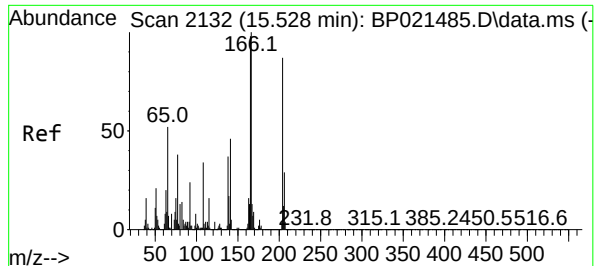
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

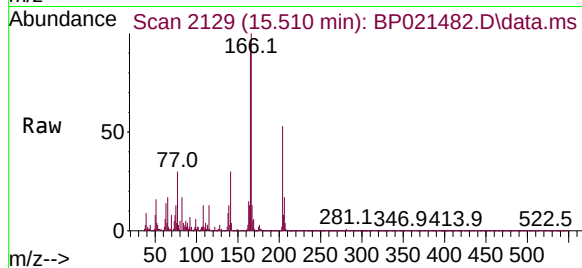
Tgt Ion:204 Resp: 173085
Ion Ratio Lower Upper
204 100
206 32.7 26.4 39.6
141 57.6 46.1 69.1





#62
4-Nitroaniline
Concen: 5.481 ng
RT: 15.510 min Scan# 2132
Delta R.T. -0.018 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

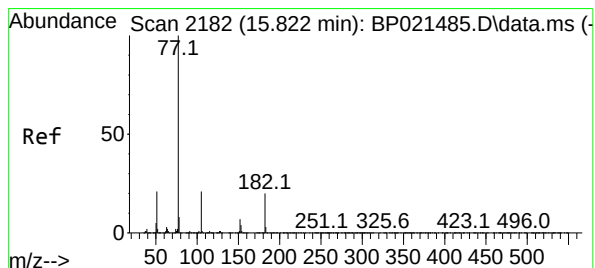
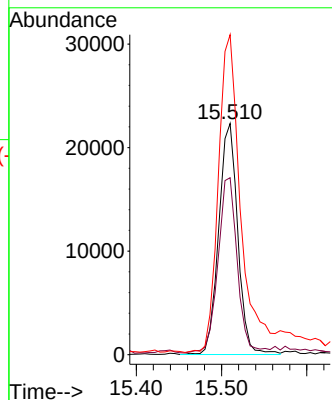
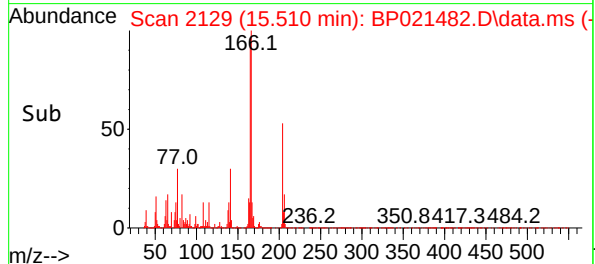
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



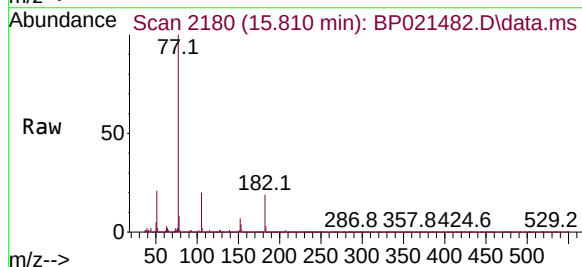
Tgt Ion:138 Resp: 34574
Ion Ratio Lower Upper
138 100
92 76.5 46.4 86.4
108 138.4 73.2 113.2

Manual Integrations
APPROVED

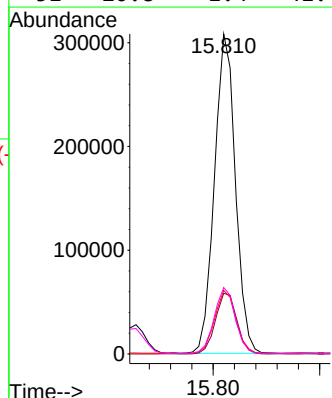
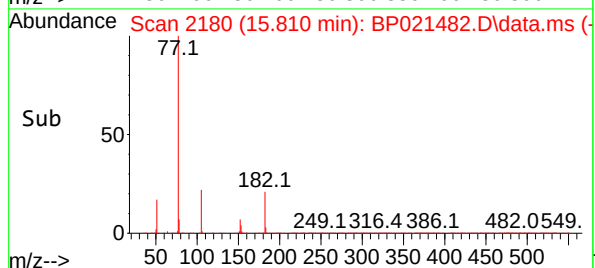
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

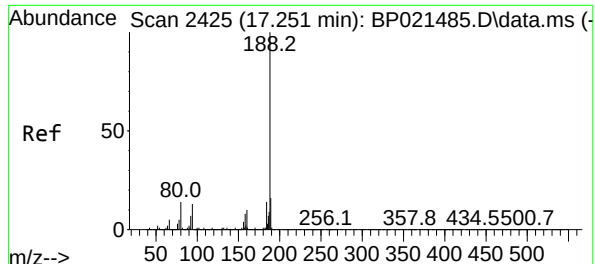


#63
Azobenzene
Concen: 5.318 ng
RT: 15.810 min Scan# 2180
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15



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





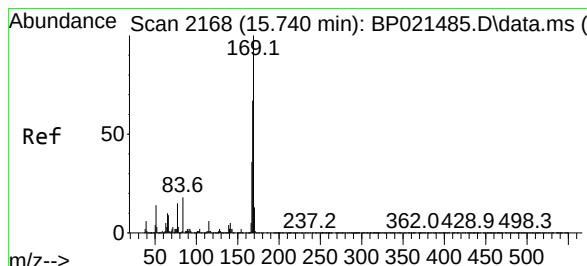
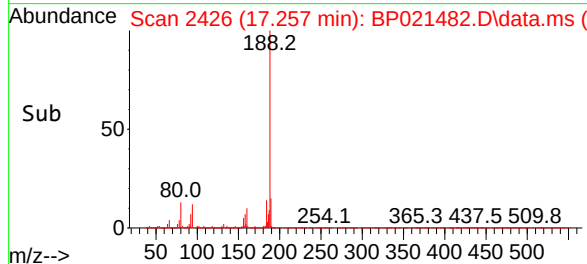
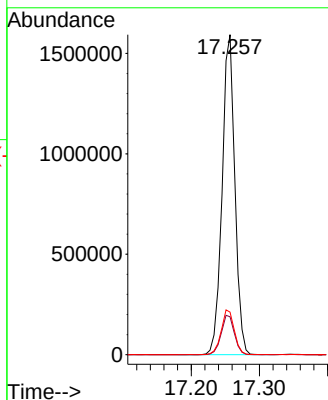
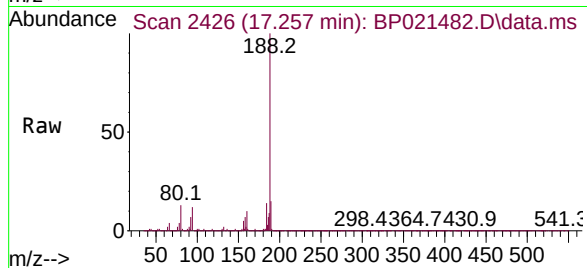
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2425
Delta R.T. 0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 2070828
Ion Ratio Lower Upper
188 100
94 11.9 10.2 15.4
80 13.3 11.6 17.4

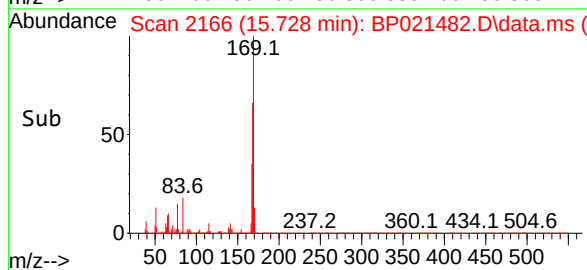
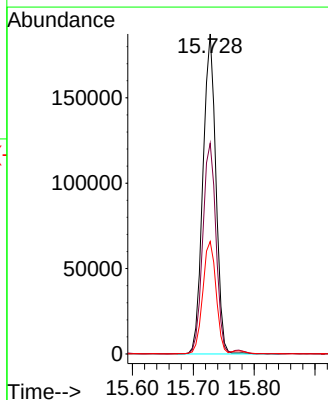
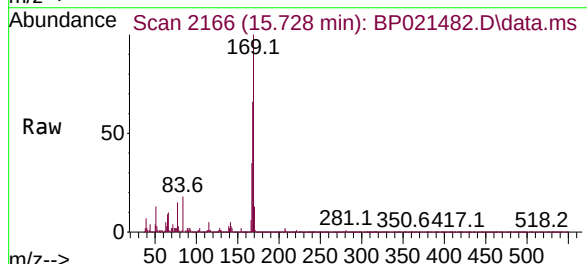
Manual Integrations
APPROVED

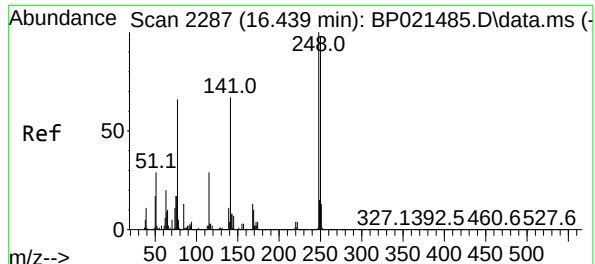
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 21

Delta R.T. -0.012 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

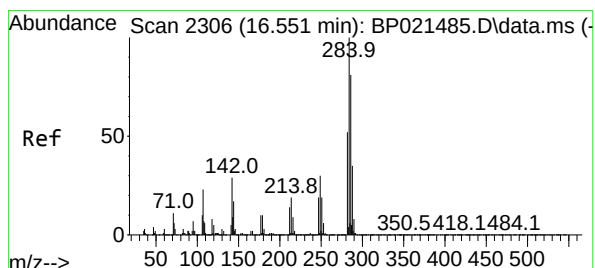
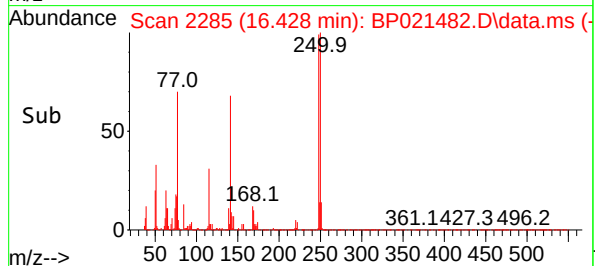
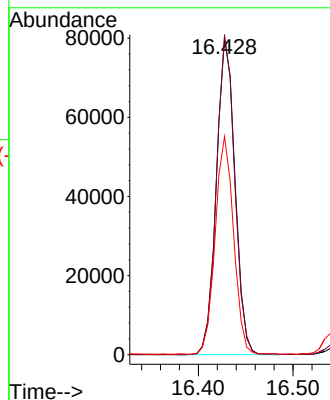
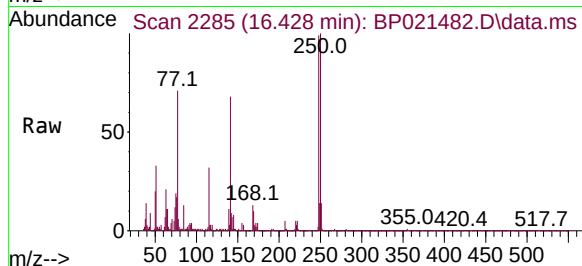
Tgt Ion:248	Resp: 109250
Ion Ratio	Lower Upper
248 100	
250 101.3	78.6 117.8
141 69.0	53.9 80.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#68

Hexachlorobenzene

Concen: 5.104 ng

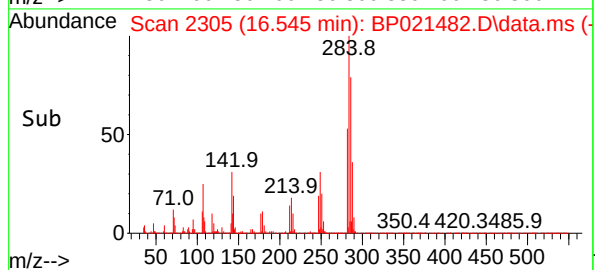
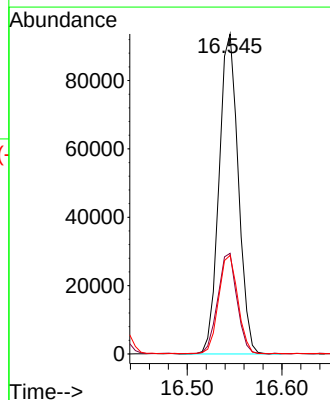
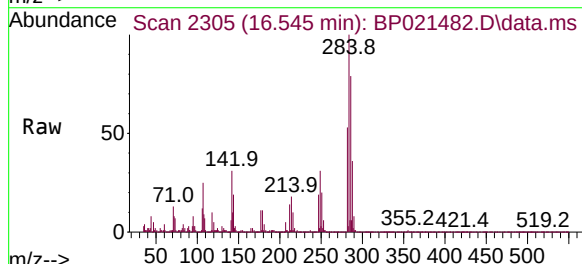
RT: 16.545 min Scan# 2305

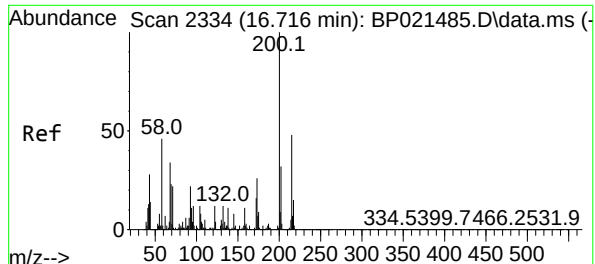
Delta R.T. -0.006 min

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# 21

Delta R.T. -0.024 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

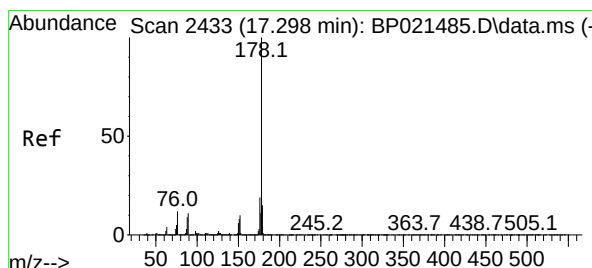
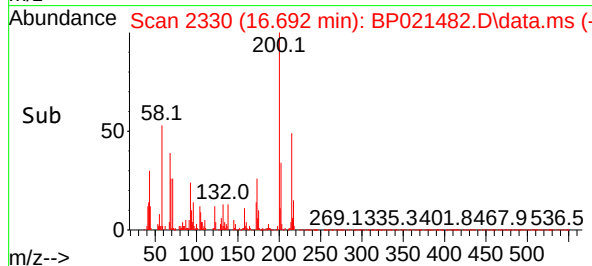
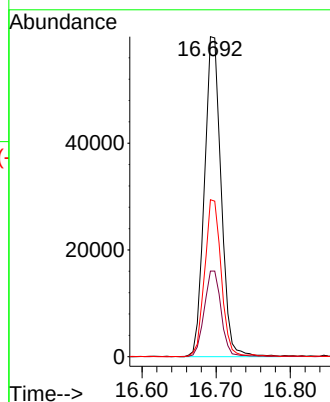
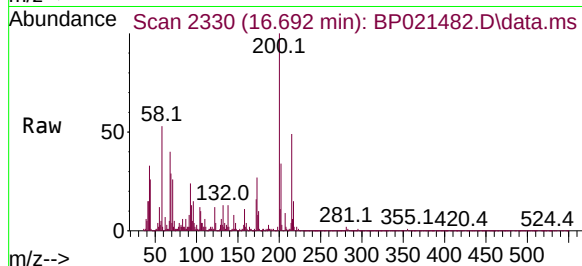
ClientSampleId :

SSTDICC005

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

Manual Integrations
APPROVED

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



#71

Phenanthrene

Concen: 5.149 ng

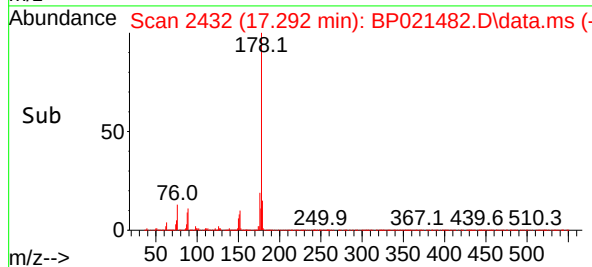
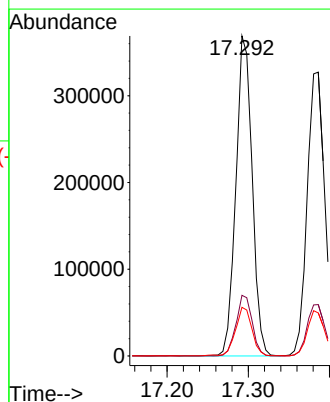
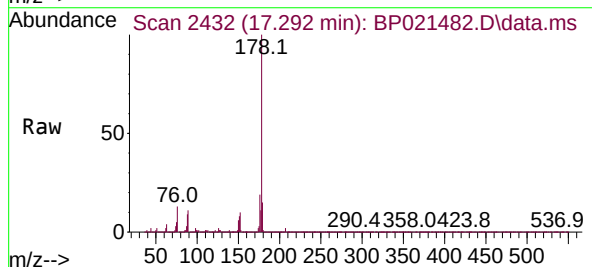
RT: 17.292 min Scan# 2432

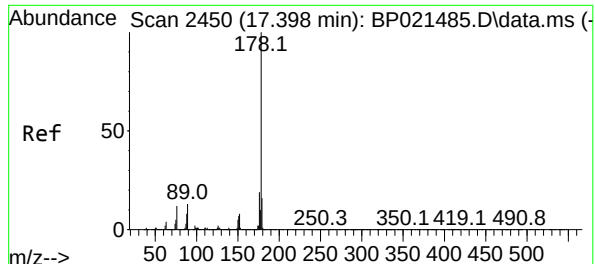
Delta R.T. -0.006 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

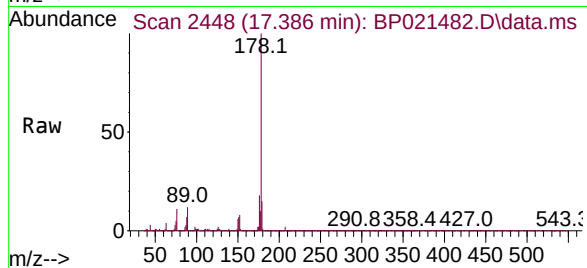
Tgt Ion:	178	Resp:	512757
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.4	23.2
179	15.2	12.4	18.6





#72
Anthracene
Concen: 5.058 ng
RT: 17.386 min Scan# 2448
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

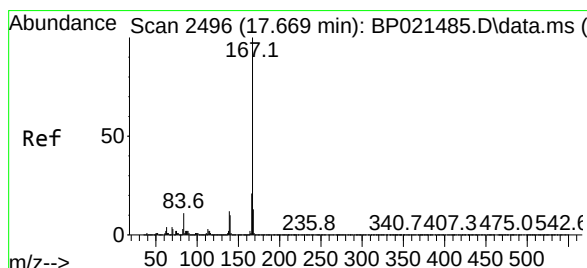
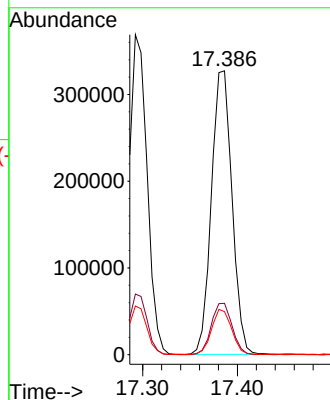
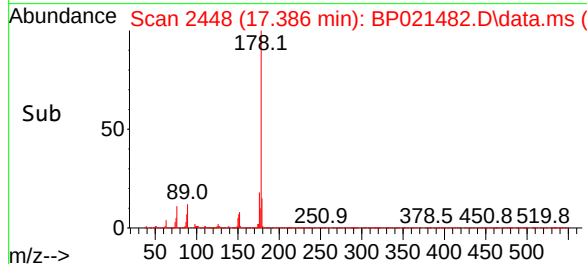
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



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

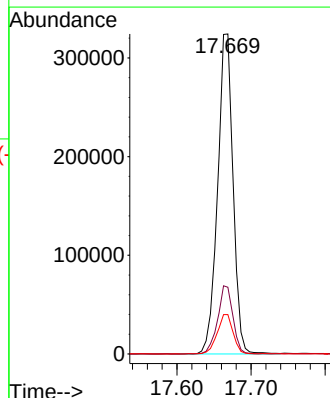
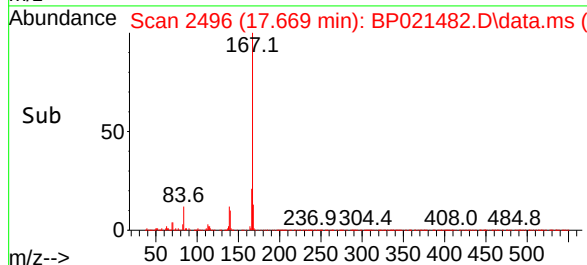
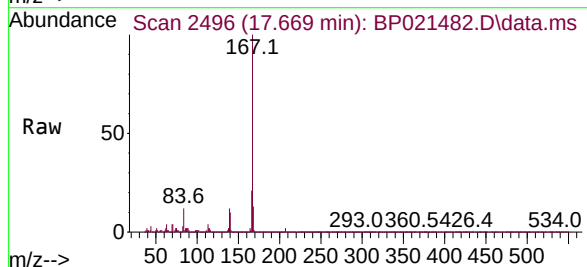
Manual Integrations
APPROVED

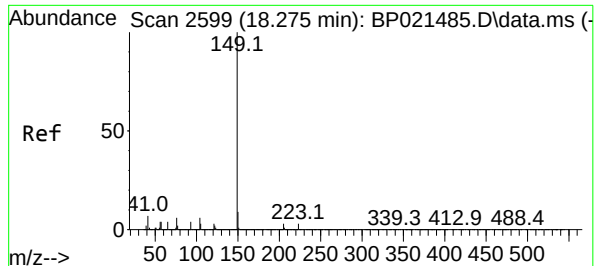
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

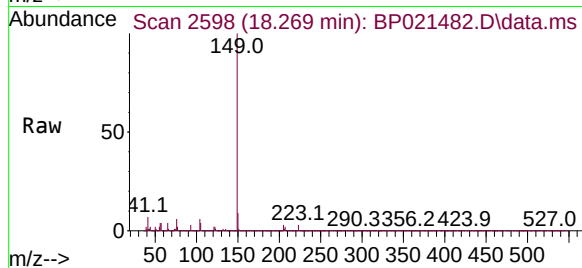
Tgt Ion:167 Resp: 470253
Ion Ratio Lower Upper
167 100
166 20.9 17.0 25.4
139 12.3 9.9 14.9





#74
Di-n-butylphthalate
Concen: 4.697 ng
RT: 18.269 min Scan# 2599
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

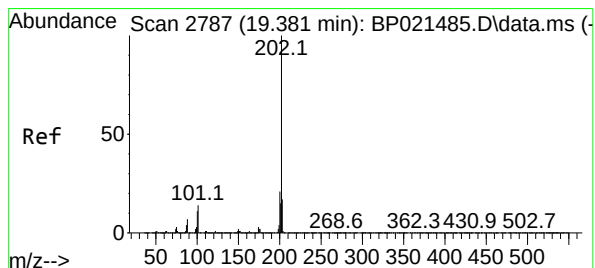
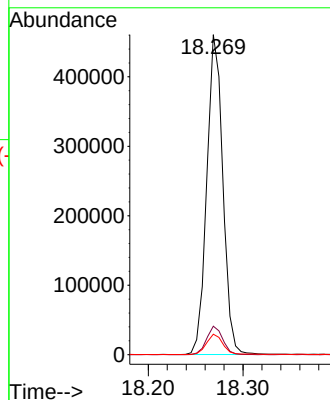
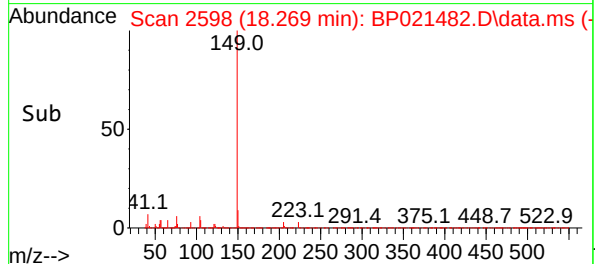
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



Tgt Ion:149 Resp: 542975
Ion Ratio Lower Upper
149 100
150 8.9 7.5 11.3
104 6.4 4.9 7.3

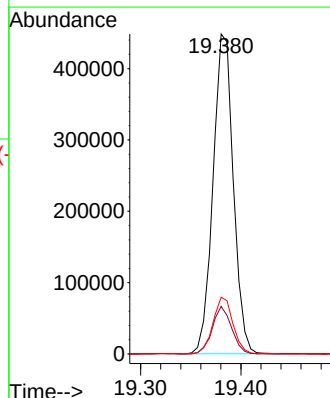
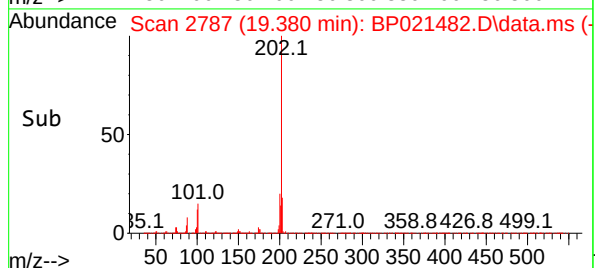
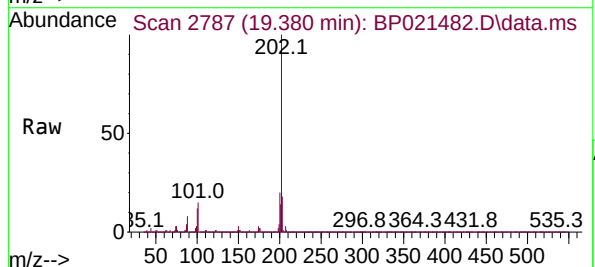
Manual Integrations
APPROVED

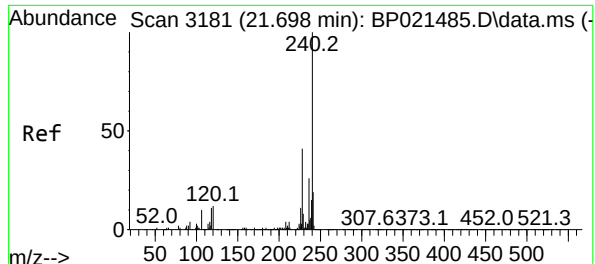
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 3181

Delta R.T. -0.000 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

Tgt Ion:240 Resp: 204039

Ion Ratio Lower Upper

240 100

120 12.0 9.9 14.9

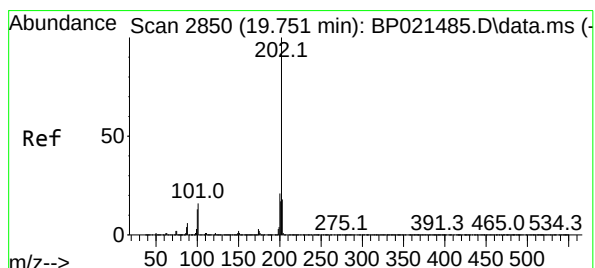
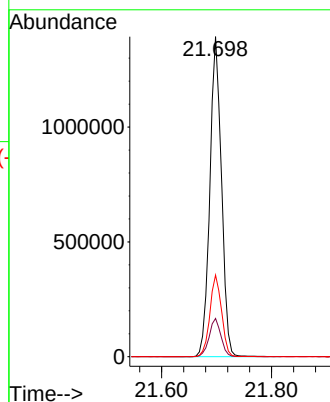
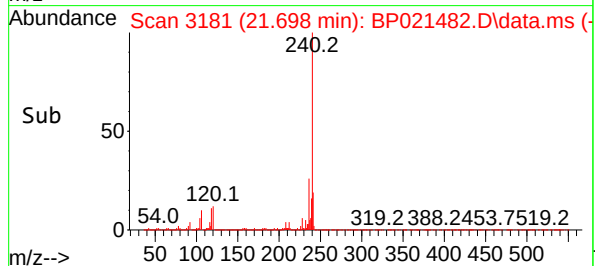
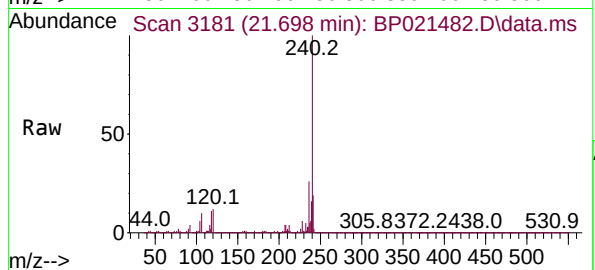
236 25.5 20.6 30.8

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

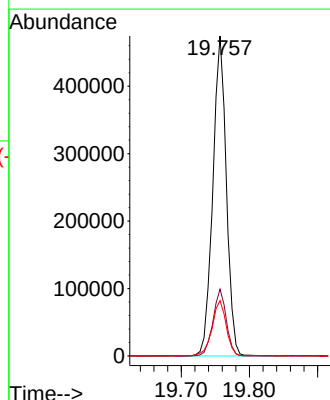
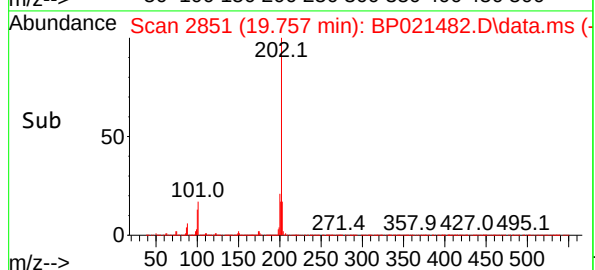
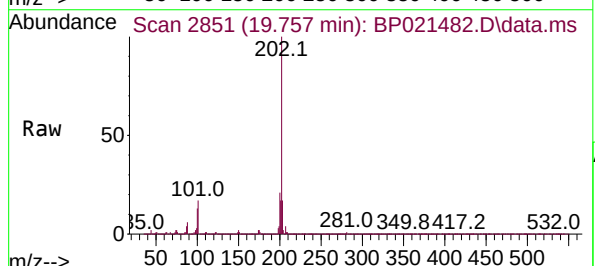
Tgt Ion:202 Resp: 654333

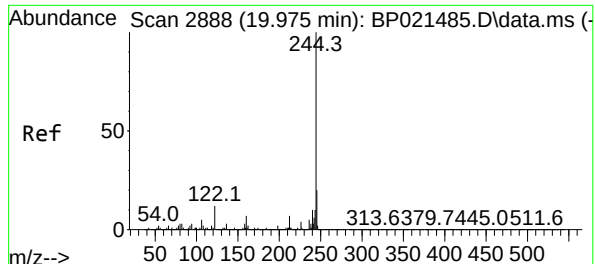
Ion Ratio Lower Upper

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# 2889
 Delta R.T. 0.005 min
 Lab File: BP021482.D
 Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

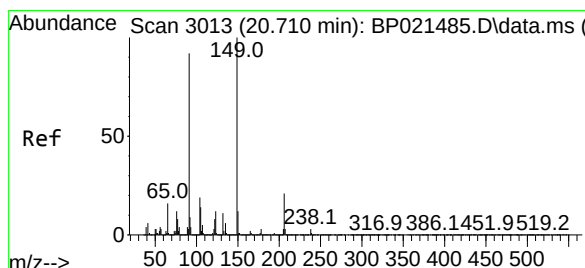
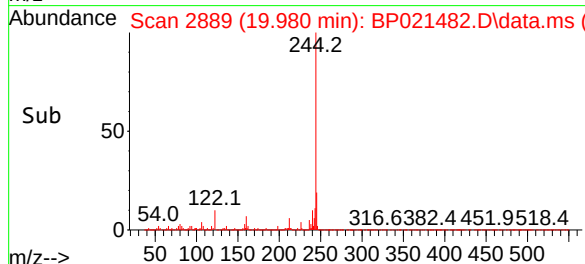
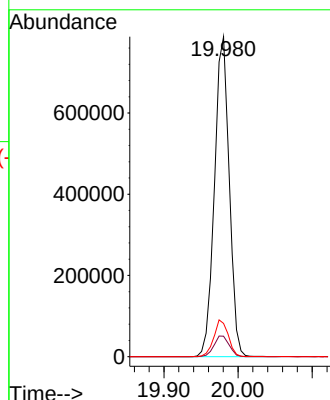
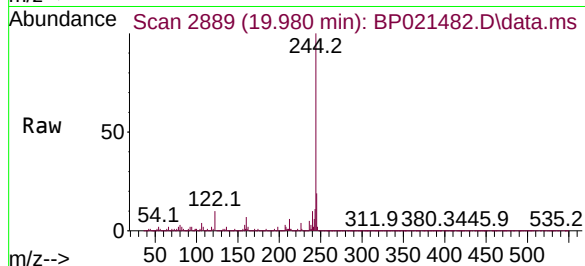
ClientSampleId :

SSTDICC005

Tgt Ion:244 Resp: 1090110
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.4 9.4 14.2

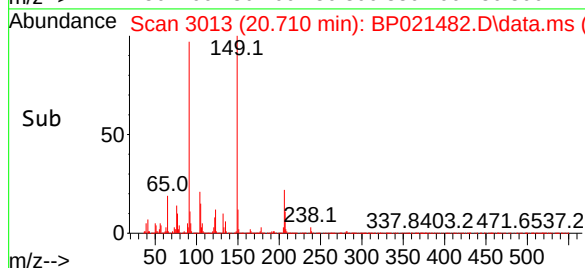
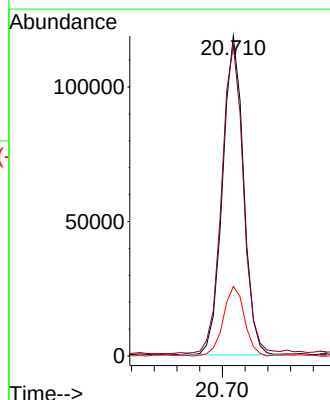
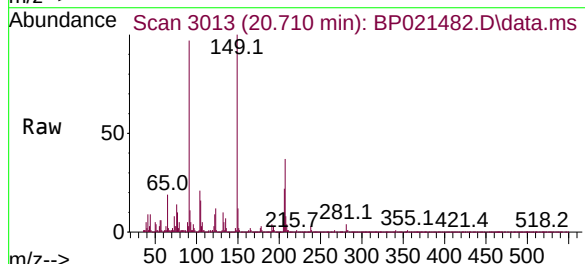
Manual Integrations
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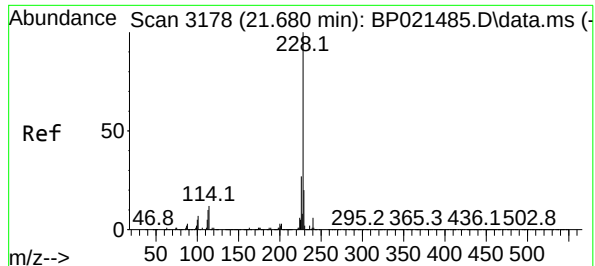
Reviewed By :Yogesh Patel 08/14/2024
 Supervised By :mohammad ahmed 08/14/2024



#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





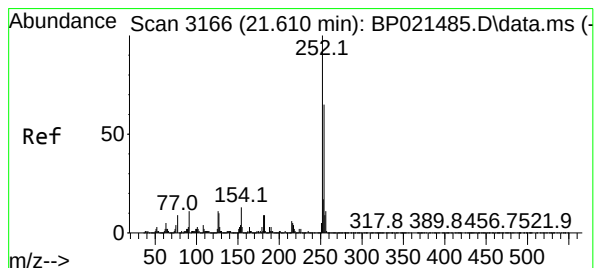
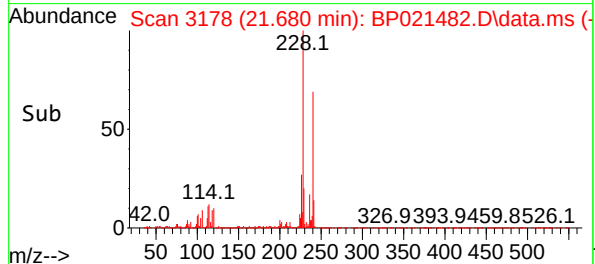
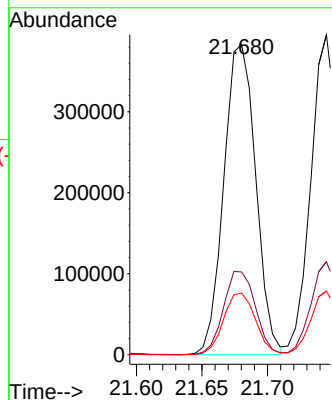
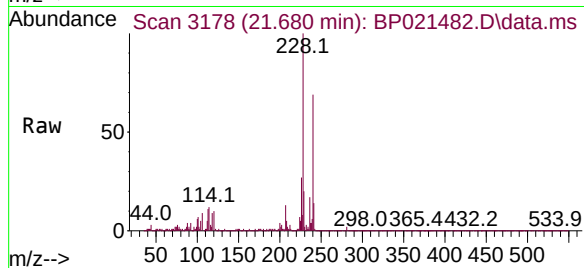
#81
Benzo(a)anthracene
Concen: 5.063 ng
RT: 21.680 min Scan# 3178
Delta R.T. -0.000 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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

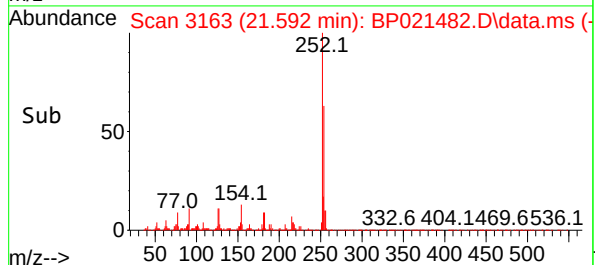
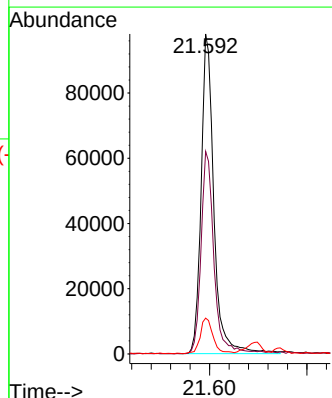
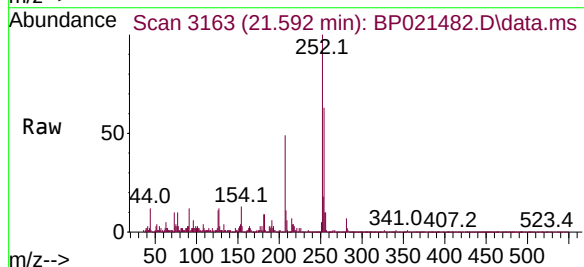
Manual Integrations
APPROVED

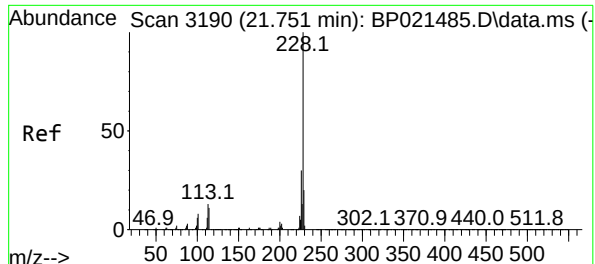
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





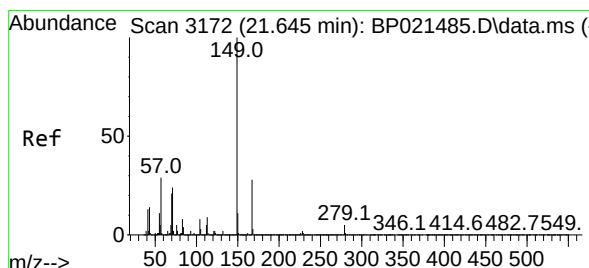
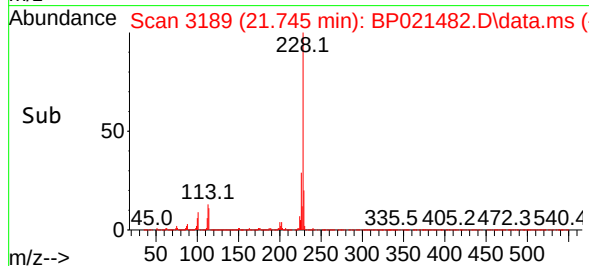
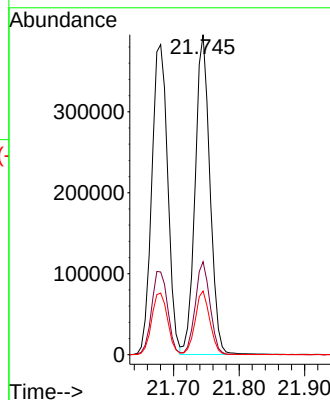
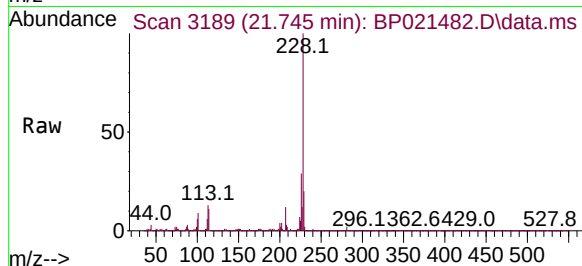
#83
Chrysene
Concen: 5.115 ng
RT: 21.745 min Scan# 3190
Delta R.T. -0.006 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

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

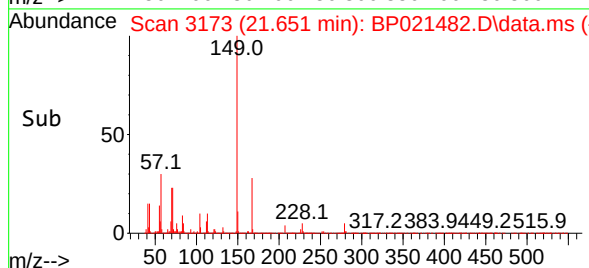
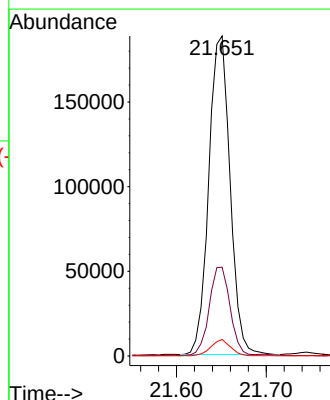
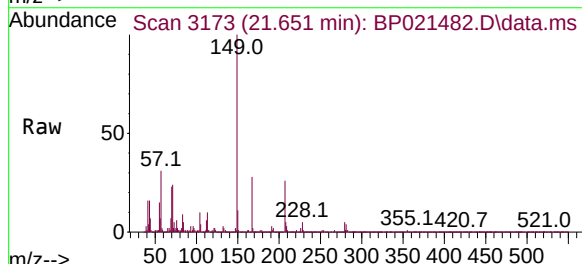
Manual Integrations
APPROVED

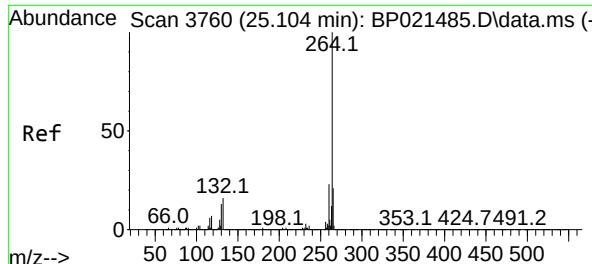
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 31

Delta R.T. 0.012 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

ClientSampleId :

SSTDICC005

Tgt Ion:264 Resp: 229953

Ion Ratio Lower Upper

264 100

260 23.9 18.6 28.0

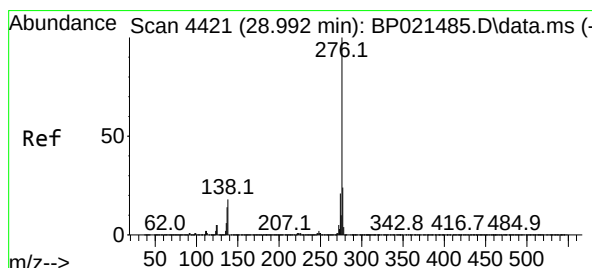
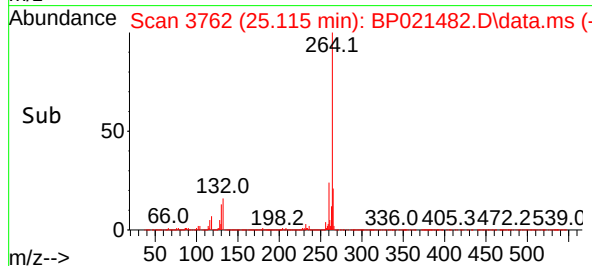
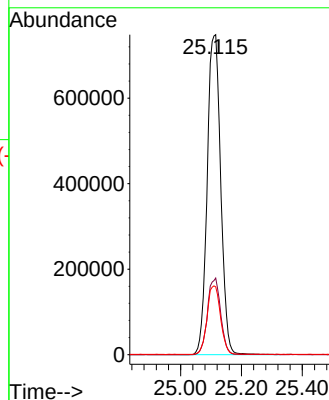
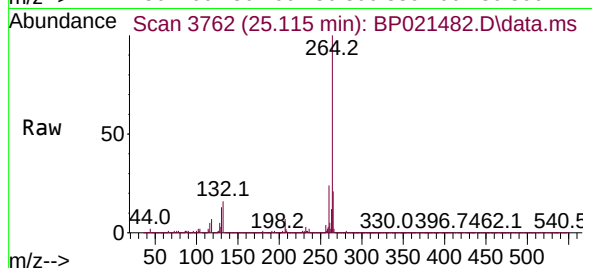
265 21.2 17.1 25.7

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

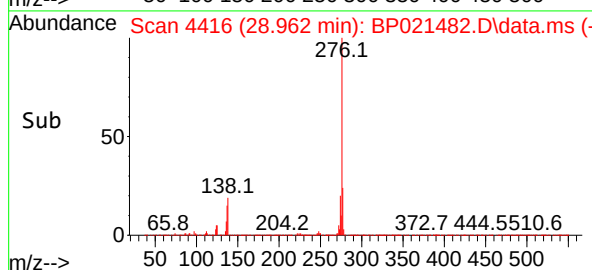
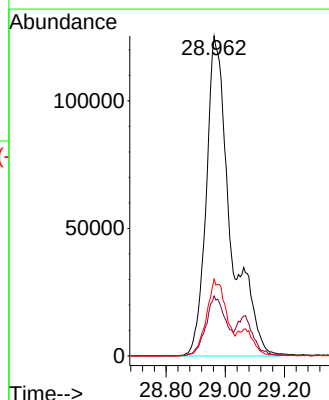
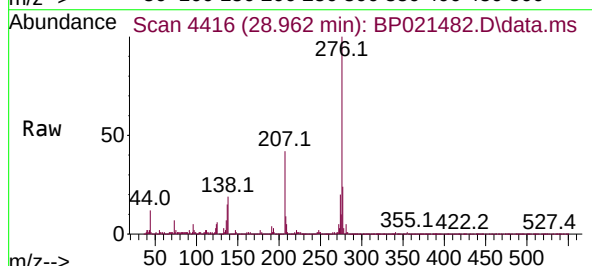
Tgt Ion:276 Resp: 715393

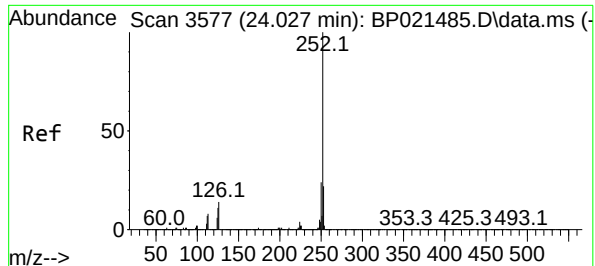
Ion Ratio Lower Upper

276 100

138 15.3 12.8 19.2

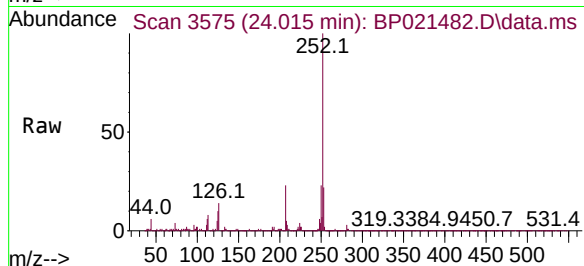
277 19.6 16.5 24.7





#88
Benzo(b)fluoranthene
Concen: 4.816 ng
RT: 24.015 min Scan# 3575
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

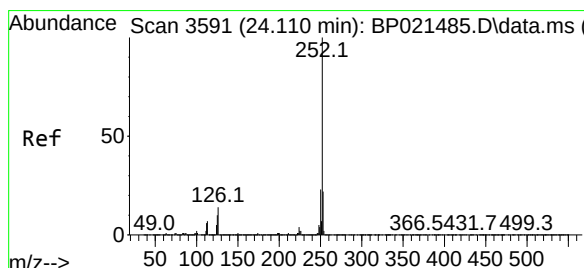
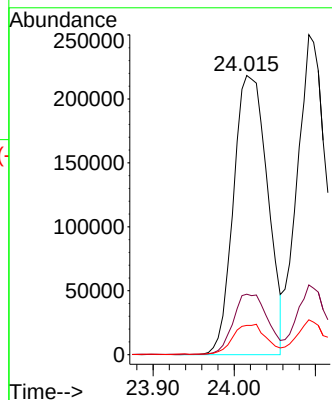
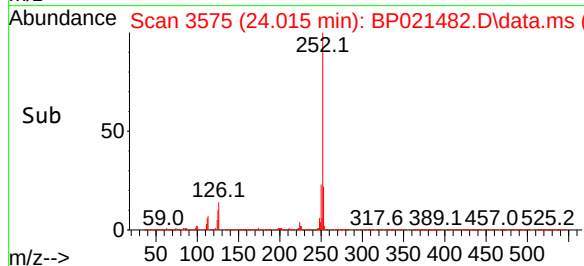
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



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

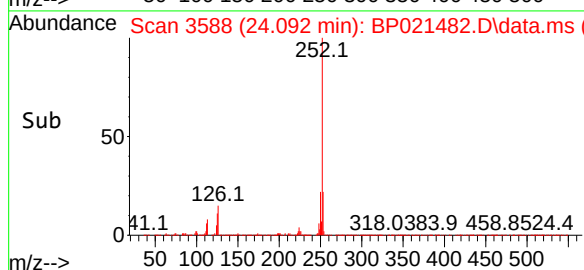
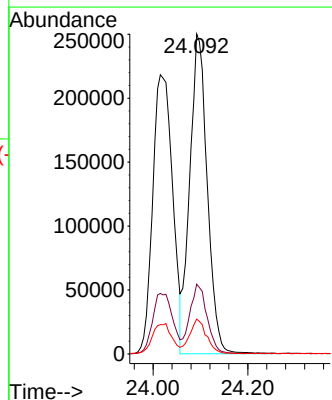
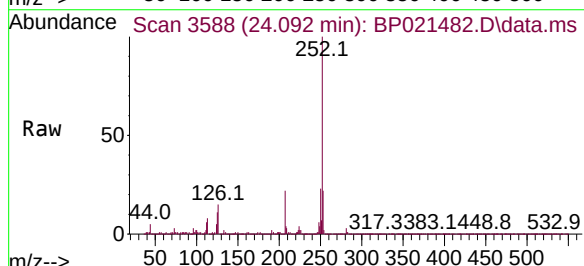
Manual Integrations
APPROVED

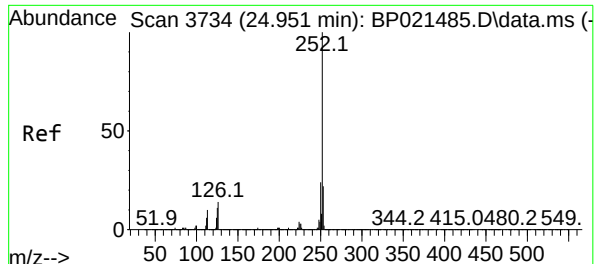
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 31

Delta R.T. -0.012 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

Instrument :

BNA_P

ClientSampleId :

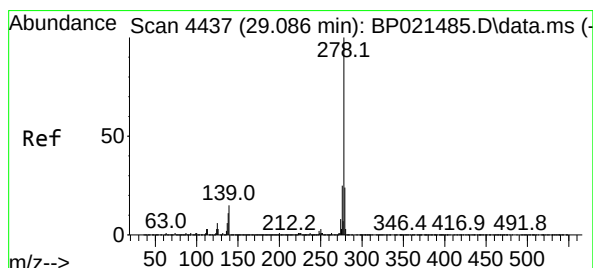
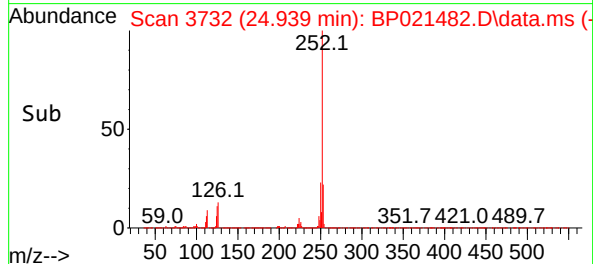
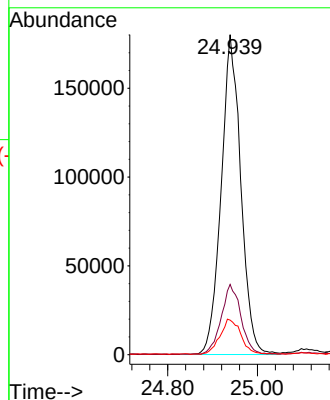
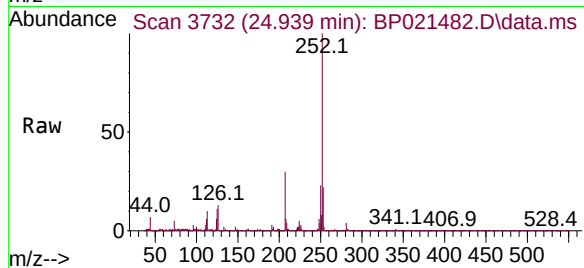
SSTDICC005

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

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

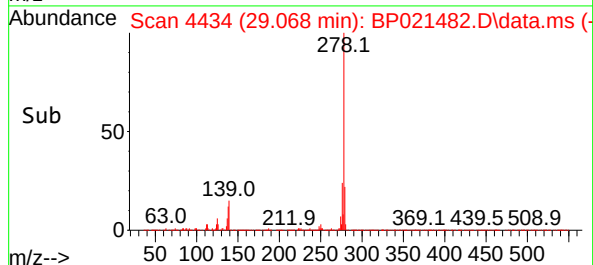
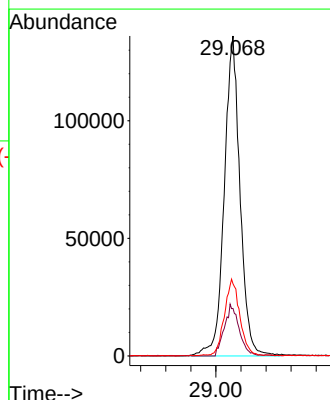
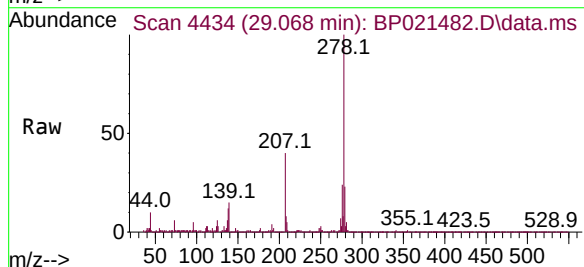
RT: 29.068 min Scan# 4434

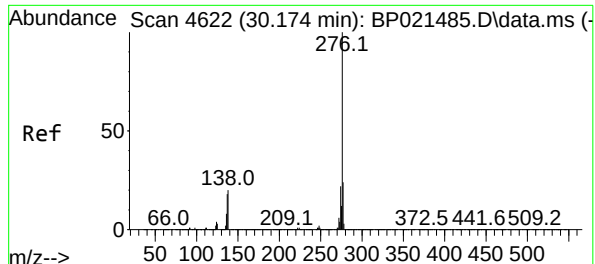
Delta R.T. -0.018 min

Lab File: BP021482.D

Acq: 13 Aug 2024 13:15

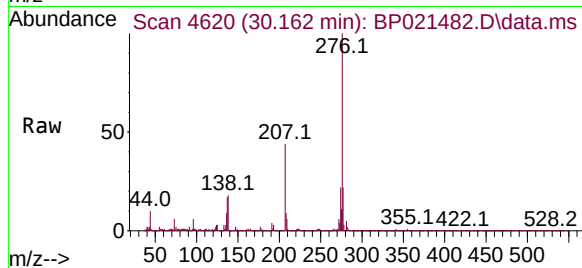
Tgt Ion	278	139	279
Ratio	100	14.9	22.6
Lower		12.2	19.1
Upper		18.4	28.7





#92
Benzo(g,h,i)perylene
Concen: 4.872 ng
RT: 30.162 min Scan# 40
Delta R.T. -0.012 min
Lab File: BP021482.D
Acq: 13 Aug 2024 13:15

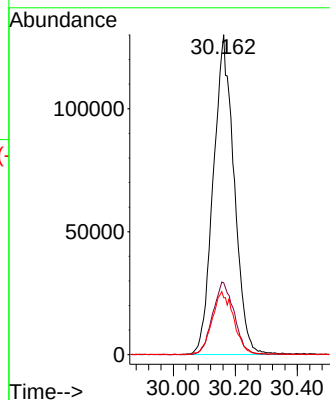
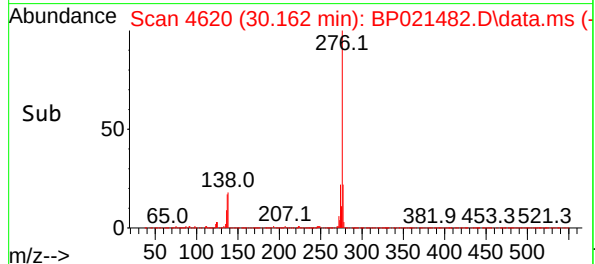
Instrument :
BNA_P
ClientSampleId :
SSTDICC005



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

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

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)

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

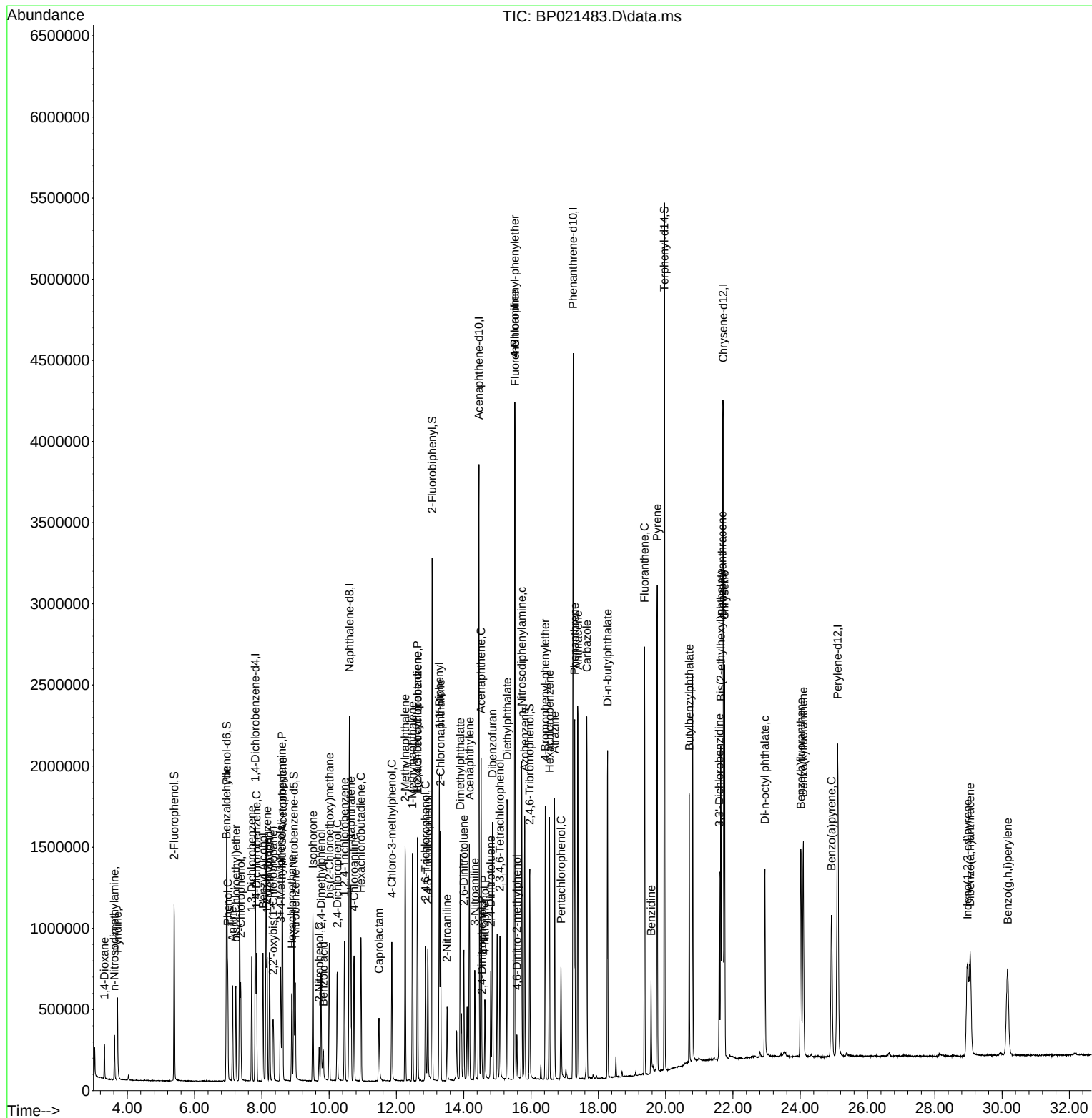
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP081324\
Data File : BP021483.D
Acq On : 13 Aug 2024 13:59
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

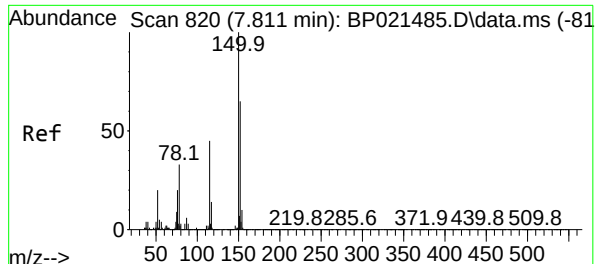
Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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





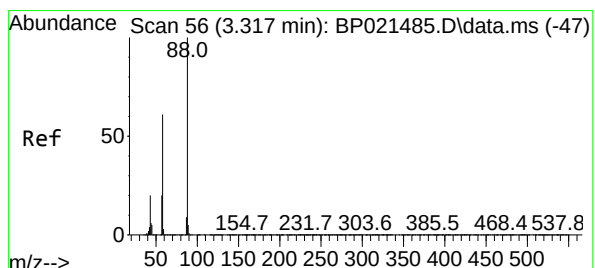
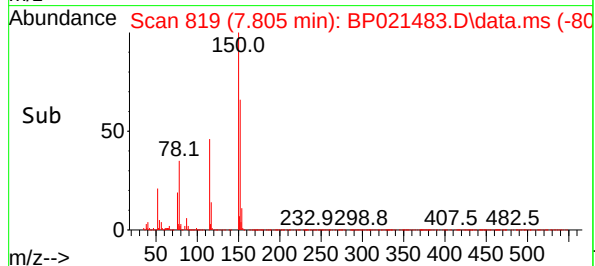
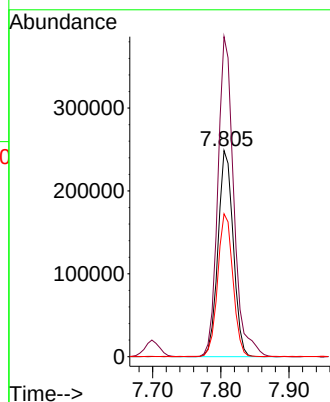
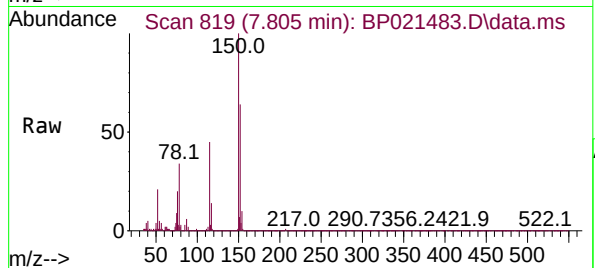
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 152 Resp: 385438
Ion Ratio Lower Upper
152 100
150 155.2 122.4 183.6
115 69.3 54.7 82.1

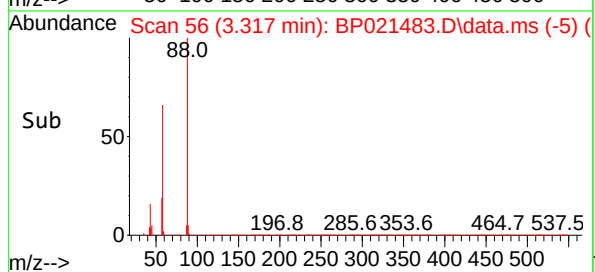
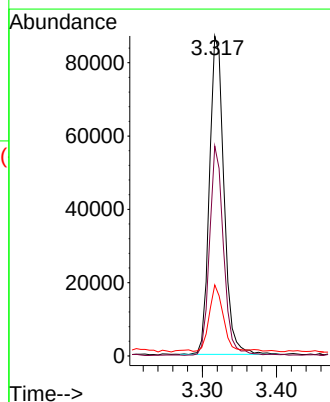
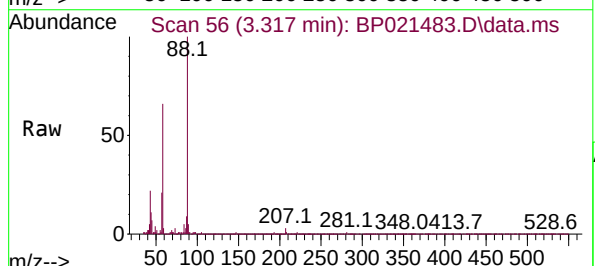
Manual Integrations
APPROVED

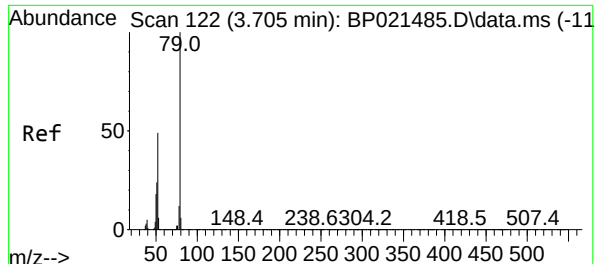
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 11

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 331408

Ion Ratio Lower Upper

79 100

52 50.4 39.0 58.6

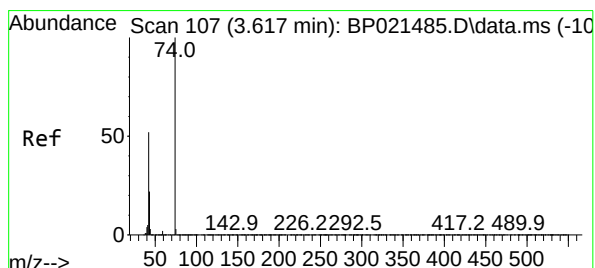
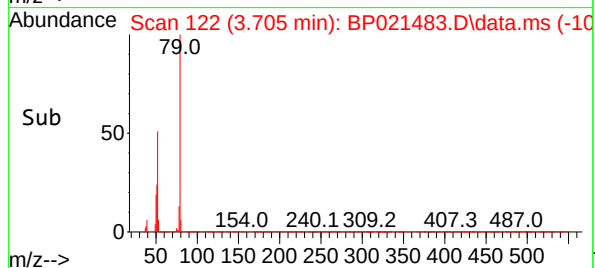
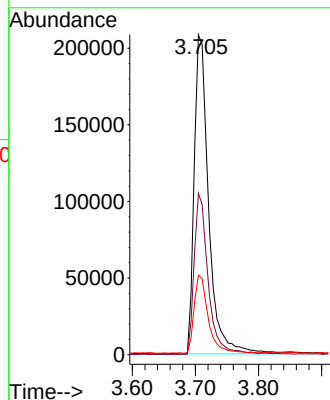
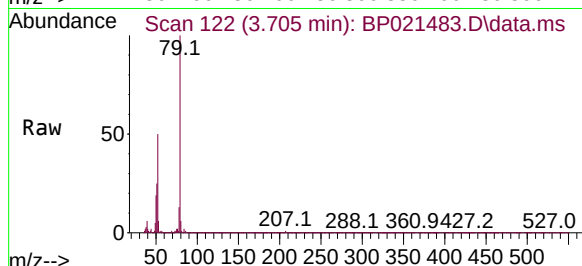
51 24.9 19.2 28.8

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

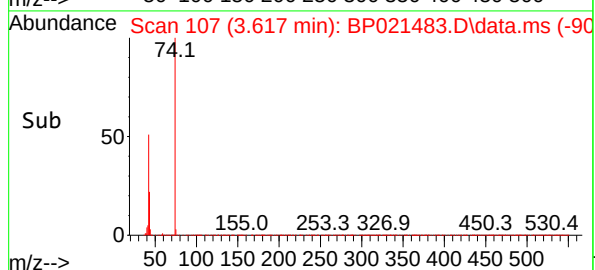
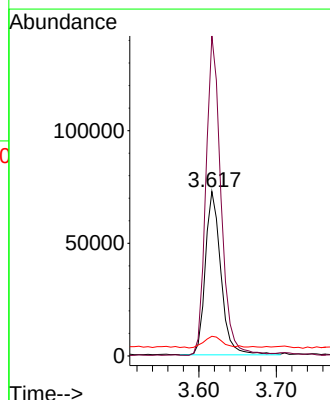
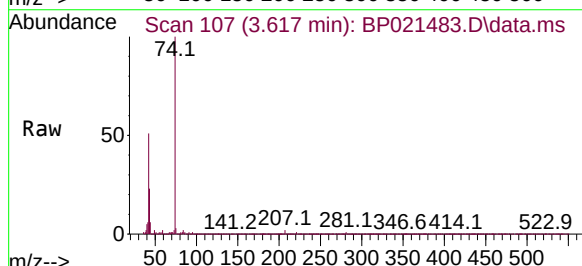
Tgt Ion: 42 Resp: 101144

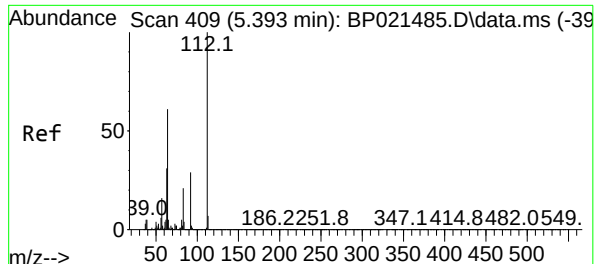
Ion Ratio Lower Upper

42 100

74 194.5 154.3 231.5

44 12.0 6.2 9.4#





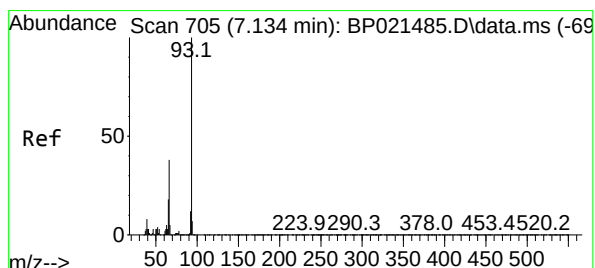
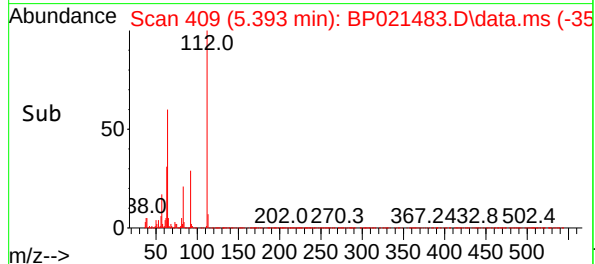
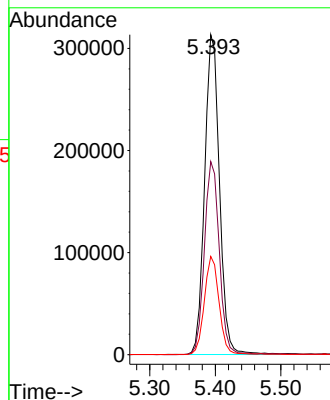
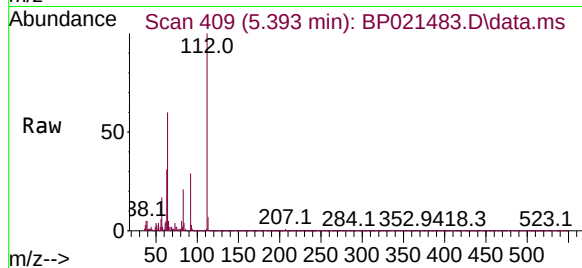
#5
2-Fluorophenol
Concen: 19.090 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 112 Resp: 495524
Ion Ratio Lower Upper
112 100
64 60.4 49.0 73.6
63 30.7 24.6 36.8

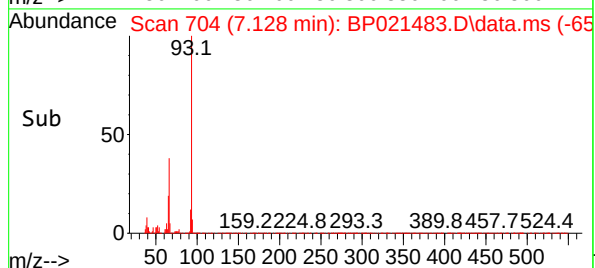
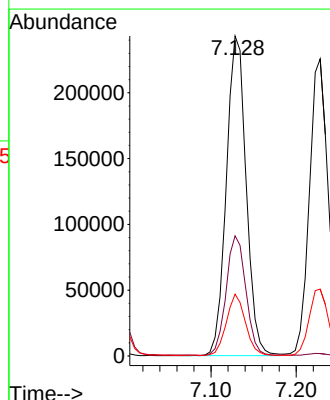
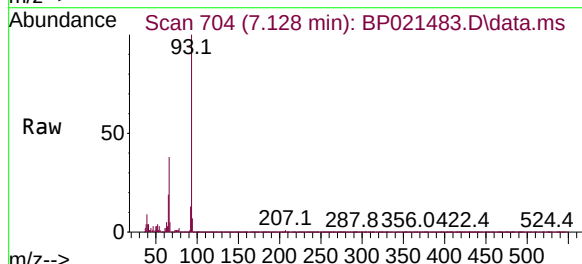
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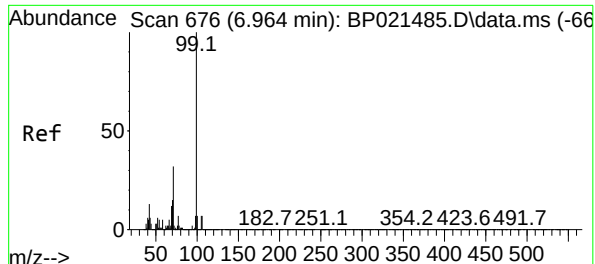
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 61

Delta R.T. -0.006 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

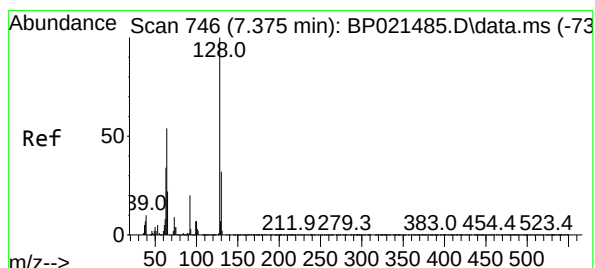
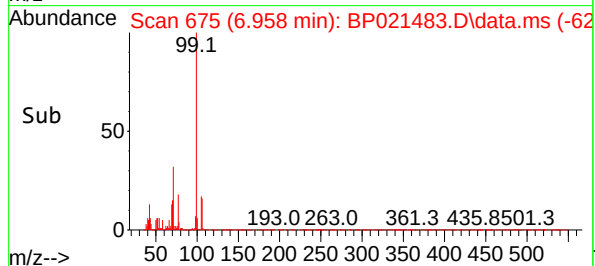
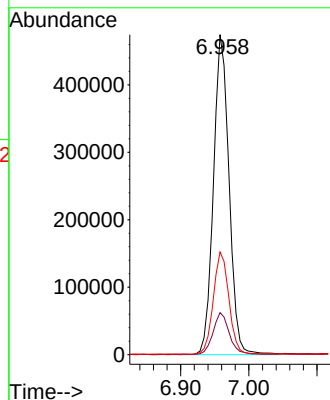
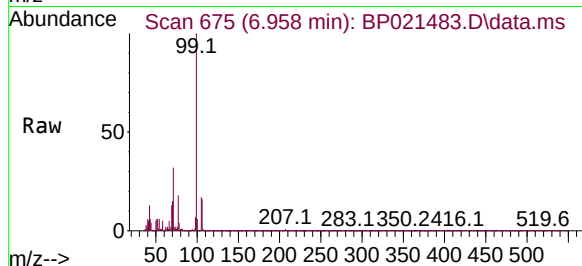
ClientSampleId :

SSTDICC010

Tgt Ion:	99	Resp:	755554
Ion	Ratio	Lower	Upper
99	100		
42	13.1	10.2	15.4
71	32.1	25.8	38.8

Manual Integrations
APPROVED

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



#8

2-Chlorophenol

Concen: 9.811 ng

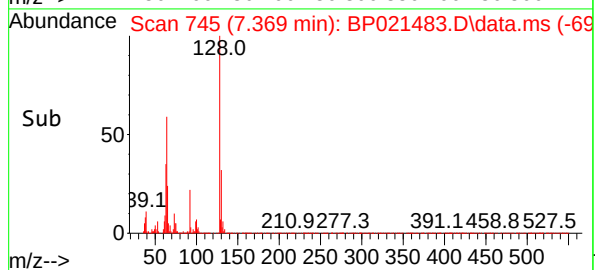
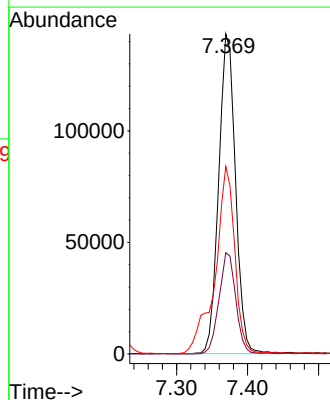
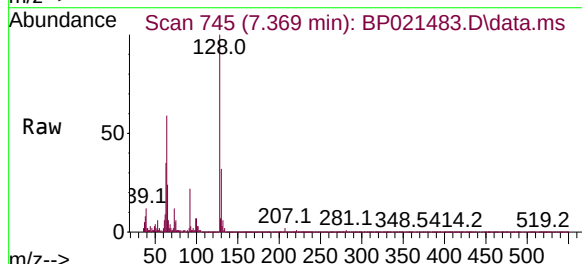
RT: 7.369 min Scan# 745

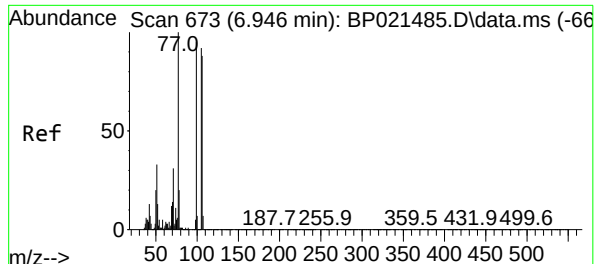
Delta R.T. -0.006 min

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





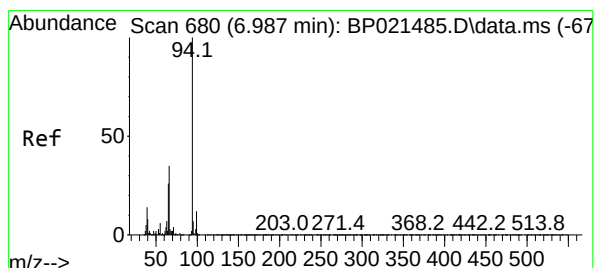
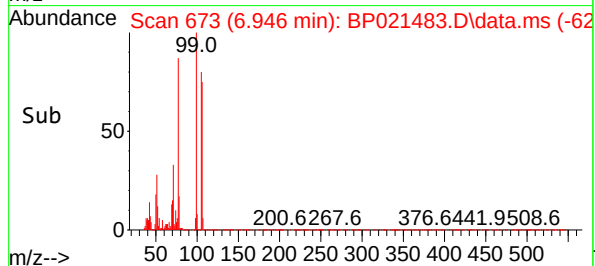
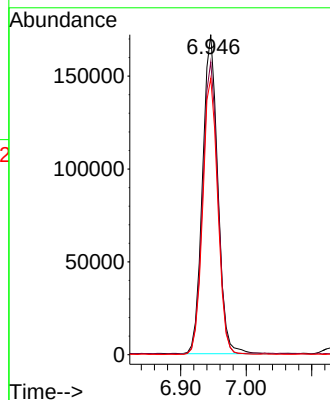
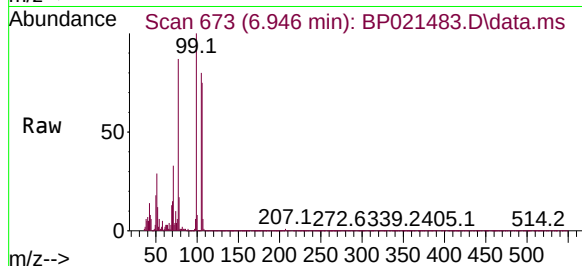
#9
Benzaldehyde
Concen: 11.503 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 278892
Ion Ratio Lower Upper
77 100
105 91.5 72.1 112.1
106 86.4 67.9 107.9

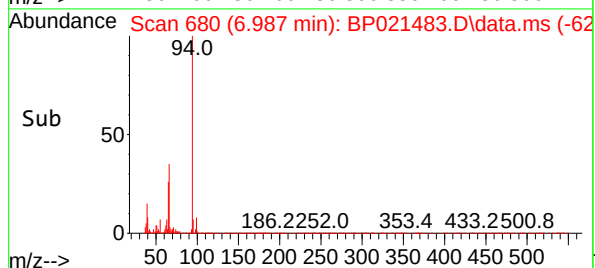
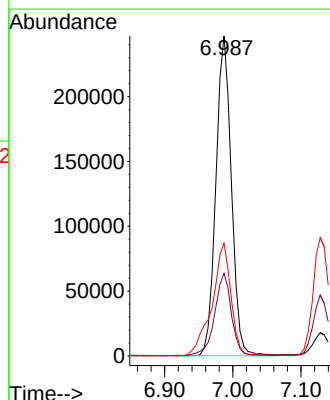
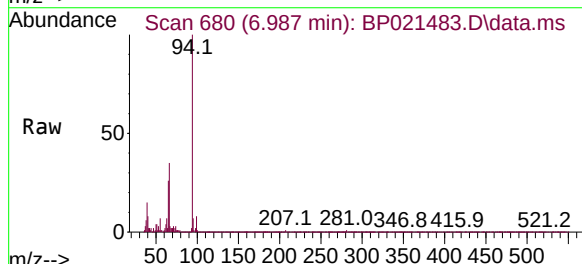
Manual Integrations
APPROVED

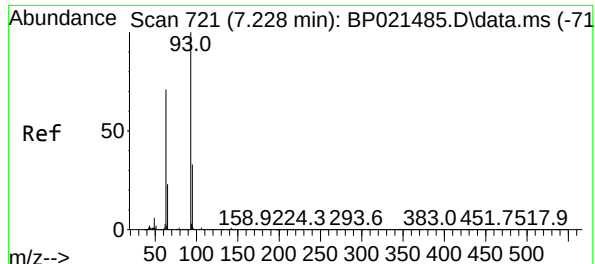
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 721

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion: 93 Resp: 34694

Ion Ratio Lower Upper

93 100

63 69.9 51.0 91.0

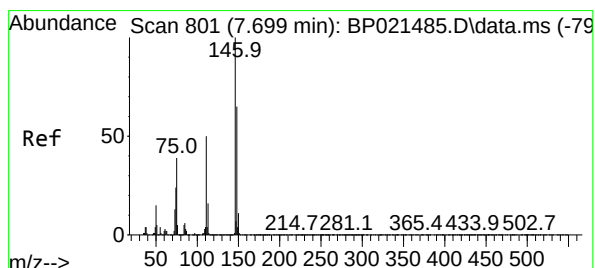
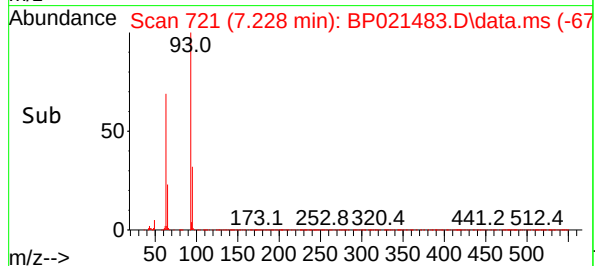
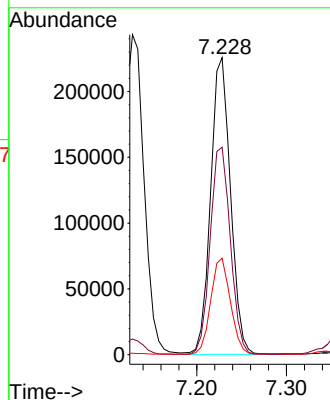
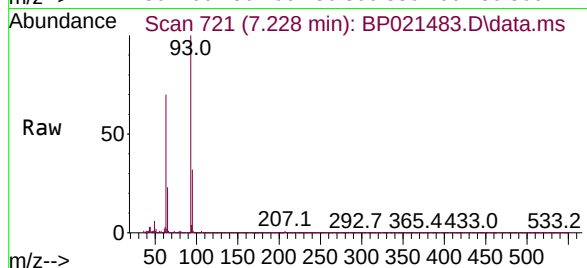
95 32.5 12.9 52.9

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

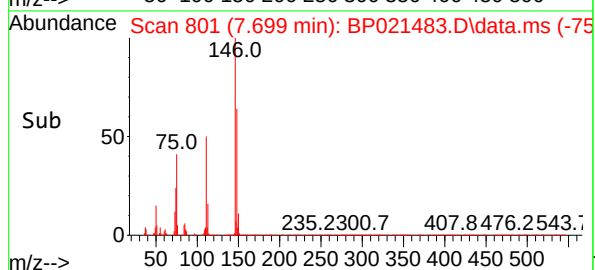
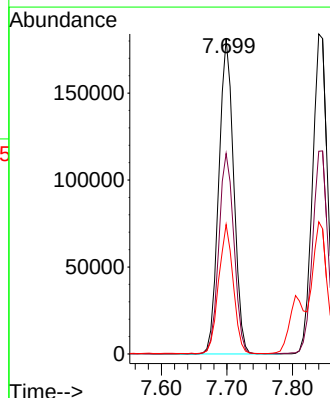
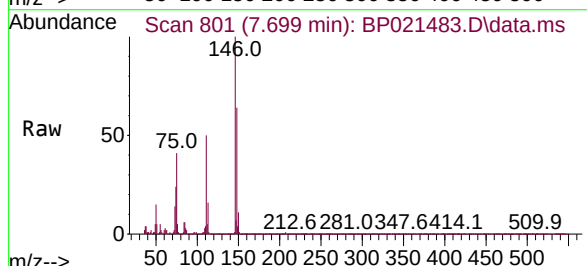
Tgt Ion:146 Resp: 285122

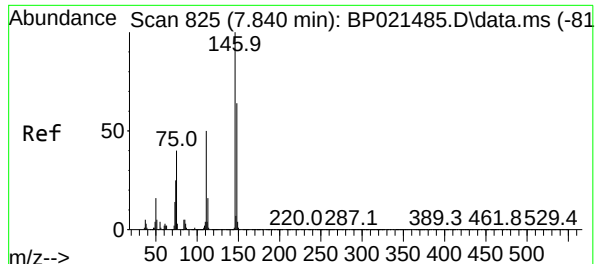
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 29175

Ion Ratio Lower Upper

146 100

148 63.4 51.5 77.3

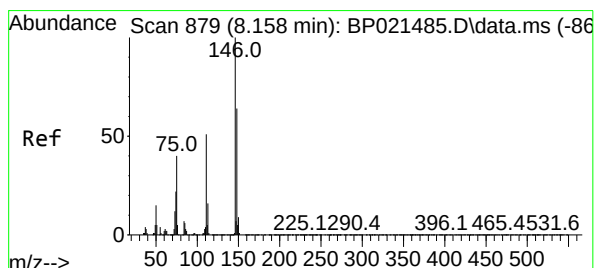
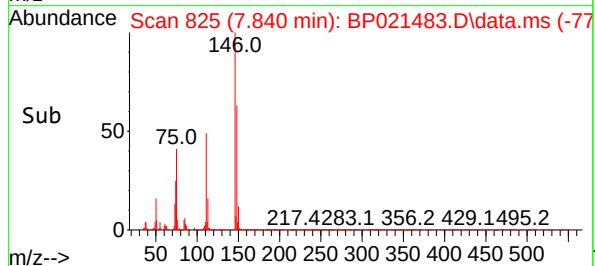
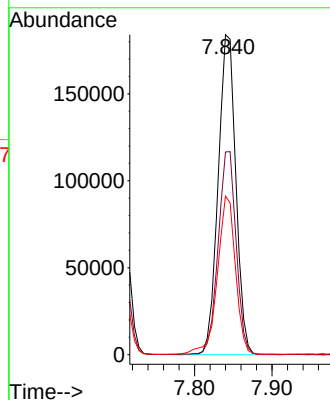
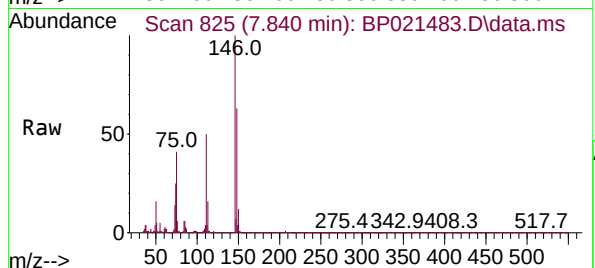
111 49.6 40.3 60.5

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

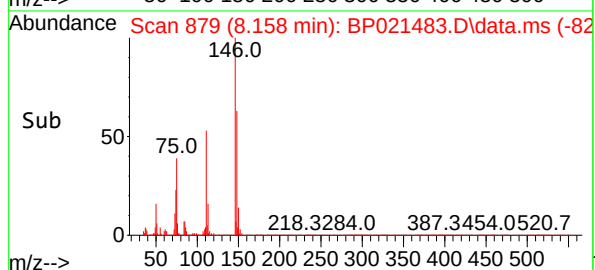
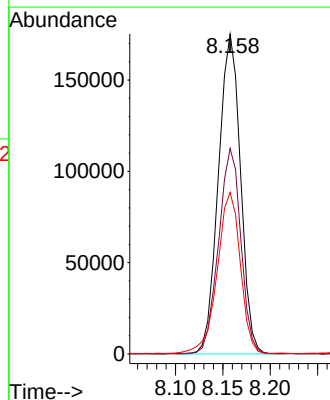
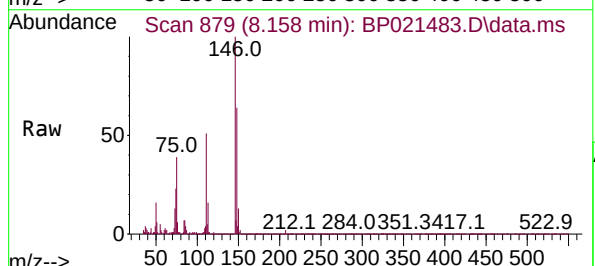
Tgt Ion:146 Resp: 284225

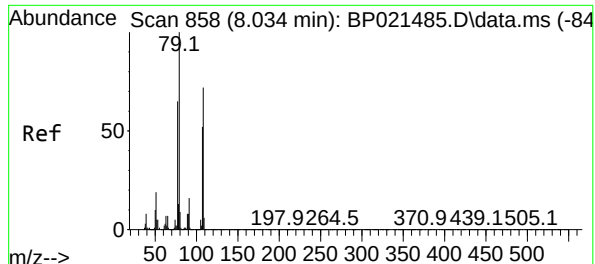
Ion Ratio Lower Upper

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# 858

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

SSTDIC010

Tgt Ion: 79 Resp: 28025

Ion Ratio Lower Upper

79 100

108 72.4 57.9 86.9

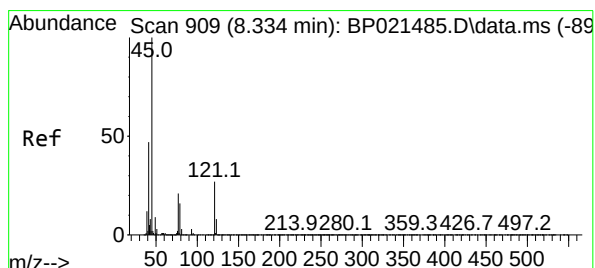
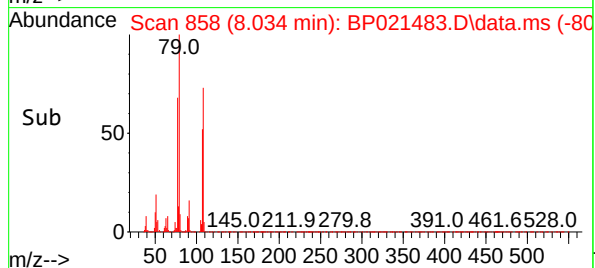
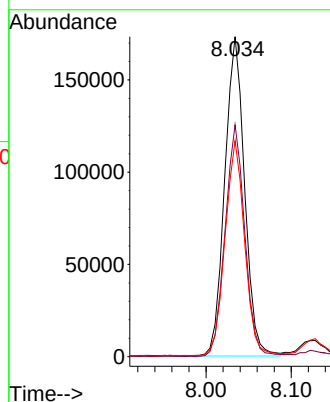
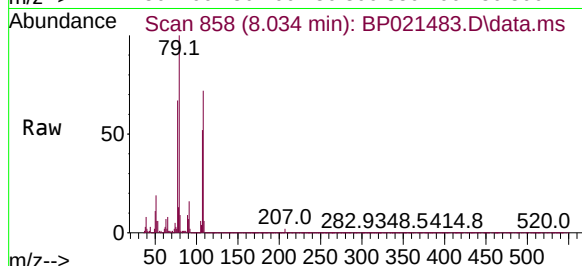
77 67.5 51.8 77.8

Manual Integrations

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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

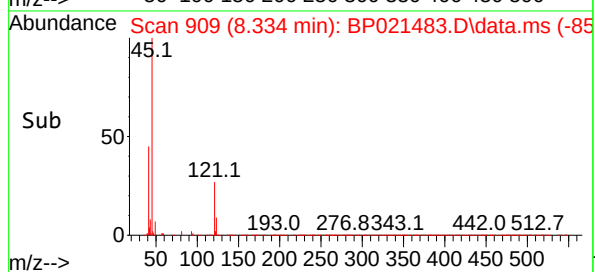
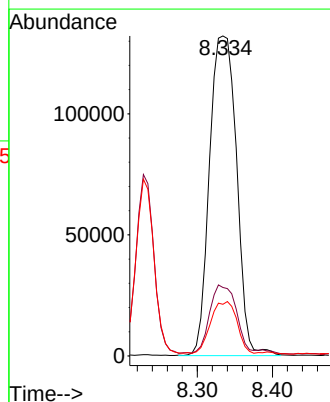
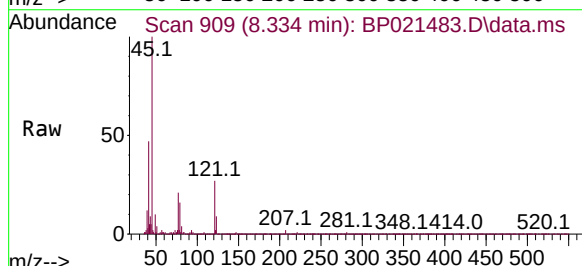
Tgt Ion: 45 Resp: 330688

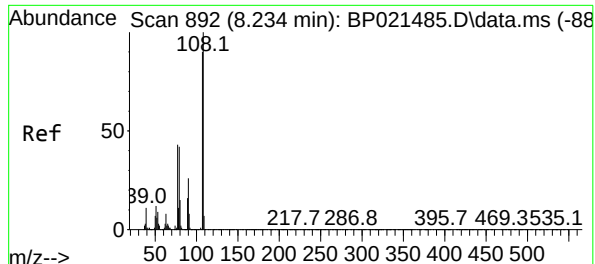
Ion Ratio Lower Upper

45 100

77 21.4 1.9 41.9

79 16.1 0.0 36.6





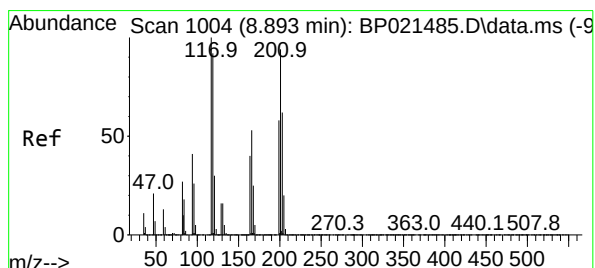
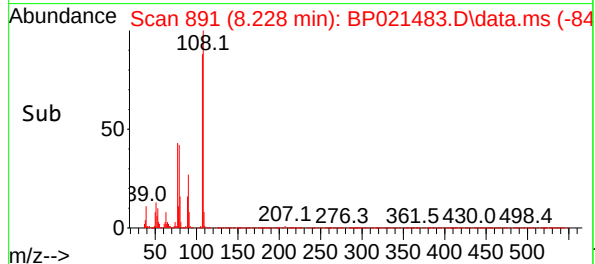
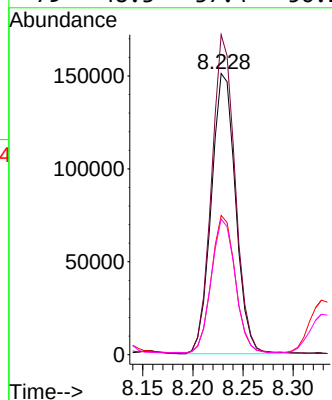
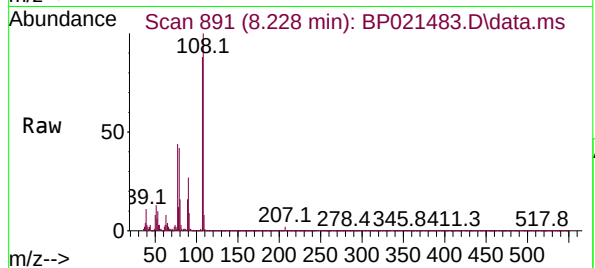
#17
2-Methylphenol
Concen: 10.205 ng
RT: 8.228 min Scan# 891
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
Client Sample Id :
SSTDICC010

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

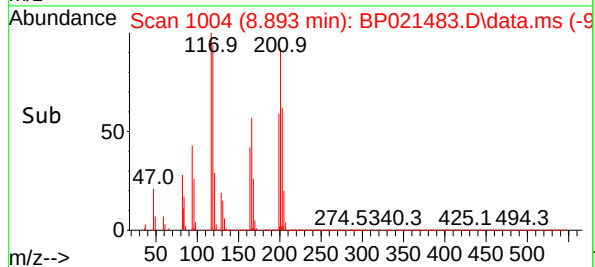
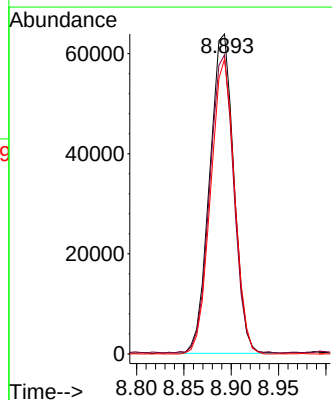
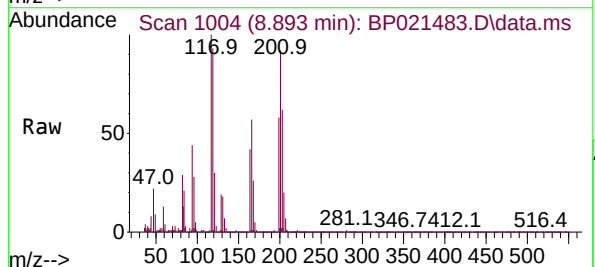
Manual Integrations
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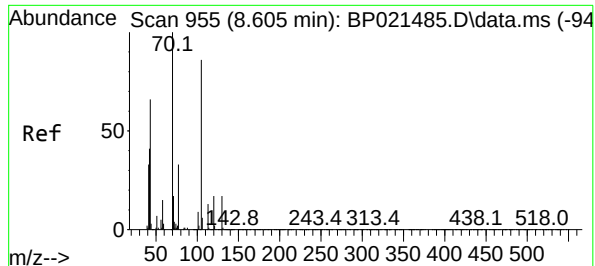
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 91

Delta R.T. -0.006 min

Lab File: BP021483.D

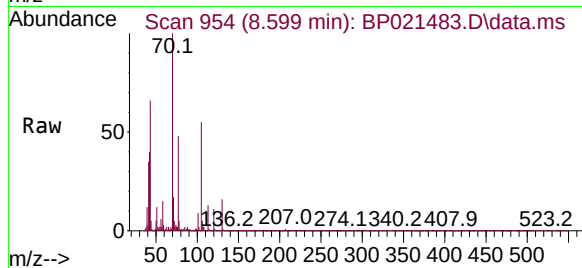
Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

SSTDICC010



Tgt Ion: 70 Resp: 299730

Ion Ratio Lower Upper

70 100

42 40.3 33.1 49.7

101 9.3 7.4 11.2

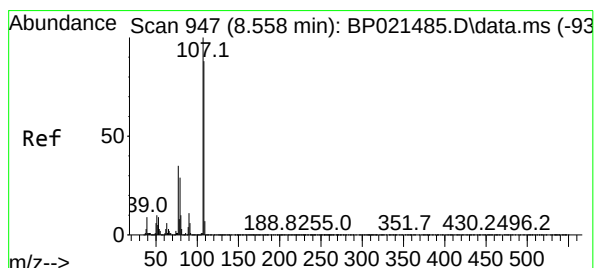
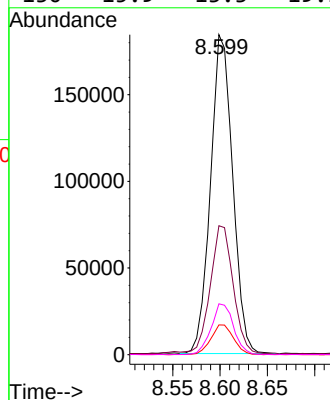
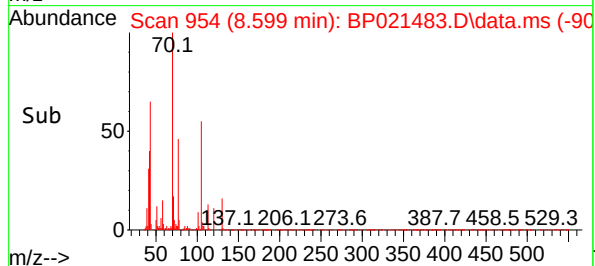
130 15.9 13.3 19.9

Manual Integrations

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Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#20

3+4-Methylphenols

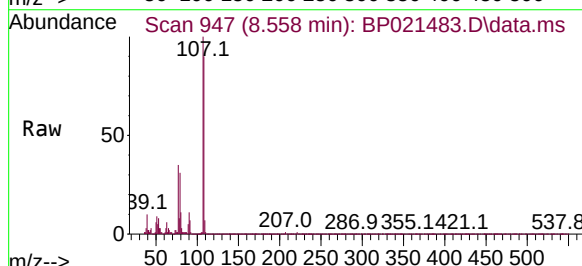
Concen: 10.496 ng

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

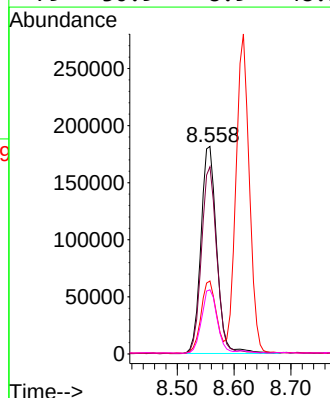
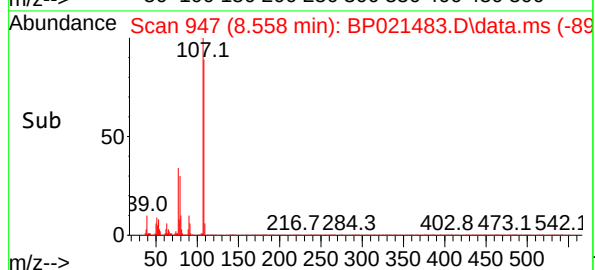
Ion Ratio Lower Upper

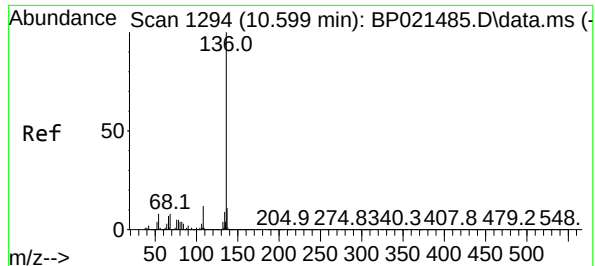
107 100

108 90.2 67.6 107.6

77 35.1 15.0 55.0

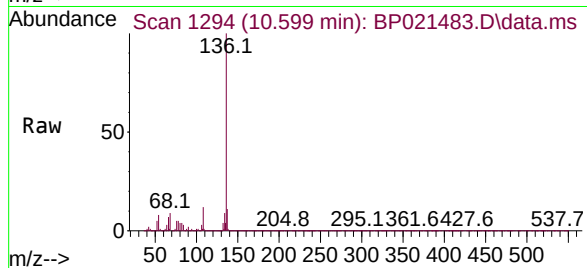
79 30.9 8.9 48.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

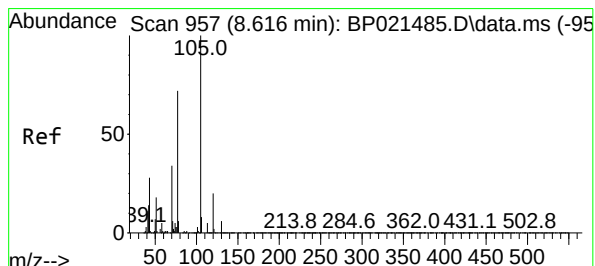
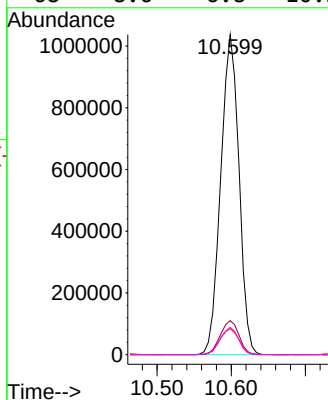
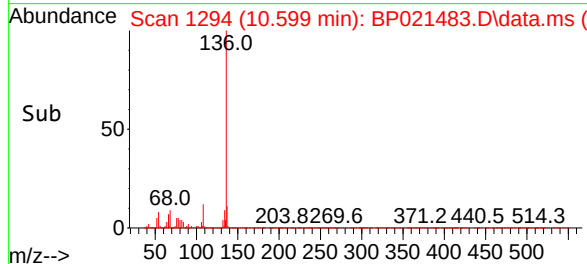
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion:136 Resp: 1772285
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

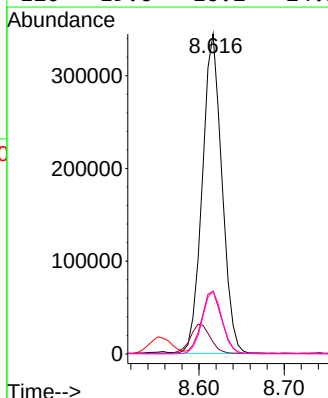
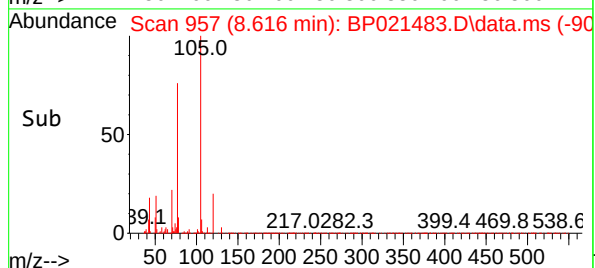
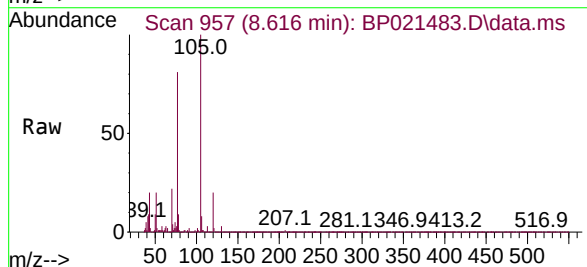
Manual Integrations
APPROVED

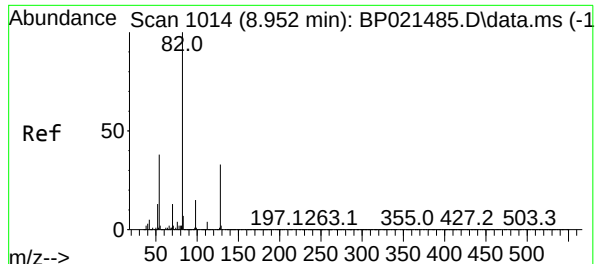
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1014

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 600158

Ion Ratio Lower Upper

82 100

128 31.4 26.5 39.7

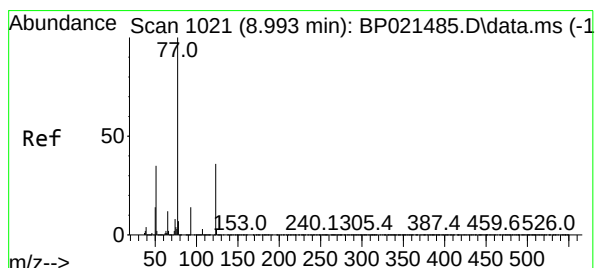
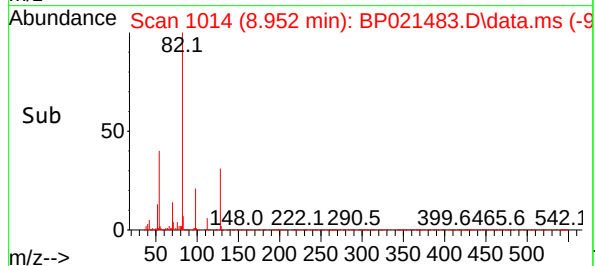
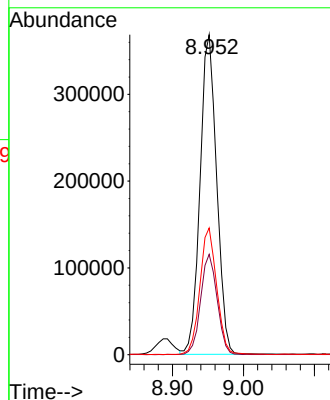
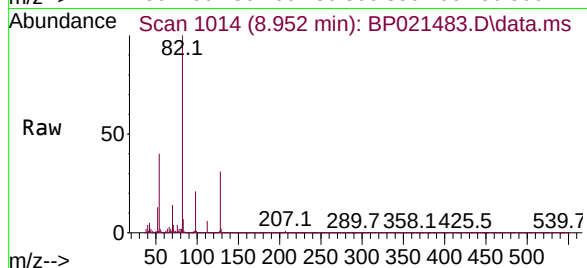
54 39.6 30.3 45.5

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

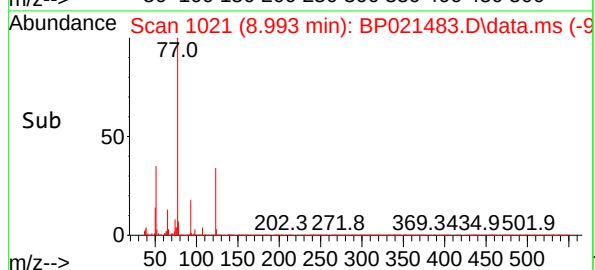
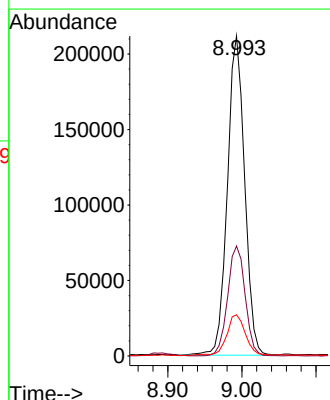
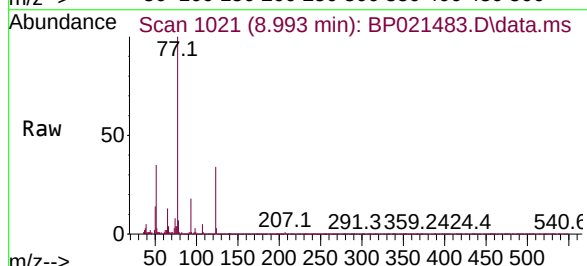
Tgt Ion: 77 Resp: 341460

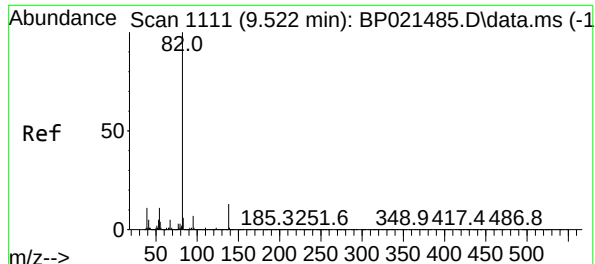
Ion Ratio Lower Upper

77 100

123 34.3 29.5 44.3

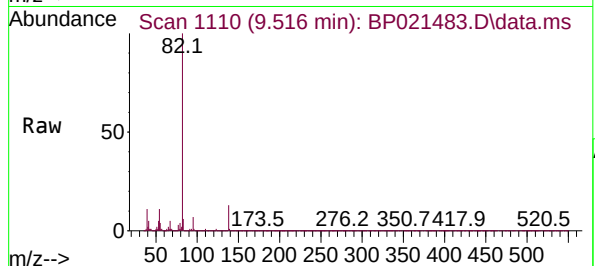
65 12.9 9.9 14.9





#25
Isophorone
Concen: 10.593 ng
RT: 9.516 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

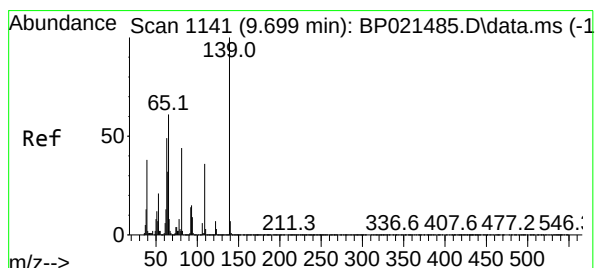
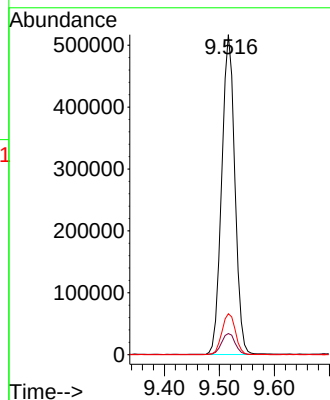
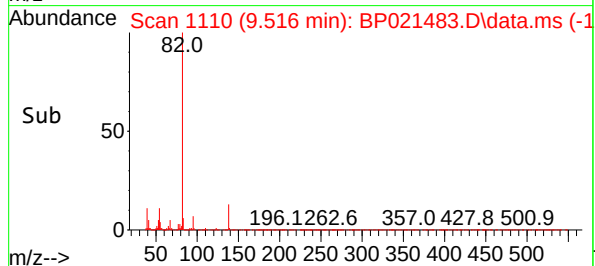
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



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

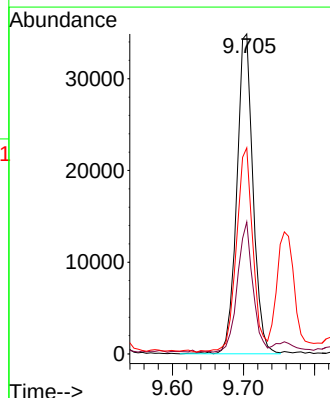
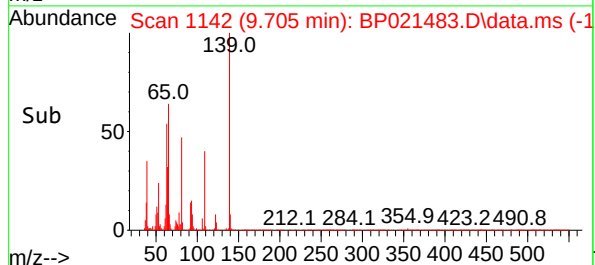
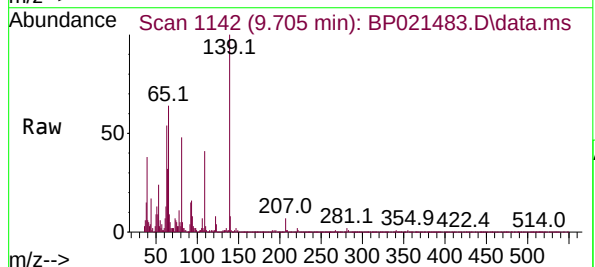
Manual Integrations
APPROVED

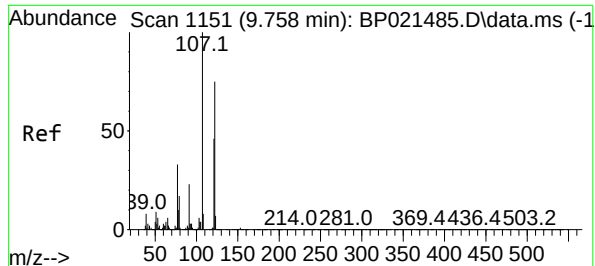
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1151

Delta R.T. -0.000 min

Lab File: BP021483.D

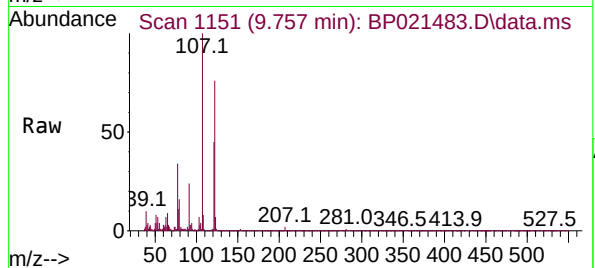
Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

SSTDICC010



Tgt Ion:122 Resp: 199430

Ion Ratio Lower Upper

122 100

107 131.6 106.2 159.4

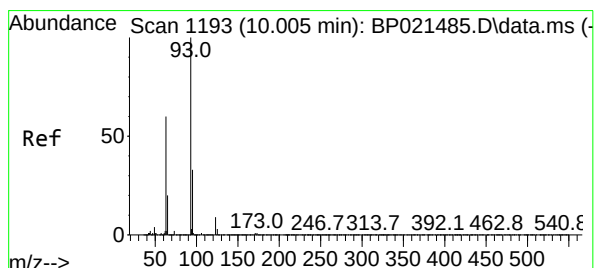
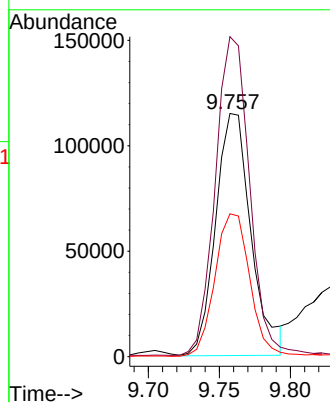
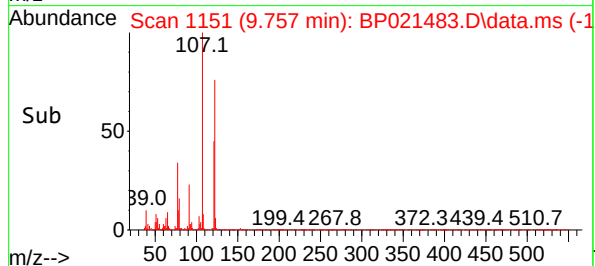
121 58.8 48.8 73.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#28

bis(2-Chloroethoxy)methane

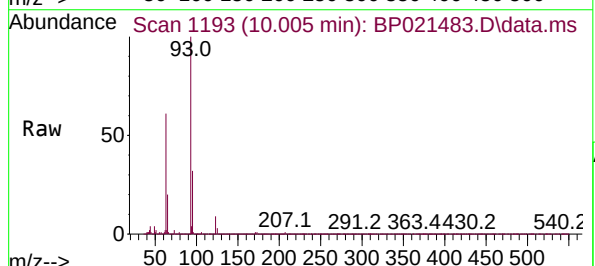
Concen: 10.270 ng

RT: 10.005 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59



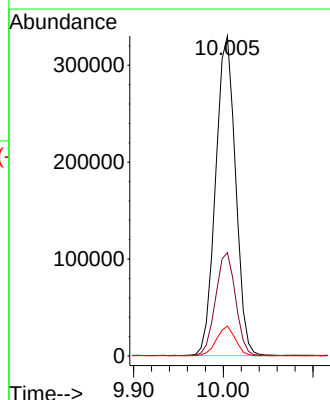
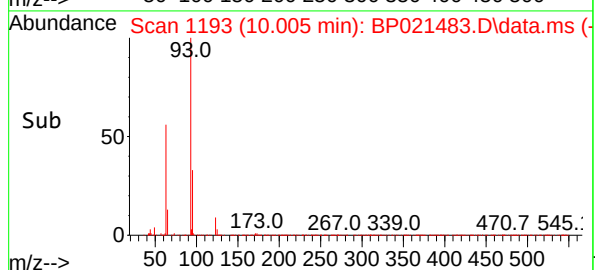
Tgt Ion: 93 Resp: 508512

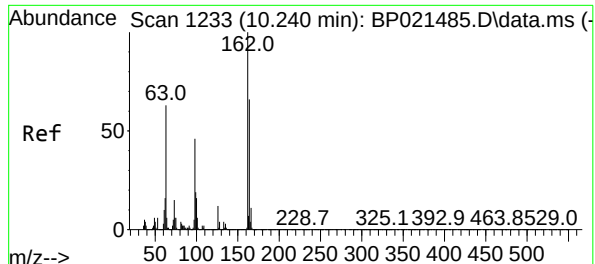
Ion Ratio Lower Upper

93 100

95 32.3 26.2 39.4

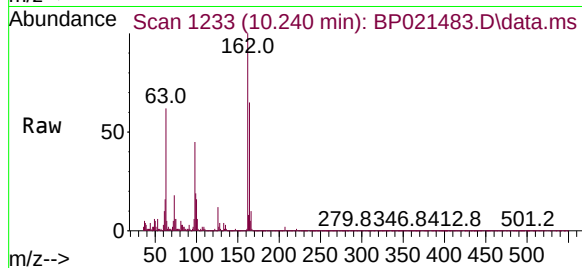
123 9.4 7.6 11.4





#29
2,4-Dichlorophenol
Concen: 9.322 ng
RT: 10.240 min Scan# 1233
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

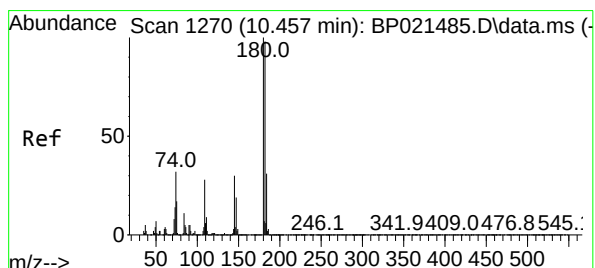
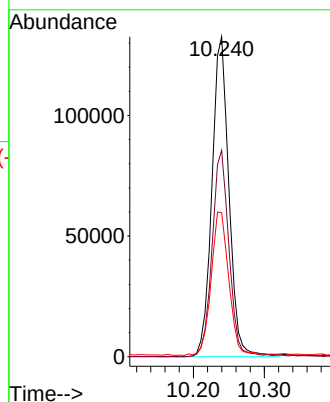
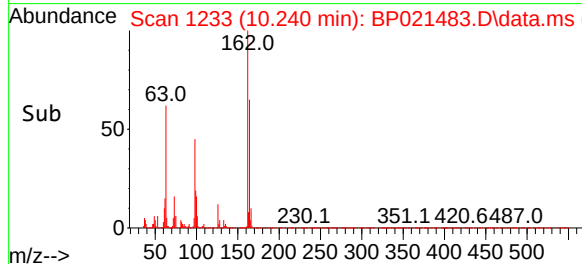
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



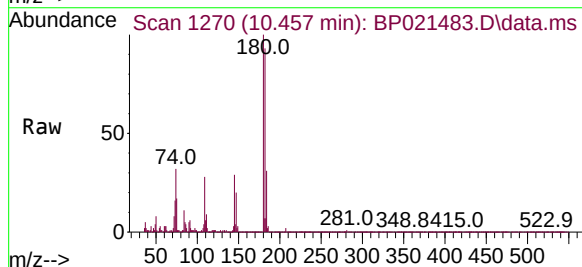
Tgt Ion:162 Resp: 220504
Ion Ratio Lower Upper
162 100
164 64.5 45.9 85.9
98 45.0 26.3 66.3

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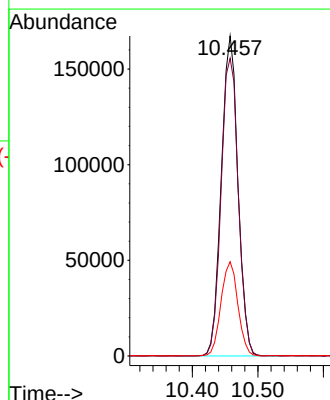
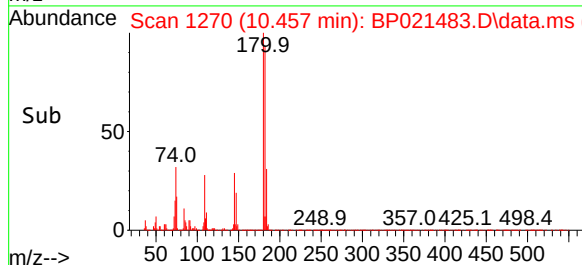
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

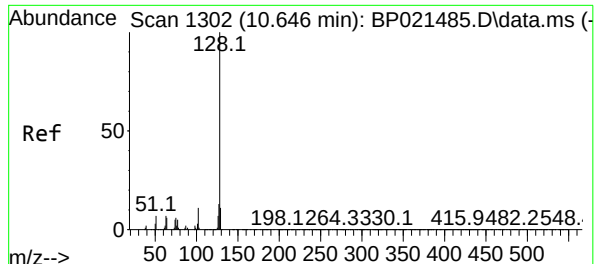


#30
1,2,4-Trichlorobenzene
Concen: 9.689 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59



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# 1163

Delta R.T. -0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

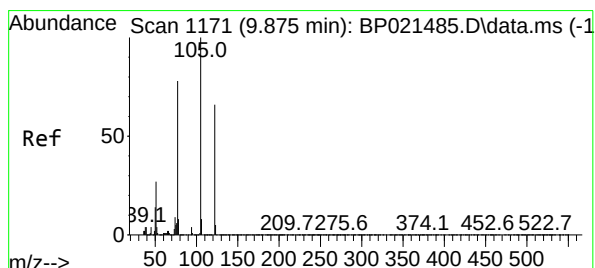
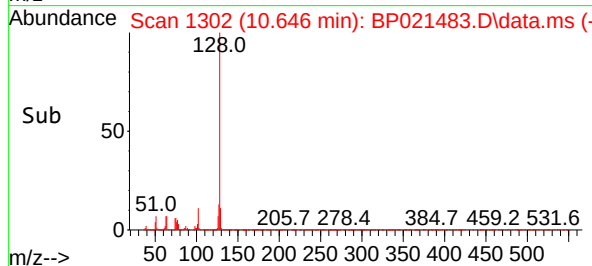
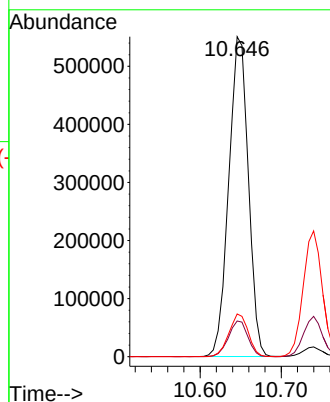
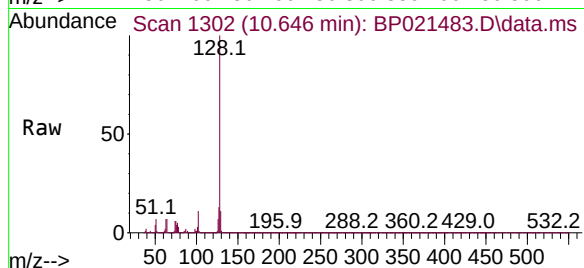
SSTDICC010

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

Manual Integrations
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Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#32

Benzoic acid

Concen: 10.529 ng

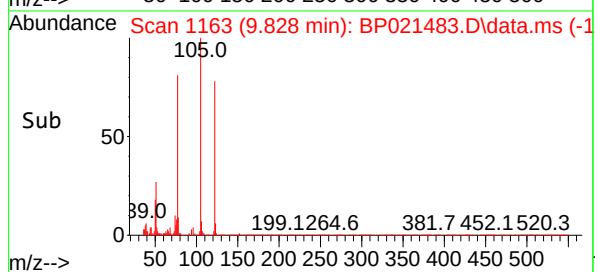
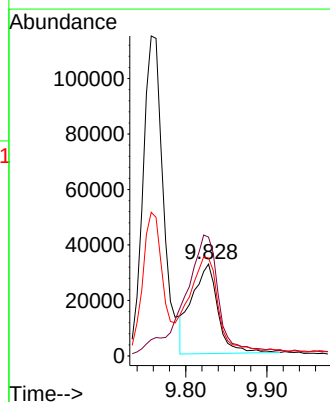
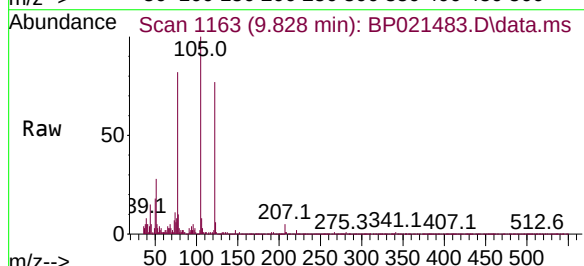
RT: 9.828 min Scan# 1163

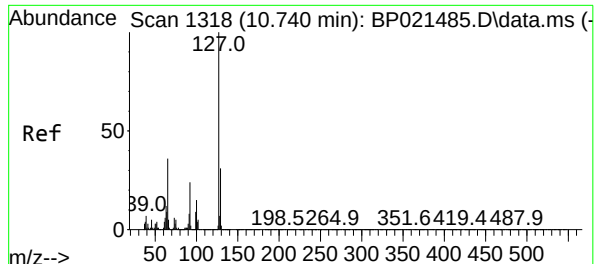
Delta R.T. -0.047 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

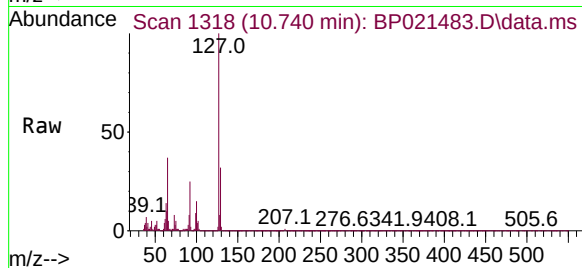
Tgt Ion:	122	Resp:	72405
Ion Ratio	Lower	Upper	
122	100		
105	129.6	124.6	164.6
77	106.7	96.2	136.2





#33
4-Chloroaniline
Concen: 10.269 ng
RT: 10.740 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

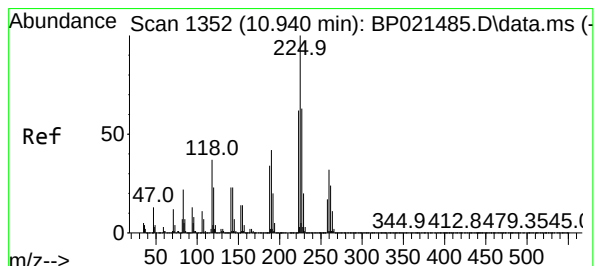
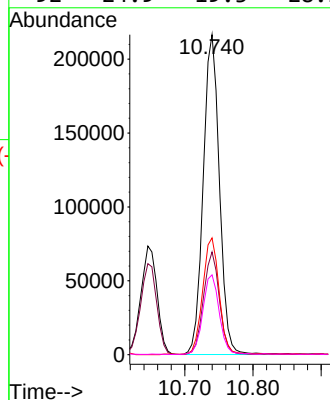
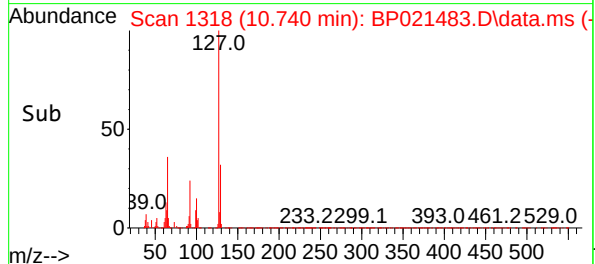
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



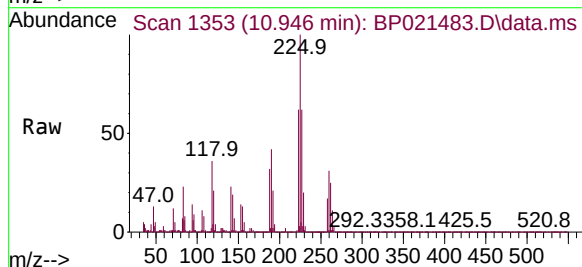
Tgt Ion:127 Resp: 357120
Ion Ratio Lower Upper
127 100
129 32.1 24.5 36.7
65 36.5 28.9 43.3
92 24.9 19.3 28.9

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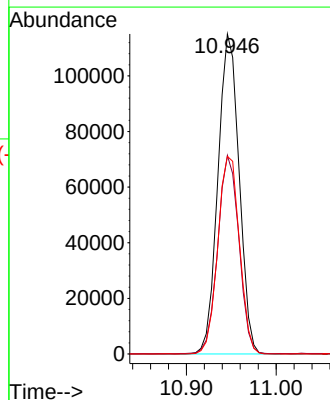
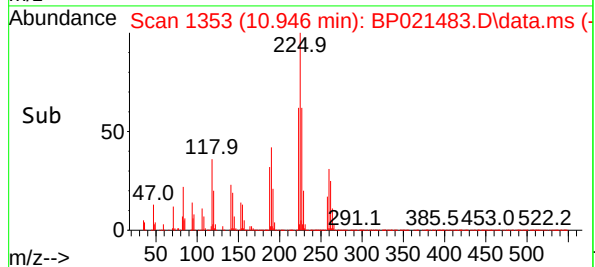
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

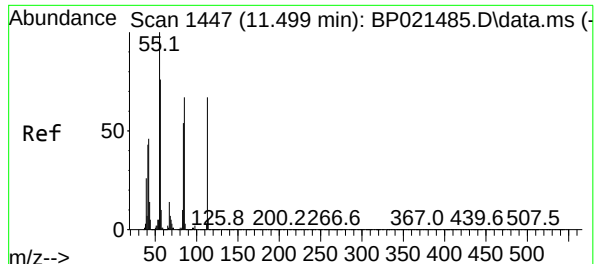


#34
Hexachlorobutadiene
Concen: 9.867 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59



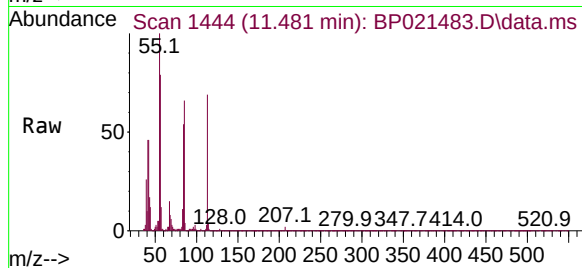
Tgt Ion:225 Resp: 188389
Ion Ratio Lower Upper
225 100
223 62.1 49.6 74.4
227 61.7 50.1 75.1





#35
Caprolactam
Concen: 10.344 ng
RT: 11.481 min Scan# 1447
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

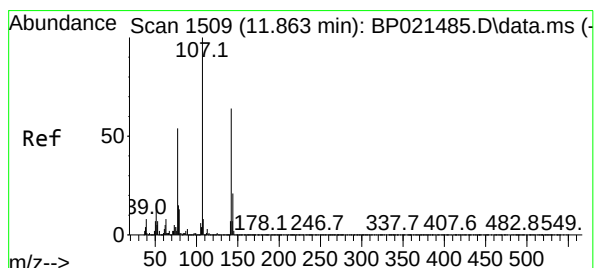
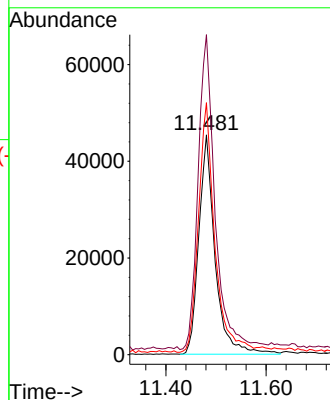
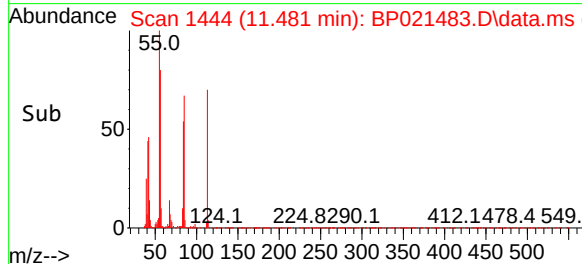
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion:113 Resp: 101824
Ion Ratio Lower Upper
113 100
55 145.6 130.6 170.6
56 114.6 94.6 134.6

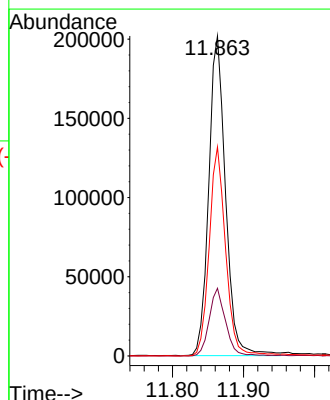
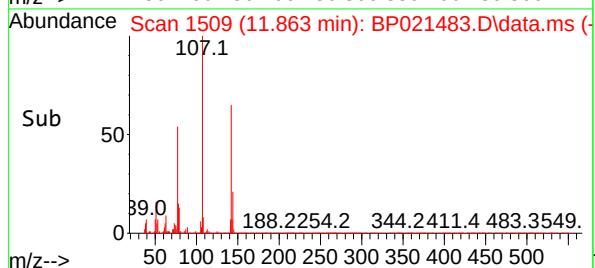
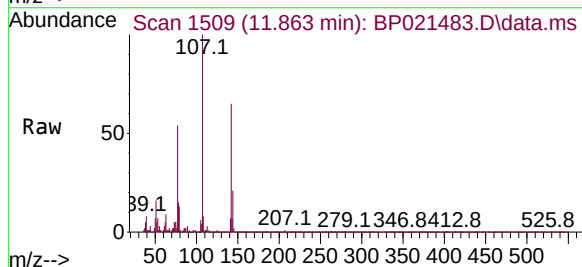
Manual Integrations
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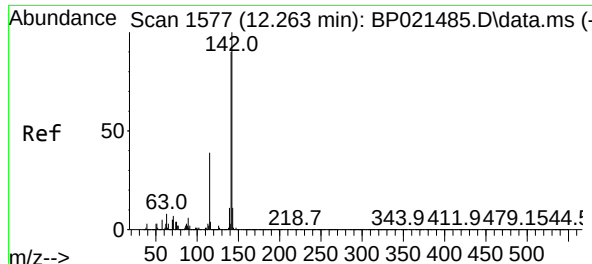
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





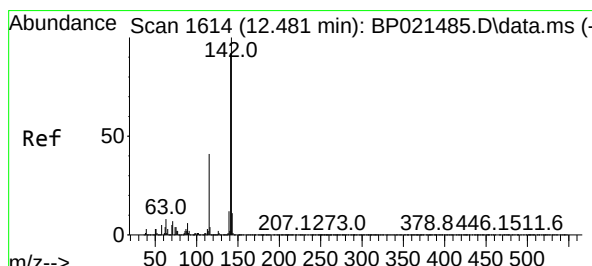
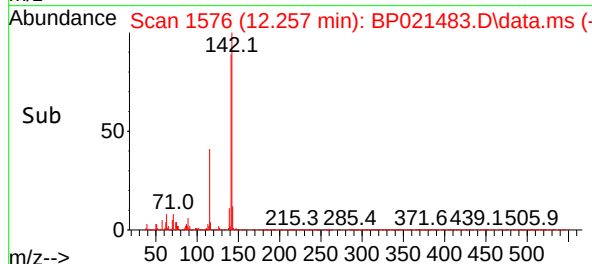
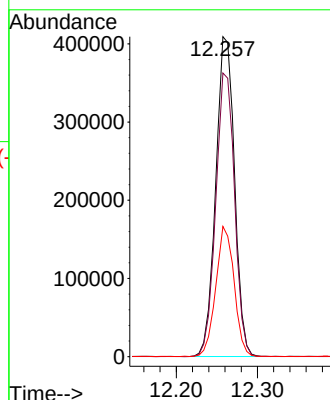
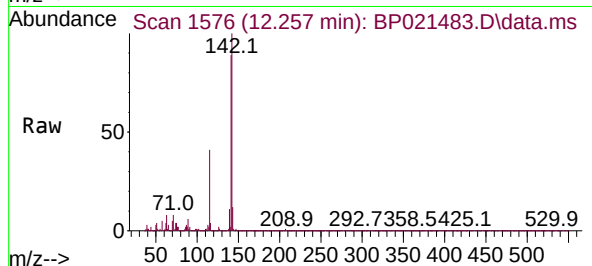
#37
2-Methylnaphthalene
Concen: 10.407 ng
RT: 12.257 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 657592
Ion Ratio Lower Upper
142 100
141 88.6 71.7 107.5
115 40.7 31.4 47.2

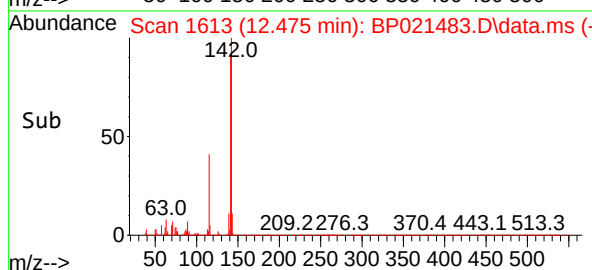
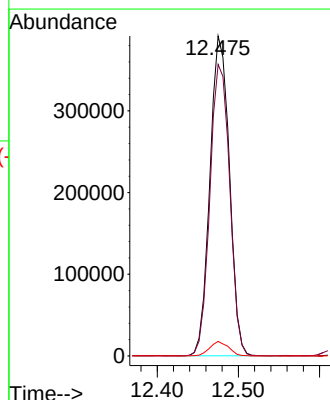
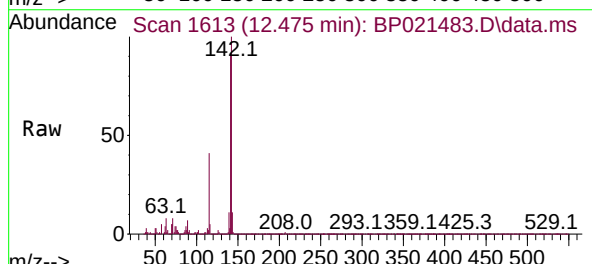
Manual Integrations
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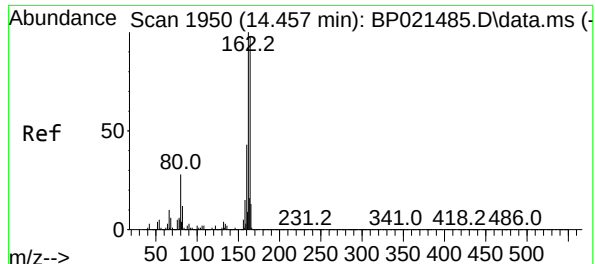
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1950

Delta R.T. -0.006 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion:164 Resp: 1303990

Ion Ratio Lower Upper

164 100

162 102.6 81.5 122.3

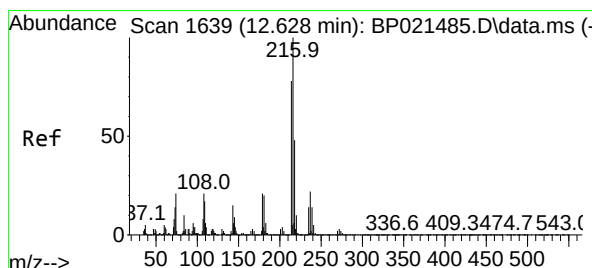
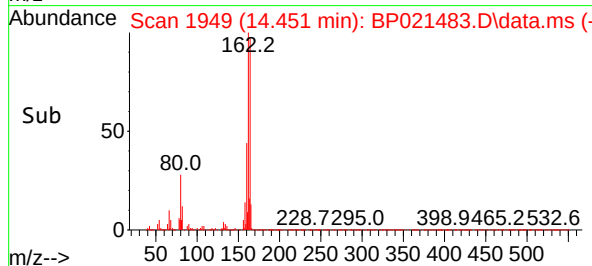
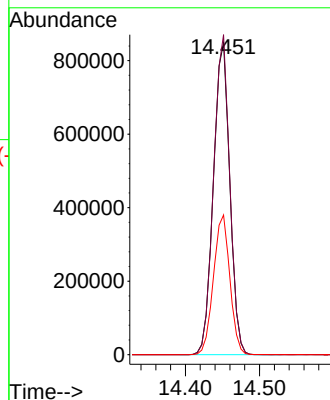
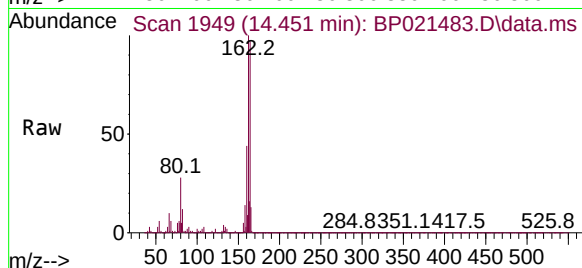
160 44.8 35.2 52.8

Manual Integrations

APPROVED

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

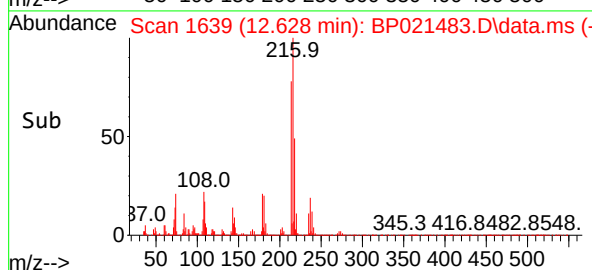
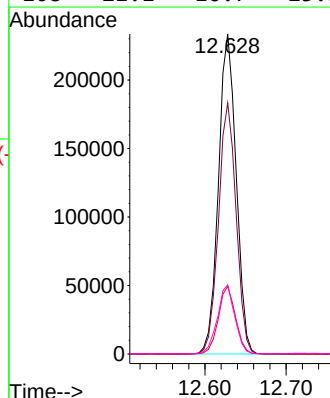
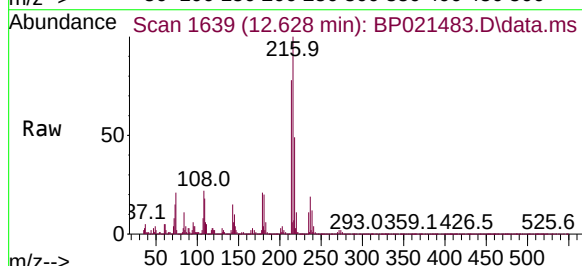
Ion Ratio Lower Upper

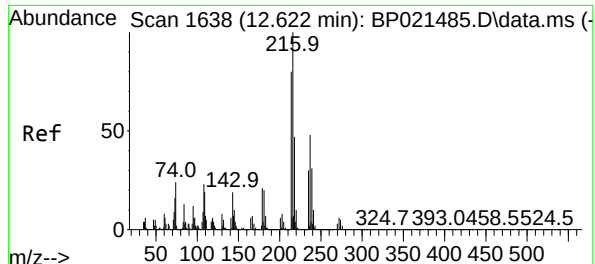
216 100

214 78.1 62.5 93.7

179 20.4 16.4 24.6

108 21.1 16.7 25.1





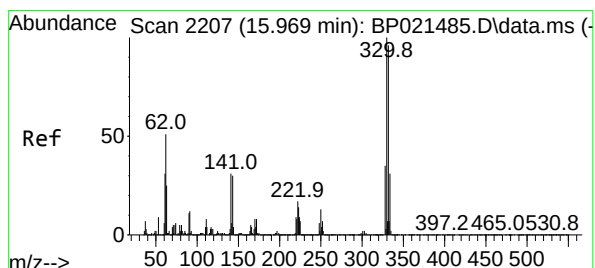
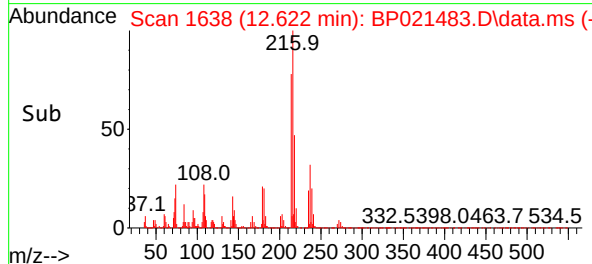
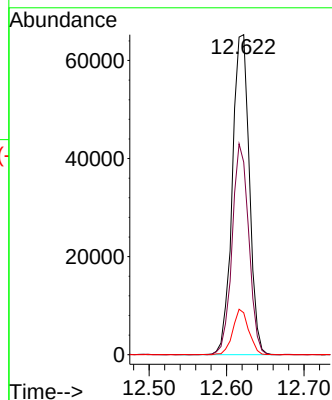
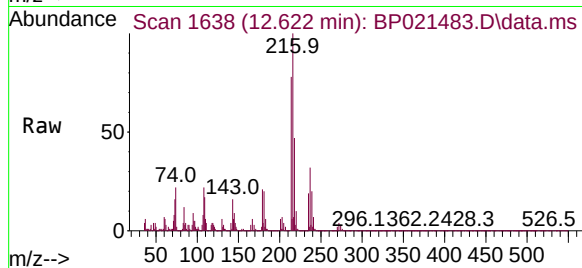
#41
Hexachlorocyclopentadiene
Concen: 8.236 ng
RT: 12.622 min Scan# 10
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 237 Resp: 99734
Ion Ratio Lower Upper
237 100
235 60.1 43.9 83.9
272 13.1 0.0 33.3

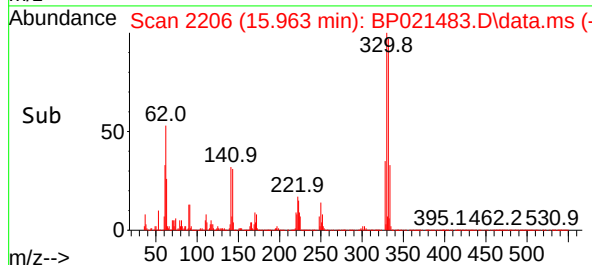
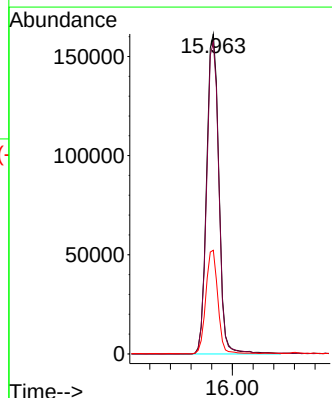
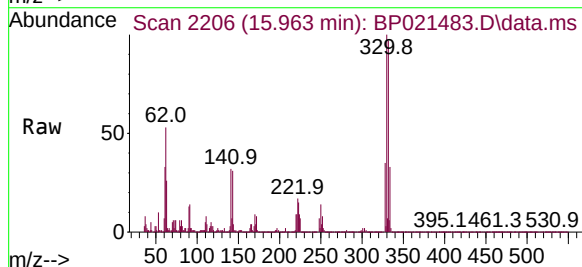
Manual Integrations
APPROVED

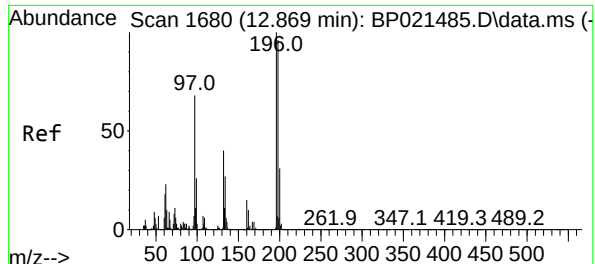
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1679

Delta R.T. -0.006 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

SSTDIC010

Tgt Ion:196 Resp: 18503

Ion Ratio Lower Upper

196 100

198 100.1 76.6 114.8

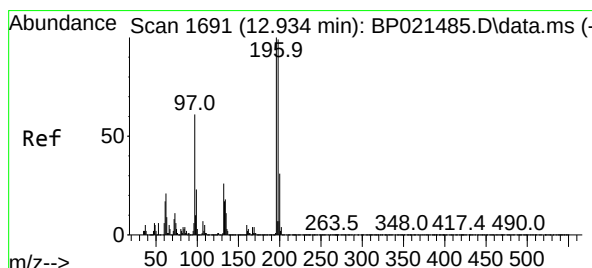
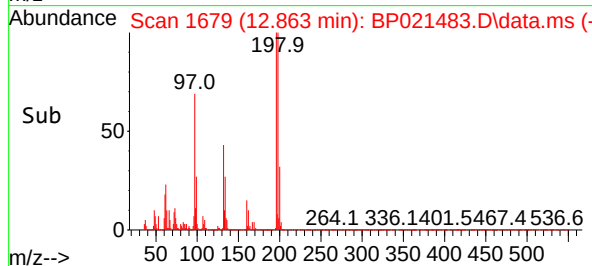
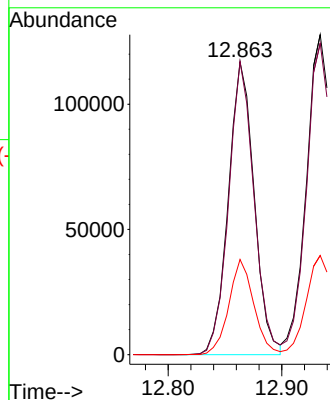
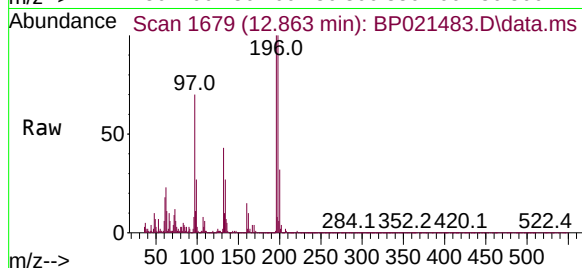
200 32.5 24.5 36.7

Manual Integrations

APPROVED

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

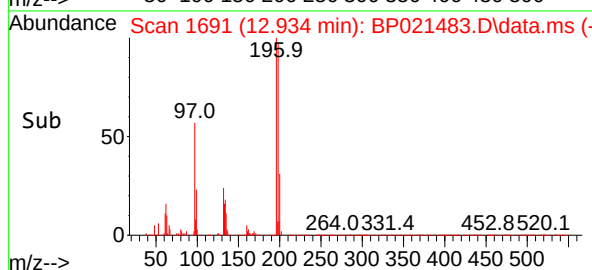
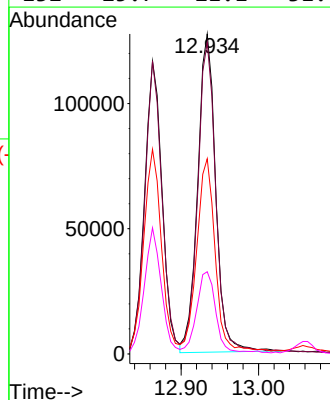
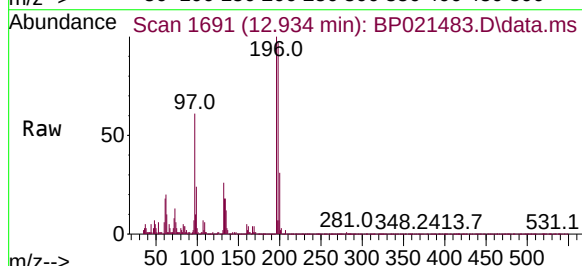
Ion Ratio Lower Upper

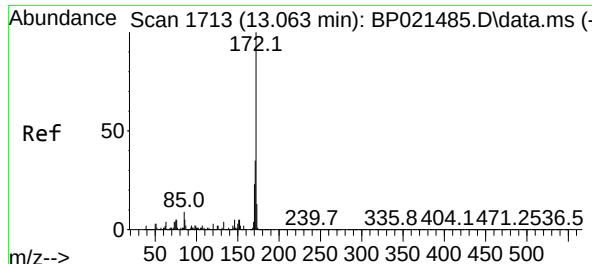
196 100

198 97.3 78.9 118.3

97 61.0 49.4 74.0

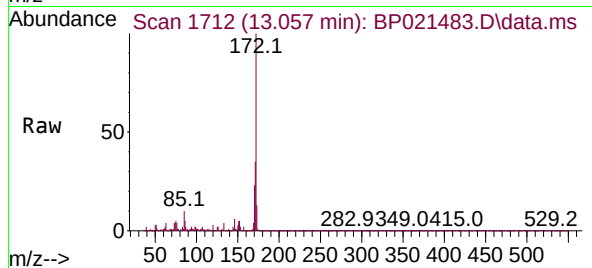
132 25.7 21.1 31.7





#45
2-Fluorobiphenyl
Concen: 20.051 ng
RT: 13.057 min Scan# 1713
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

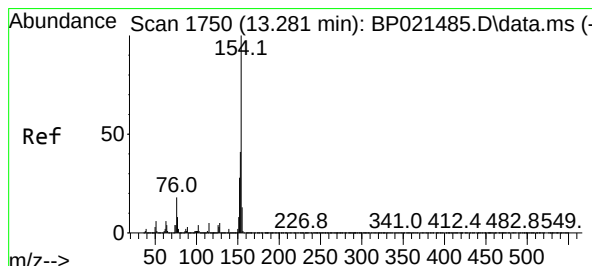
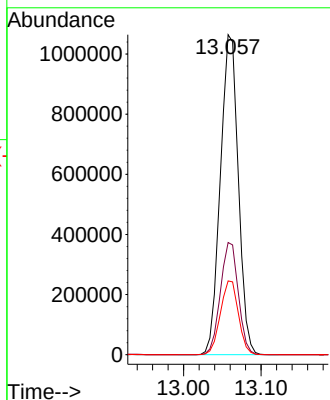
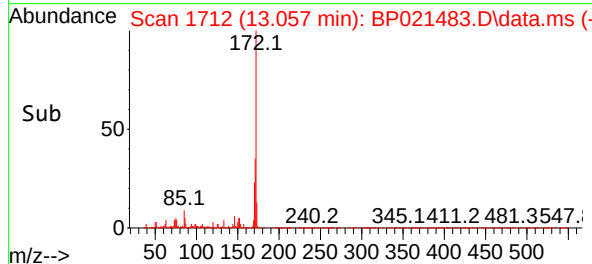
Instrument :
BNA_P
Client Sample Id :
SSTDICC010



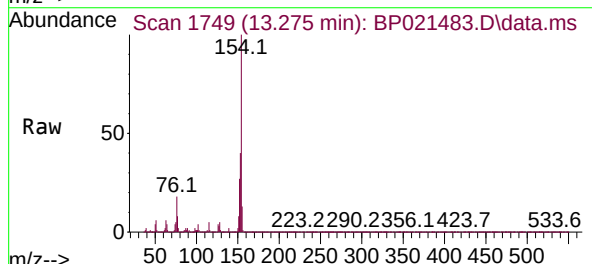
Tgt Ion:172 Resp: 1713235
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 23.1 18.4 27.6

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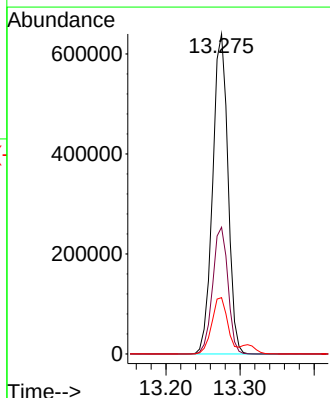
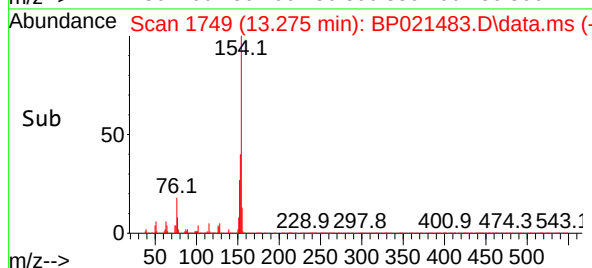
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

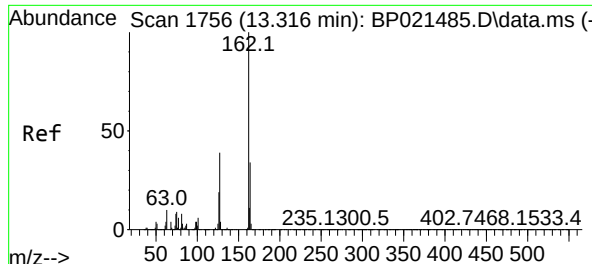


#46
1,1'-Biphenyl
Concen: 9.894 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59



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# 1756

Delta R.T. -0.006 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

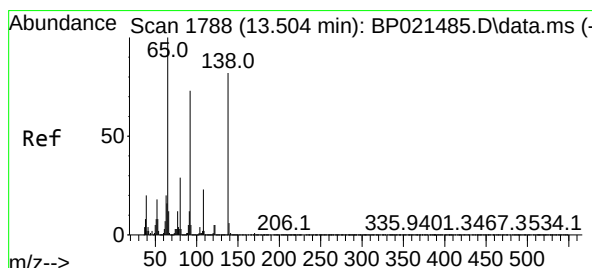
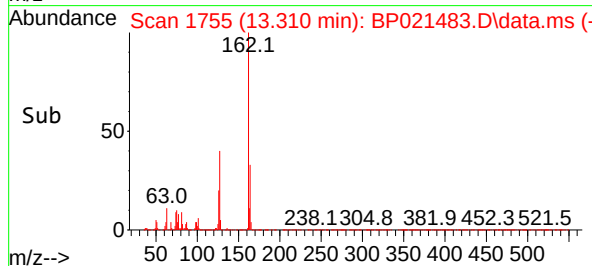
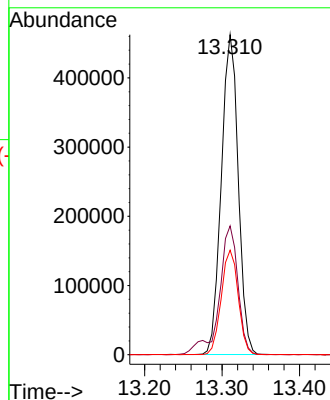
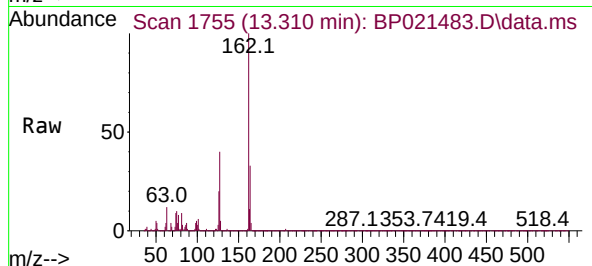
SSTDICC010

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

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#48

2-Nitroaniline

Concen: 10.374 ng

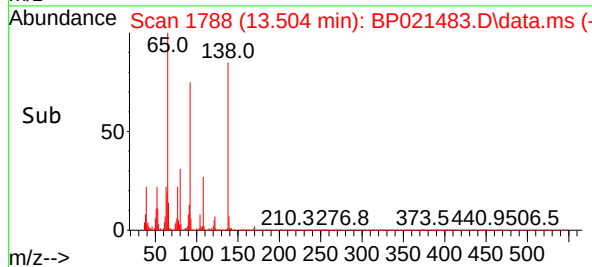
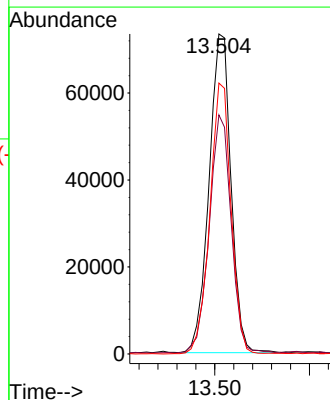
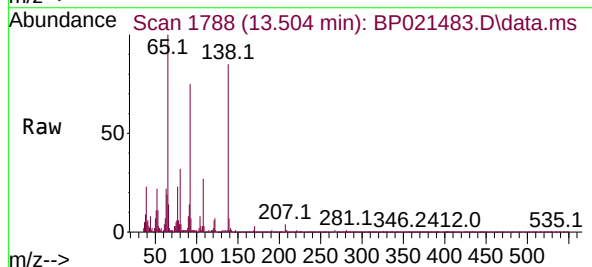
RT: 13.504 min Scan# 1788

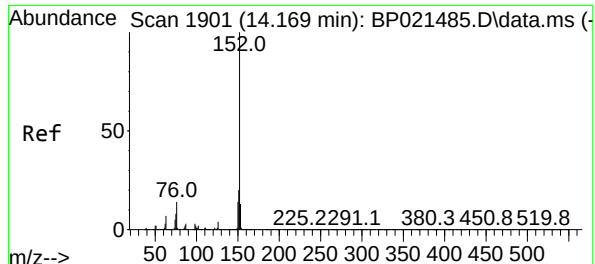
Delta R.T. 0.000 min

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# 1901

Delta R.T. 0.000 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion:152 Resp: 104961

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

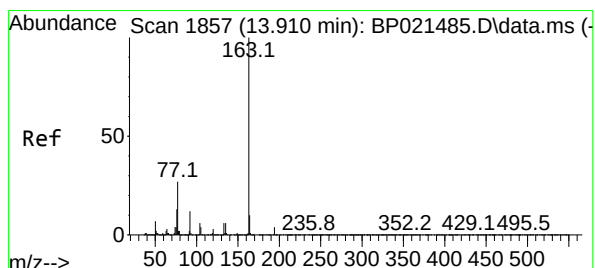
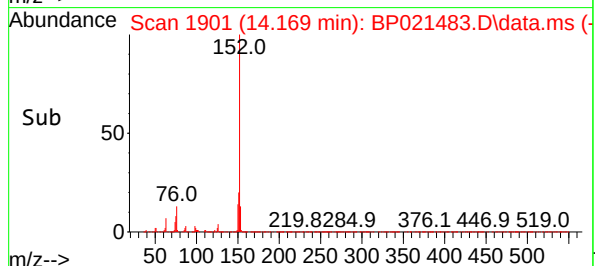
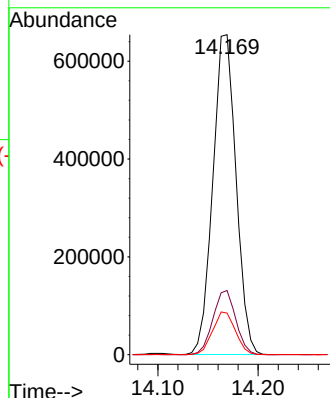
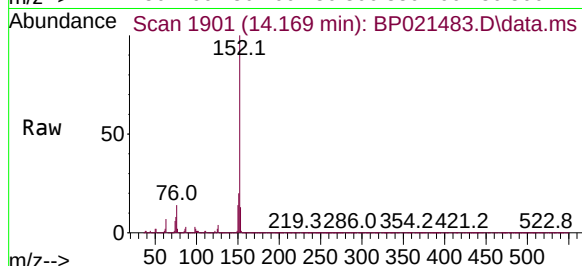
153 13.0 10.6 16.0

Manual Integrations

APPROVED

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

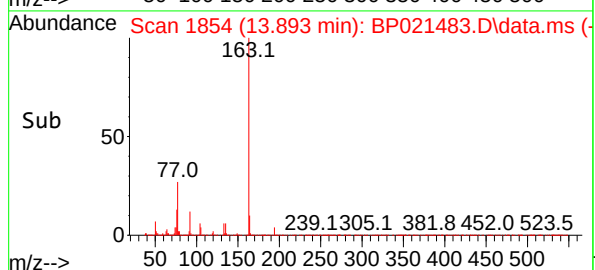
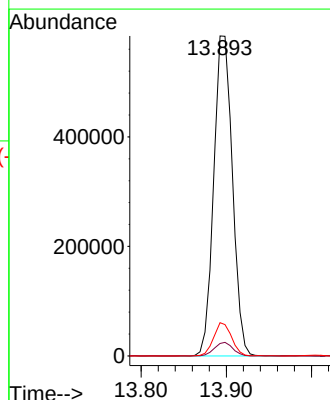
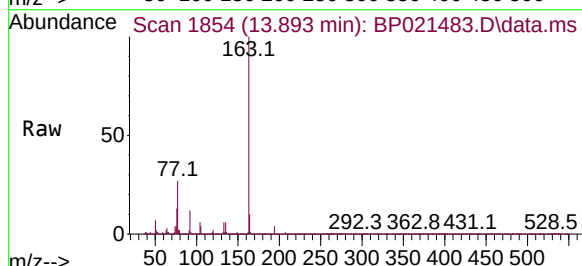
Tgt Ion:163 Resp: 889818

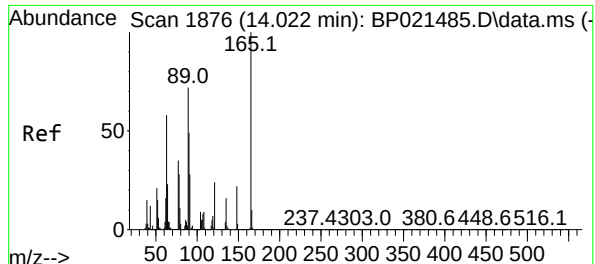
Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

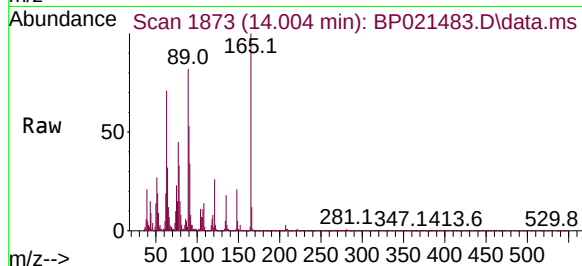
164 10.4 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 10.348 ng
RT: 14.004 min Scan# 1876
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

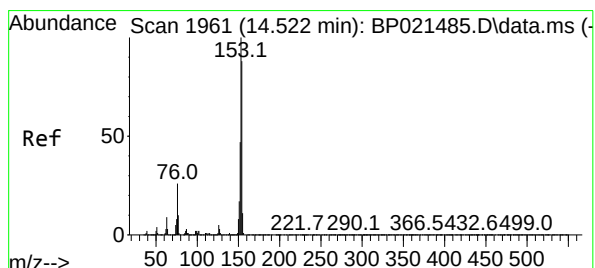
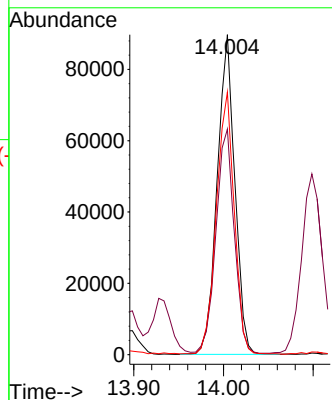
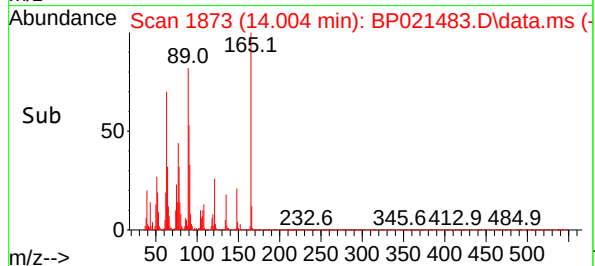
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 122230
Ion Ratio Lower Upper
165 100
63 70.5 51.5 77.3
89 82.1 57.8 86.8

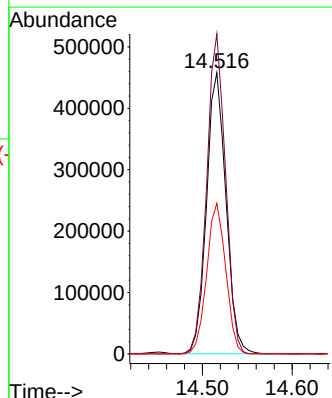
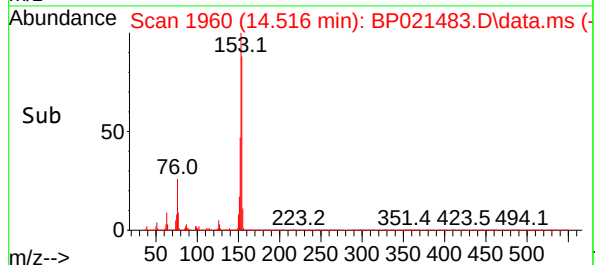
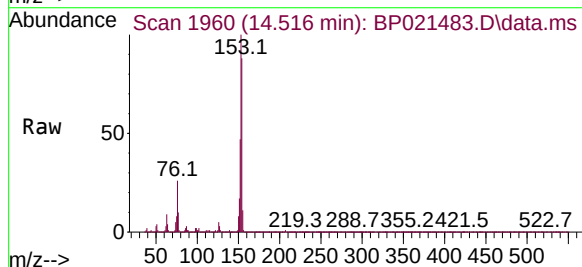
Manual Integrations
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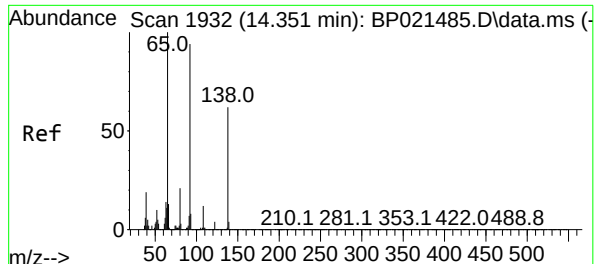
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1932

Delta R.T. -0.023 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion:138 Resp: 120754

Ion Ratio Lower Upper

138 100

108 34.8 16.2 24.4

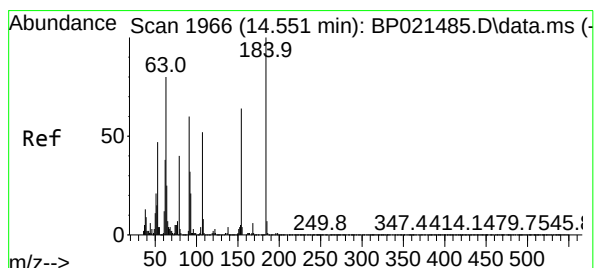
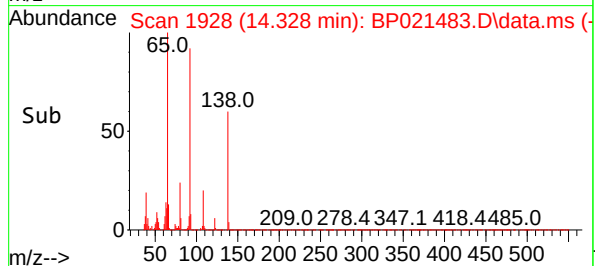
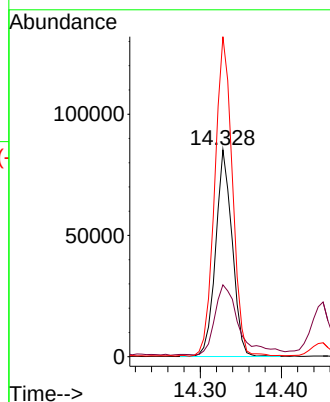
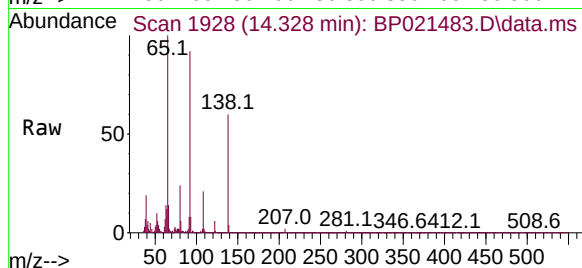
92 154.7 122.2 183.4

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

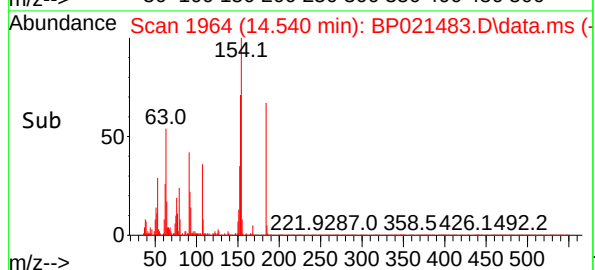
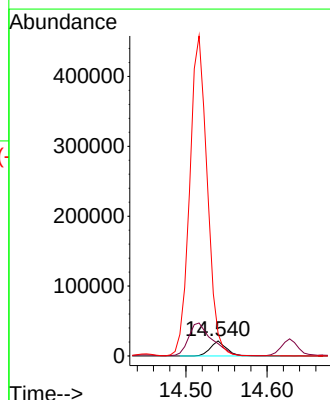
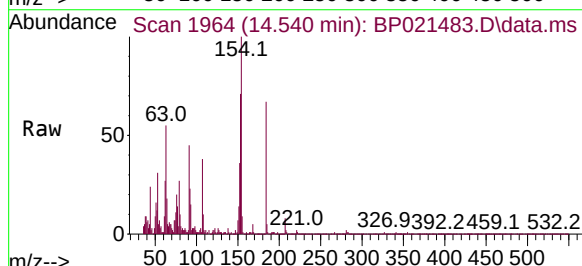
Tgt Ion:184 Resp: 29452

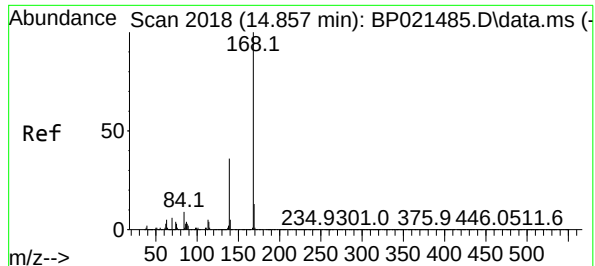
Ion Ratio Lower Upper

184 100

63 81.7 64.9 97.3

154 149.0 52.1 78.1





#55

Dibenzenofuran

Concen: 10.016 ng

RT: 14.851 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion:168 Resp: 106743

Ion Ratio Lower Upper

168 100

139 36.0 28.6 43.0

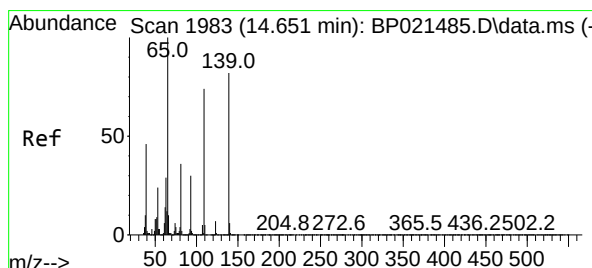
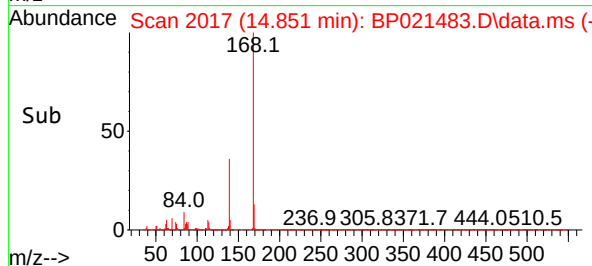
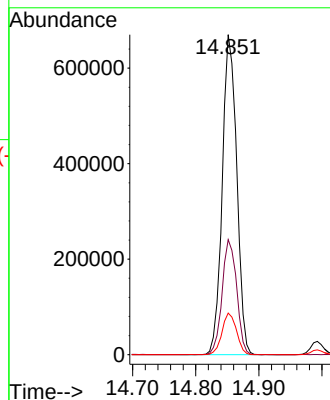
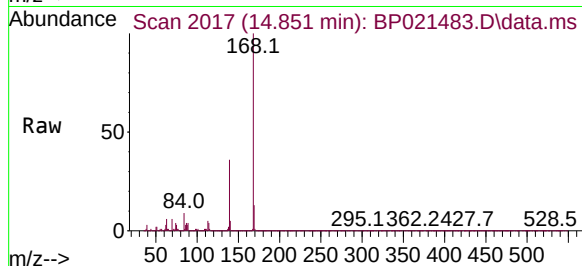
169 13.0 10.6 16.0

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

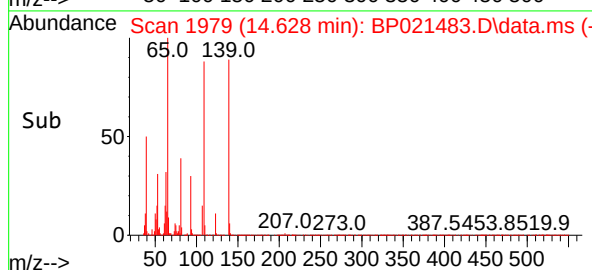
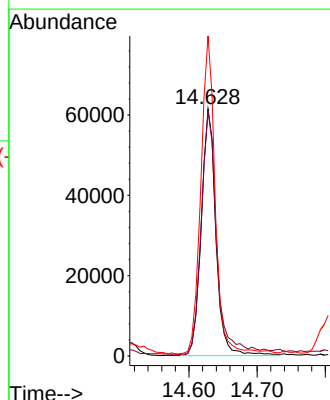
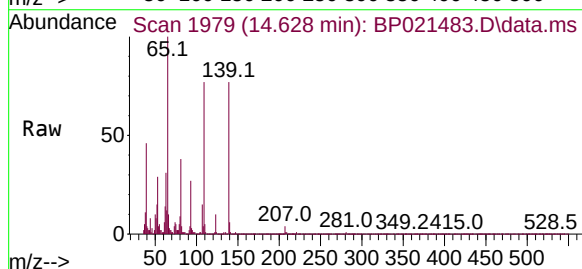
Tgt Ion:139 Resp: 91997

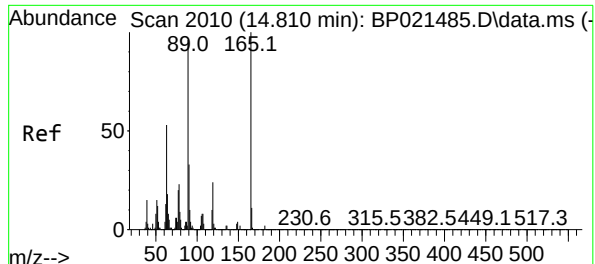
Ion Ratio Lower Upper

139 100

109 99.2 70.2 110.2

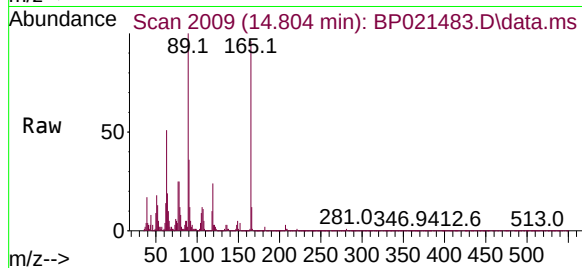
65 129.6 101.8 141.8





#57
2,4-Dinitrotoluene
Concen: 10.586 ng
RT: 14.804 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

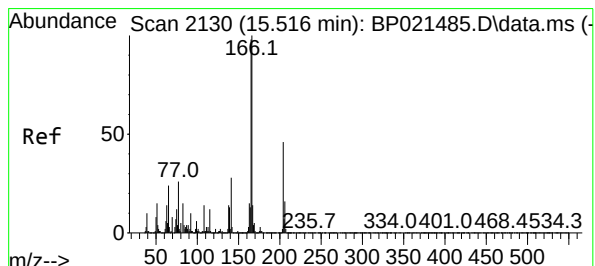
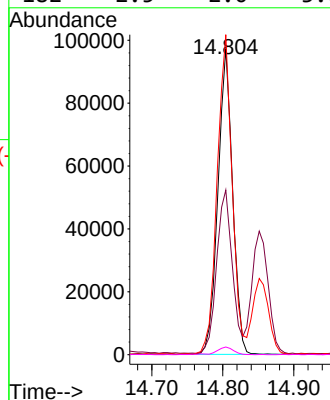
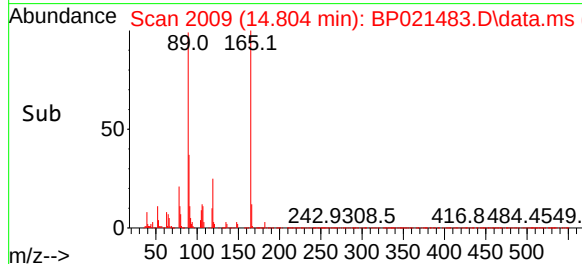
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



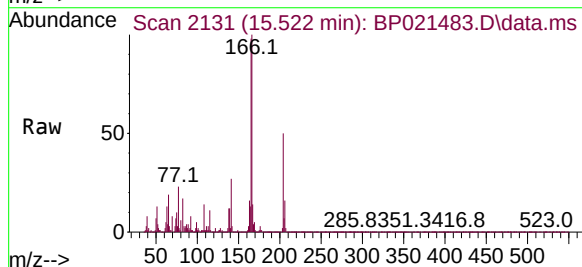
Tgt Ion:165 Resp: 139240
Ion Ratio Lower Upper
165 100
63 53.8 42.5 63.7
89 104.6 77.1 115.7
182 2.5 2.0 3.0

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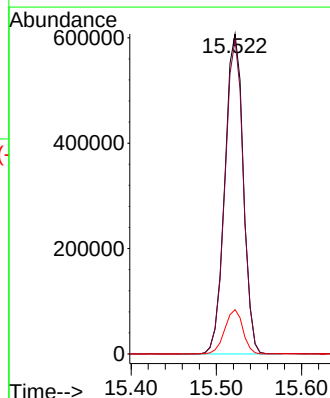
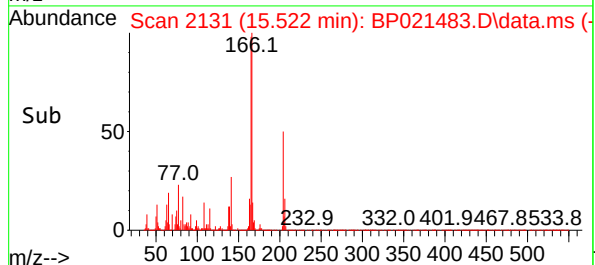
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

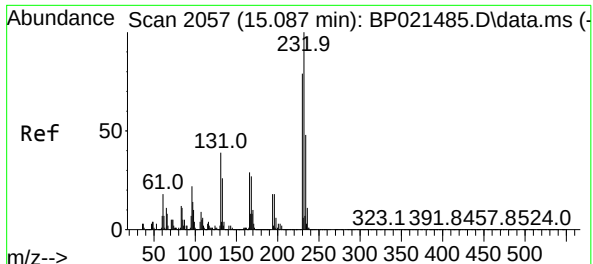


#58
Fluorene
Concen: 10.425 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59



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# 2055

Delta R.T. -0.012 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

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

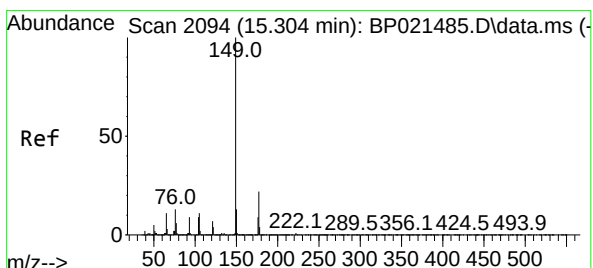
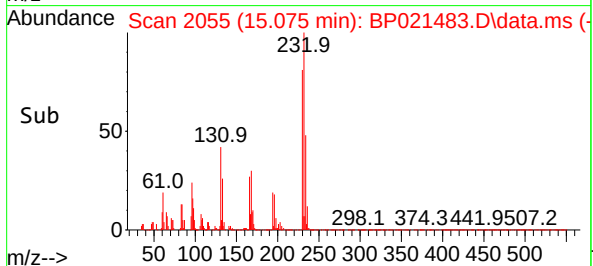
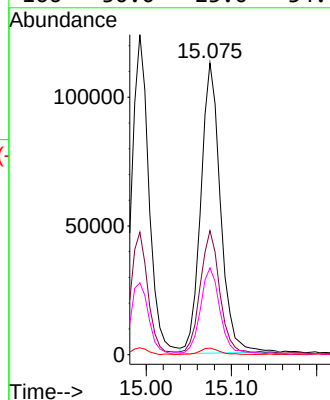
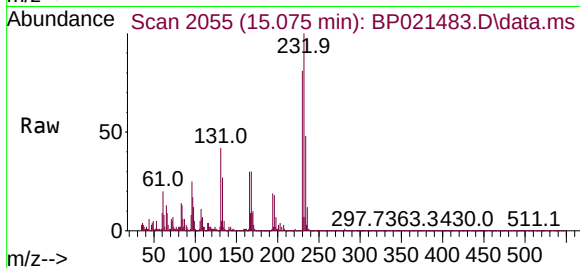
166 30.0 23.0 34.4

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

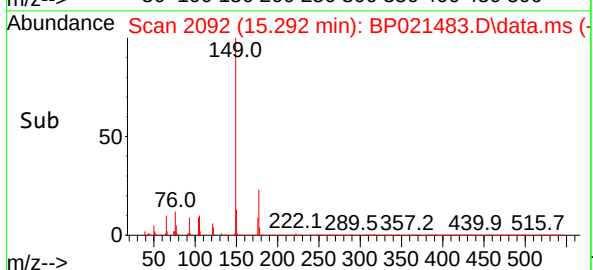
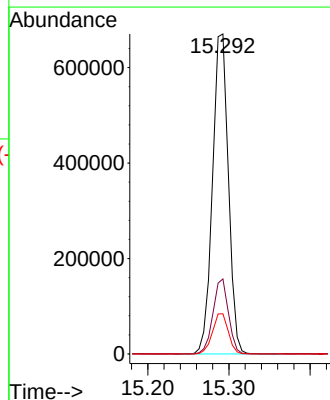
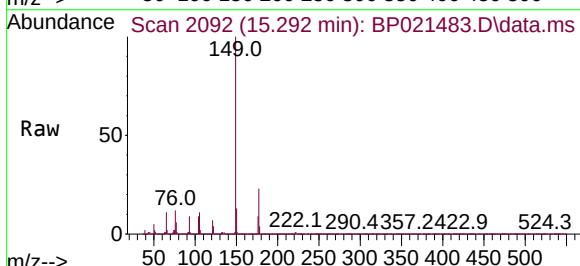
Tgt Ion:149 Resp: 909304

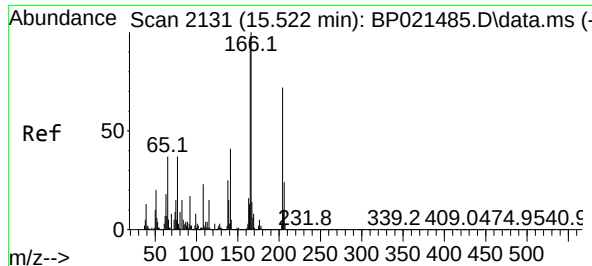
Ion Ratio Lower Upper

149 100

177 23.4 17.8 26.8

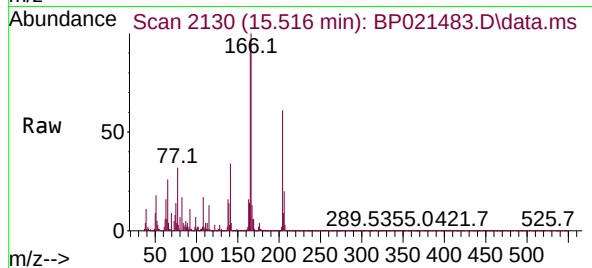
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 10.426 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

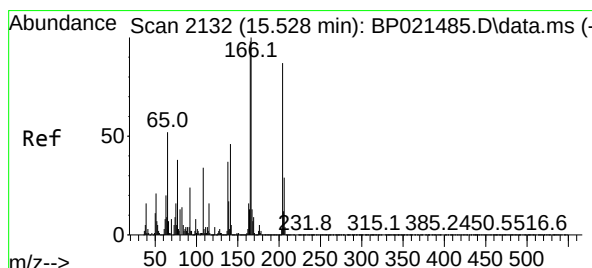
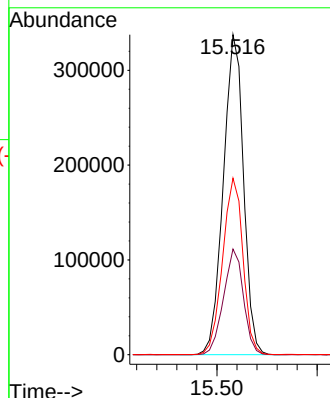
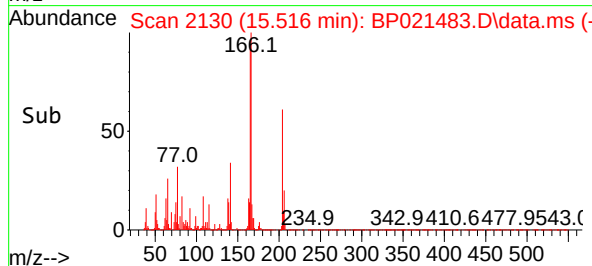
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



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

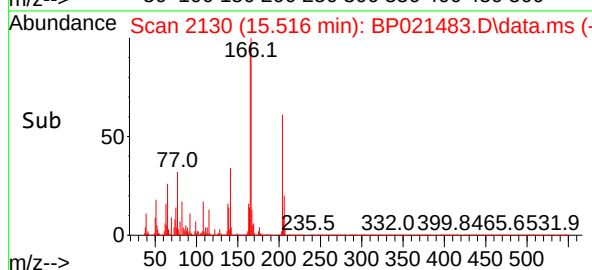
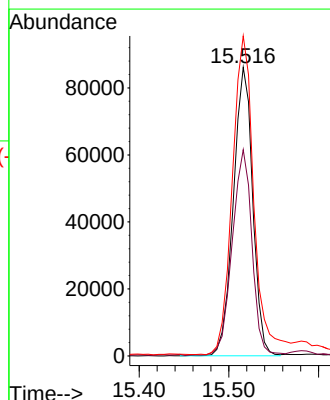
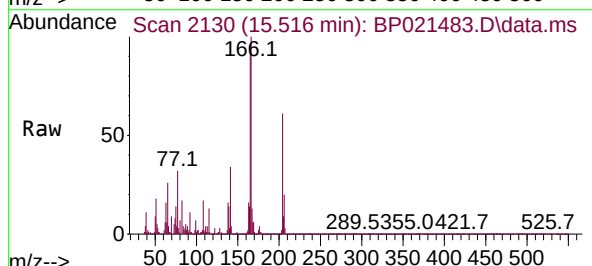
Manual Integrations
APPROVED

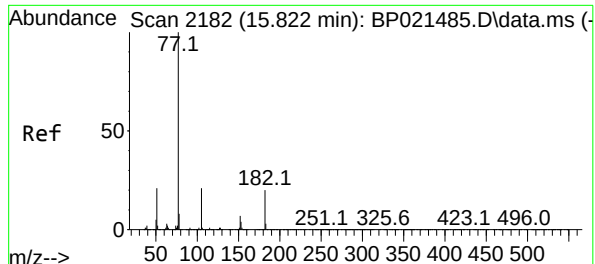
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#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





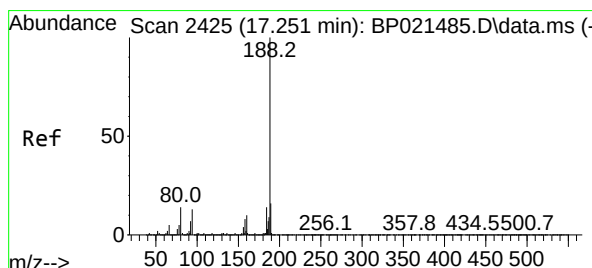
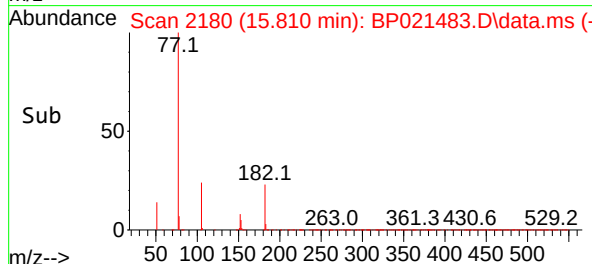
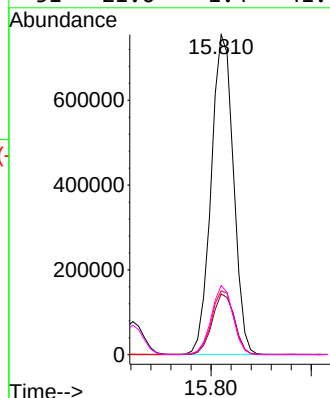
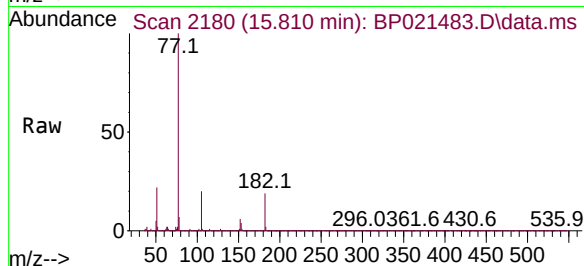
#63
Azobenzene
Concen: 10.529 ng
RT: 15.810 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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

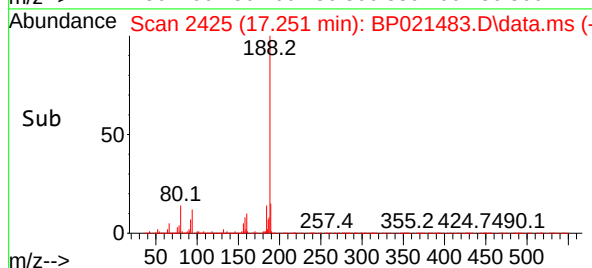
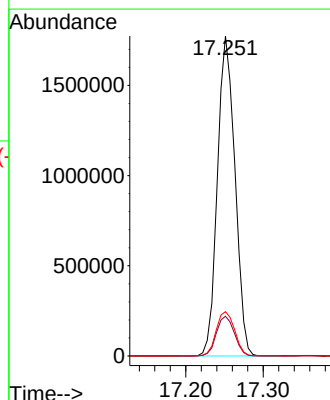
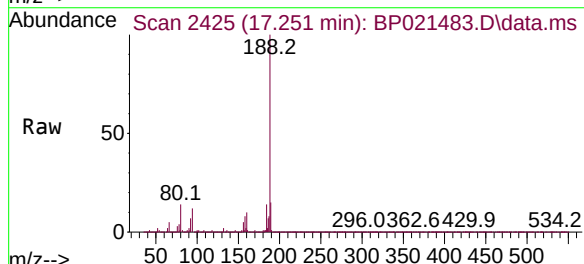
Manual Integrations
APPROVED

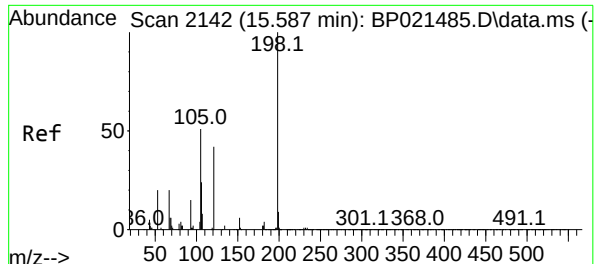
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. -0.000 min
Lab File: 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





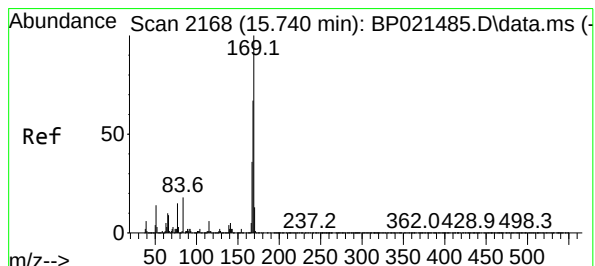
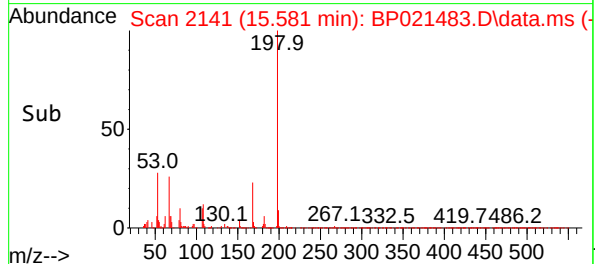
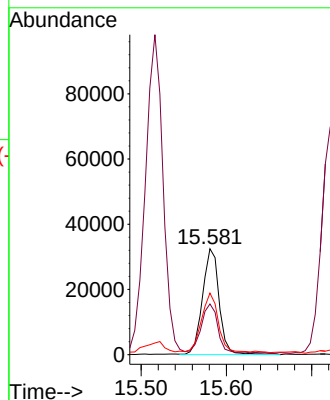
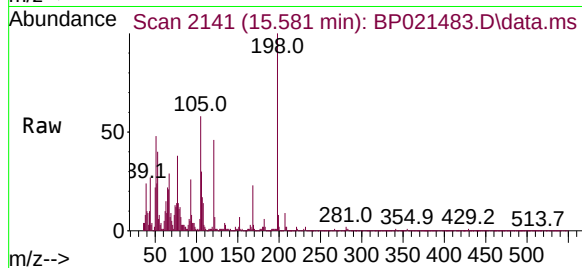
#65
4,6-Dinitro-2-methylphenol
Concen: 11.022 ng
RT: 15.581 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 44079
Ion Ratio Lower Upper
198 100
51 47.9 21.5 61.5
105 58.2 32.9 72.9

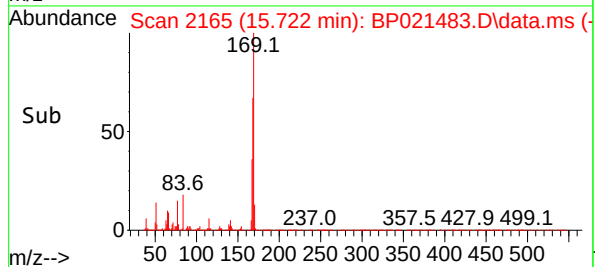
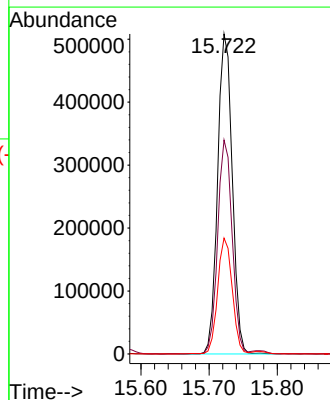
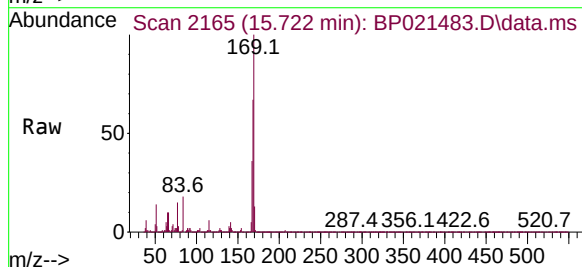
Manual Integrations
APPROVED

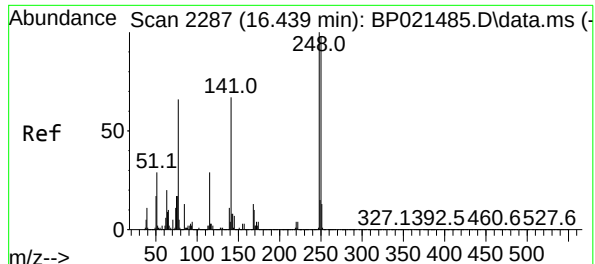
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 21

Delta R.T. -0.018 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

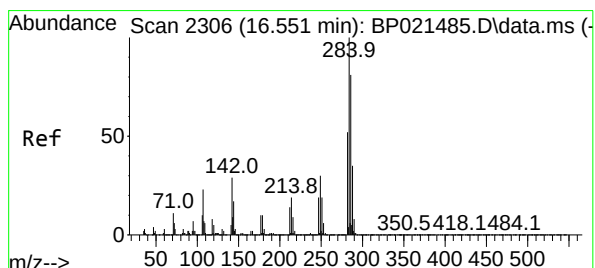
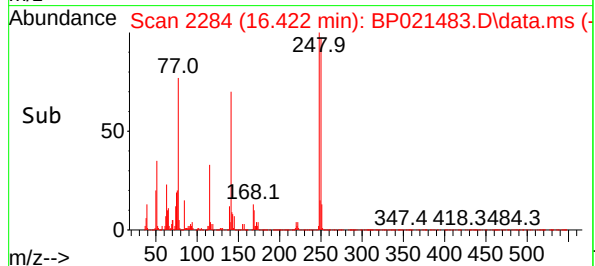
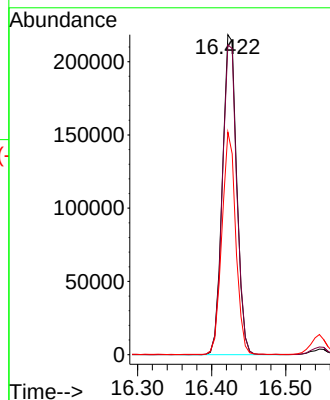
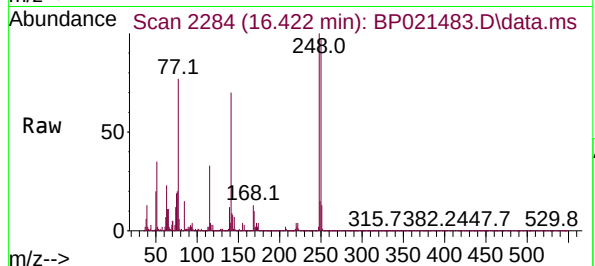
Tgt Ion:	248	Resp:	293464
Ion Ratio	Lower	Upper	
248	100		
250	96.8	78.6	117.8
141	69.6	53.9	80.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#68

Hexachlorobenzene

Concen: 9.938 ng

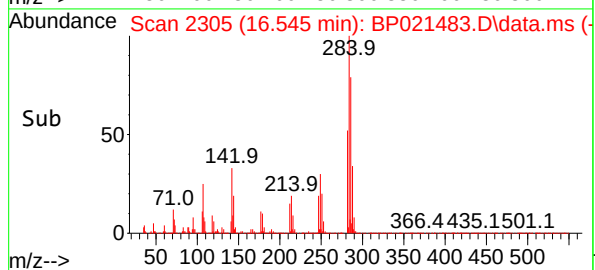
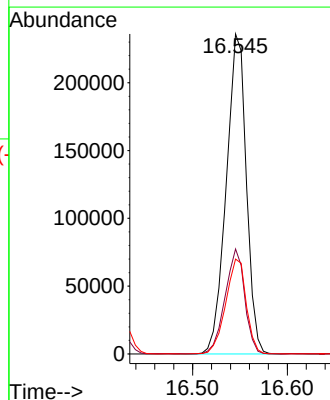
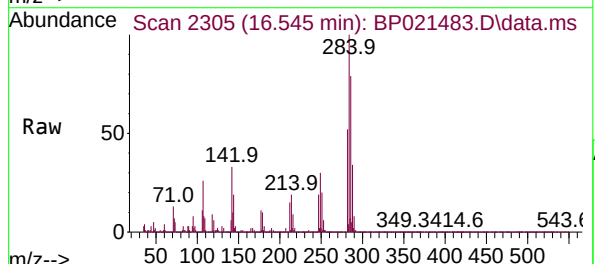
RT: 16.545 min Scan# 2305

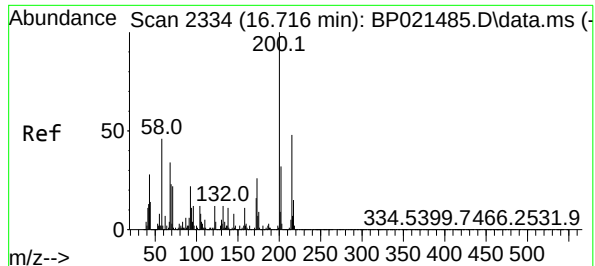
Delta R.T. -0.006 min

Lab File: BP021483.D

Acq: 13 Aug 2024 13:59

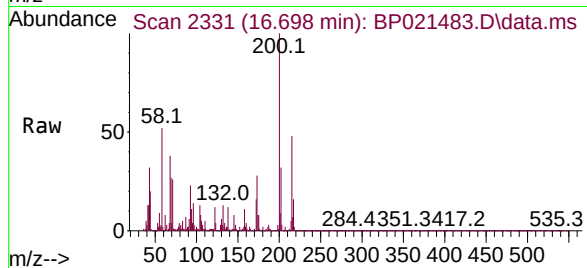
Tgt Ion:	284	Resp:	347933
Ion Ratio	Lower	Upper	
284	100		
142	32.8	23.4	35.2
249	29.7	24.1	36.1





#69
Atrazine
Concen: 10.106 ng
RT: 16.698 min Scan# 21
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

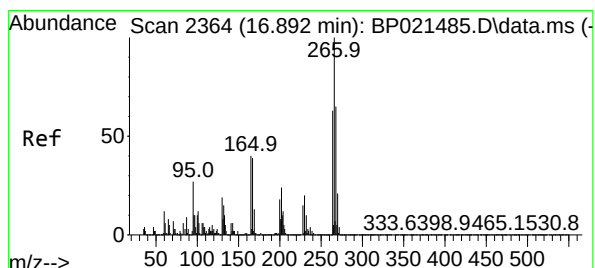
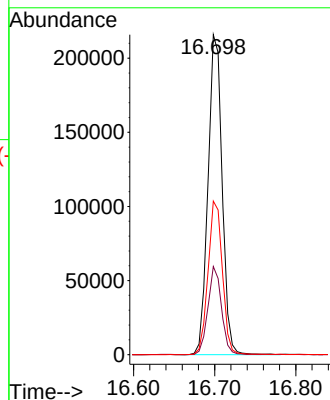
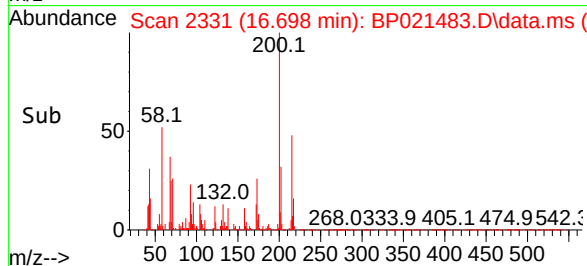
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



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

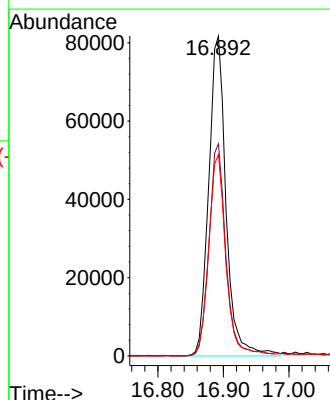
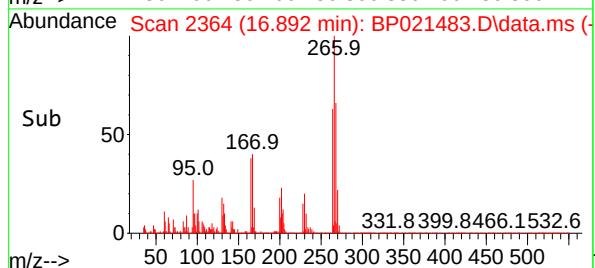
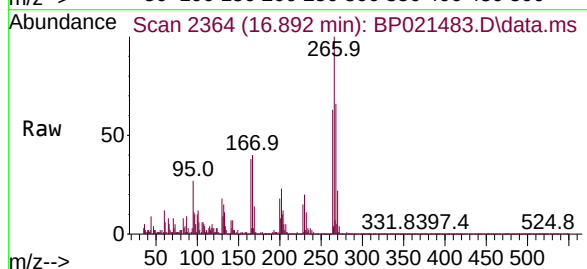
Manual Integrations
APPROVED

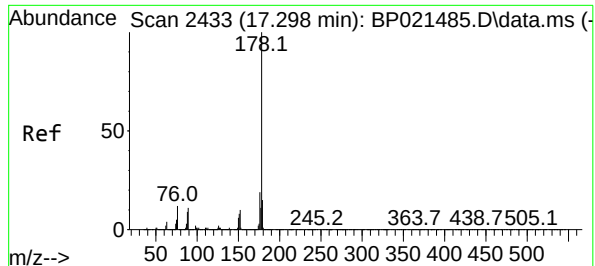
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

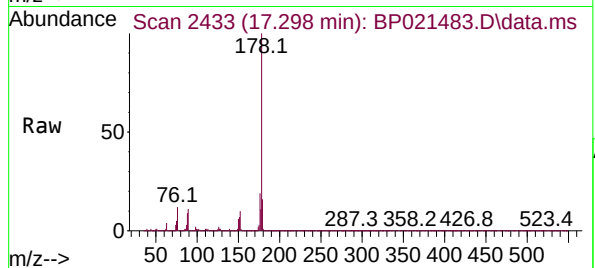
Tgt Ion:266 Resp: 150520
Ion Ratio Lower Upper
266 100
268 66.3 51.8 77.6
264 63.0 50.5 75.7





#71
Phenanthrene
Concen: 10.017 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

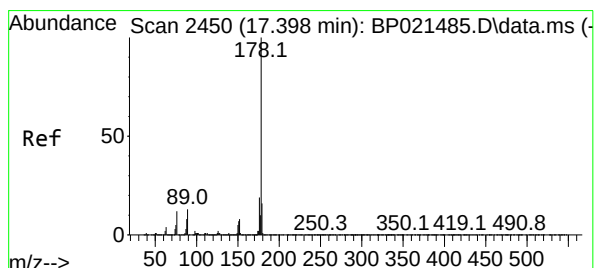
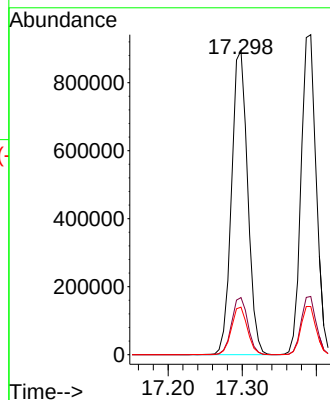
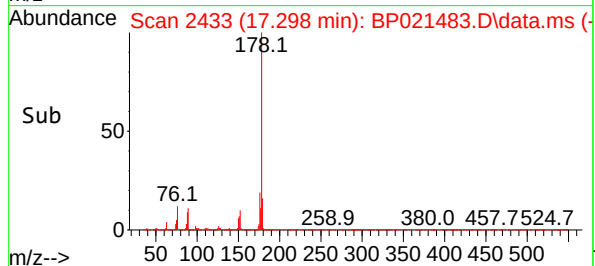
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion:178 Resp: 1348415
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 15.6 12.4 18.6

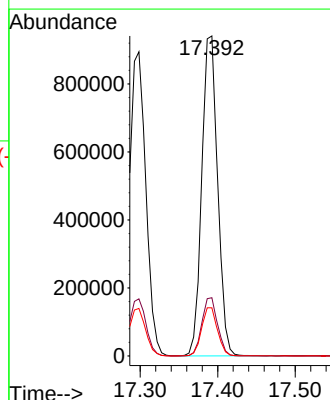
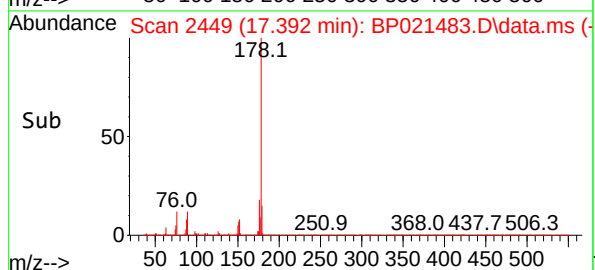
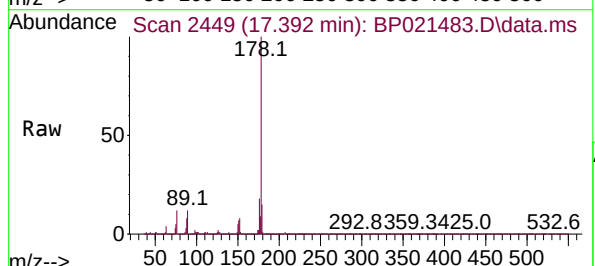
Manual Integrations
APPROVED

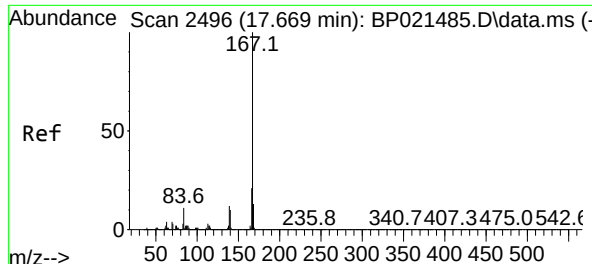
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

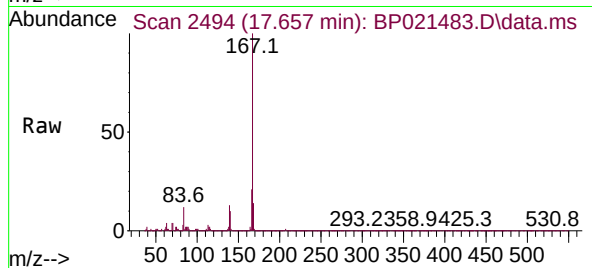
Tgt Ion:178 Resp: 1336422
Ion Ratio Lower Upper
178 100
176 18.2 14.9 22.3
179 15.0 12.5 18.7





#73
Carbazole
Concen: 9.966 ng
RT: 17.657 min Scan# 2494
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

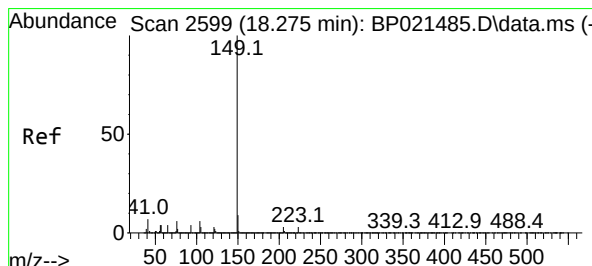
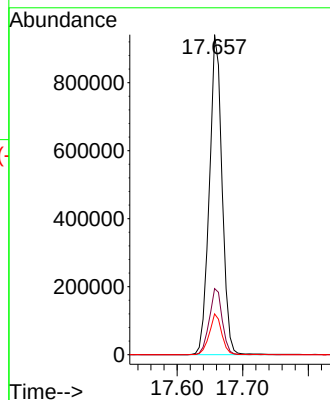
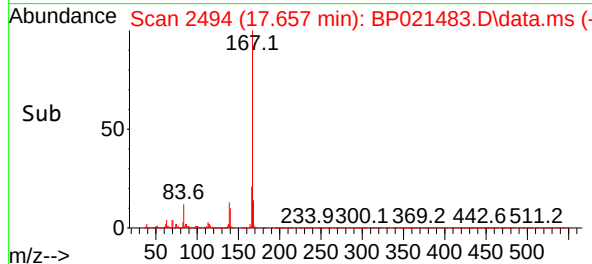
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion:167 Resp: 1267960
Ion Ratio Lower Upper
167 100
166 20.6 17.0 25.4
139 12.7 9.9 14.9

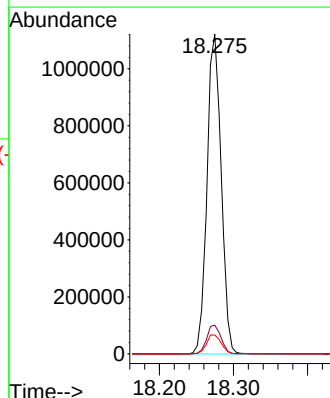
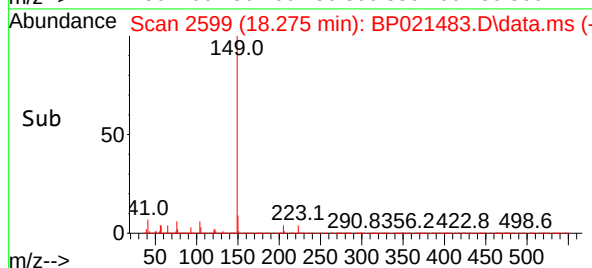
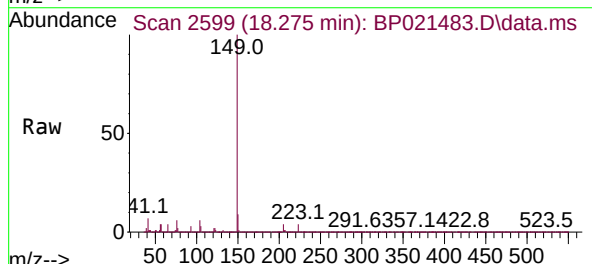
Manual Integrations
APPROVED

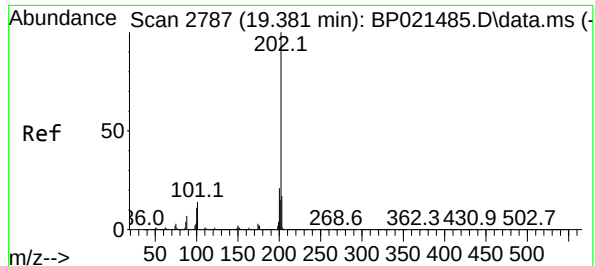
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

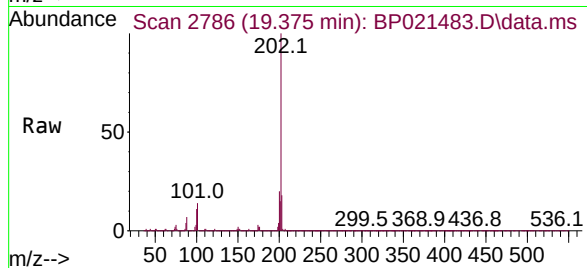
Tgt Ion:149 Resp: 1490471
Ion Ratio Lower Upper
149 100
150 9.0 7.5 11.3
104 6.0 4.9 7.3





#75
Fluoranthene
Concen: 9.769 ng
RT: 19.375 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

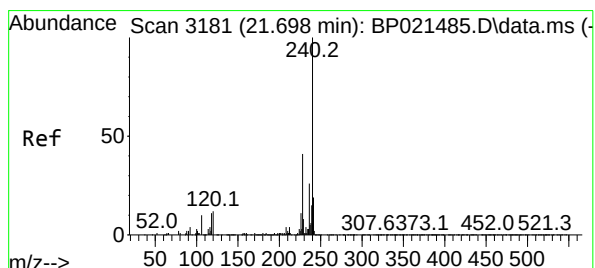
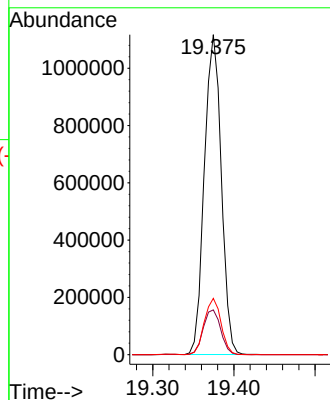
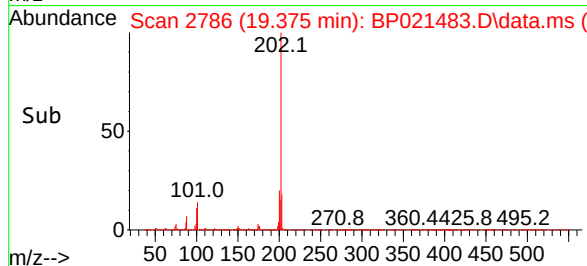
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



Tgt Ion:202 Resp: 1613504
Ion Ratio Lower Upper
202 100
101 14.0 0.0 34.0
203 17.6 0.0 37.5

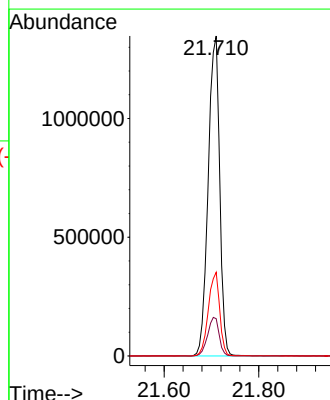
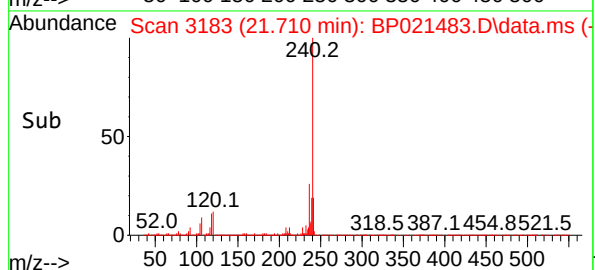
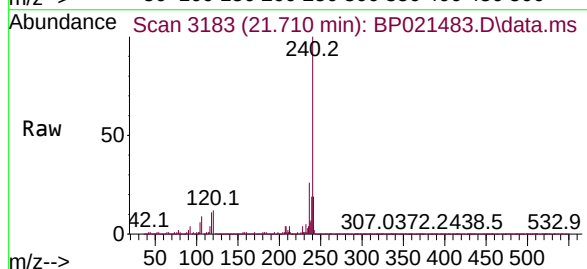
Manual Integrations
APPROVED

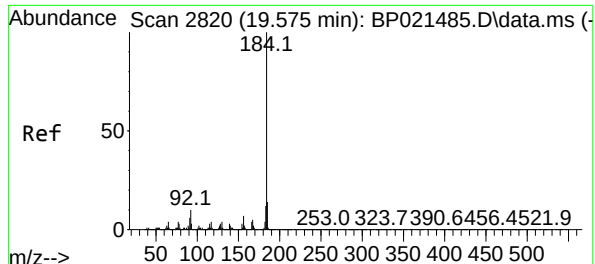
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





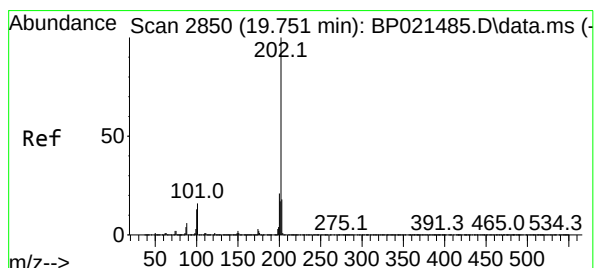
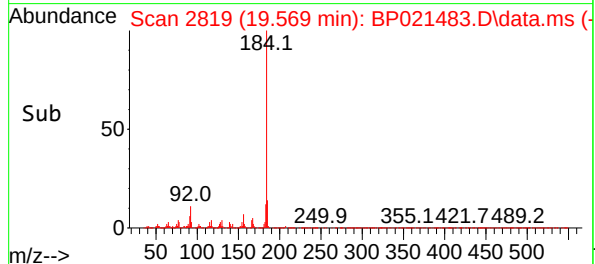
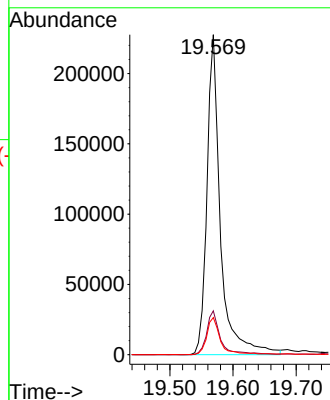
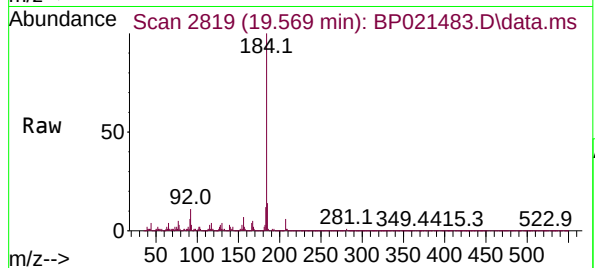
#77
Benzidine
Concen: 9.509 ng
RT: 19.569 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 336598
Ion Ratio Lower Upper
184 100
185 13.7 11.4 17.0
183 11.6 9.3 13.9

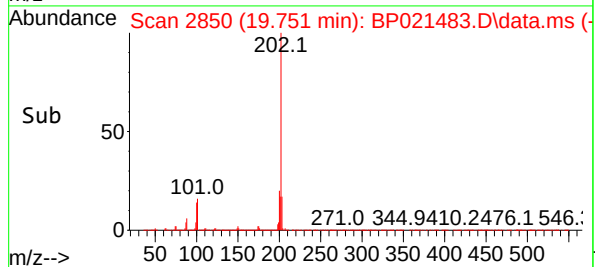
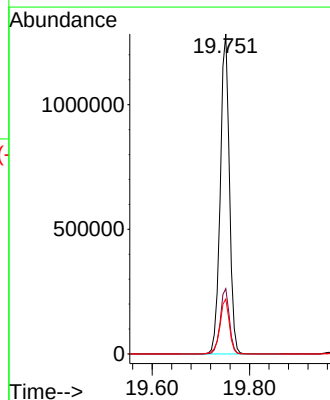
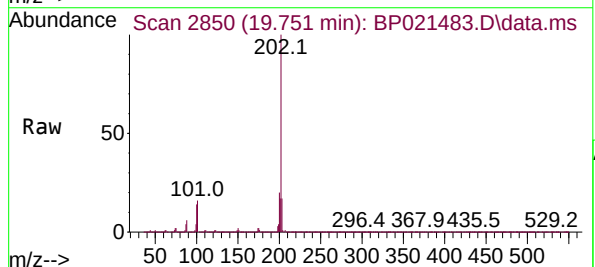
Manual Integrations
APPROVED

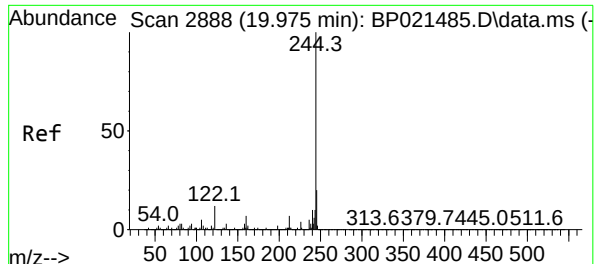
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





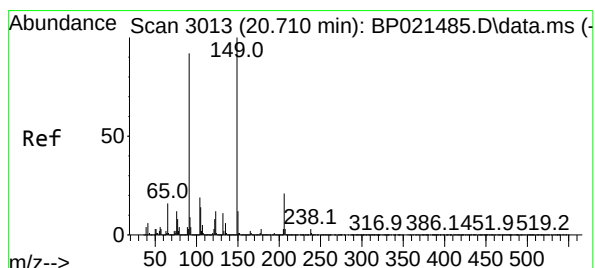
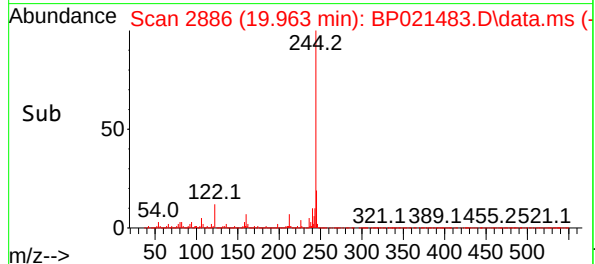
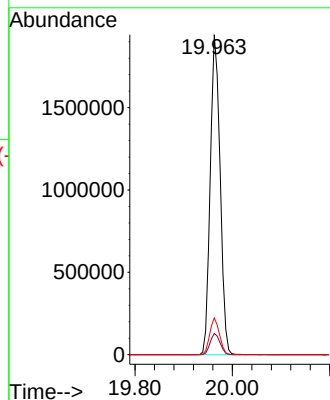
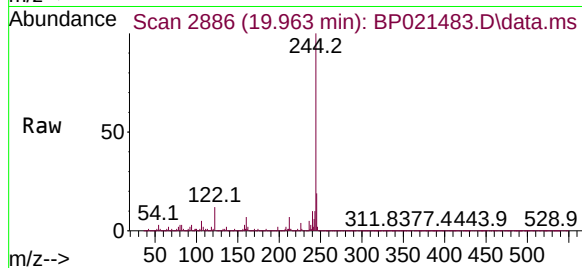
#79
Terphenyl-d14
Concen: 23.235 ng
RT: 19.963 min Scan# 2886
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 2713318
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 11.5 9.4 14.2

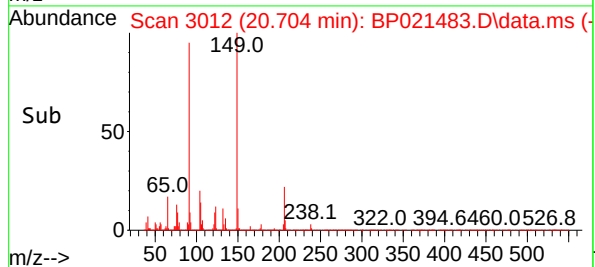
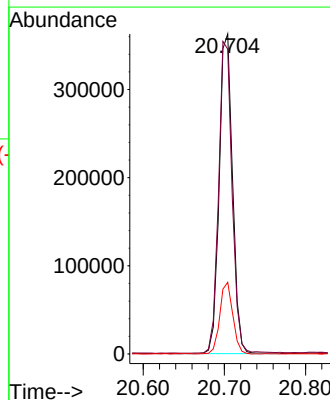
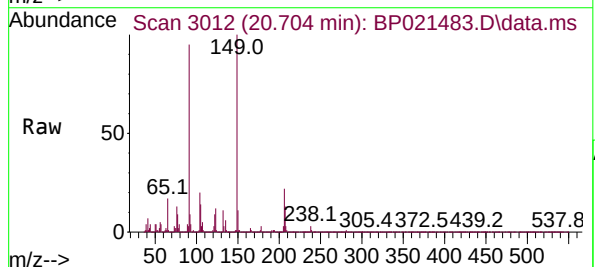
Manual Integrations
APPROVED

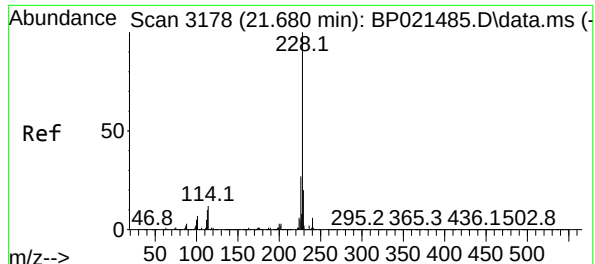
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

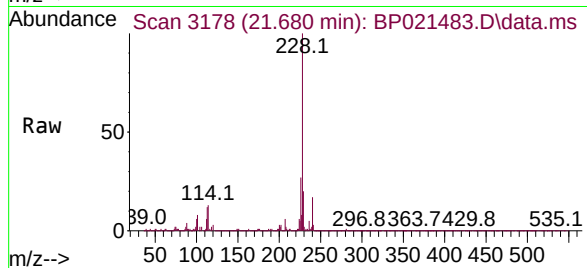
Tgt Ion:149 Resp: 414136
Ion Ratio Lower Upper
149 100
91 95.2 73.3 109.9
206 22.4 17.1 25.7





#81
Benzo(a)anthracene
Concen: 9.936 ng
RT: 21.680 min Scan# 3178
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

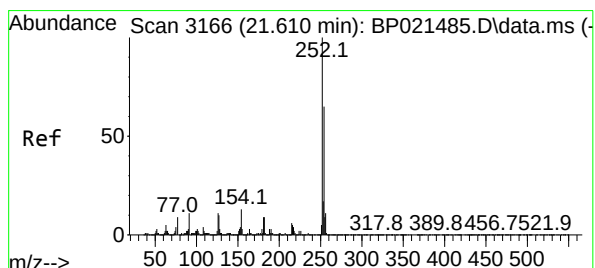
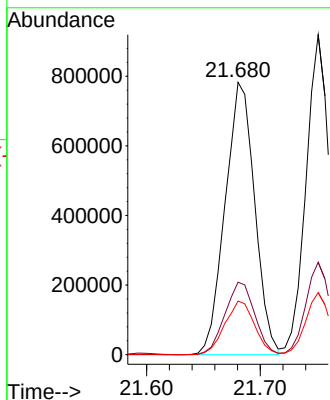
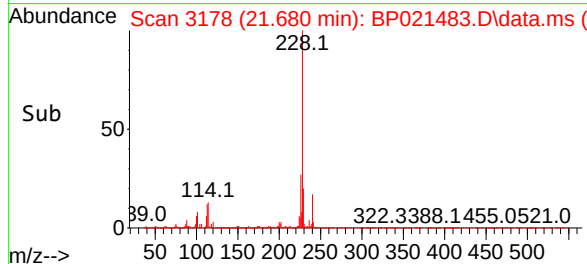
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



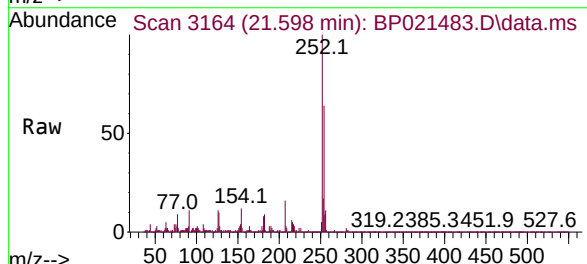
Tgt Ion:228 Resp: 141500
Ion Ratio Lower Upper
228 100
226 26.6 21.4 32.2
229 19.7 15.8 23.6

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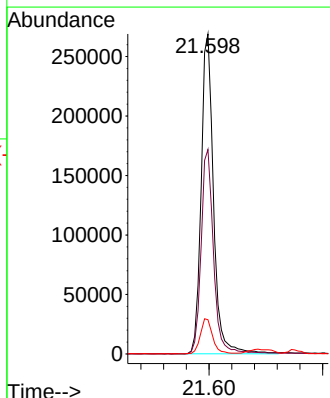
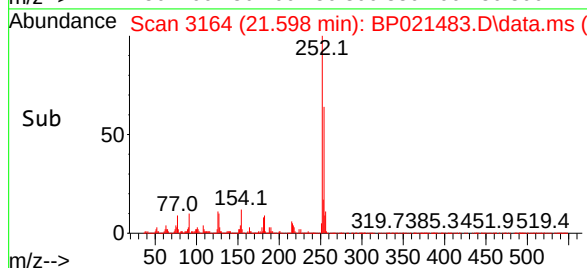
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

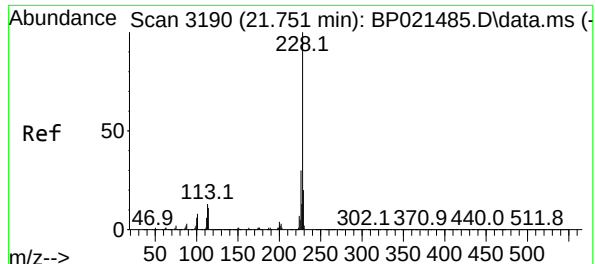


#82
3,3'-Dichlorobenzidine
Concen: 8.884 ng
RT: 21.598 min Scan# 3164
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59



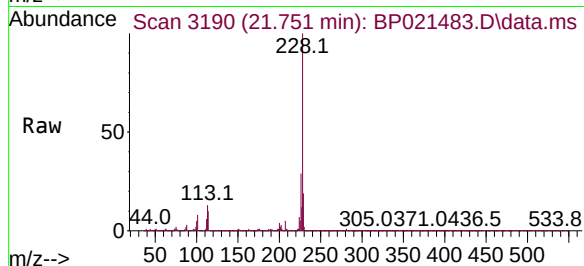
Tgt Ion:252 Resp: 405660
Ion Ratio Lower Upper
252 100
254 63.9 51.7 77.5
126 10.7 8.7 13.1





#83
Chrysene
Concen: 9.955 ng
RT: 21.751 min Scan# 3190
Delta R.T. -0.000 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

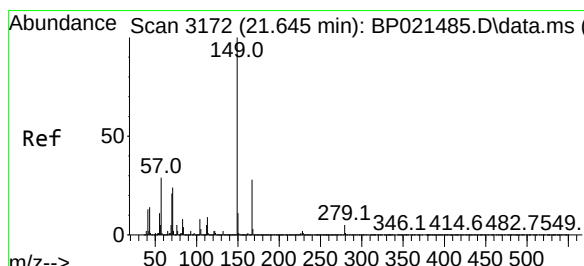
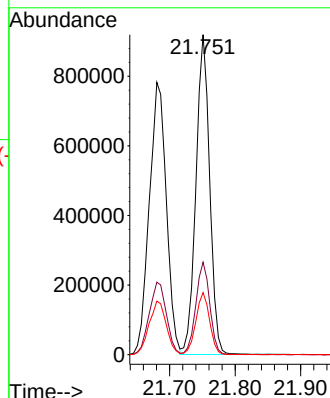
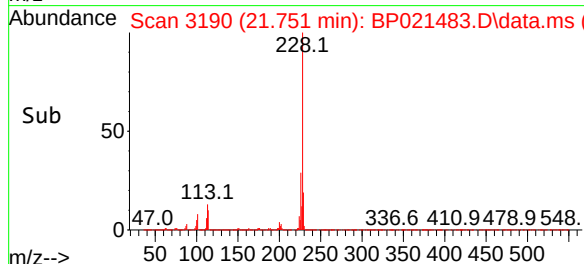
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



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

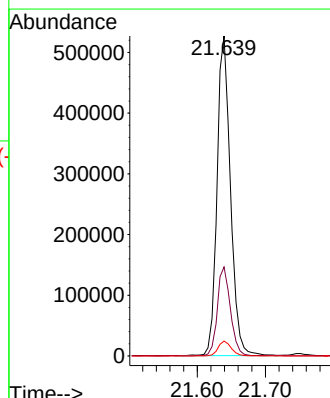
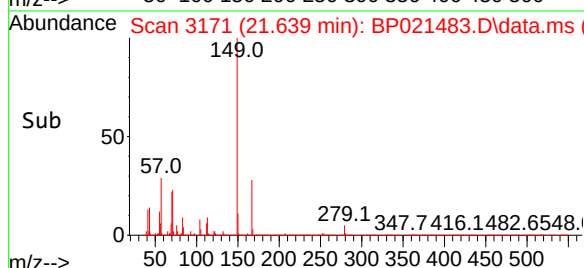
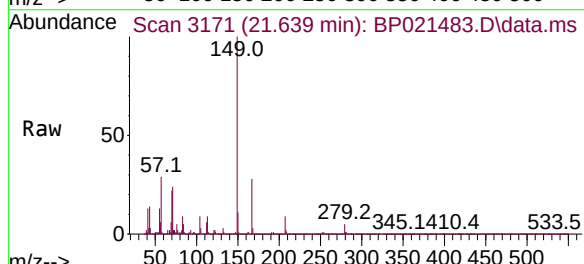
Manual Integrations
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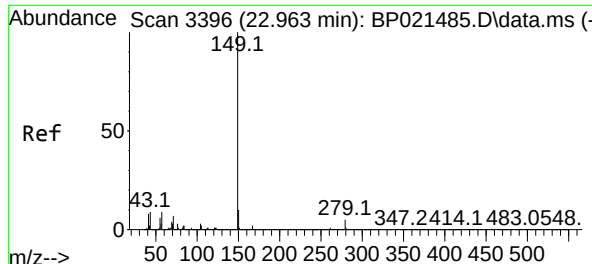
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

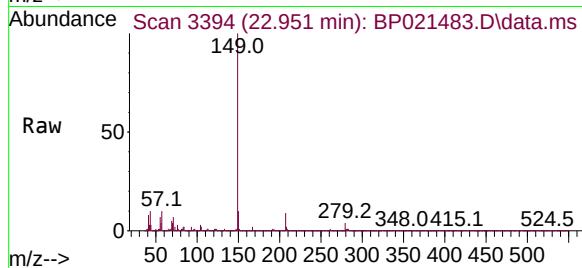
Tgt Ion:149 Resp: 720802
Ion Ratio Lower Upper
149 100
167 27.8 22.3 33.5
279 4.7 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 10.621 ng
RT: 22.951 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

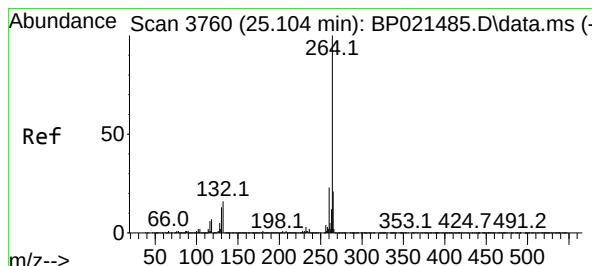
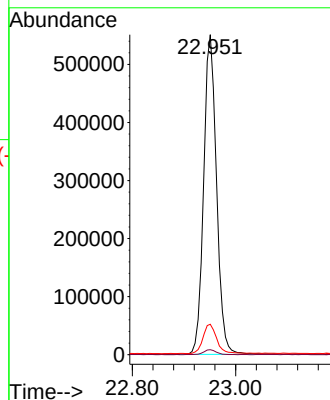
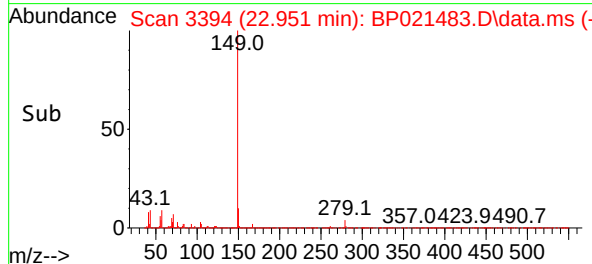
Instrument :
BNA_P
ClientSampleId :
SSTDICC010



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

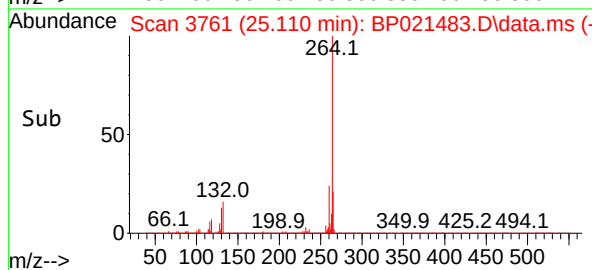
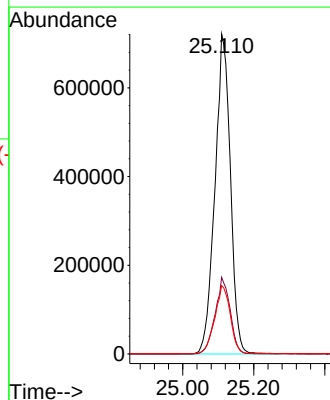
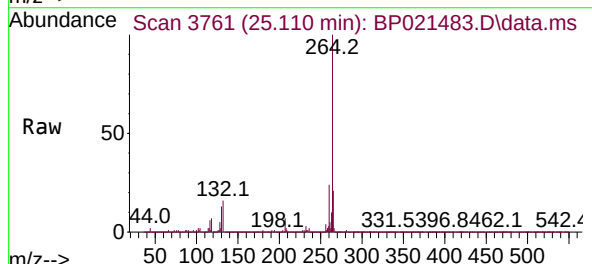
Manual Integrations
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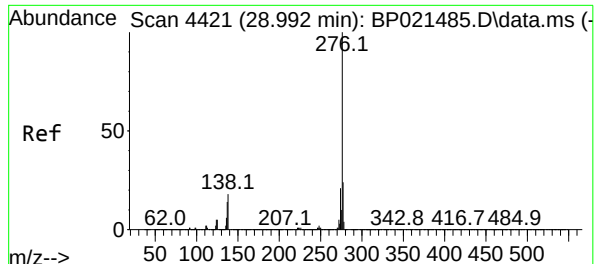
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.110 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





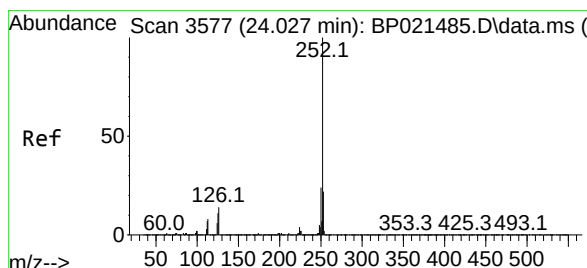
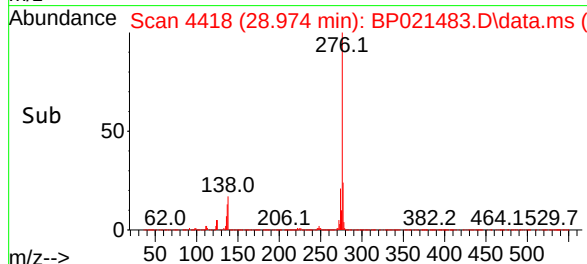
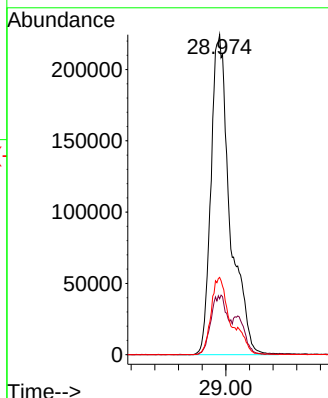
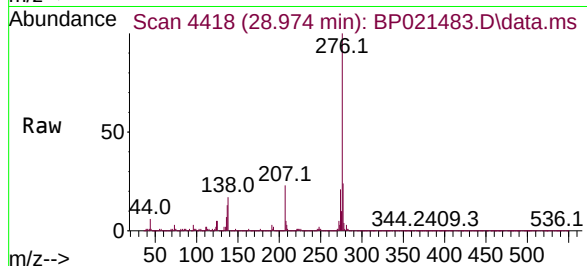
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.917 ng
RT: 28.974 min Scan# 4421
Delta R.T. -0.018 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Tgt Ion: 276 Resp: 1255320
Ion Ratio Lower Upper
276 100
138 16.6 12.8 19.2
277 21.5 16.5 24.7

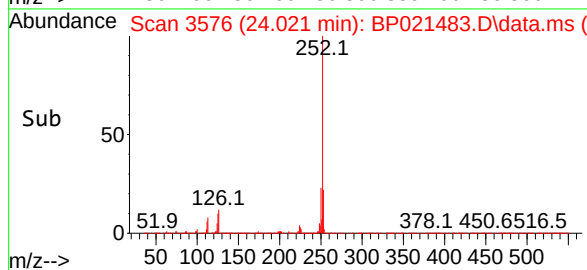
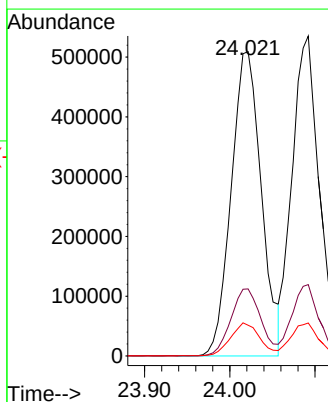
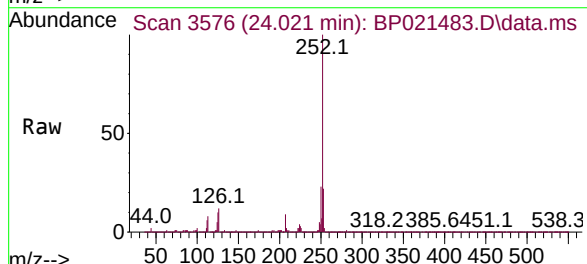
Manual Integrations
APPROVED

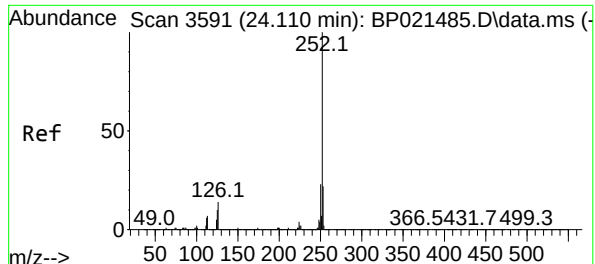
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

Instrument :

BNA_P

ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 1195420

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

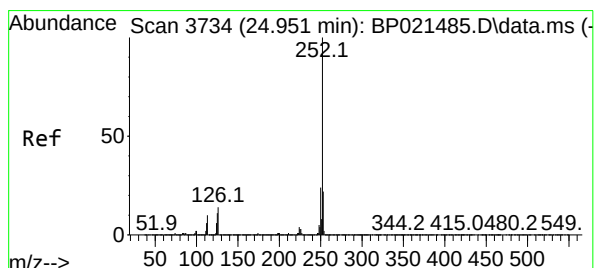
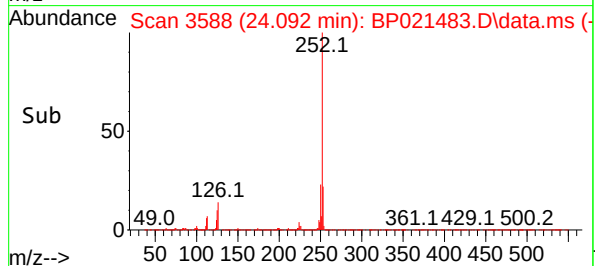
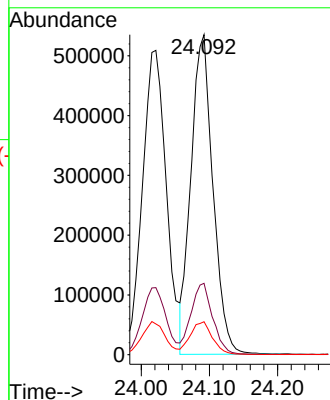
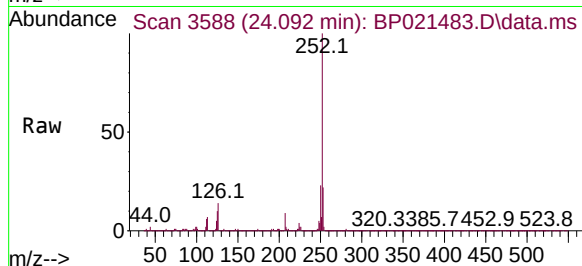
125 10.3 7.8 11.8

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

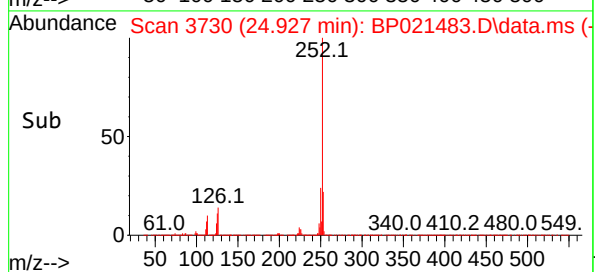
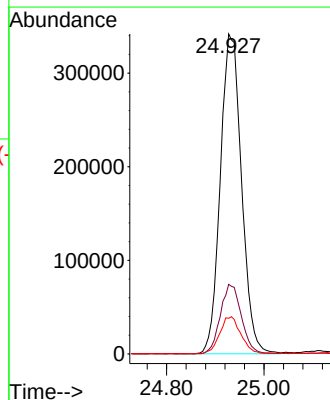
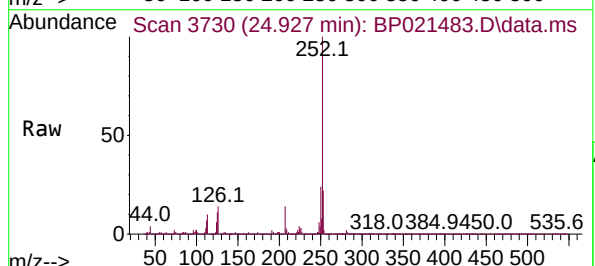
Tgt Ion:252 Resp: 1035462

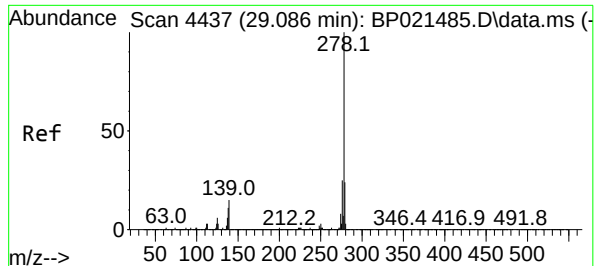
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 11.2 8.7 13.1





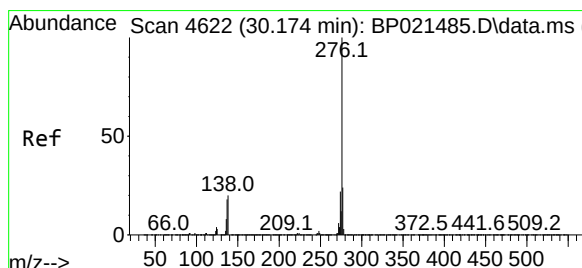
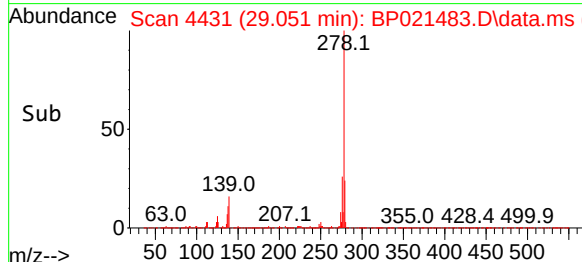
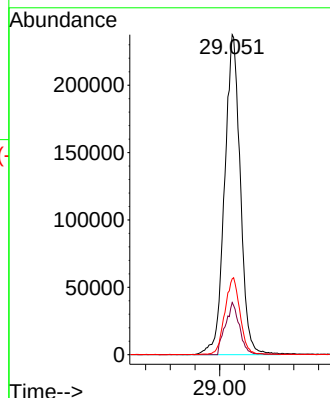
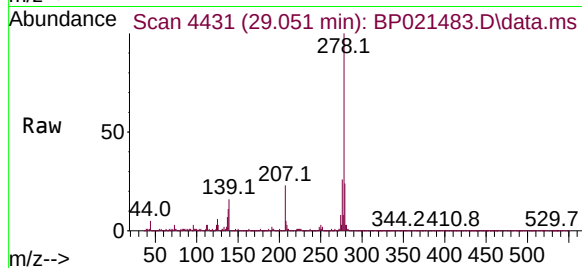
#91
Dibenzo(a,h)anthracene
Concen: 8.956 ng
RT: 29.051 min Scan# 4437
Delta R.T. -0.035 min
Lab File: BP021483.D
Acq: 13 Aug 2024 13:59

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

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

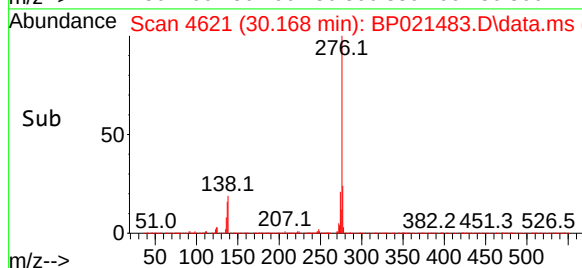
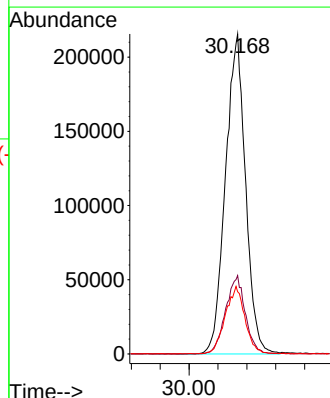
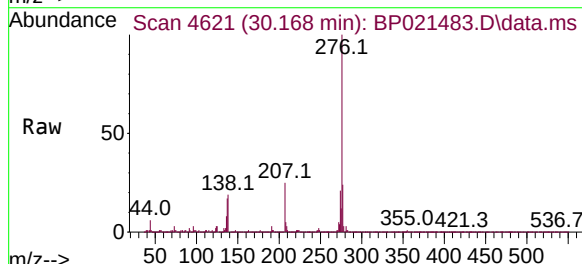
Manual Integrations
APPROVED

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

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)
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

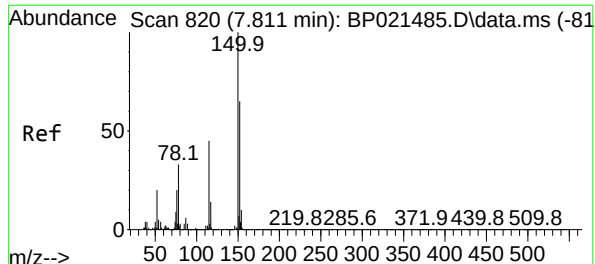
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

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





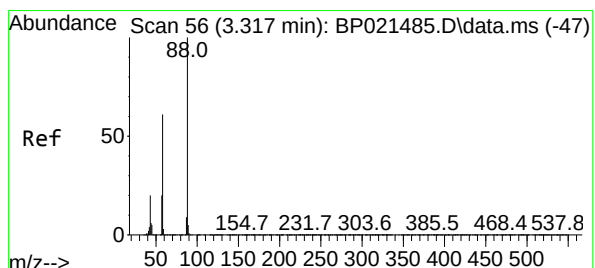
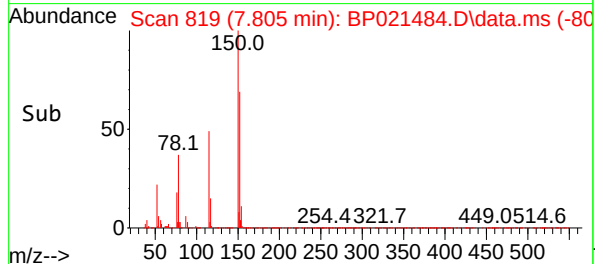
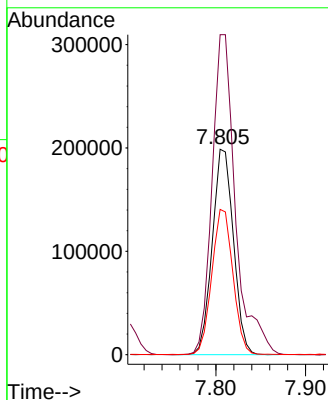
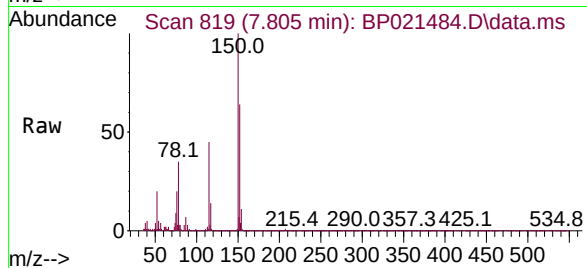
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 325874
Ion Ratio Lower Upper
152 100
150 155.8 122.4 183.6
115 70.7 54.7 82.1

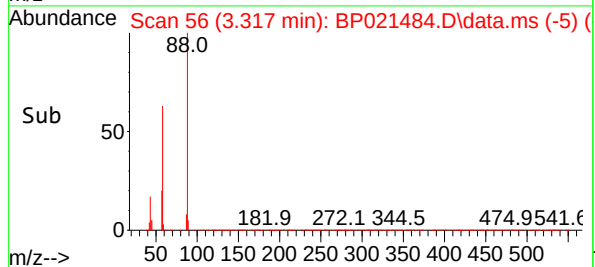
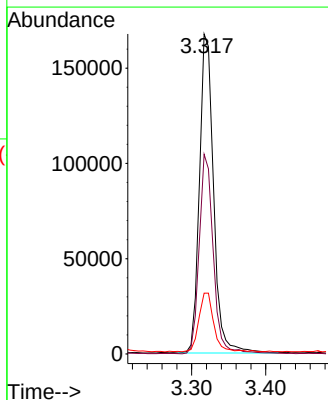
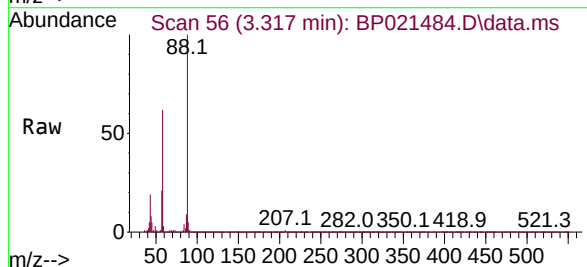
Manual Integrations
APPROVED

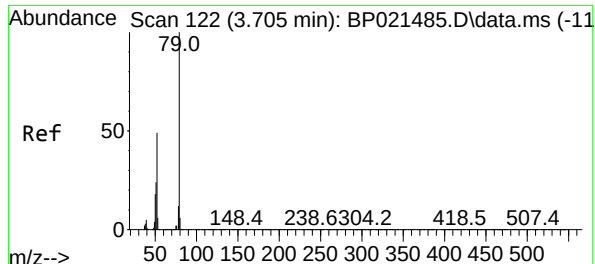
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

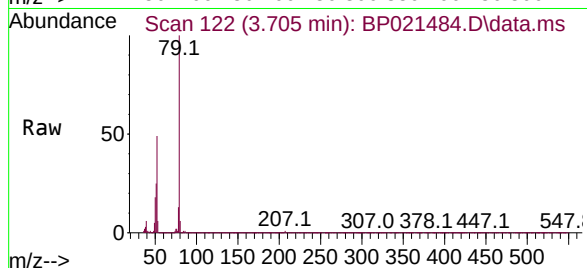
Tgt Ion: 88 Resp: 221781
Ion Ratio Lower Upper
88 100
58 62.4 48.7 73.1
43 19.4 15.4 23.2





#3
Pyridine
Concen: 21.477 ng
RT: 3.705 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

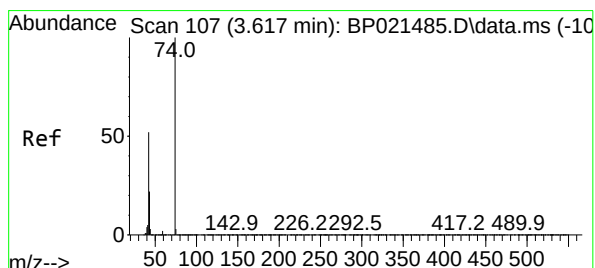
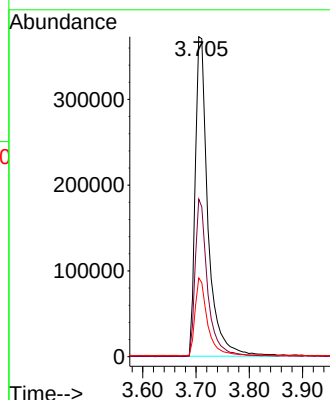
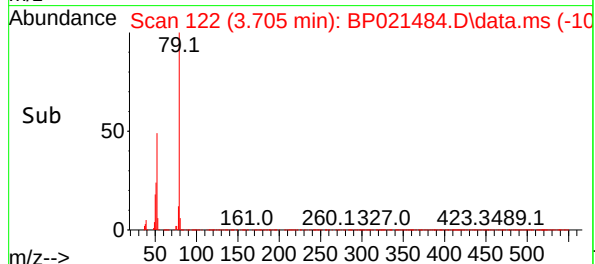
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion: 79 Resp: 62389
Ion Ratio Lower Upper
79 100
52 49.3 39.0 58.6
51 24.6 19.2 28.8

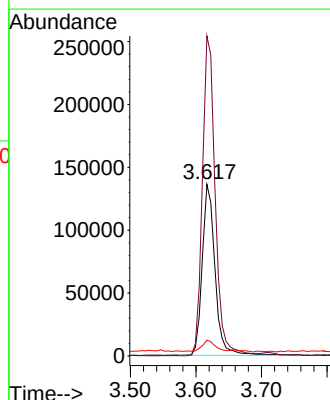
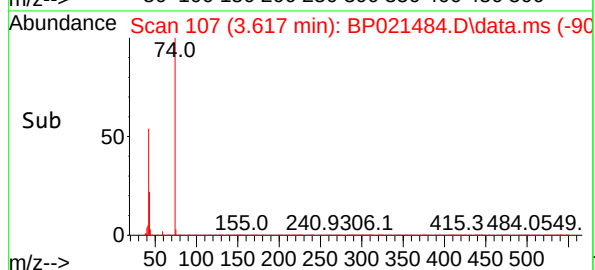
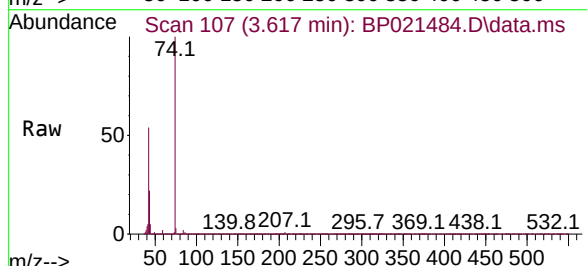
Manual Integrations
APPROVED

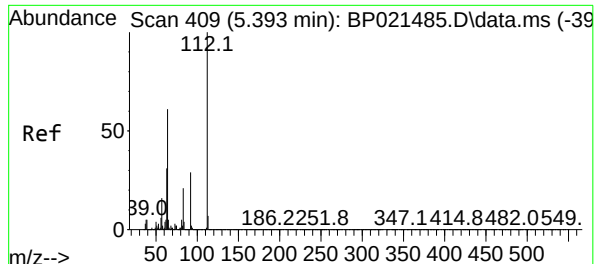
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





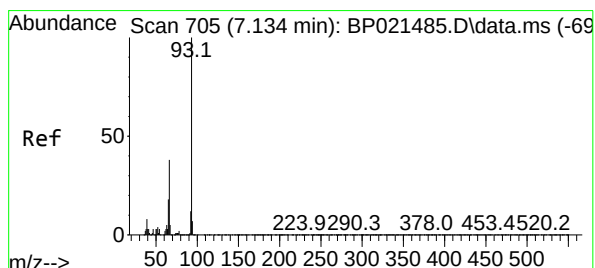
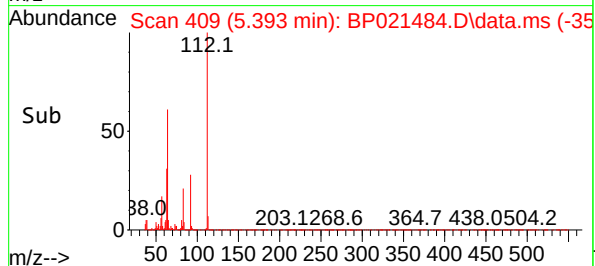
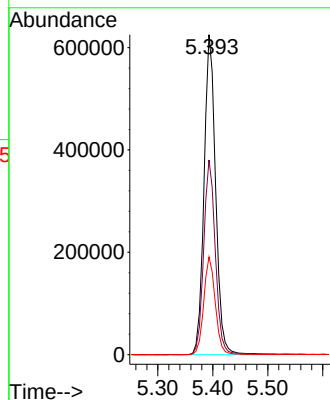
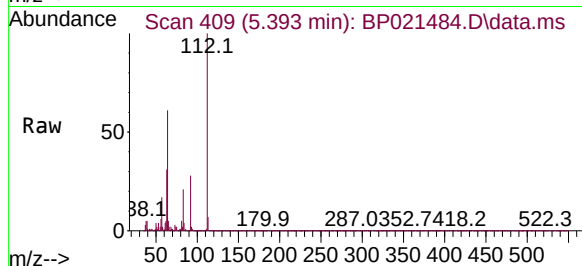
#5
2-Fluorophenol
Concen: 41.728 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :
BNA_P
Client Sample Id :
SSTDICC020

Tgt Ion: 112 Resp: 915778
Ion Ratio Lower Upper
112 100
64 60.9 49.0 73.6
63 30.6 24.6 36.8

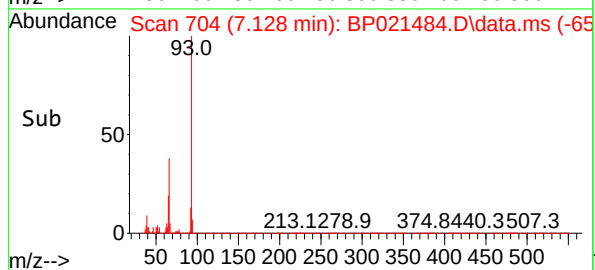
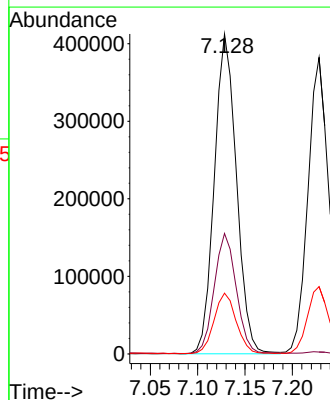
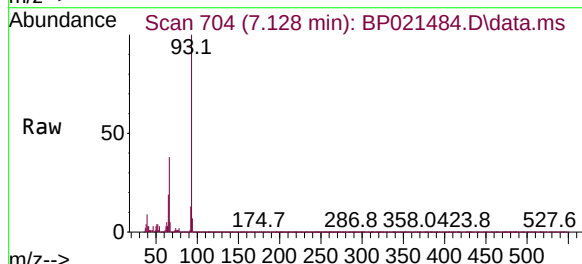
Manual Integrations
APPROVED

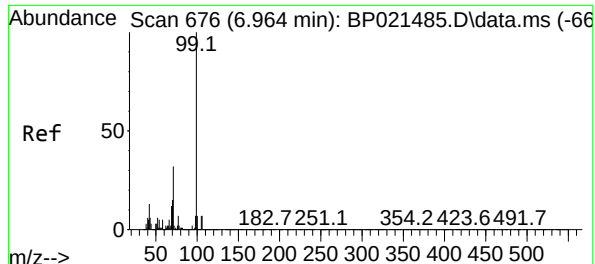
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 61

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion: 99 Resp: 1343954

Ion Ratio Lower Upper

99 100

42 13.2 10.2 15.4

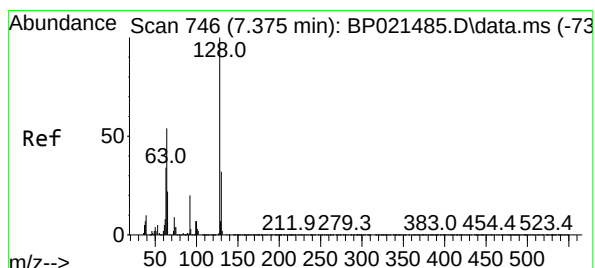
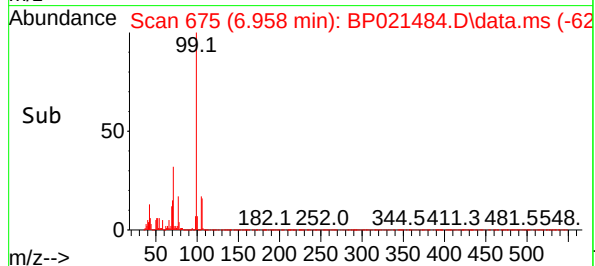
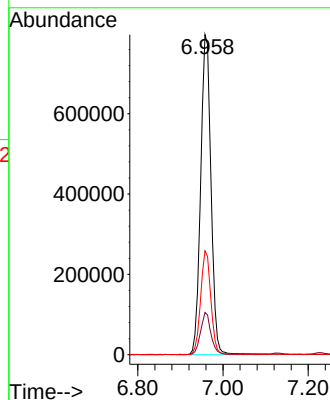
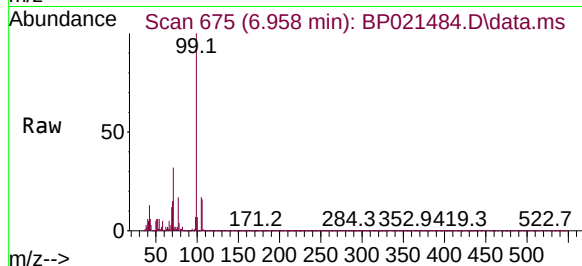
71 32.4 25.8 38.8

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

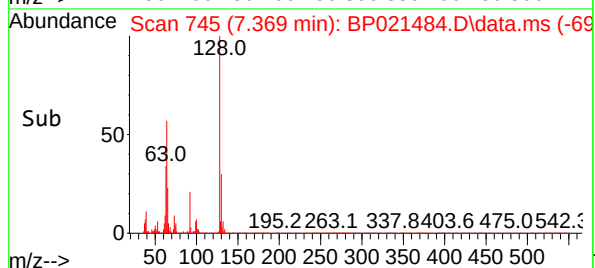
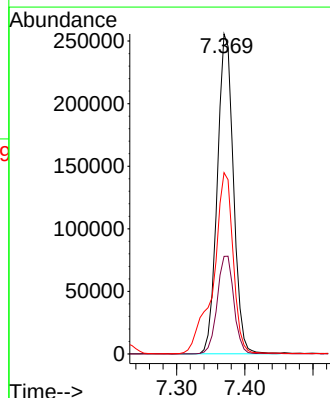
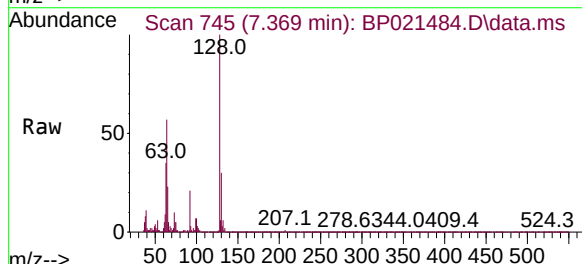
Tgt Ion:128 Resp: 420713

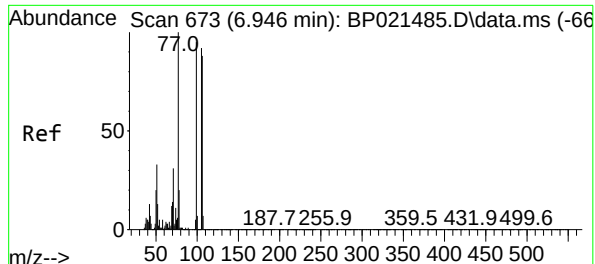
Ion Ratio Lower Upper

128 100

130 30.5 11.6 51.6

64 56.6 35.3 75.3





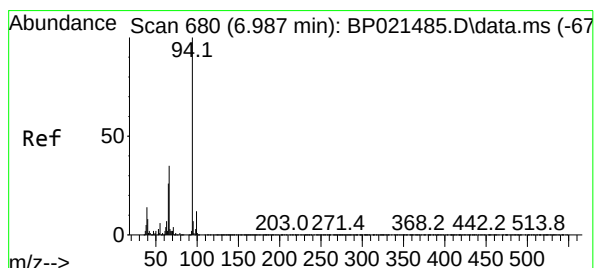
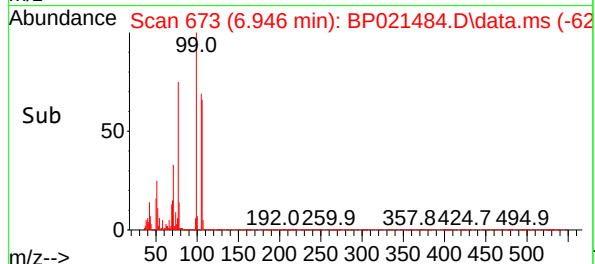
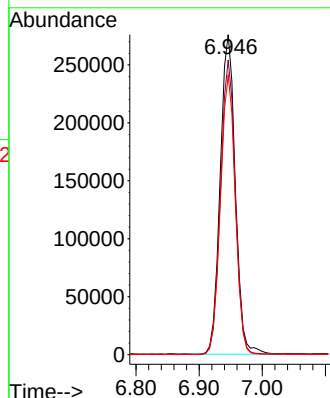
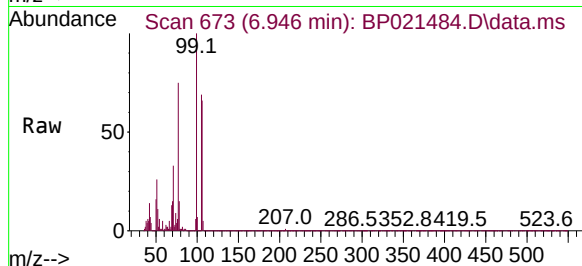
#9
Benzaldehyde
Concen: 22.400 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 459162
Ion Ratio Lower Upper
77 100
105 92.1 72.1 112.1
106 87.3 67.9 107.9

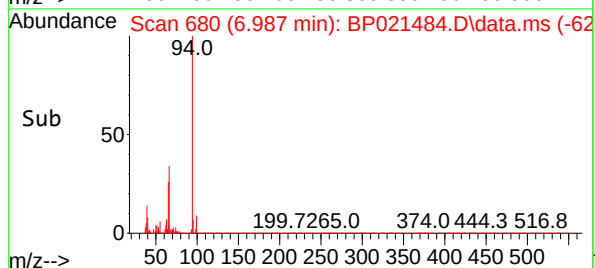
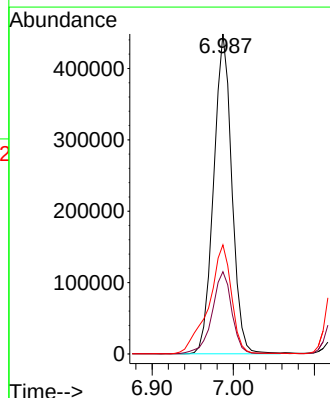
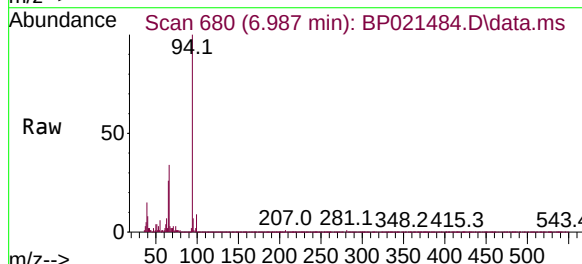
Manual Integrations
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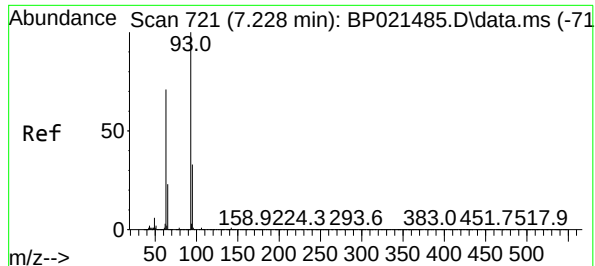
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 721

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion: 93 Resp: 582174

Ion Ratio Lower Upper

93 100

63 69.9 51.0 91.0

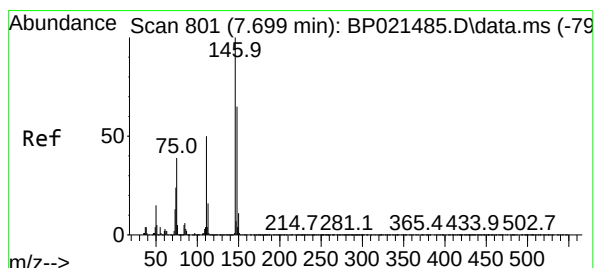
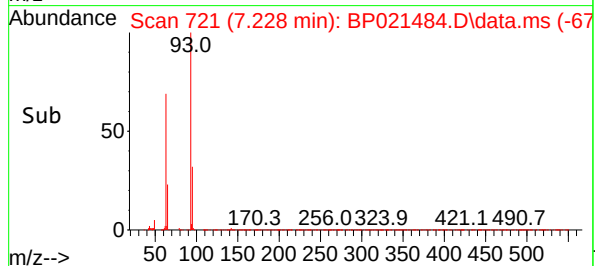
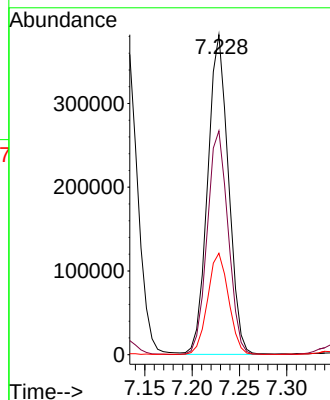
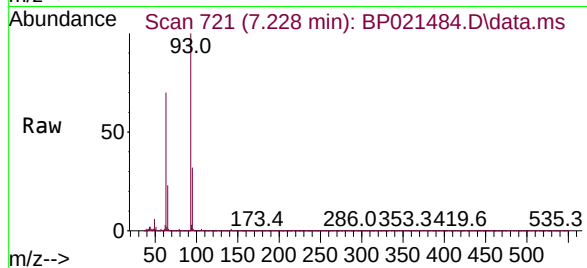
95 31.7 12.9 52.9

Manual Integrations

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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

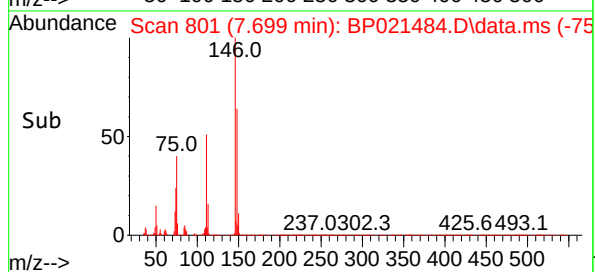
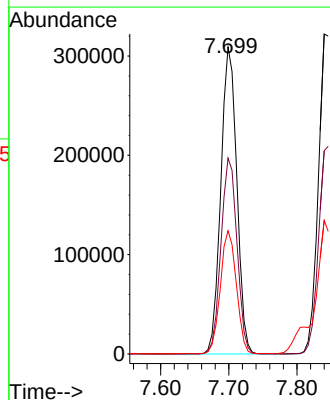
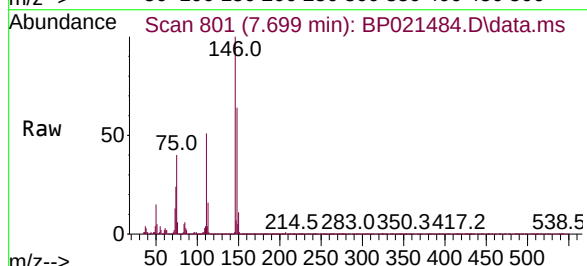
Tgt Ion:146 Resp: 503772

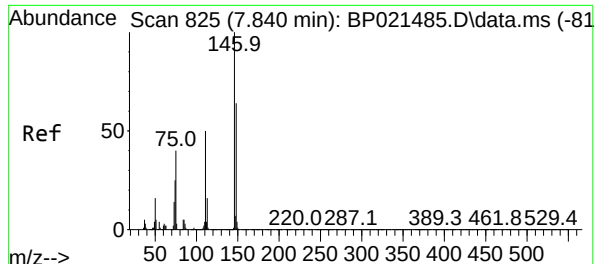
Ion Ratio Lower Upper

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# 81

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 50607

Ion Ratio Lower Upper

146 100

148 63.5 51.5 77.3

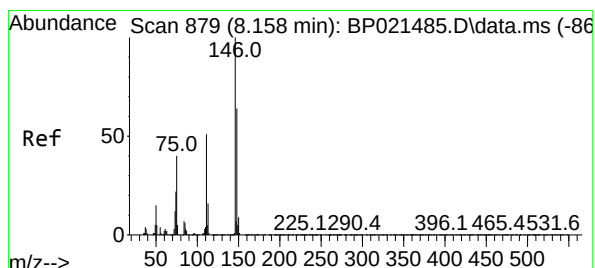
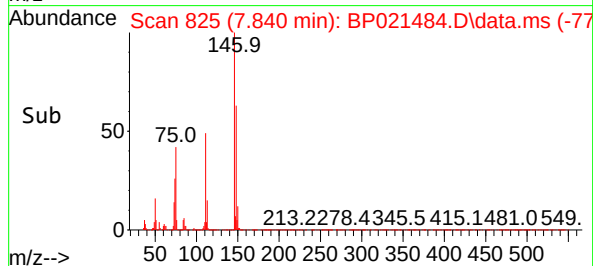
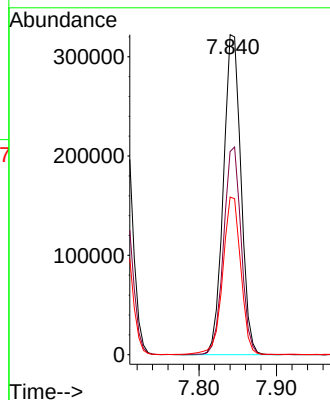
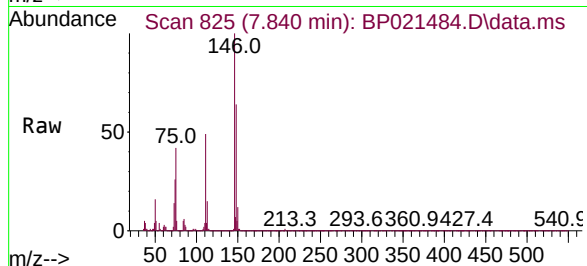
111 49.3 40.3 60.5

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

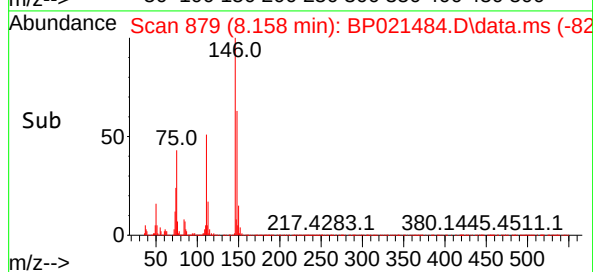
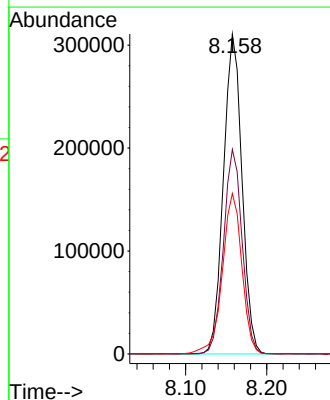
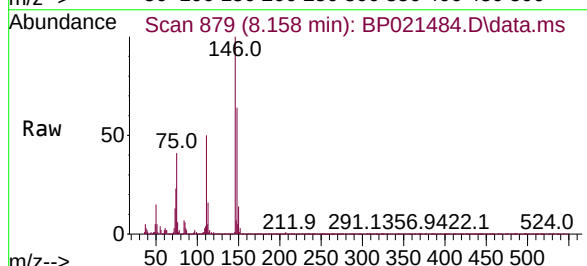
Tgt Ion:146 Resp: 493188

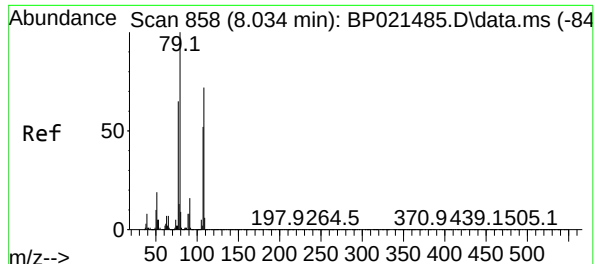
Ion Ratio Lower Upper

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# 858

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 480369

Ion Ratio Lower Upper

79 100

108 72.0 57.9 86.9

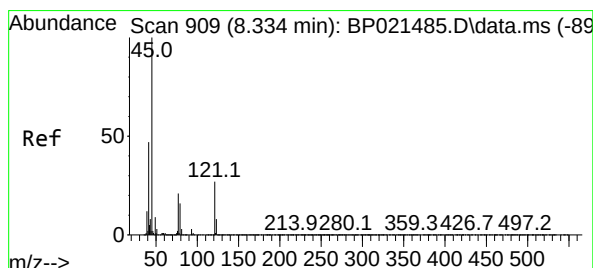
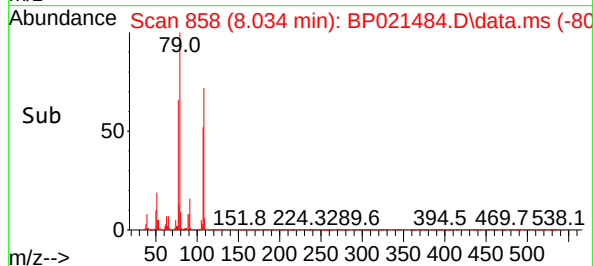
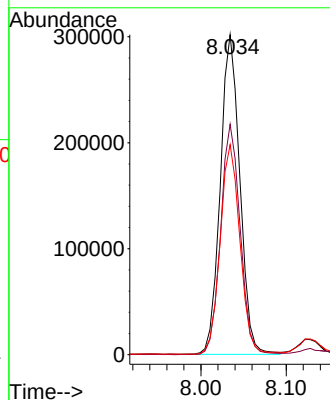
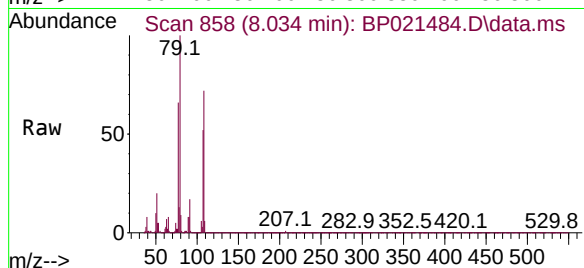
77 65.7 51.8 77.8

Manual Integrations

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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

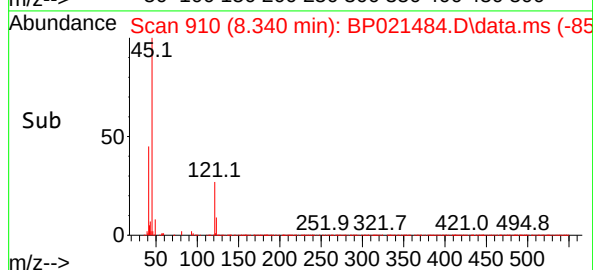
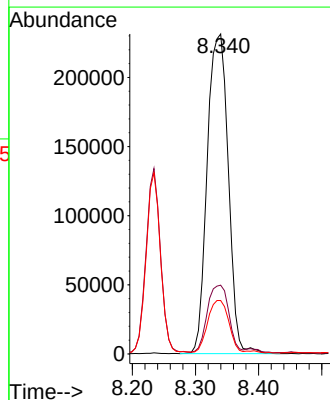
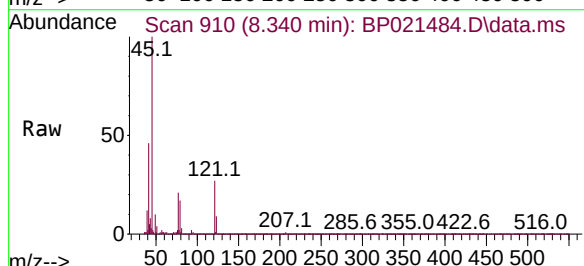
Tgt Ion: 45 Resp: 535190

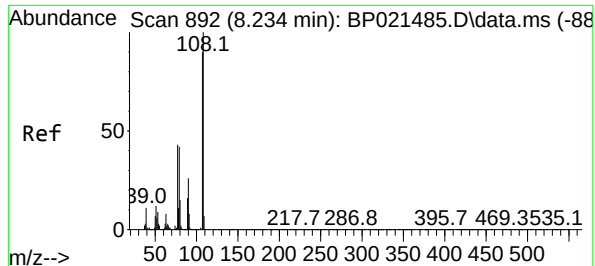
Ion Ratio Lower Upper

45 100

77 21.5 1.9 41.9

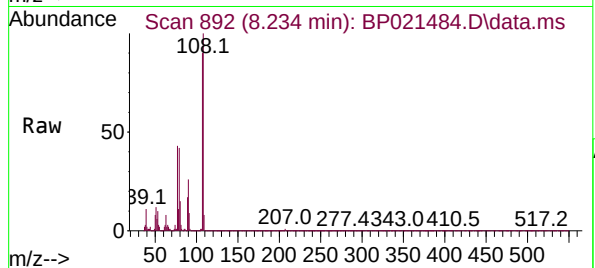
79 16.7 0.0 36.6





#17
2-Methylphenol
Concen: 20.986 ng
RT: 8.234 min Scan# 892
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

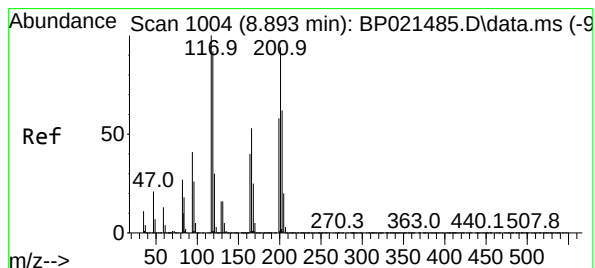
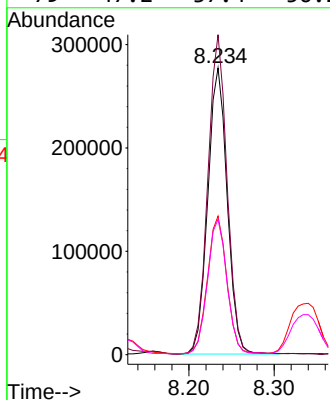
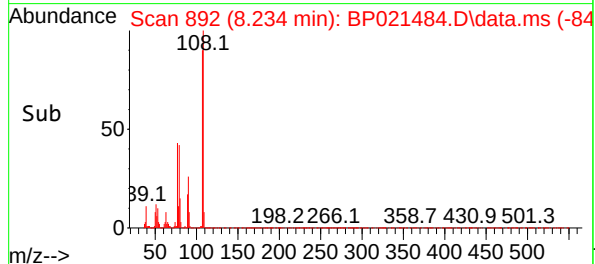
Instrument :
BNA_P
Client Sample Id :
SSTDICC020



Tgt Ion: 107 Resp: 439840
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

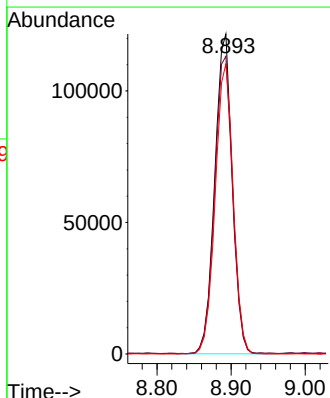
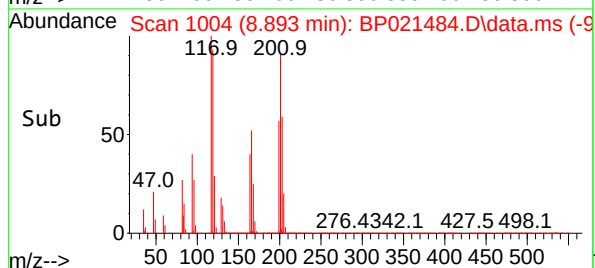
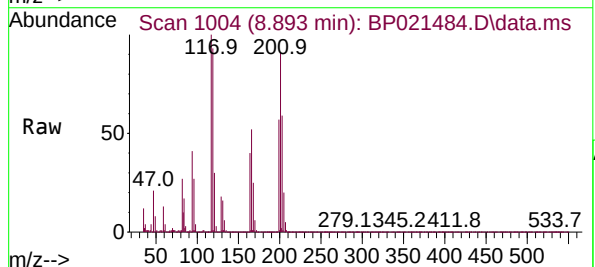
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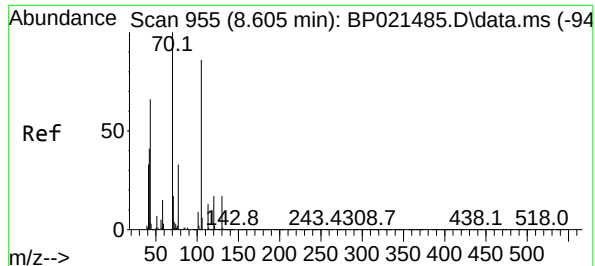
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#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# 955

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

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

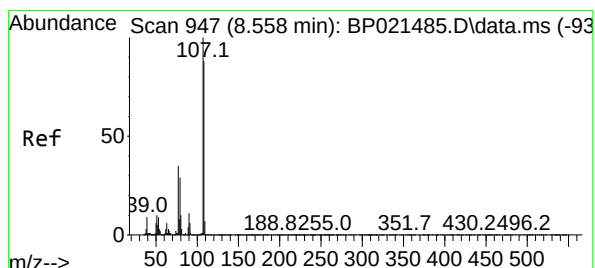
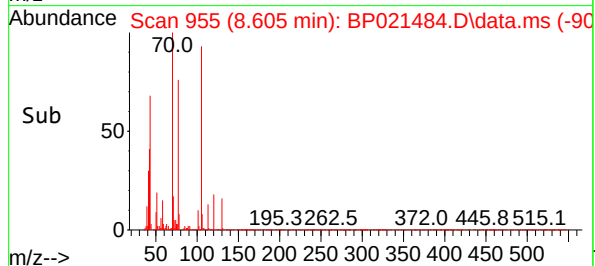
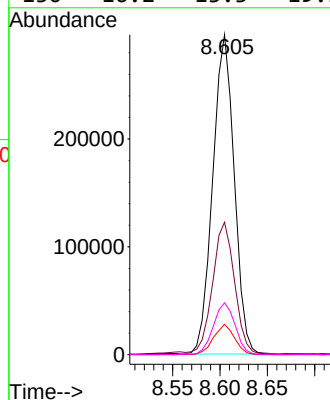
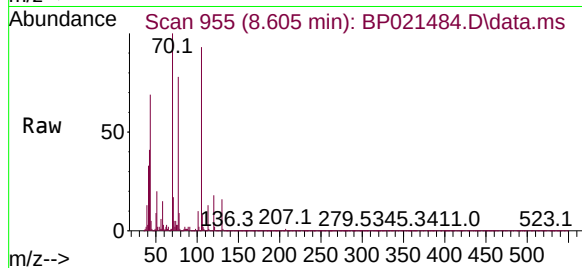
130 16.2 13.3 19.9

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

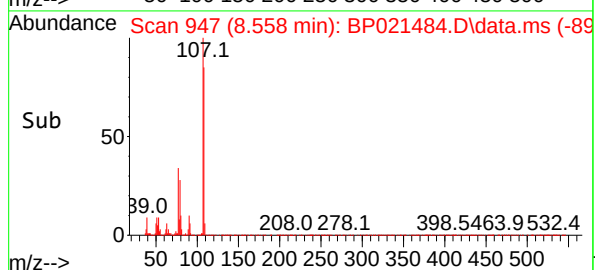
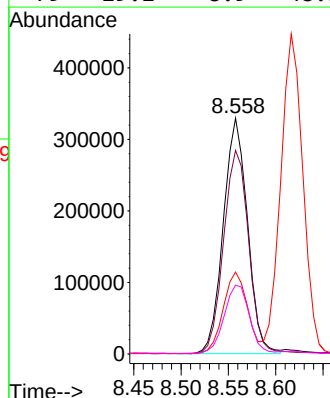
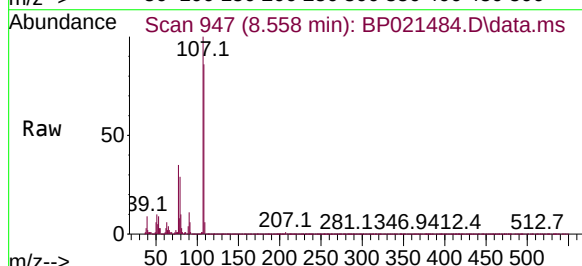
Ion Ratio Lower Upper

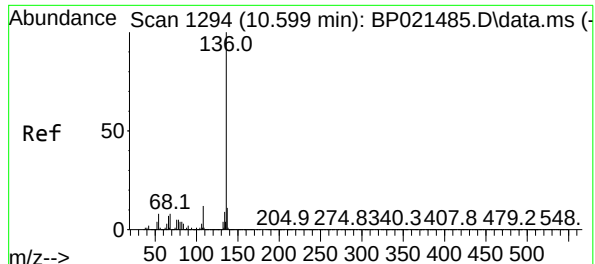
107 100

108 86.3 67.6 107.6

77 34.7 15.0 55.0

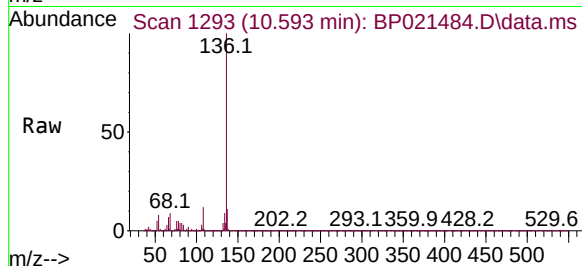
79 29.2 8.9 48.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

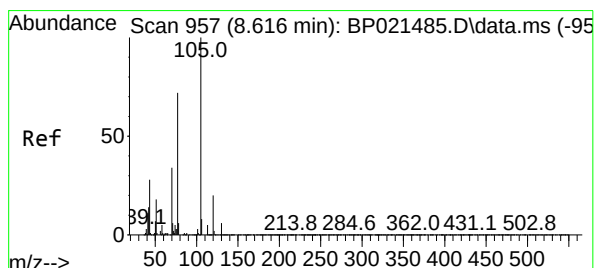
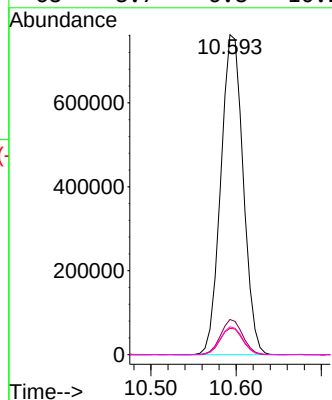
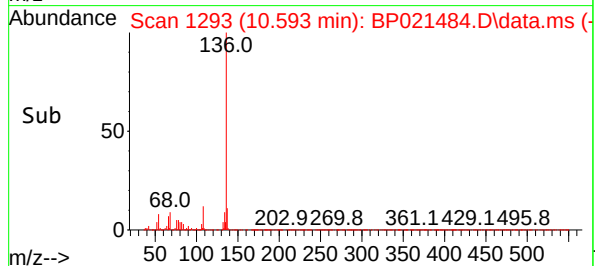
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



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

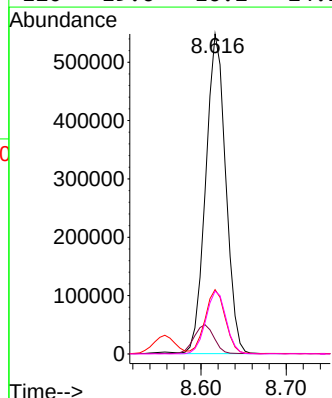
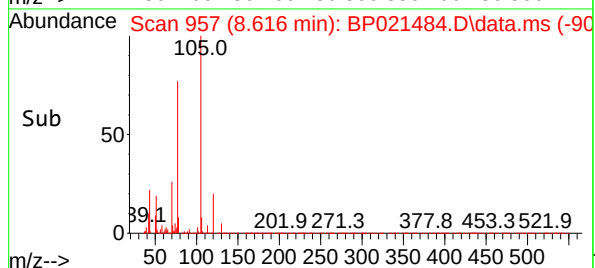
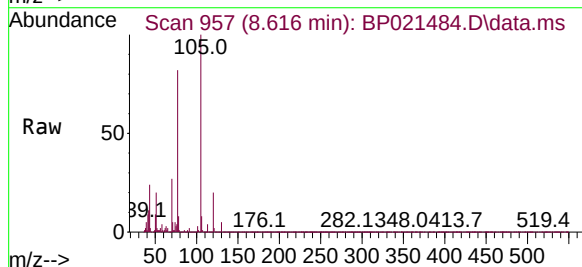
Manual Integrations
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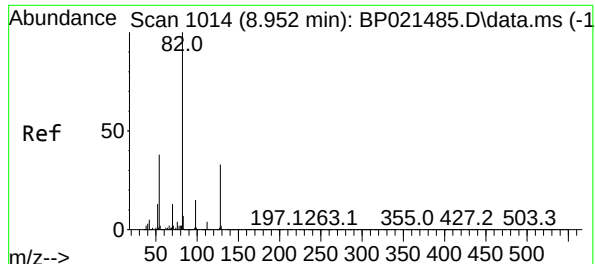
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1014

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 107382

Ion Ratio Lower Upper

82 100

128 31.9 26.5 39.7

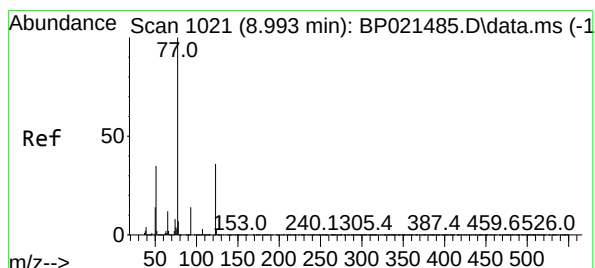
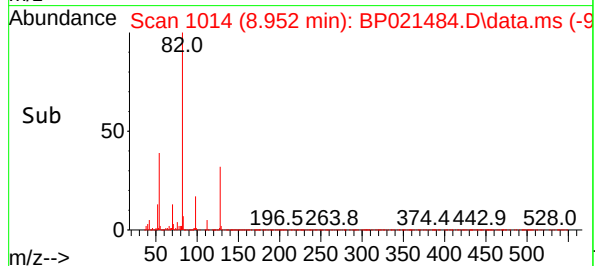
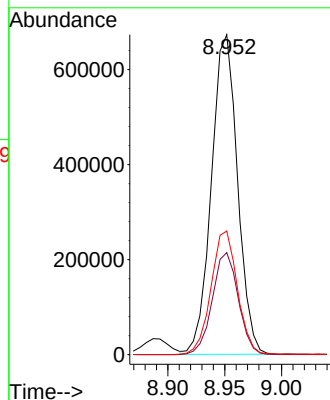
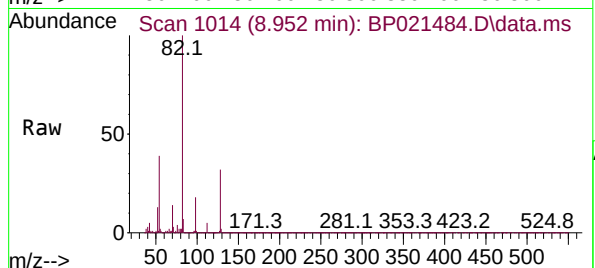
54 38.7 30.3 45.5

Manual Integrations

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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

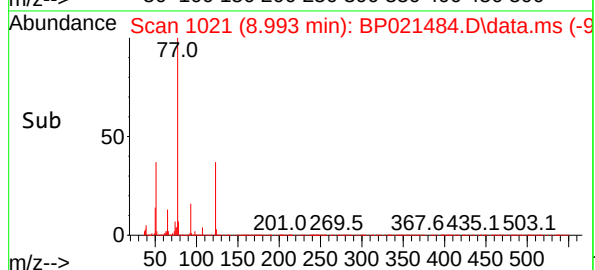
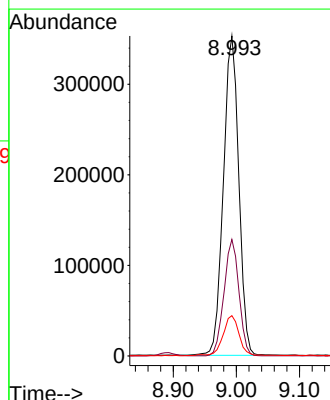
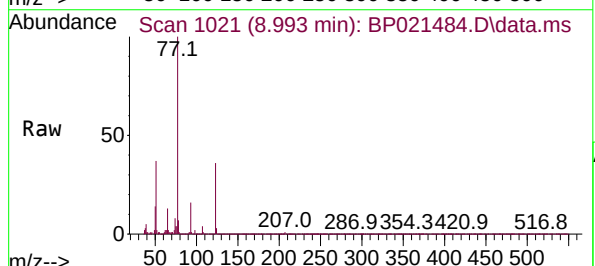
Tgt Ion: 77 Resp: 597794

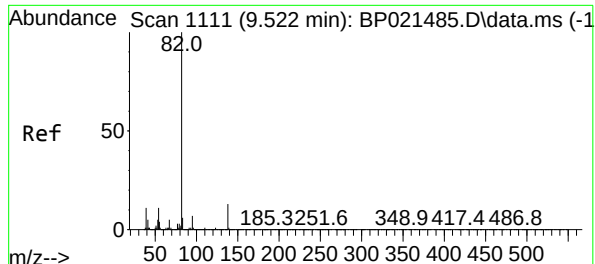
Ion Ratio Lower Upper

77 100

123 36.4 29.5 44.3

65 12.6 9.9 14.9





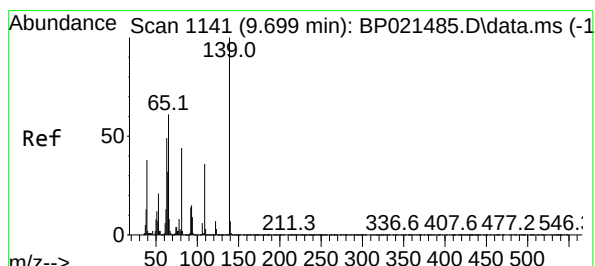
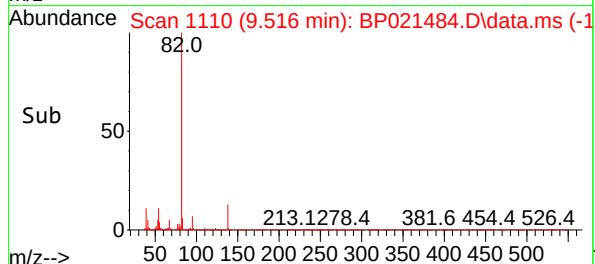
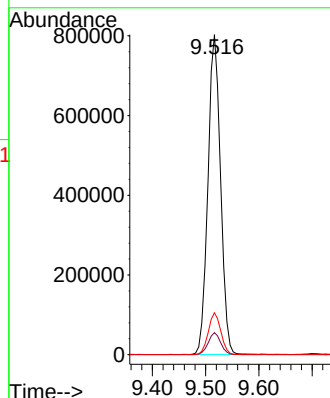
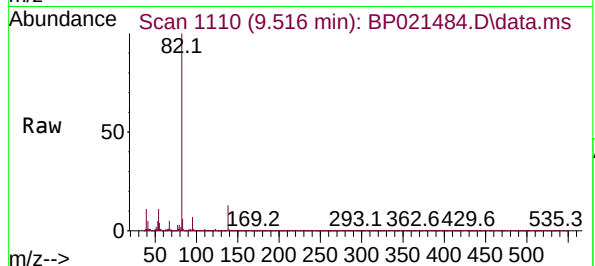
#25
Isophorone
Concen: 20.781 ng
RT: 9.516 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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

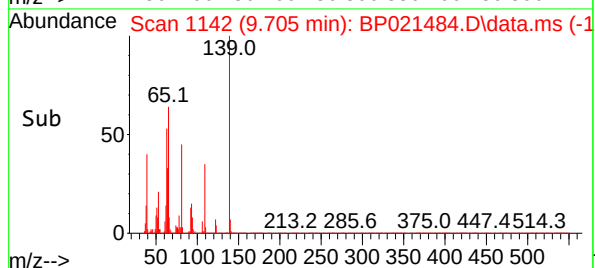
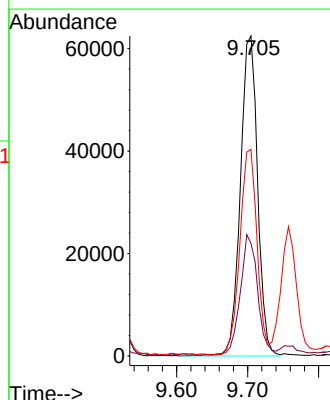
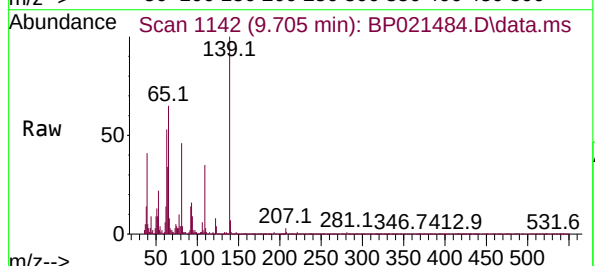
Manual Integrations
APPROVED

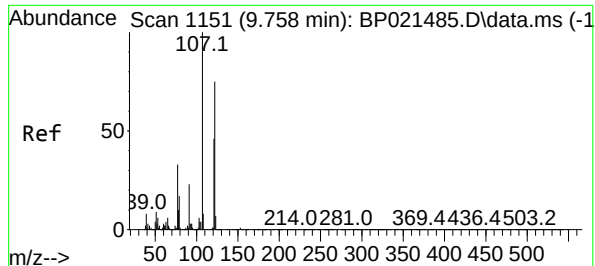
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1151

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:122 Resp: 322640

Ion Ratio Lower Upper

122 100

107 130.7 106.2 159.4

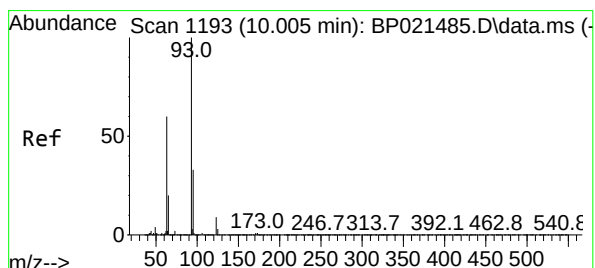
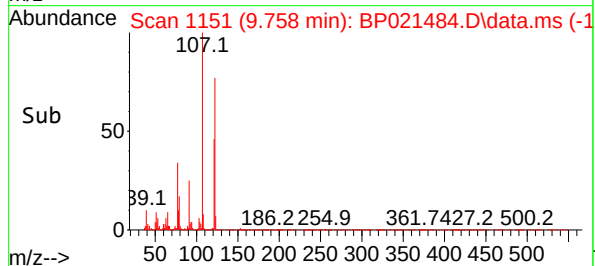
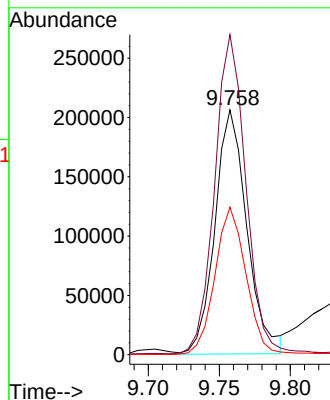
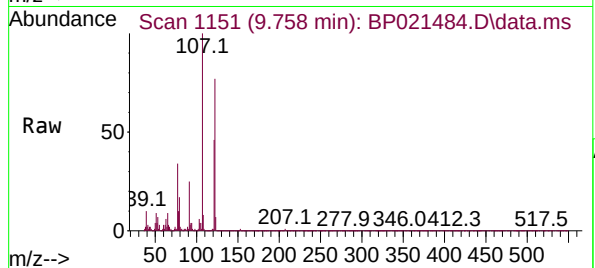
121 60.3 48.8 73.2

Manual Integrations

APPROVED

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

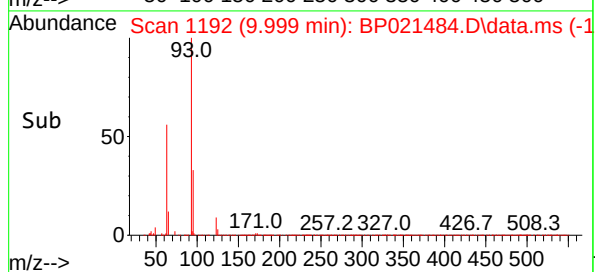
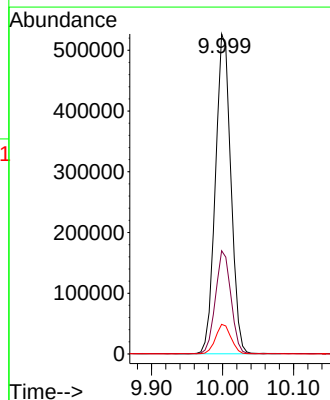
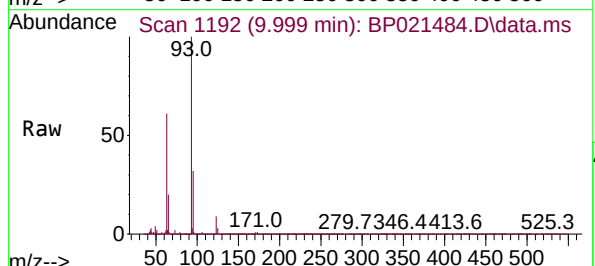
Tgt Ion: 93 Resp: 795422

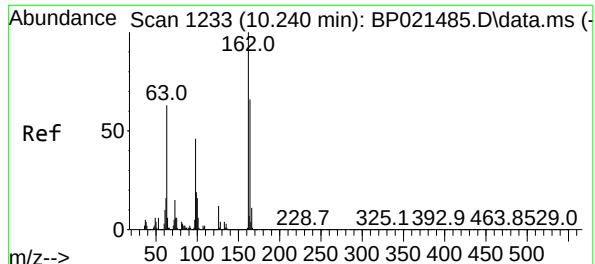
Ion Ratio Lower Upper

93 100

95 32.2 26.2 39.4

123 9.2 7.6 11.4





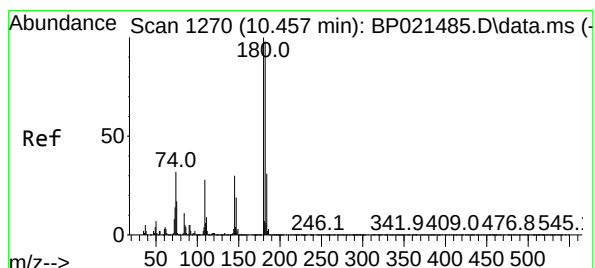
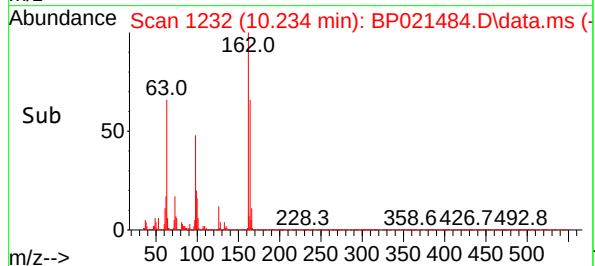
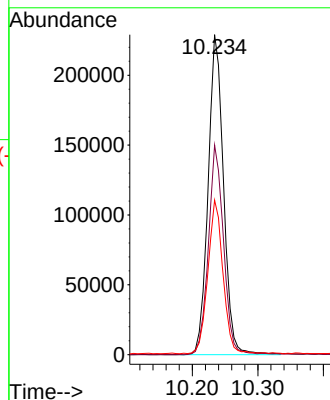
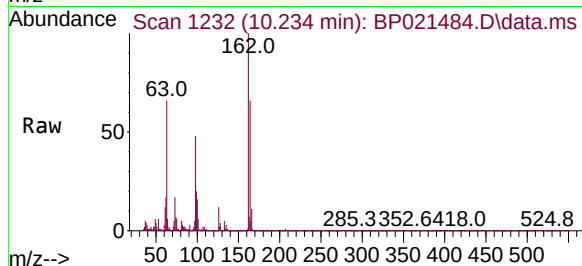
#29
2,4-Dichlorophenol
Concen: 20.213 ng
RT: 10.234 min Scan# 1232
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 375130
Ion Ratio Lower Upper
162 100
164 65.5 45.9 85.9
98 48.3 26.3 66.3

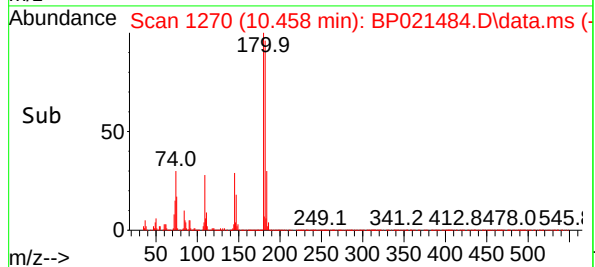
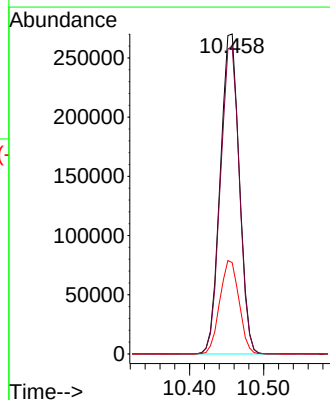
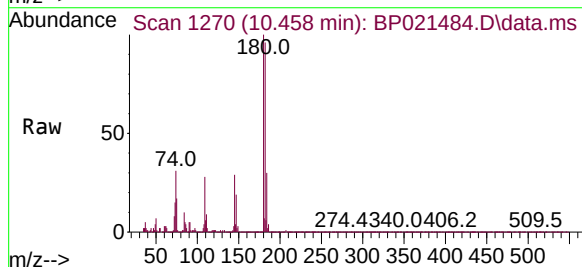
Manual Integrations
APPROVED

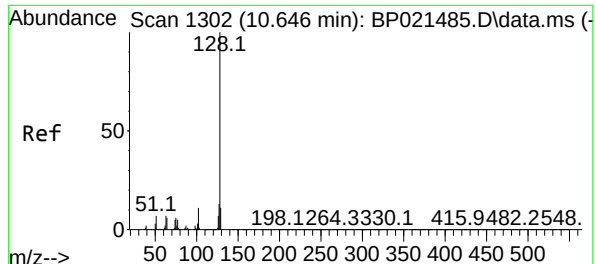
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1165

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:128 Resp: 1492878

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

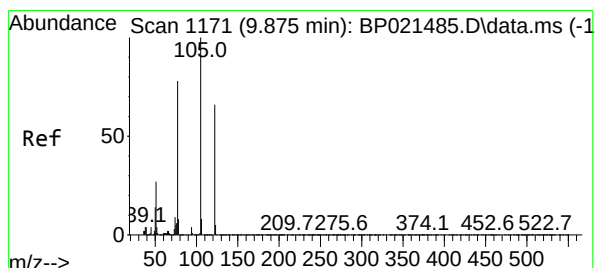
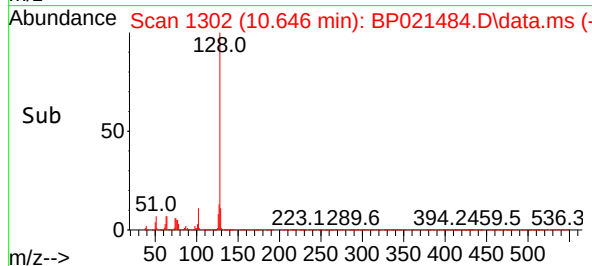
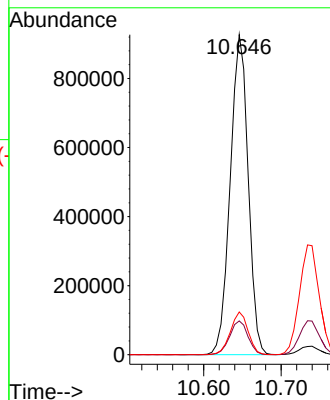
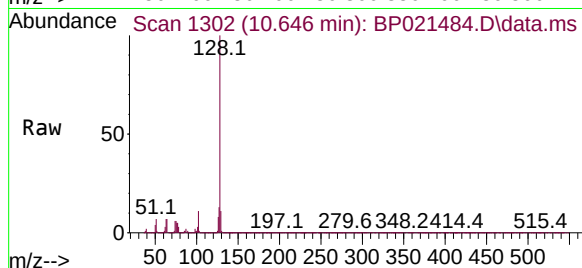
127 13.3 10.6 15.8

Manual Integrations

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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

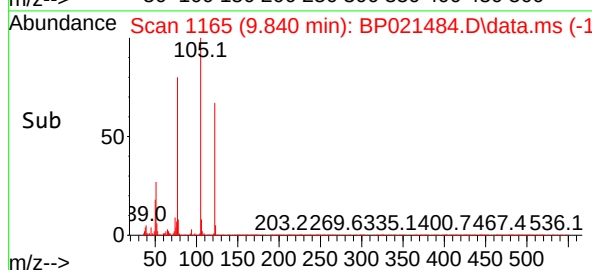
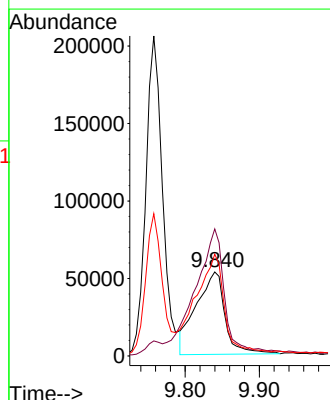
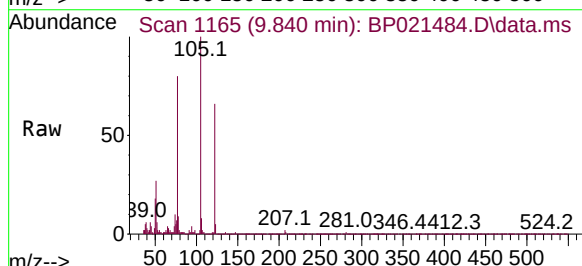
Tgt Ion:122 Resp: 144329

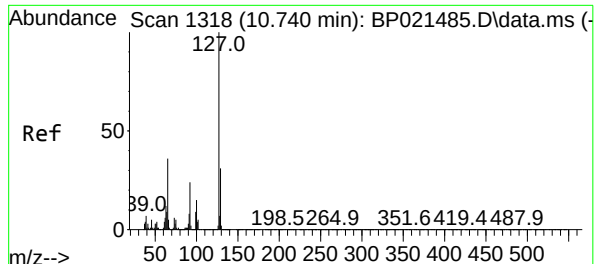
Ion Ratio Lower Upper

122 100

105 151.1 124.6 164.6

77 121.0 96.2 136.2





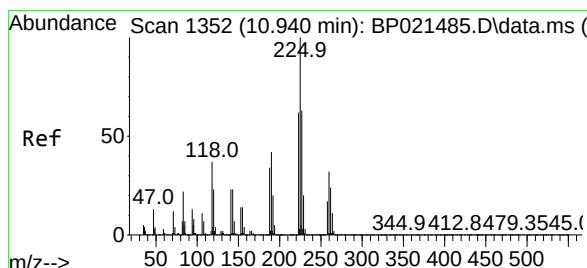
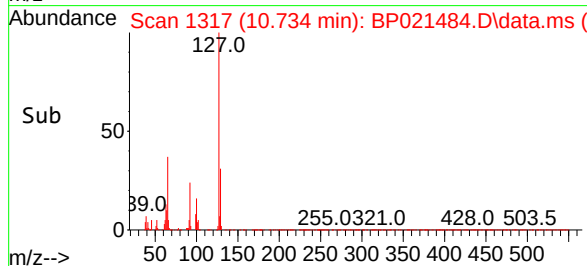
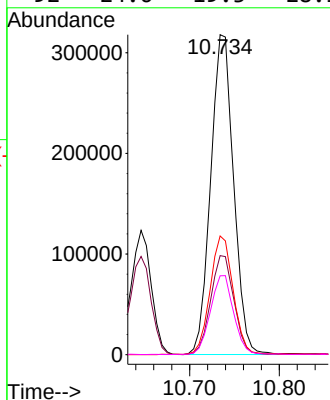
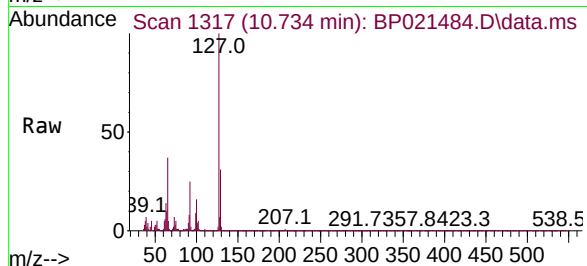
#33
4-Chloroaniline
Concen: 20.675 ng
RT: 10.734 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt 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

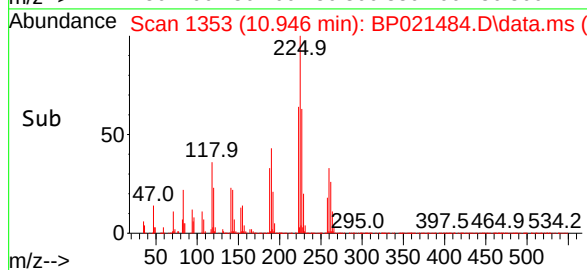
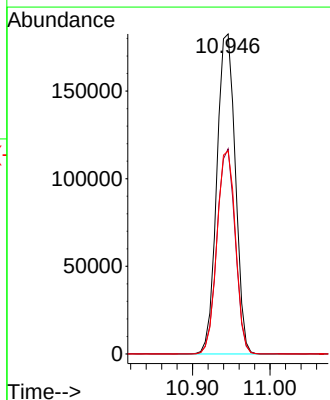
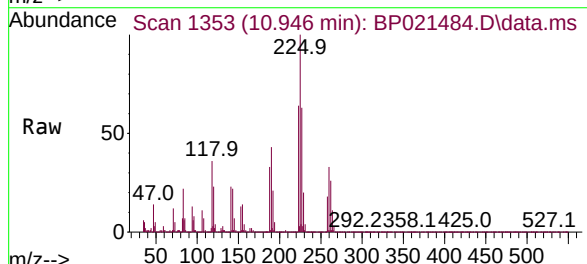
Manual Integrations
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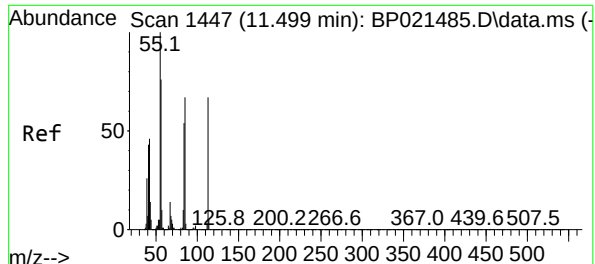
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

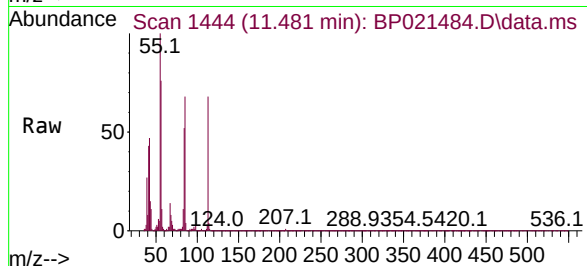
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	49.6	74.4
227	63.4	50.1	75.1





#35
Caprolactam
Concen: 21.189 ng
RT: 11.481 min Scan# 1447
Delta R.T. -0.018 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

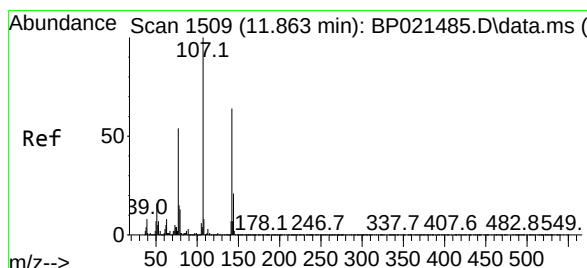
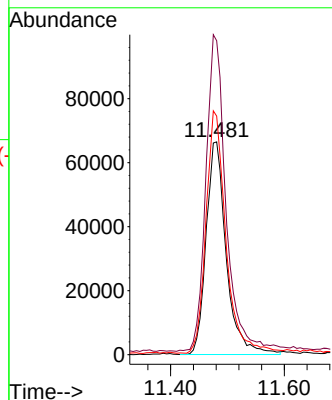
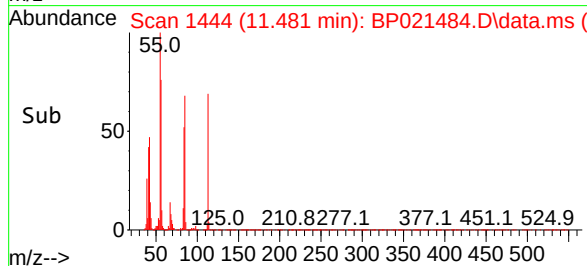
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



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

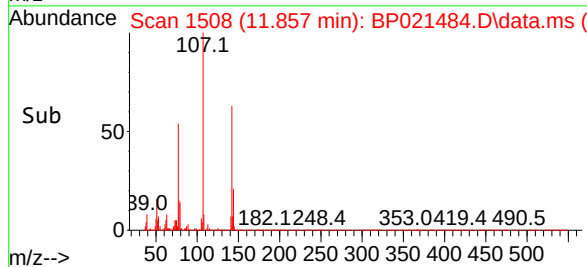
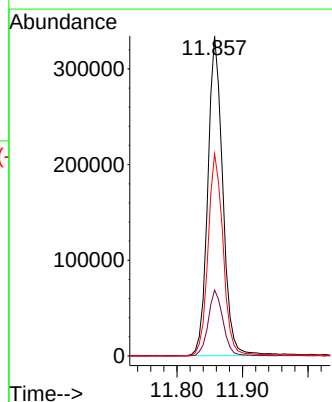
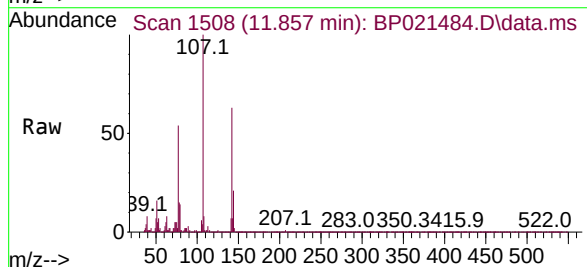
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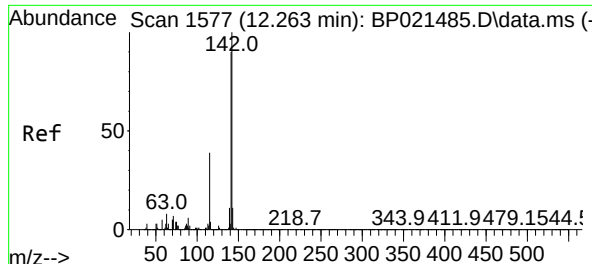
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





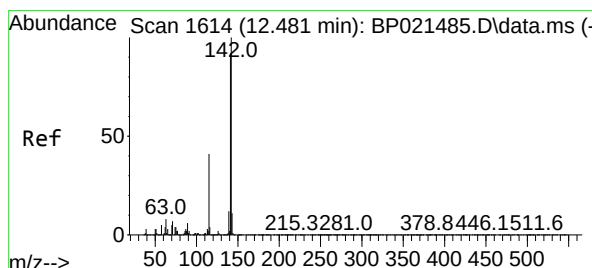
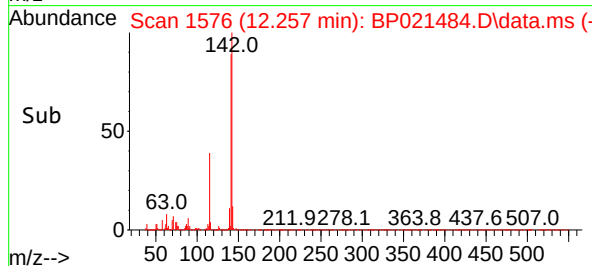
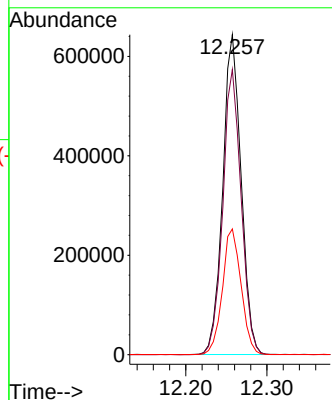
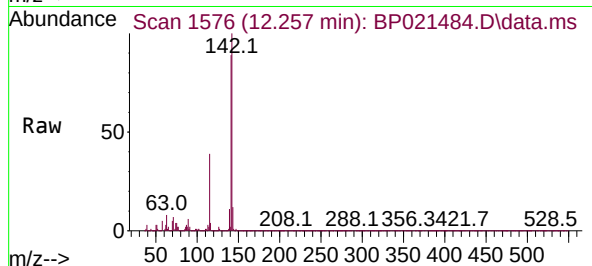
#37
2-Methylnaphthalene
Concen: 20.478 ng
RT: 12.257 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 1015274
Ion Ratio Lower Upper
142 100
141 89.1 71.7 107.5
115 39.3 31.4 47.2

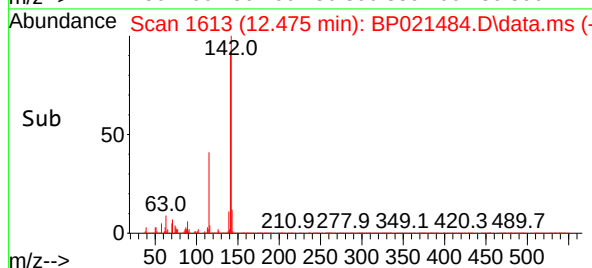
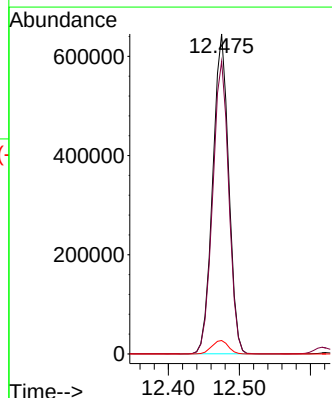
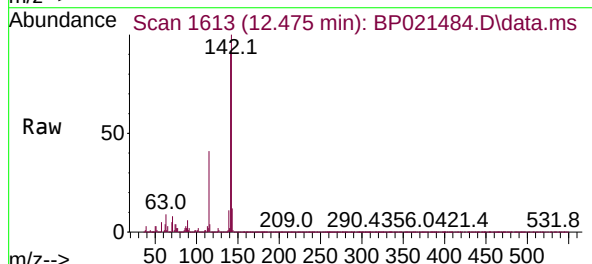
Manual Integrations
APPROVED

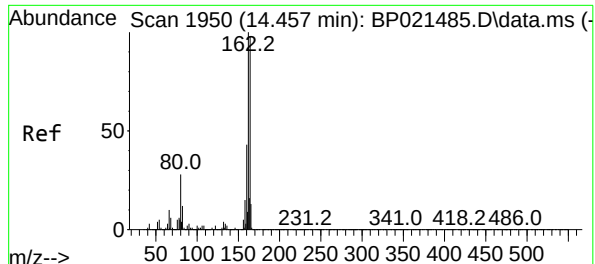
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





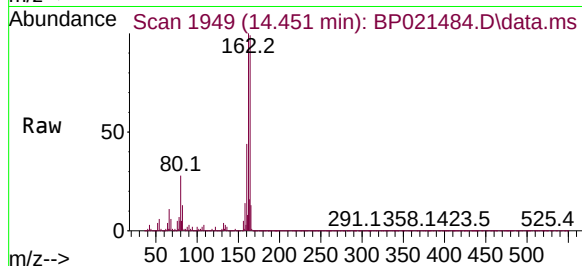
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.451 min Scan# 1950
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :

BNA_P

ClientSampleId :

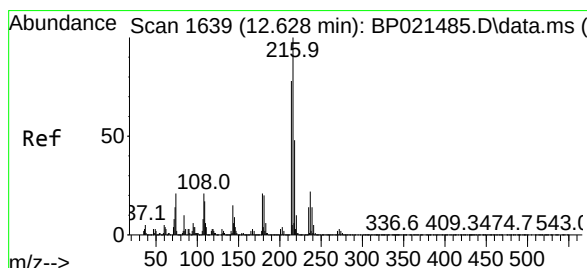
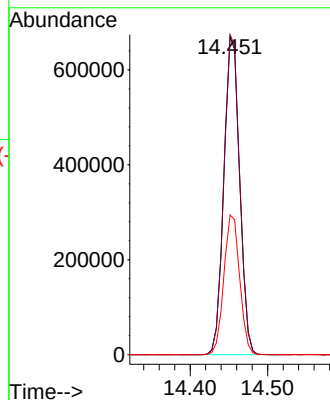
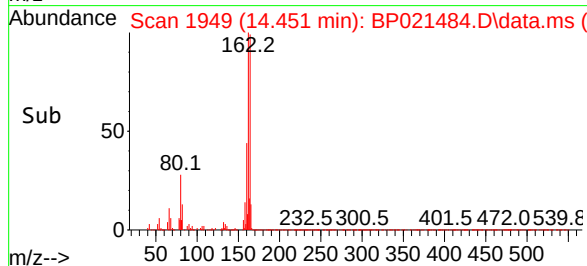
SSTDICC020



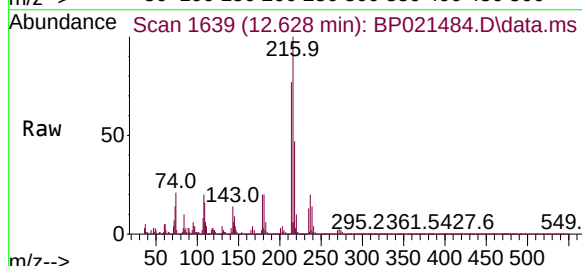
Tgt Ion:164 Resp: 947940
Ion Ratio Lower Upper
164 100
162 100.7 81.5 122.3
160 44.0 35.2 52.8

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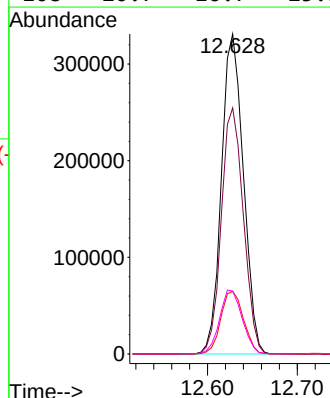
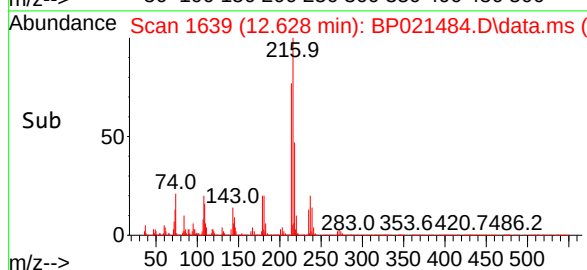
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

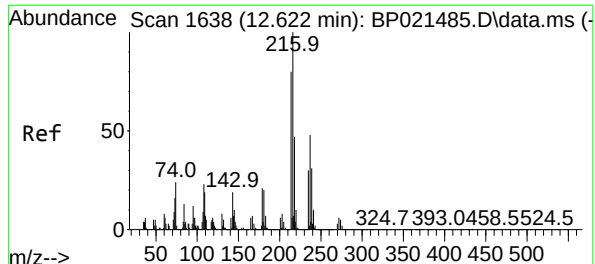


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.209 ng
RT: 12.628 min Scan# 1639
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42



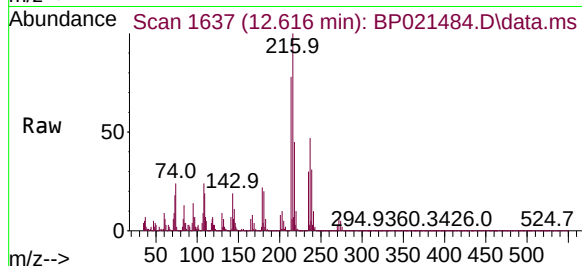
Tgt Ion:216 Resp: 561317
Ion Ratio Lower Upper
216 100
214 77.4 62.5 93.7
179 20.2 16.4 24.6
108 20.7 16.7 25.1





#41
Hexachlorocyclopentadiene
Concen: 18.709 ng
RT: 12.616 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

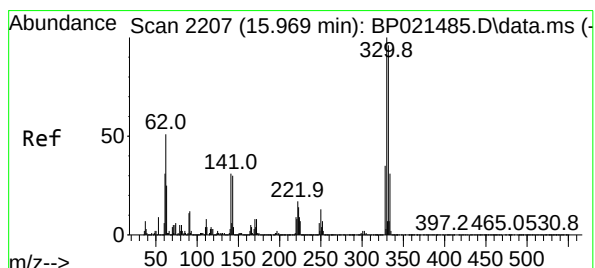
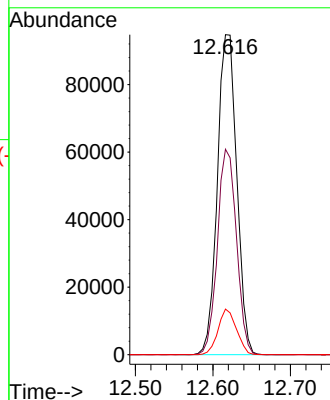
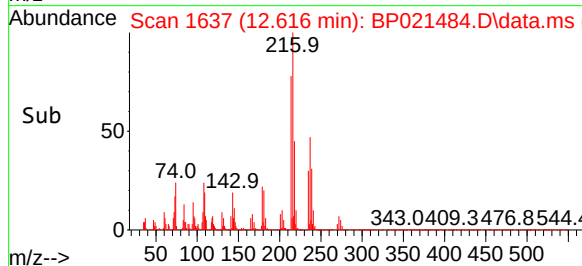
Instrument :
BNA_P
Client Sample Id :
SSTDICC020



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

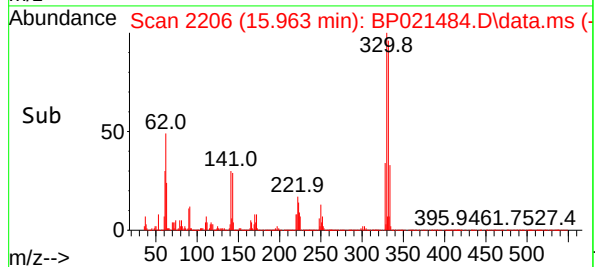
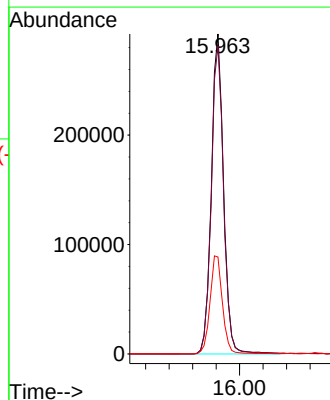
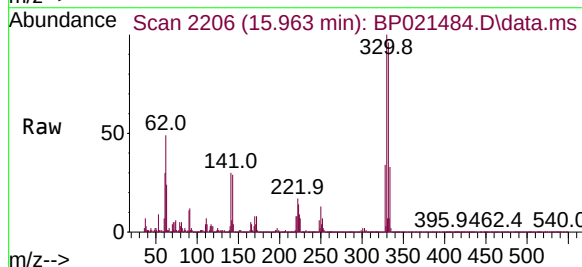
Manual Integrations
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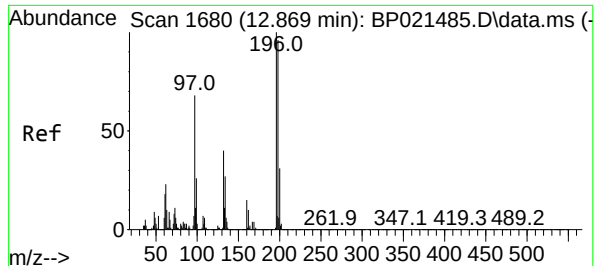
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#42
2,4,6-Tribromophenol
Concen: 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# 1679

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:196 Resp: 301820

Ion Ratio Lower Upper

196 100

198 96.8 76.6 114.8

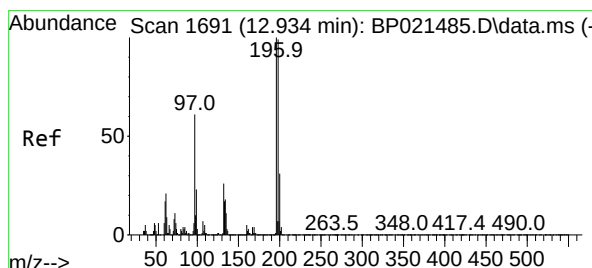
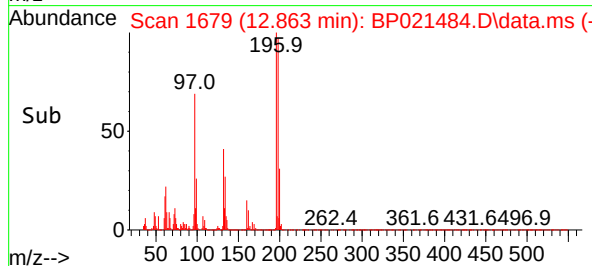
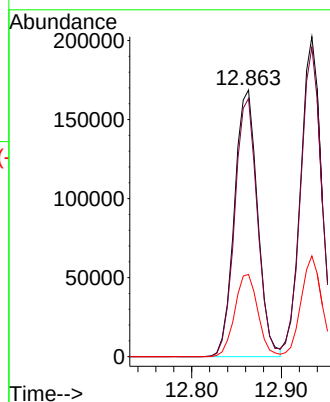
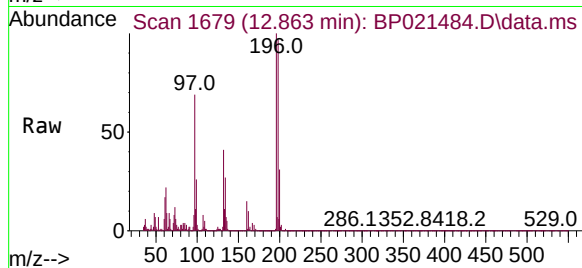
200 30.8 24.5 36.7

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

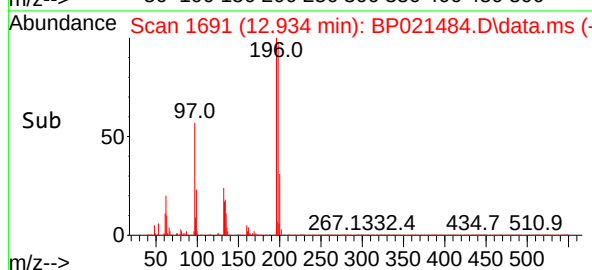
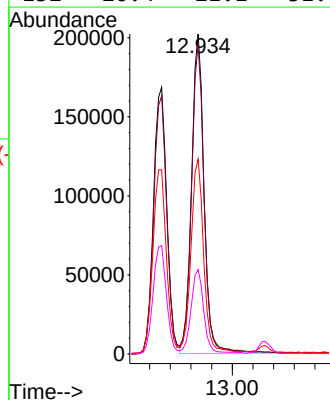
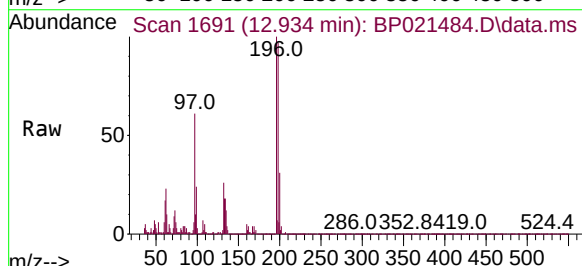
Ion Ratio Lower Upper

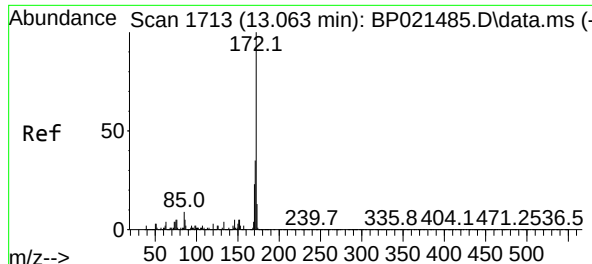
196 100

198 96.7 78.9 118.3

97 60.8 49.4 74.0

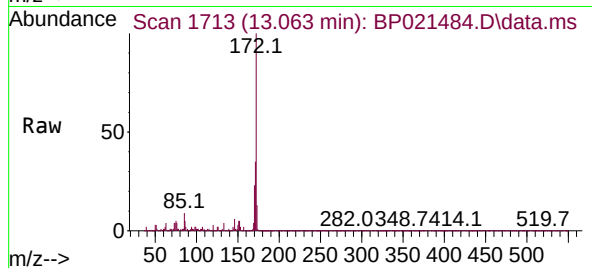
132 26.4 21.1 31.7





#45
2-Fluorobiphenyl
Concen: 40.758 ng
RT: 13.063 min Scan# 1713
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

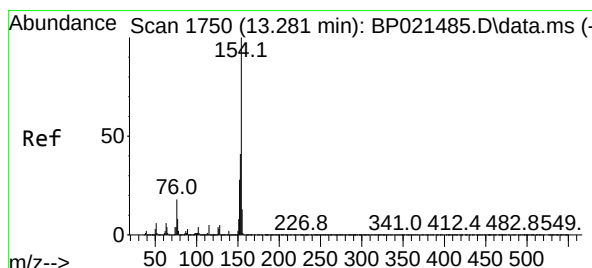
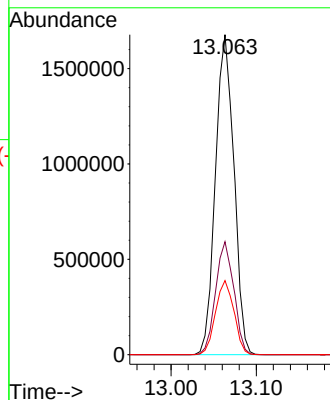
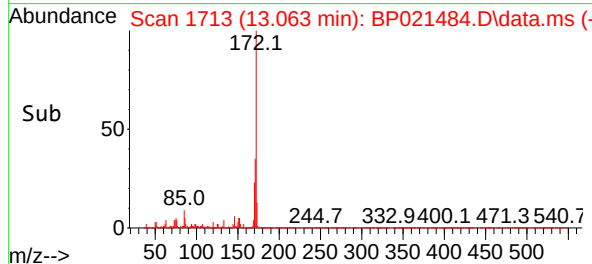
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



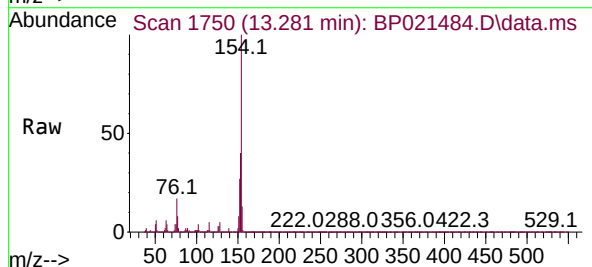
Tgt Ion:172 Resp: 253160
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 23.1 18.4 27.6

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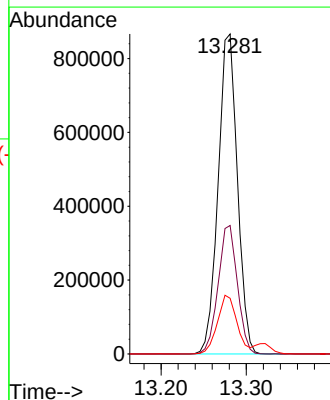
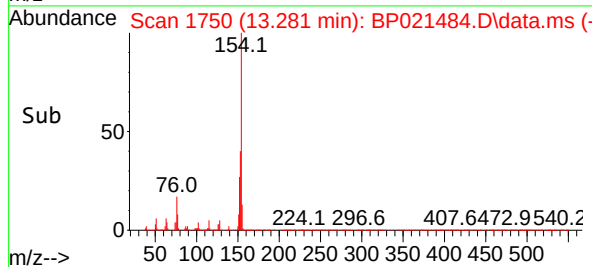
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

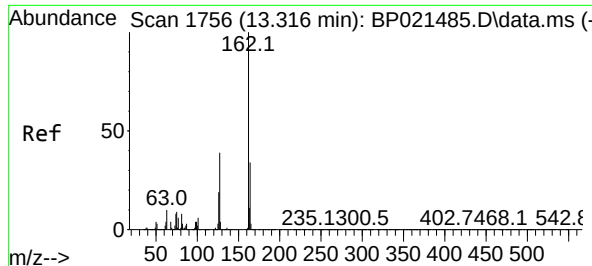


#46
1,1'-Biphenyl
Concen: 20.263 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42



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# 1757

Delta R.T. 0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 1058999

Ion Ratio Lower Upper

162 100

127 40.5 31.9 47.9

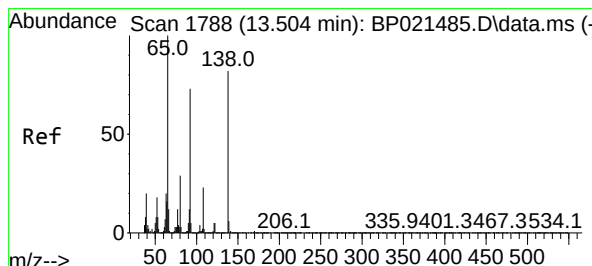
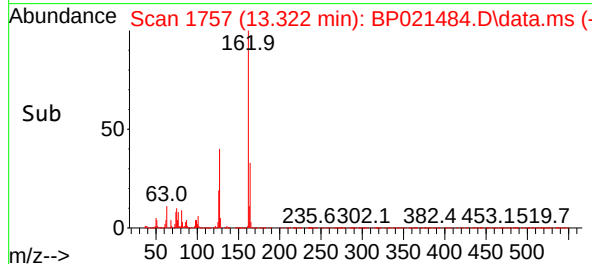
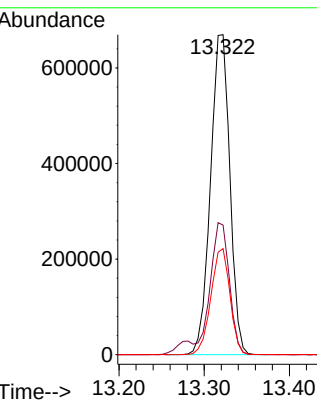
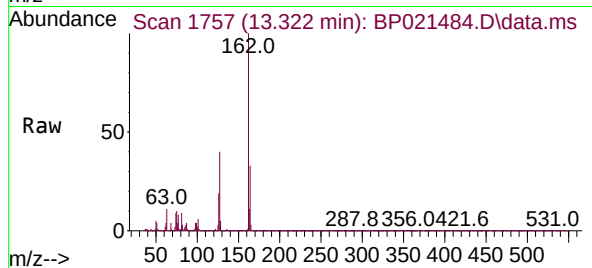
164 33.2 26.8 40.2

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

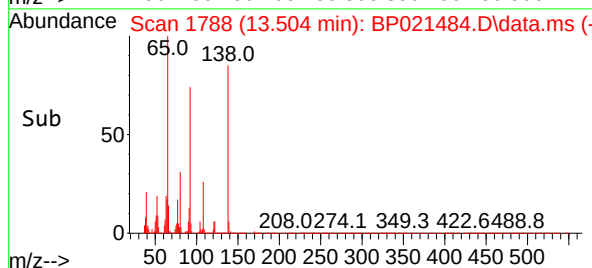
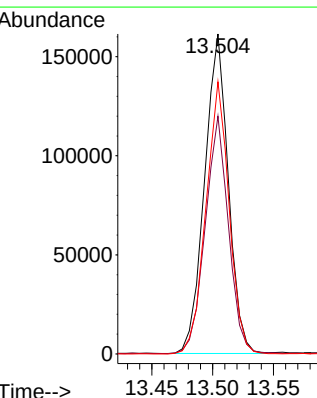
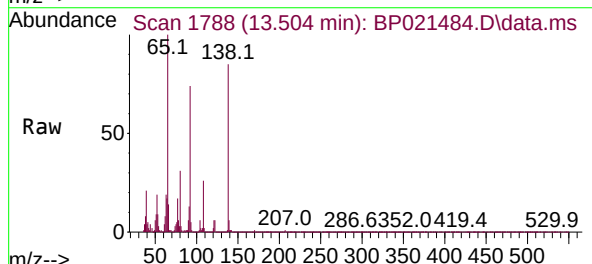
Tgt Ion: 65 Resp: 218570

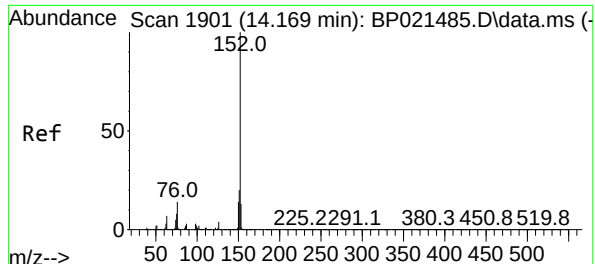
Ion Ratio Lower Upper

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# 1901

Delta R.T. 0.000 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:152 Resp: 1571109

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

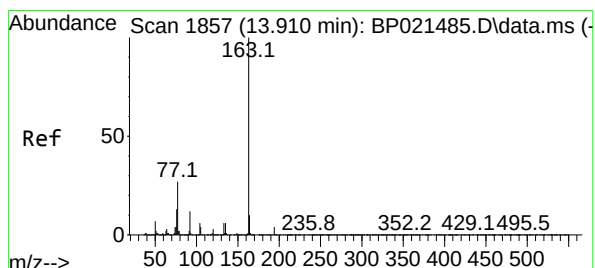
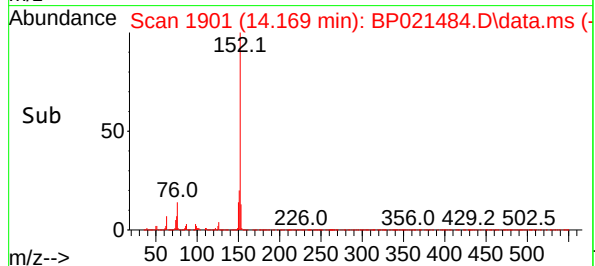
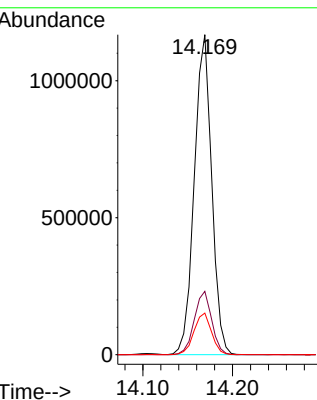
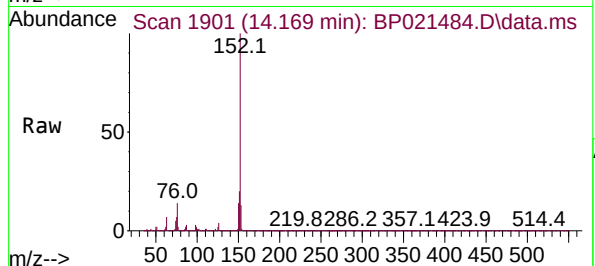
153 13.0 10.6 16.0

Manual Integrations

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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

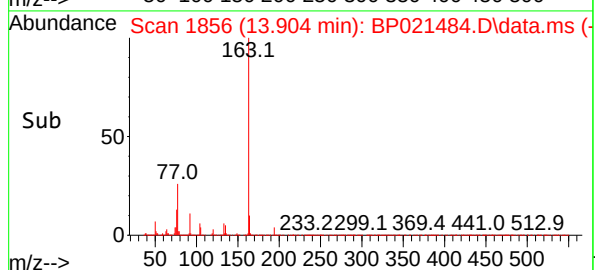
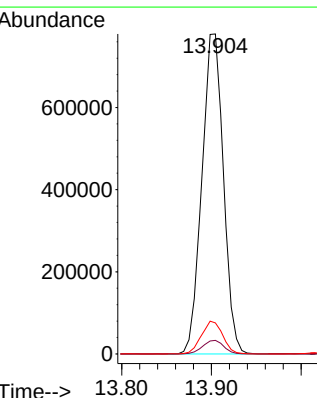
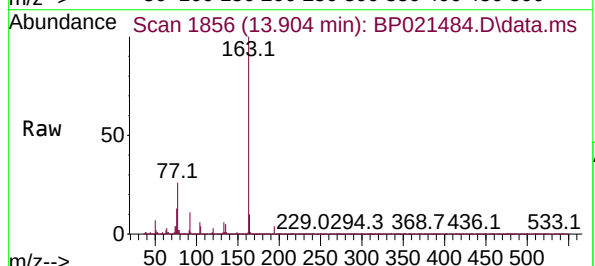
Tgt Ion:163 Resp: 1297733

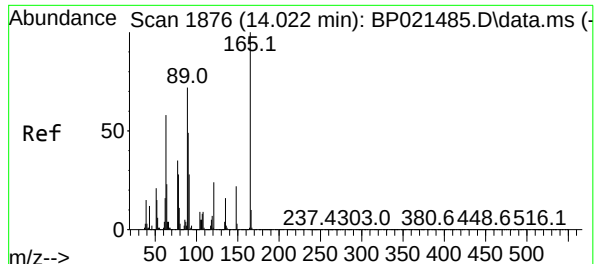
Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

164 9.7 8.3 12.5





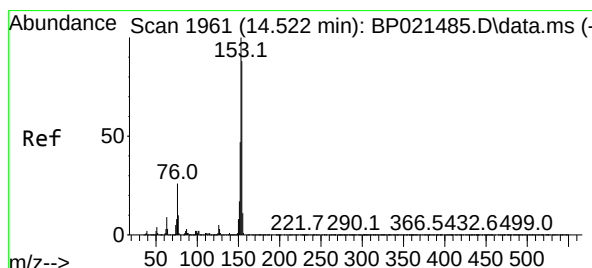
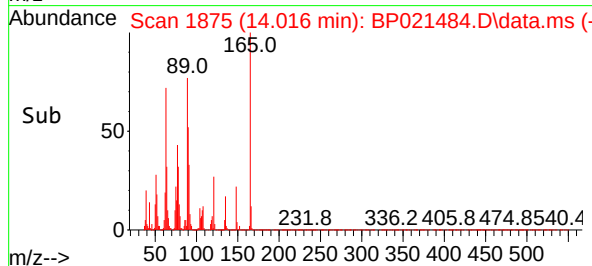
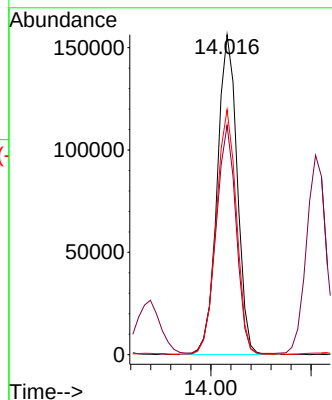
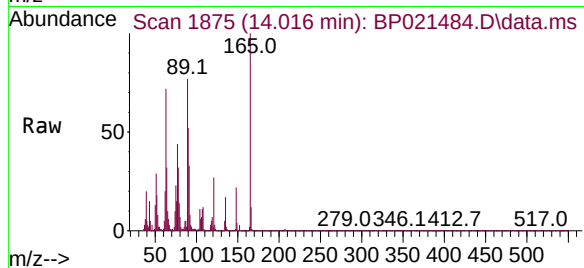
#51
2,6-Dinitrotoluene
Concen: 19.423 ng
RT: 14.016 min Scan# 1875
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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

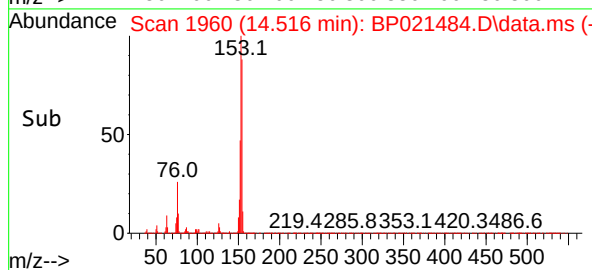
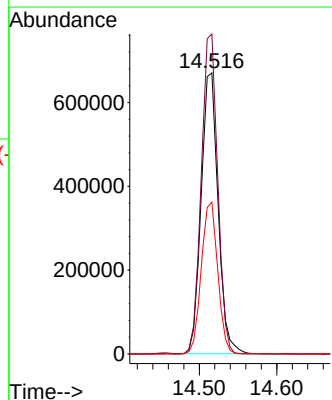
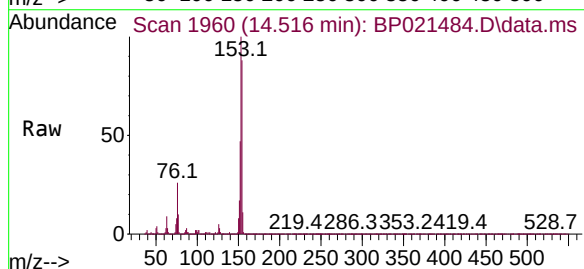
Manual Integrations
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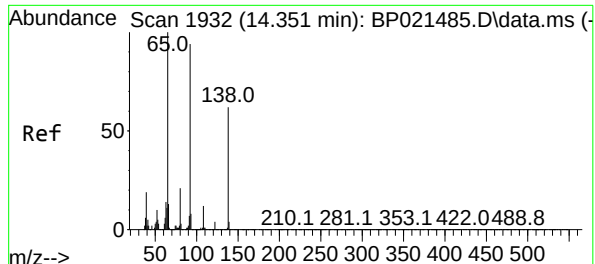
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

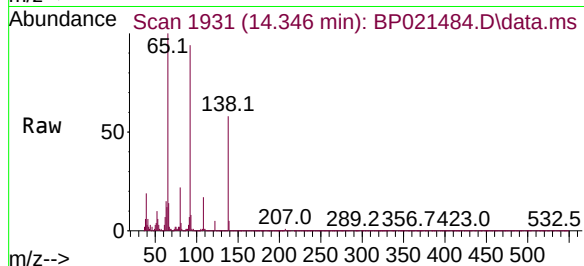
Tgt Ion:154 Resp: 1018510
Ion Ratio Lower Upper
154 100
153 113.8 91.1 136.7
152 54.0 43.0 64.4





#53
3-Nitroaniline
Concen: 19.232 ng
RT: 14.346 min Scan# 1932
Delta R.T. -0.005 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

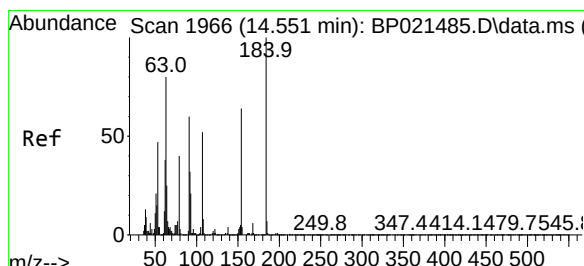
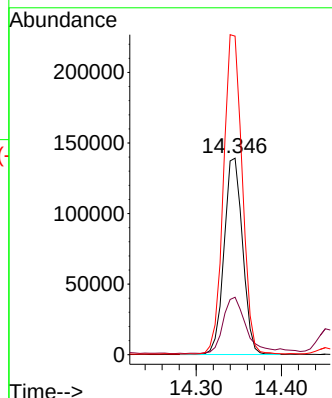
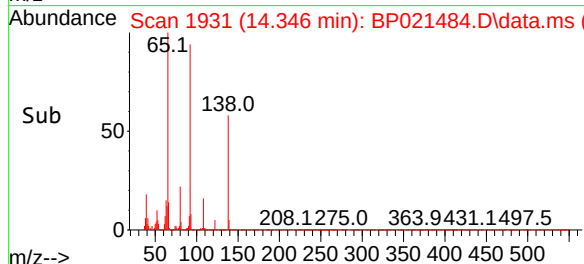
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



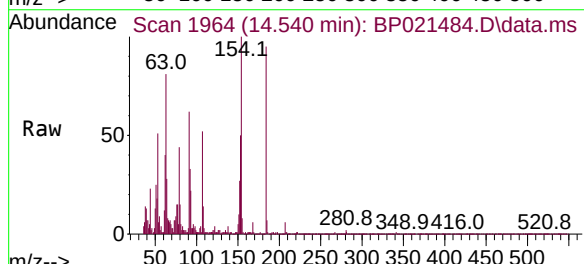
Tgt Ion:138 Resp: 209499
Ion Ratio Lower Upper
138 100
108 29.2 16.2 24.4
92 162.2 122.2 183.4

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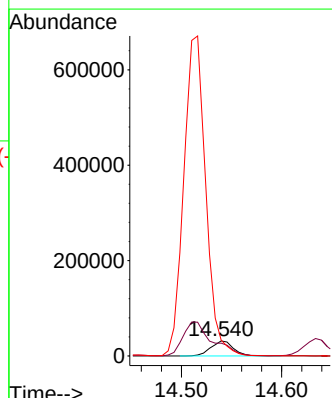
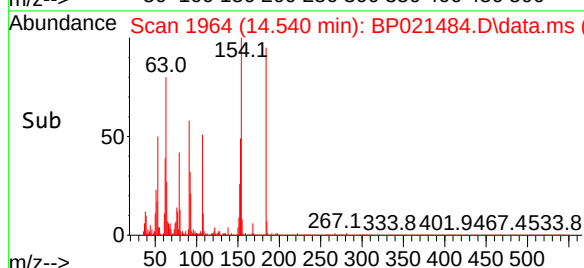
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

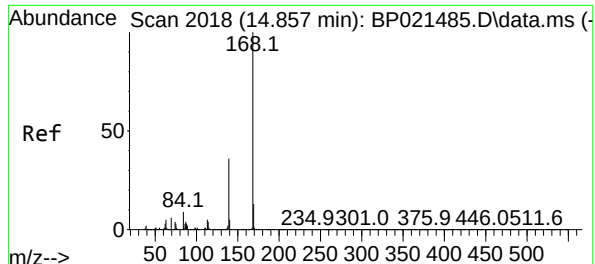


#54
2,4-Dinitrophenol
Concen: 19.714 ng
RT: 14.540 min Scan# 1964
Delta R.T. -0.011 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42



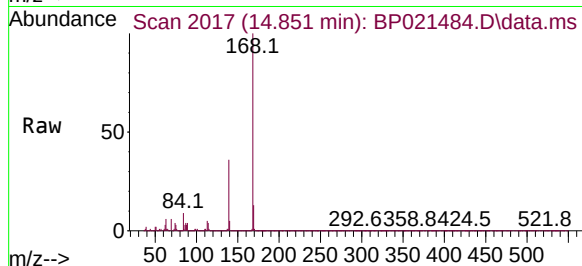
Tgt Ion:184 Resp: 49171
Ion Ratio Lower Upper
184 100
63 85.8 64.9 97.3
154 105.7 52.1 78.1





#55
Dibenzenofuran
Concen: 20.515 ng
RT: 14.851 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

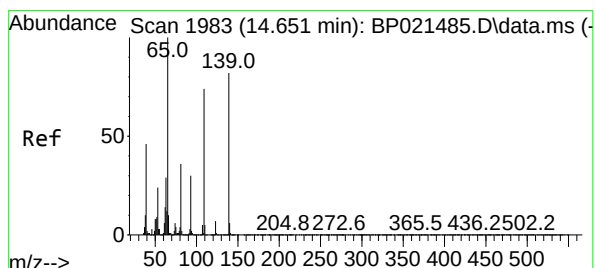
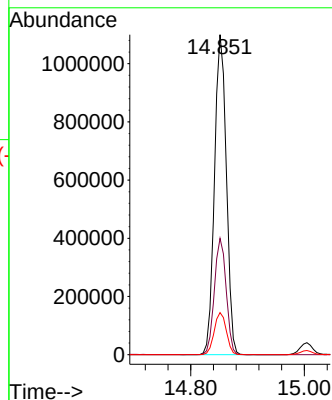
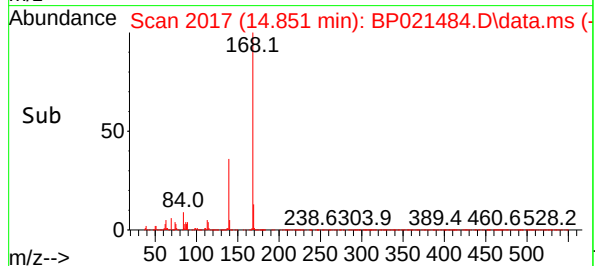
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



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

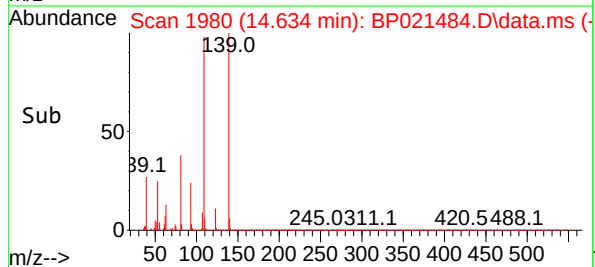
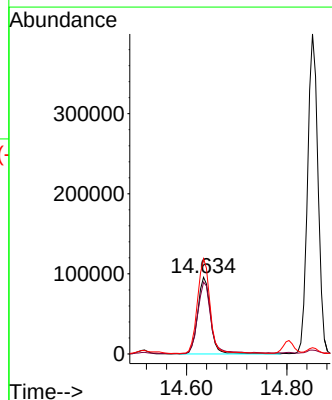
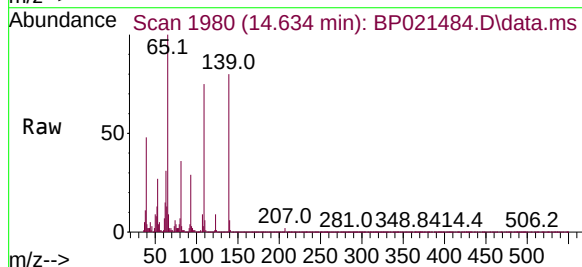
Manual Integrations
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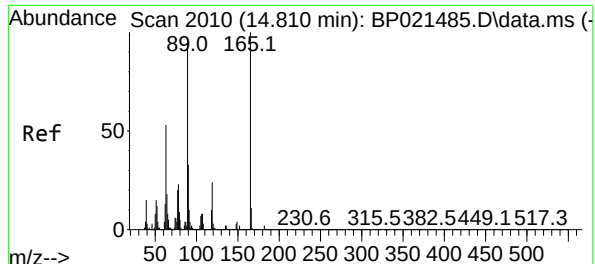
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

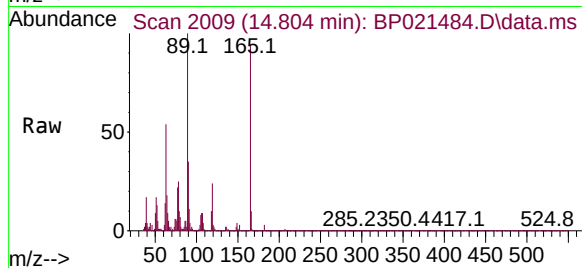
Tgt Ion:139 Resp: 167932
Ion Ratio Lower Upper
139 100
109 93.8 70.2 110.2
65 124.4 101.8 141.8





#57
2,4-Dinitrotoluene
Concen: 18.676 ng
RT: 14.804 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

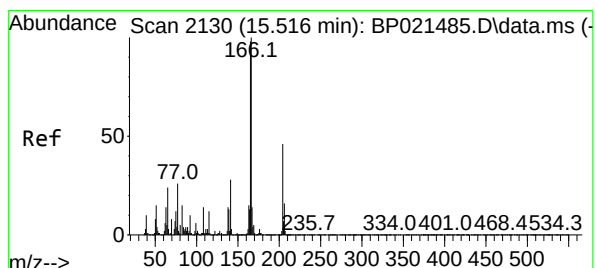
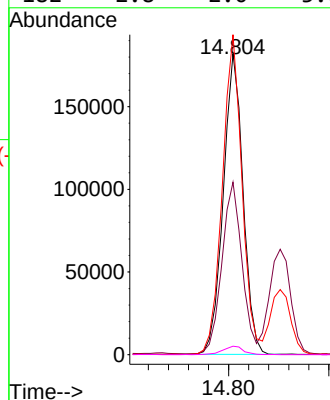
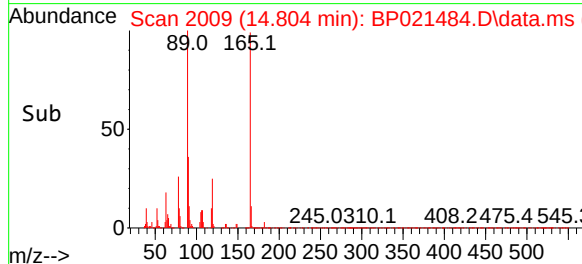
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 248400
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

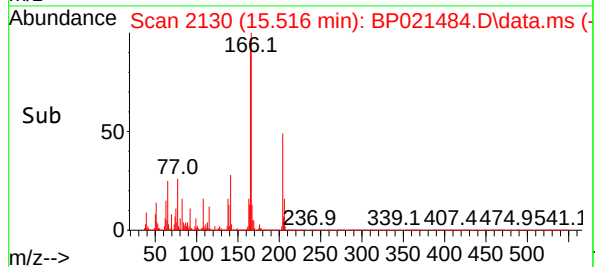
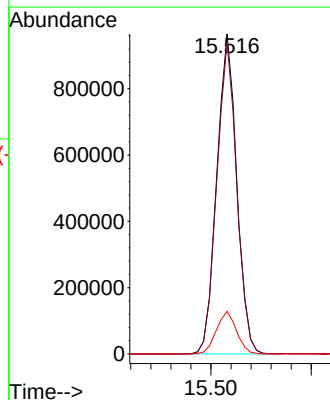
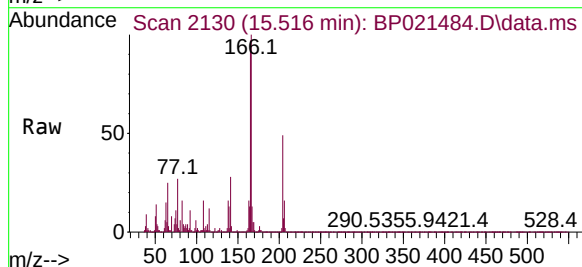
Manual Integrations
APPROVED

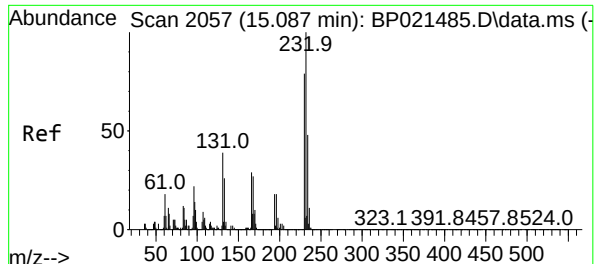
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

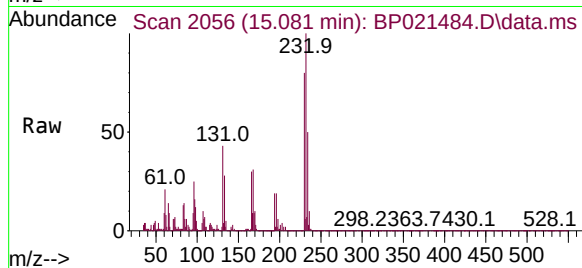
Tgt Ion:166 Resp: 1334998
Ion Ratio Lower Upper
166 100
165 97.3 78.1 117.1
167 13.3 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 19.679 ng
RT: 15.081 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

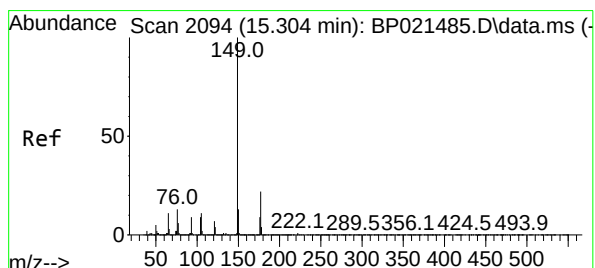
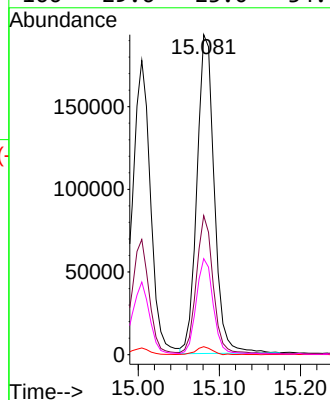
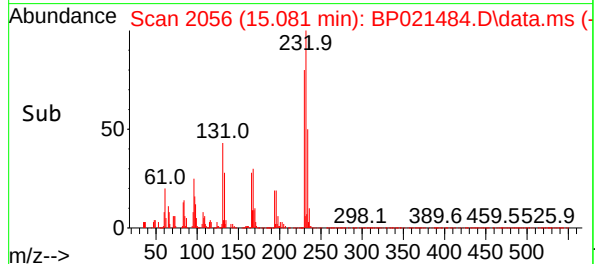
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion:232 Resp: 286320
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

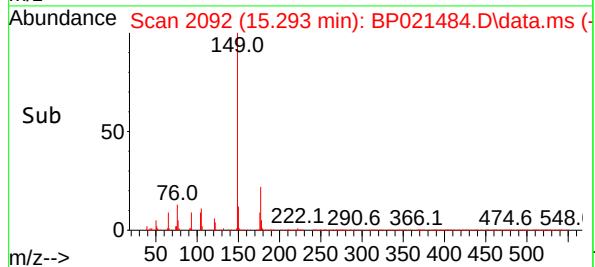
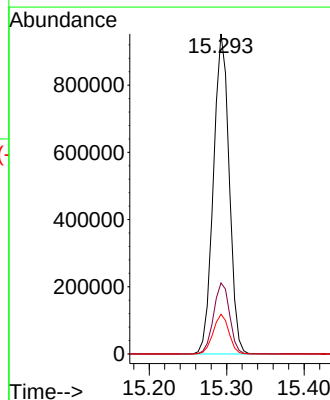
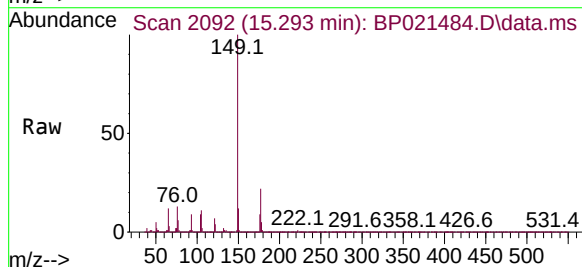
Manual Integrations
APPROVED

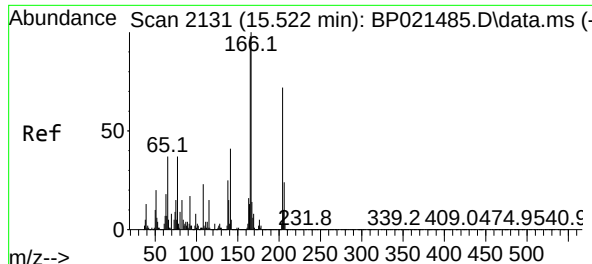
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

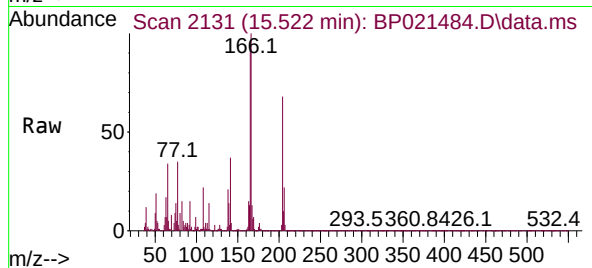
Tgt Ion:149 Resp: 1353063
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.8
150 12.4 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 20.699 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

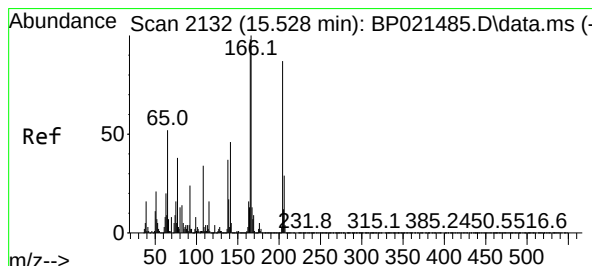
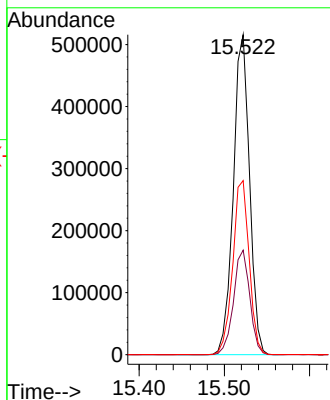
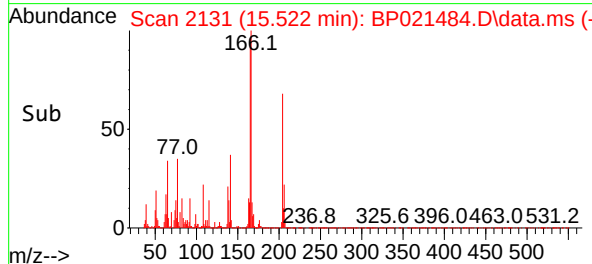
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



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

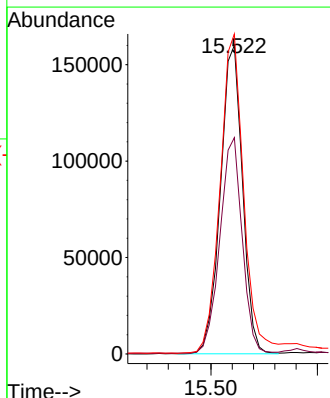
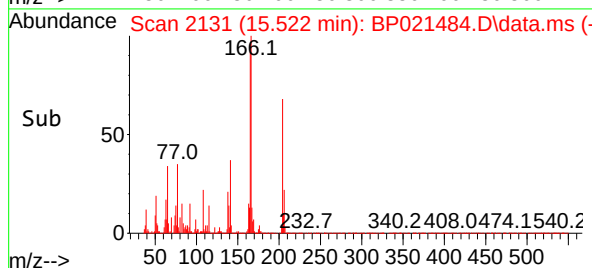
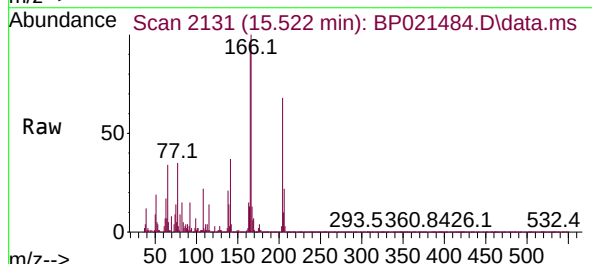
Manual Integrations
APPROVED

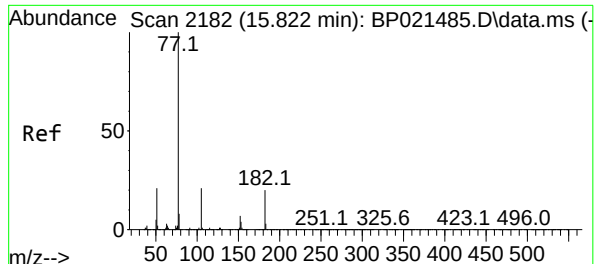
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

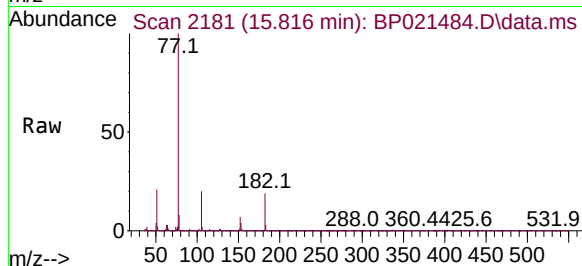
Tgt Ion:138 Resp: 229769
Ion Ratio Lower Upper
138 100
92 70.1 46.4 86.4
108 103.7 73.2 113.2





#63
Azobenzene
Concen: 21.052 ng
RT: 15.816 min Scan# 2182
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

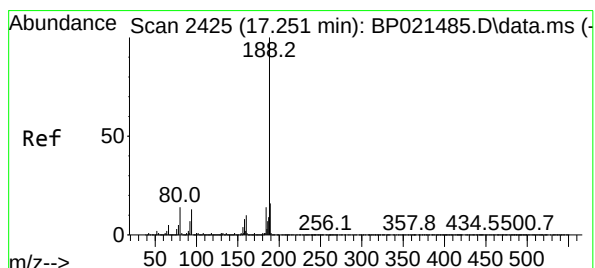
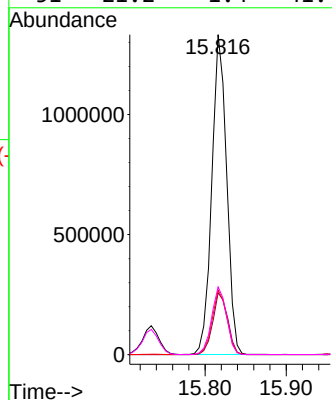
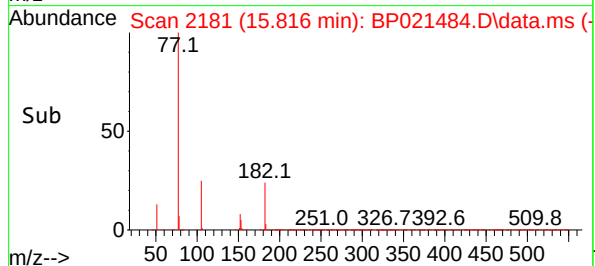
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



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

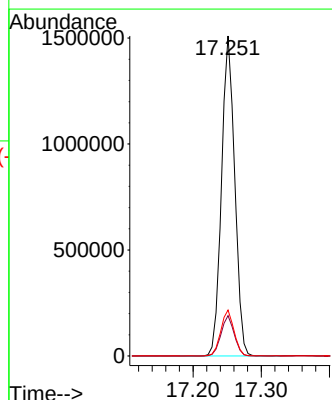
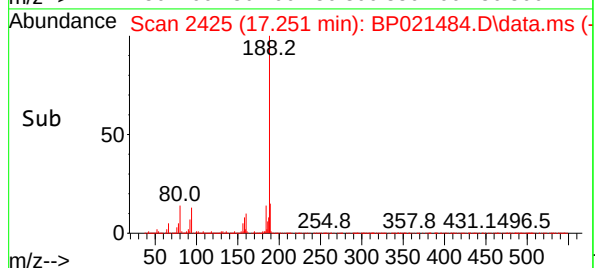
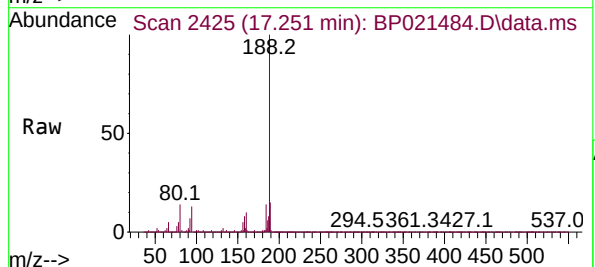
Manual Integrations
APPROVED

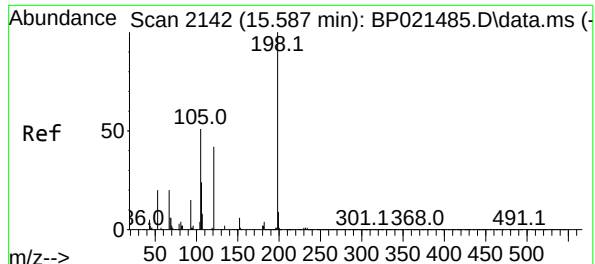
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





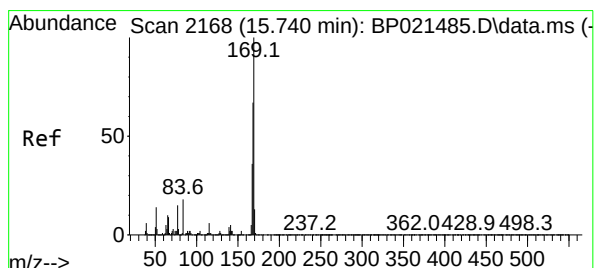
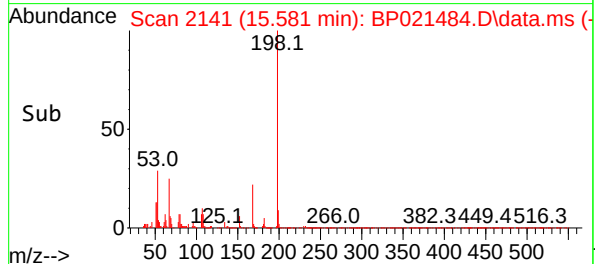
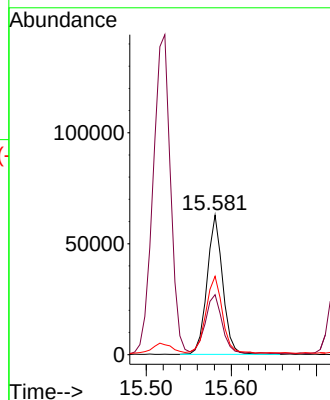
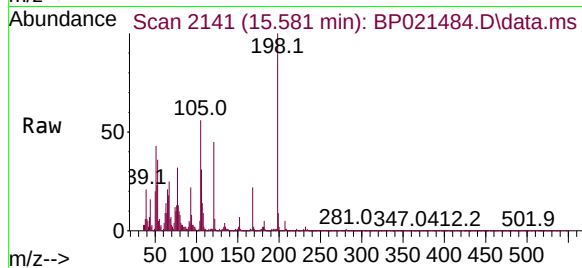
#65
4,6-Dinitro-2-methylphenol
Concen: 19.364 ng
RT: 15.581 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 79397
Ion Ratio Lower Upper
198 100
51 43.0 21.5 61.5
105 56.2 32.9 72.9

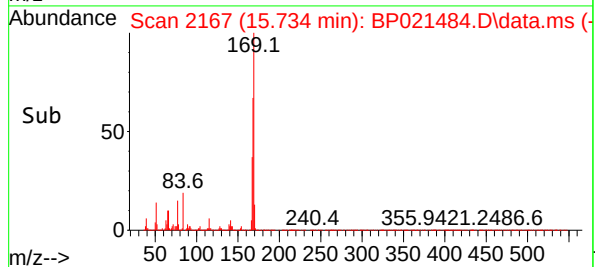
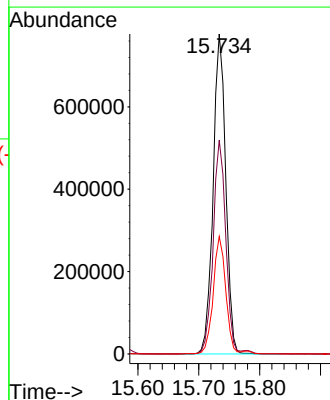
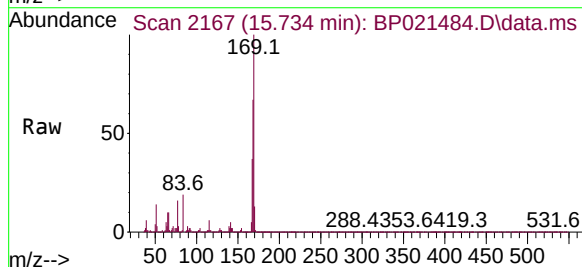
Manual Integrations
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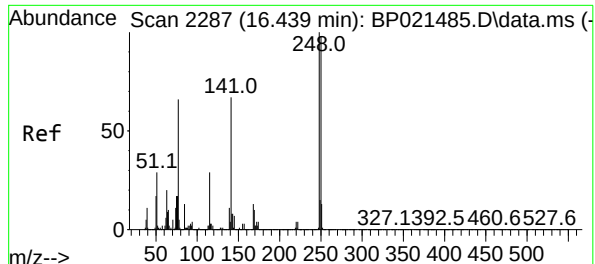
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 21

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:248 Resp: 43216

Ion Ratio Lower Upper

248 100

250 97.7 78.6 117.8

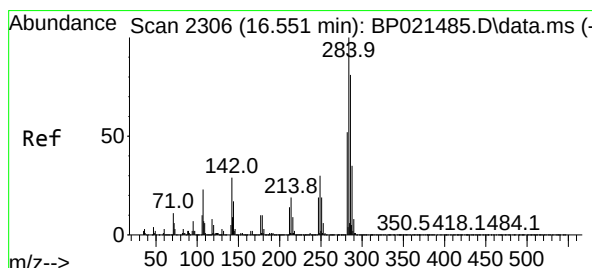
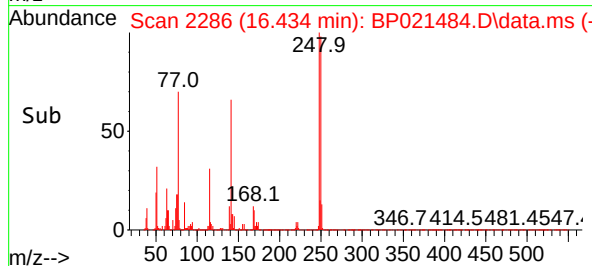
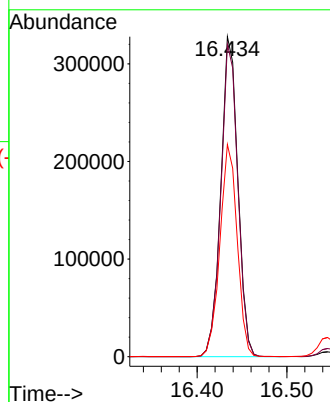
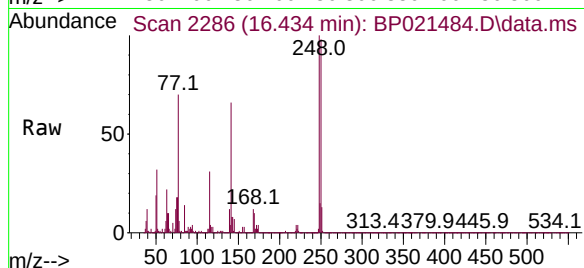
141 66.3 53.9 80.9

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

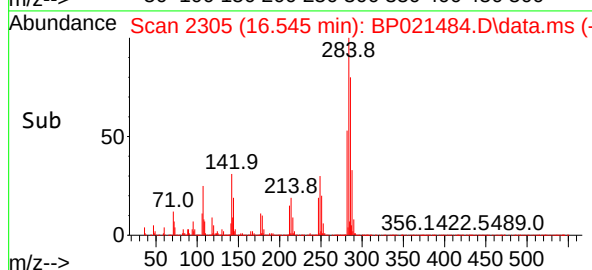
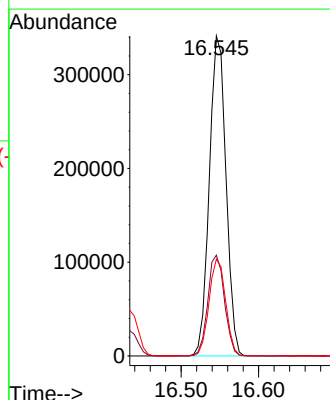
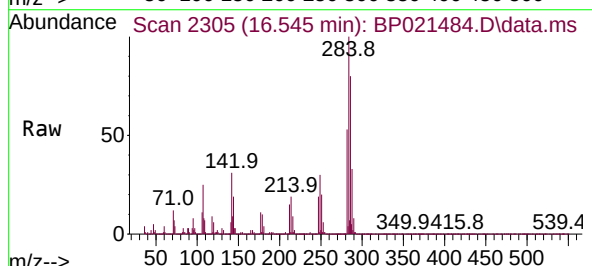
Tgt Ion:284 Resp: 509441

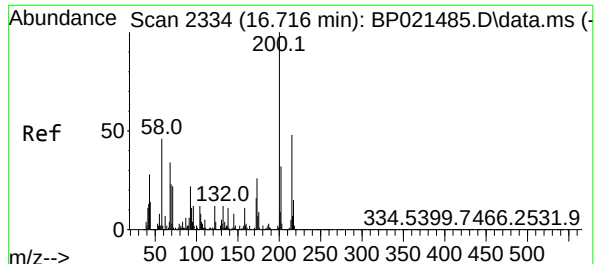
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

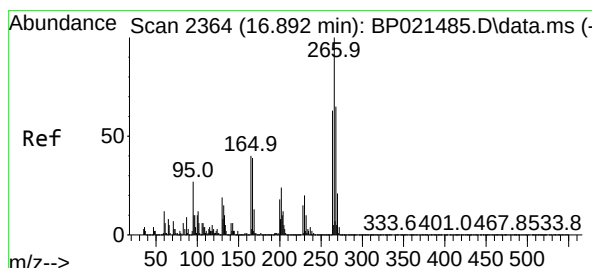
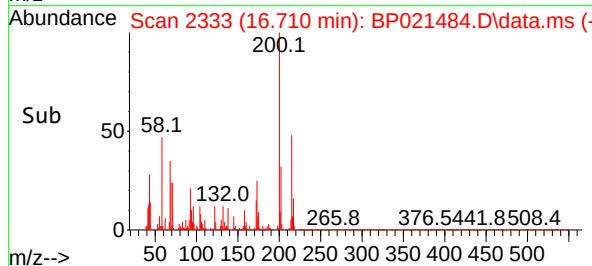
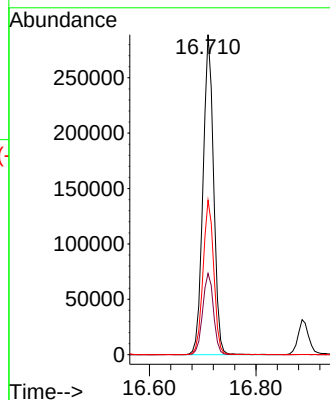
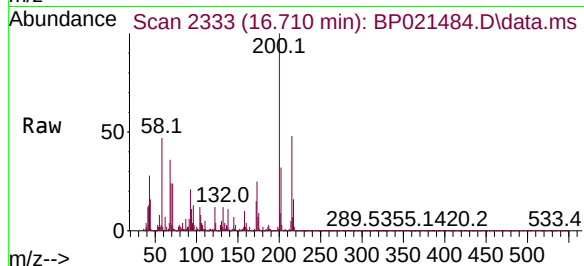
Tgt Ion:200 Resp: 39844

Ion	Ratio	Lower	Upper
200	100		
173	25.4	6.2	46.2
215	48.3	28.4	68.4

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

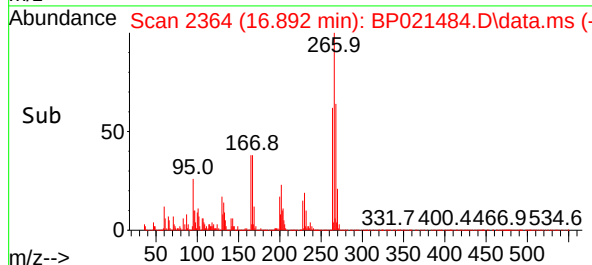
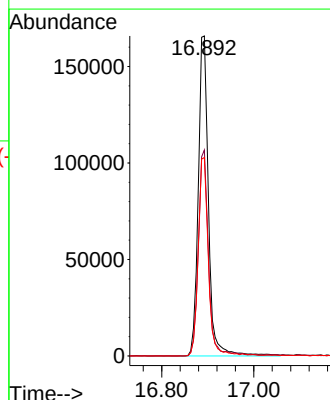
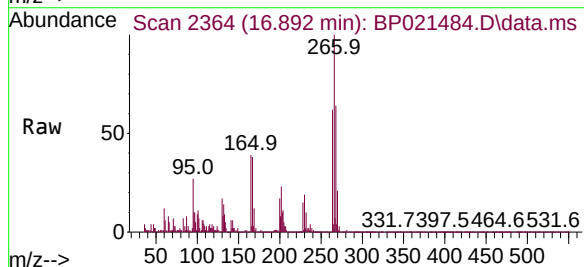
Delta R.T. 0.000 min

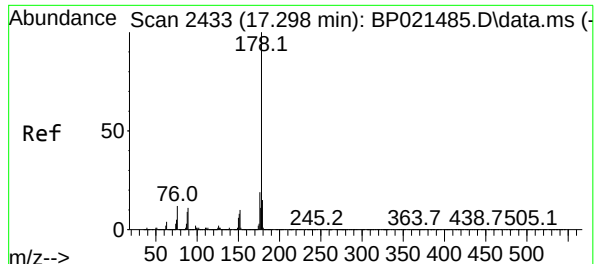
Lab File: BP021484.D

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





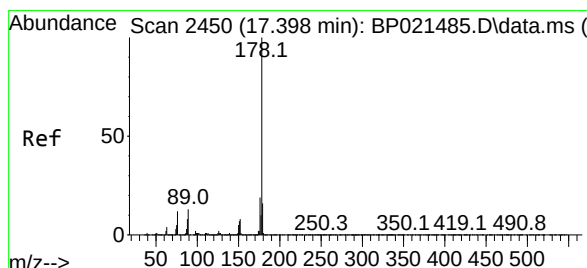
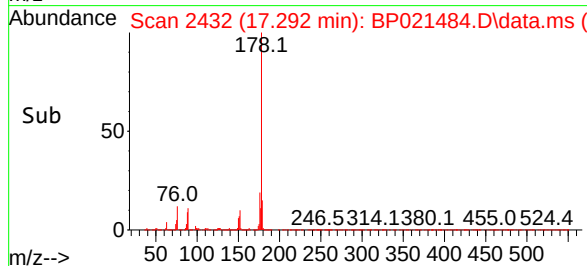
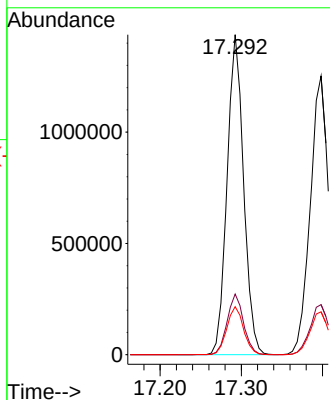
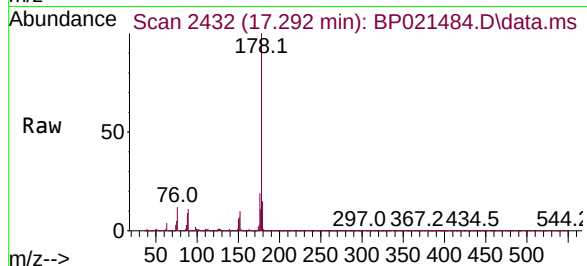
#71
Phenanthrene
Concen: 20.760 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 2033070
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.2
179 15.0 12.4 18.6

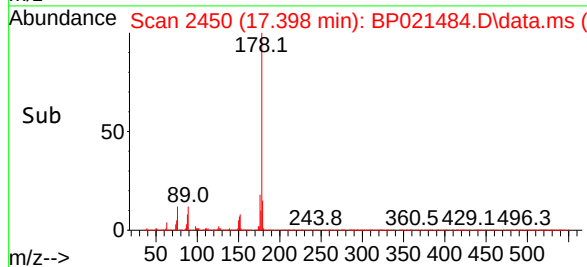
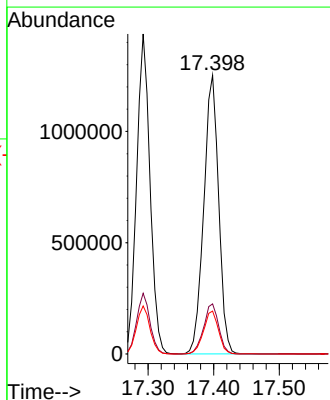
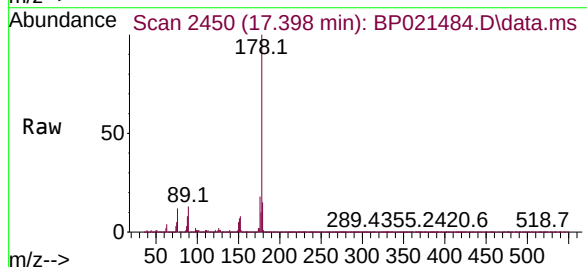
Manual Integrations
APPROVED

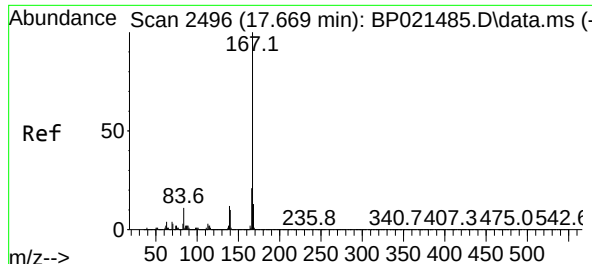
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

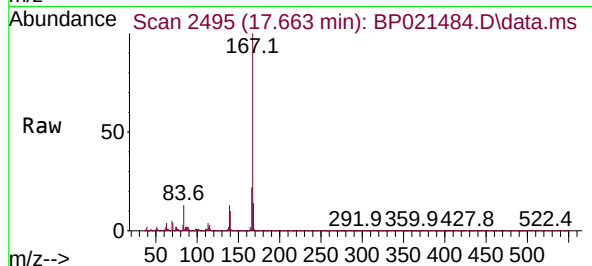
Tgt Ion:178 Resp: 1976030
Ion Ratio Lower Upper
178 100
176 18.0 14.9 22.3
179 15.4 12.5 18.7





#73
Carbazole
Concen: 20.709 ng
RT: 17.663 min Scan# 2495
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

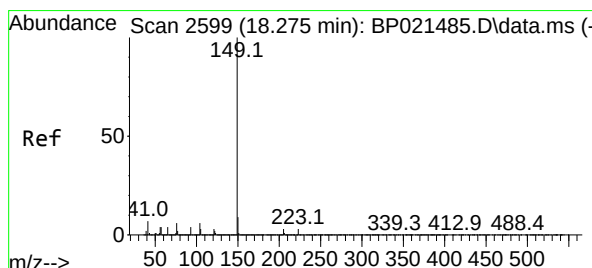
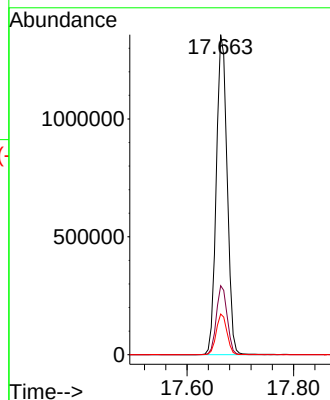
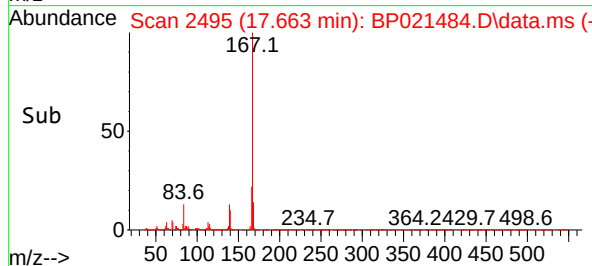
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



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

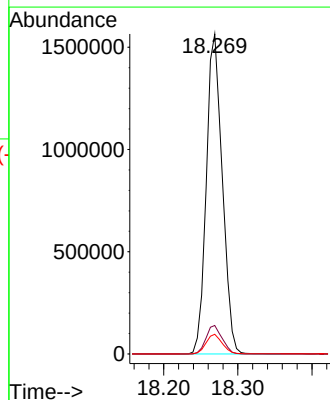
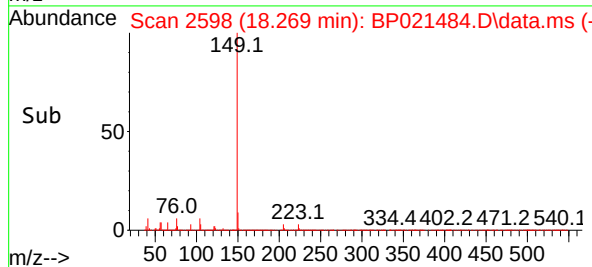
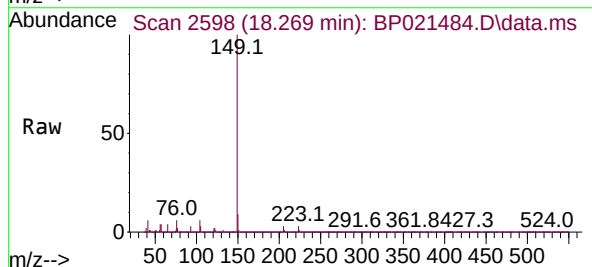
Manual Integrations
APPROVED

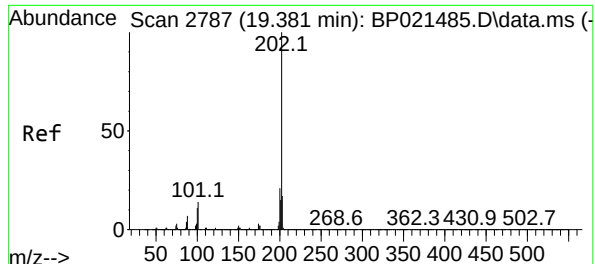
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

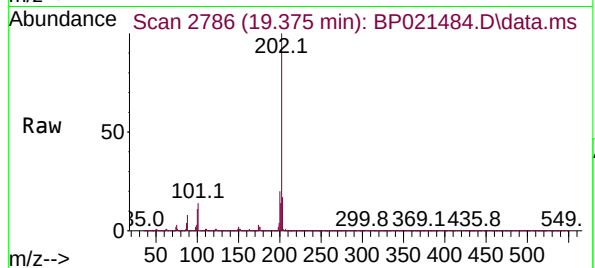
Tgt Ion:149 Resp: 2340289
Ion Ratio Lower Upper
149 100
150 8.9 7.5 11.3
104 6.1 4.9 7.3





#75
Fluoranthene
Concen: 20.902 ng
RT: 19.375 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

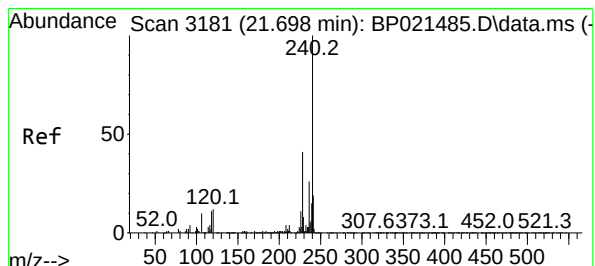
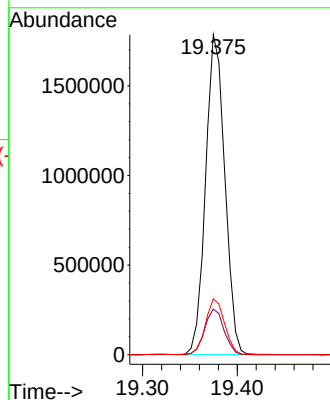
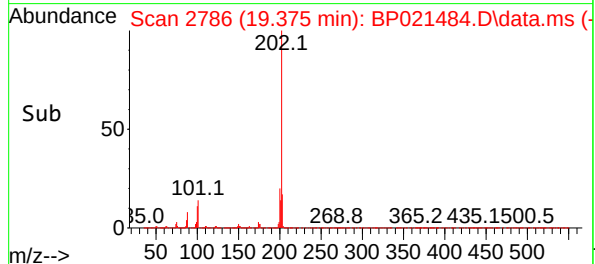
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion:202 Resp: 2511684
Ion Ratio Lower Upper
202 100
101 14.3 0.0 34.0
203 17.4 0.0 37.5

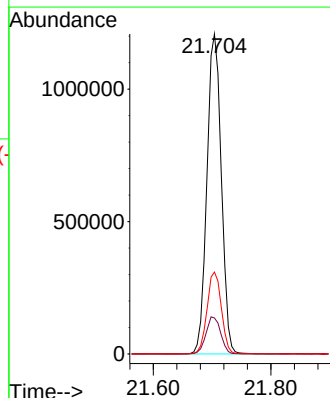
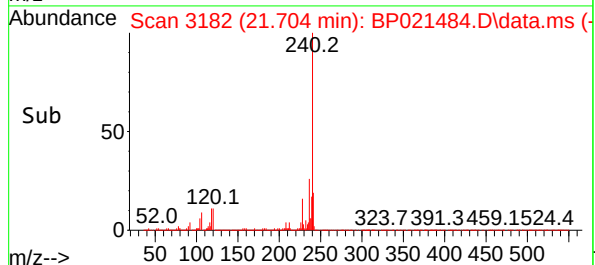
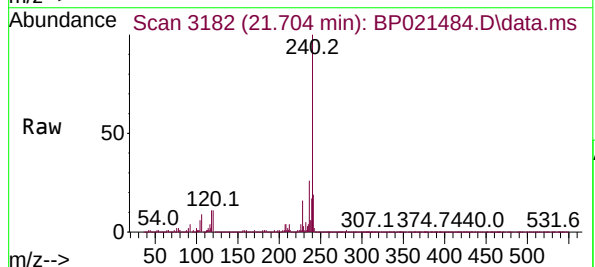
Manual Integrations
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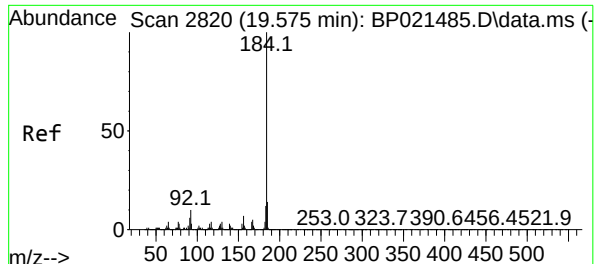
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





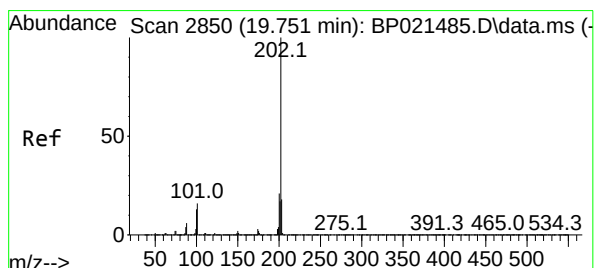
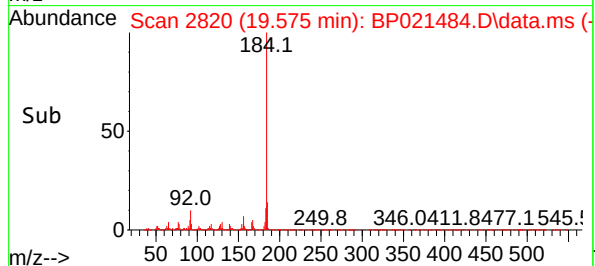
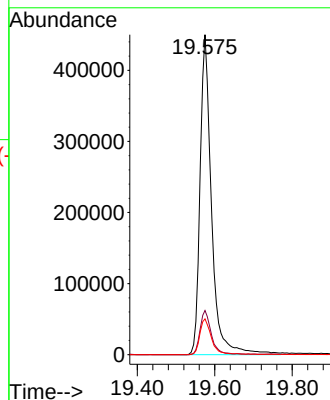
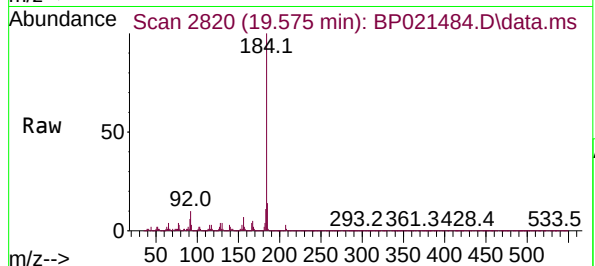
#77
Benzidine
Concen: 20.258 ng
RT: 19.575 min Scan# 2820
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

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

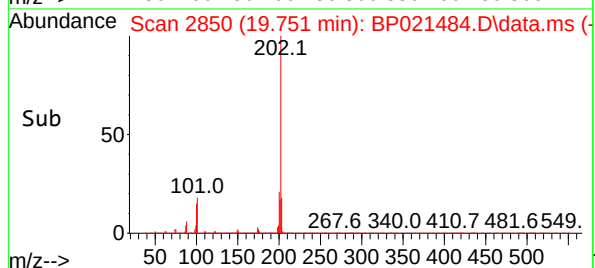
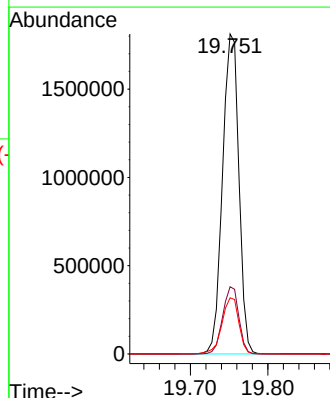
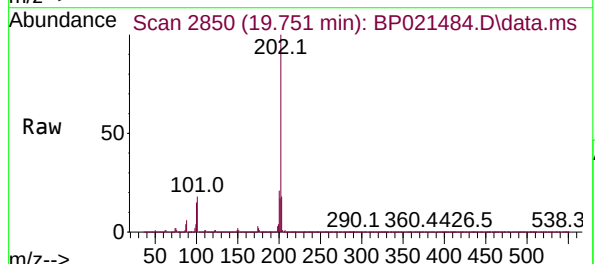
Manual Integrations
APPROVED

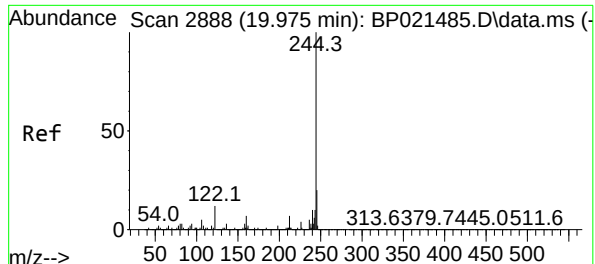
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

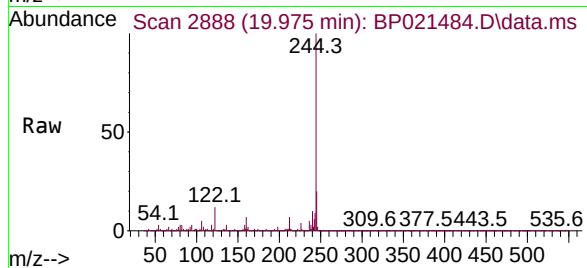
Tgt Ion:202 Resp: 2656705
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.5 14.1 21.1





#79
Terphenyl-d14
Concen: 40.160 ng
RT: 19.975 min Scan# 2888
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

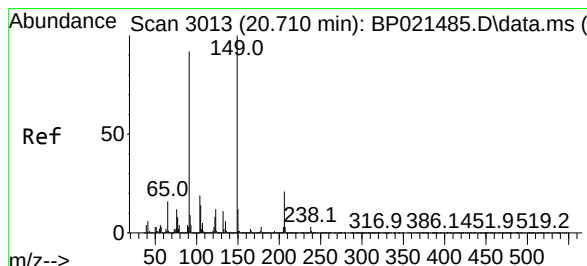
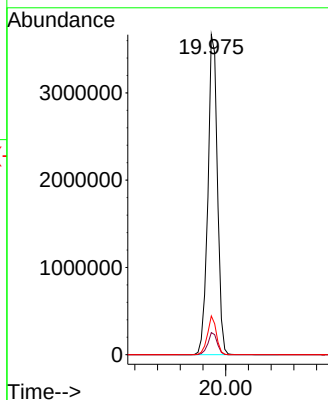
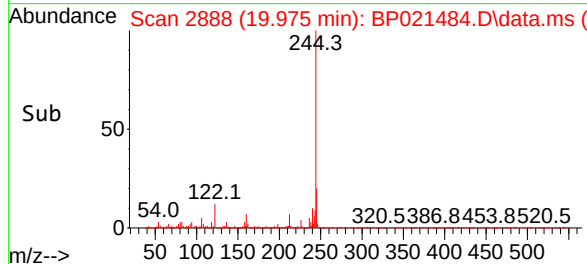
Instrument :
BNA_P
Client Sample Id :
SSTDICC020



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

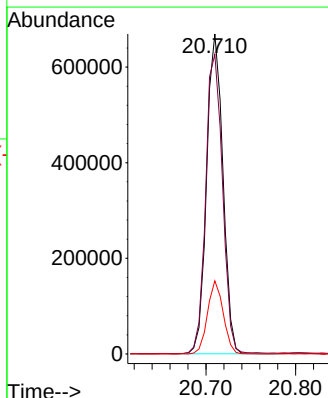
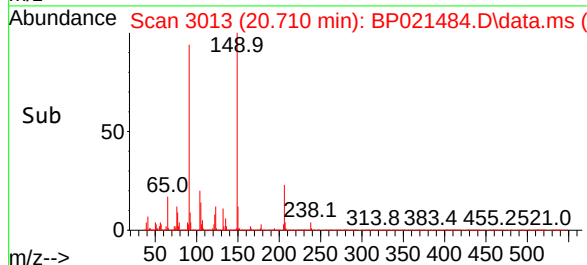
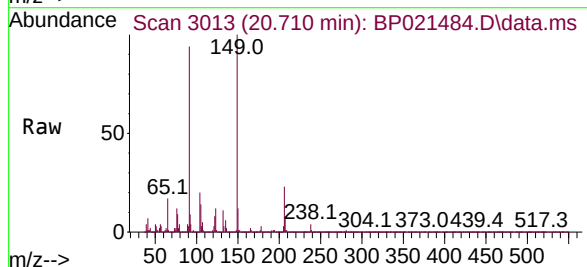
Manual Integrations
APPROVED

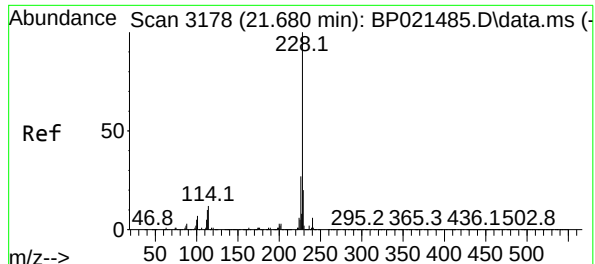
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#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

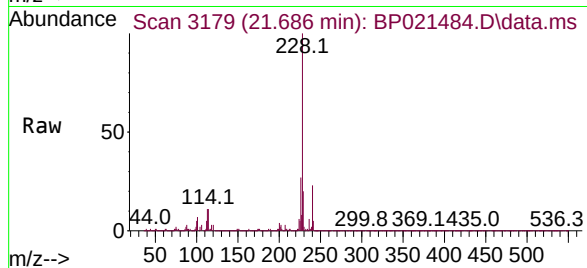
Tgt Ion: 149 Resp: 843482
Ion Ratio Lower Upper
149 100
91 93.7 73.3 109.9
206 22.9 17.1 25.7





#81
Benzo(a)anthracene
Concen: 20.566 ng
RT: 21.686 min Scan# 3179
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

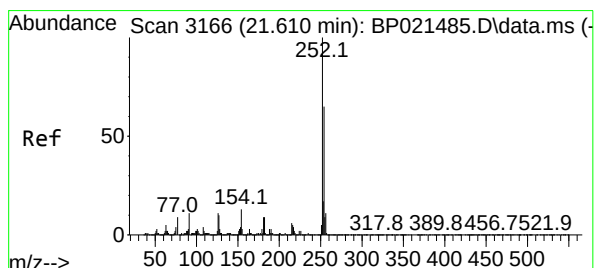
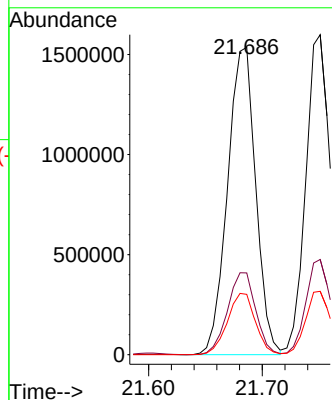
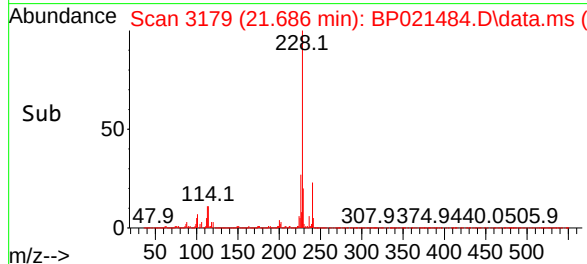
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 2648478
Ion Ratio Lower Upper
228 100
226 26.6 21.4 32.2
229 19.6 15.8 23.6

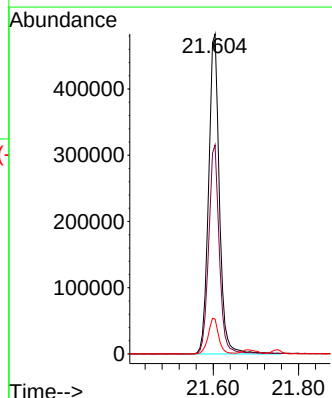
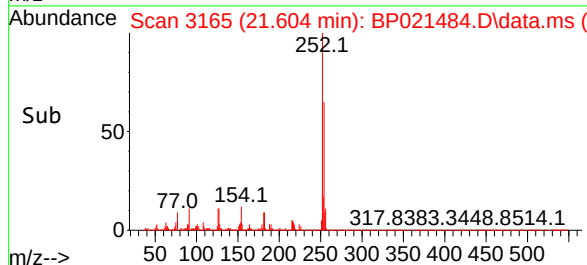
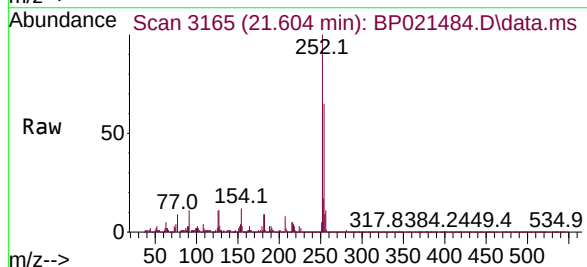
Manual Integrations
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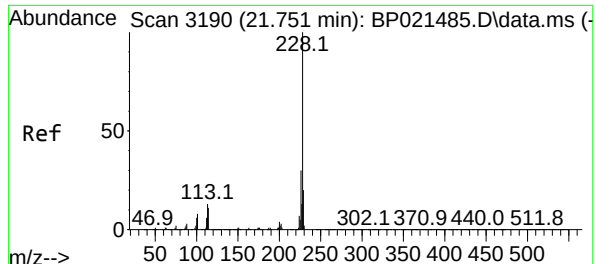
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

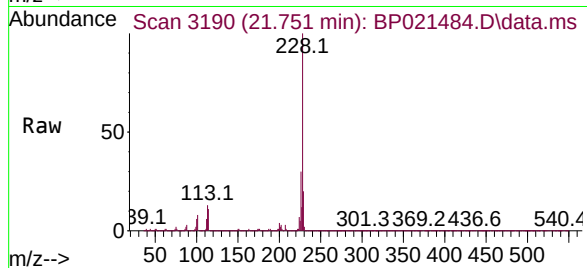
Tgt Ion:252 Resp: 847490
Ion Ratio Lower Upper
252 100
254 65.3 51.7 77.5
126 10.9 8.7 13.1





#83
Chrysene
Concen: 20.336 ng
RT: 21.751 min Scan# 3190
Delta R.T. 0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

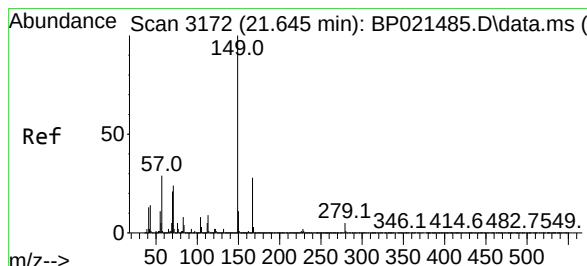
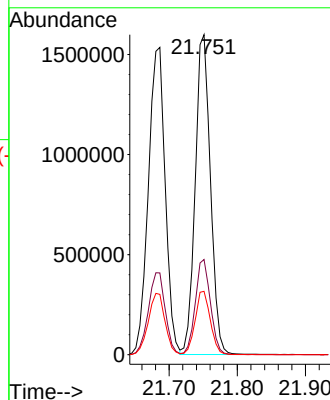
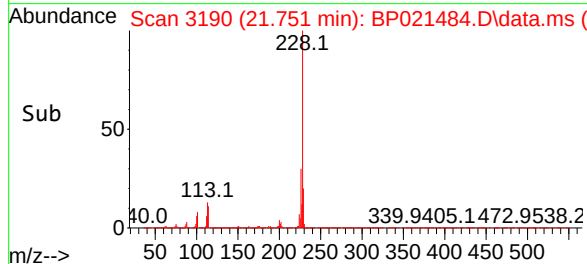
Instrument :
BNA_P
Client Sample Id :
SSTDICC020



Tgt Ion: 228 Resp: 2472528
Ion Ratio Lower Upper
228 100
226 29.7 23.9 35.9
229 19.8 15.8 23.6

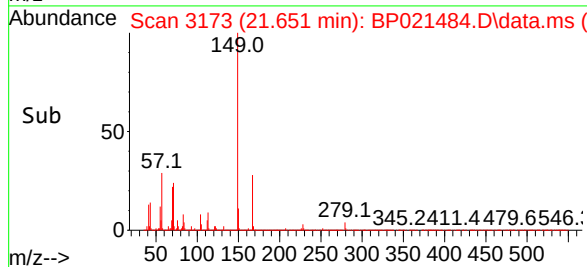
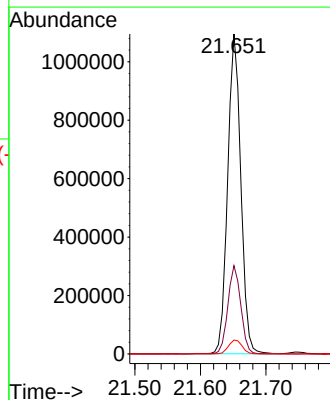
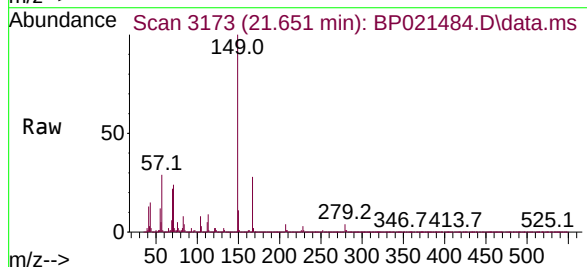
Manual Integrations
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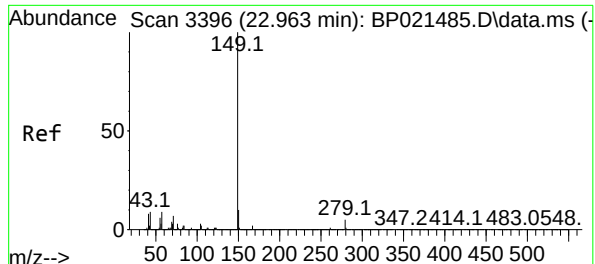
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#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

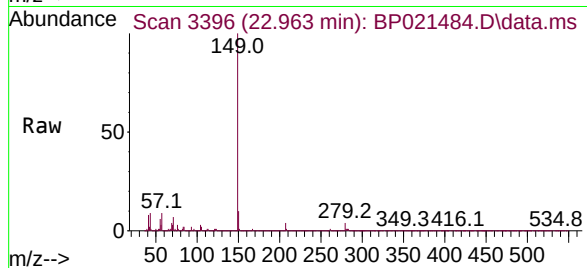
Tgt Ion: 149 Resp: 1520788
Ion Ratio Lower Upper
149 100
167 27.6 22.3 33.5
279 4.3 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 20.217 ng
RT: 22.963 min Scan# 31
Delta R.T. -0.000 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

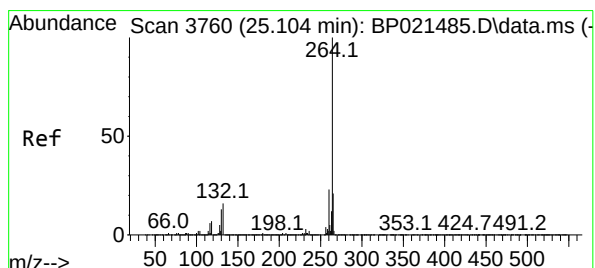
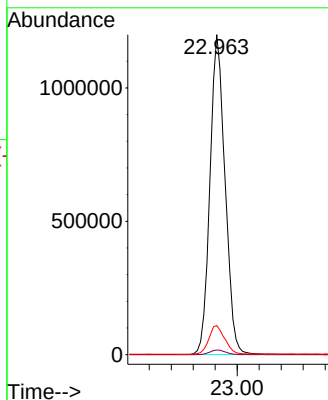
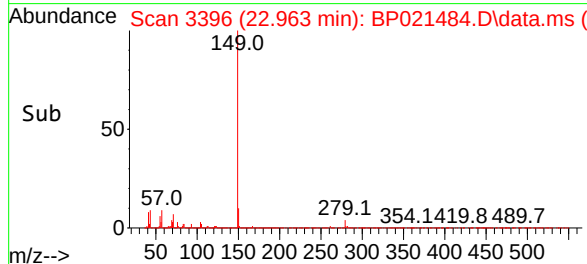
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



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

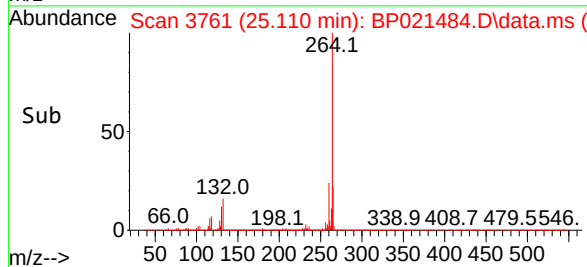
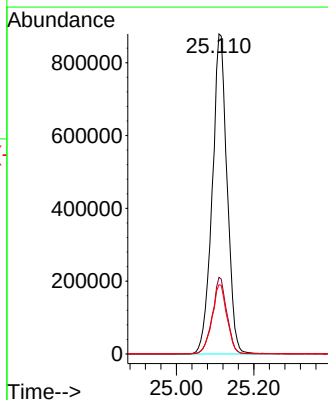
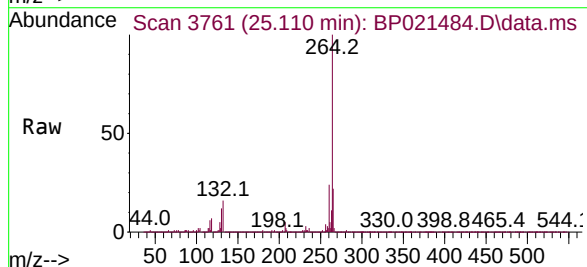
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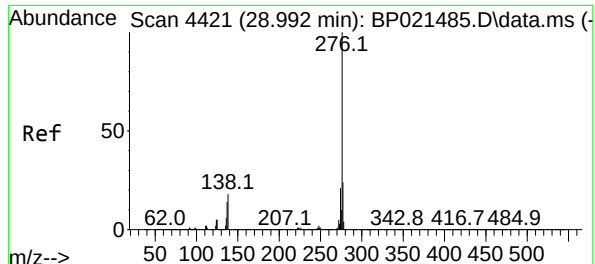
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.110 min Scan# 3761
Delta R.T. 0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

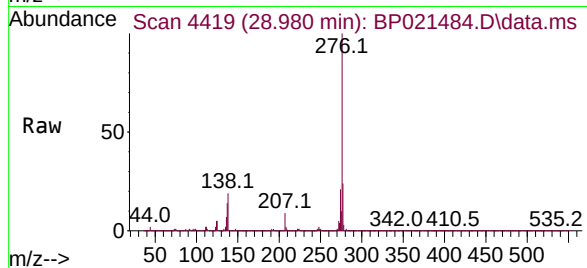
Tgt Ion:264 Resp: 2332049
Ion Ratio Lower Upper
264 100
260 23.9 18.6 28.0
265 21.7 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 20.320 ng m
RT: 28.980 min Scan# 4421
Delta R.T. -0.012 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

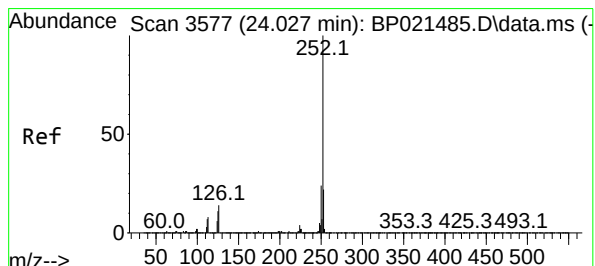
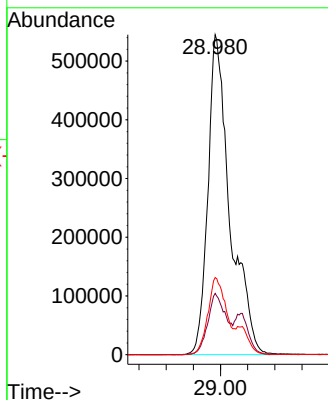
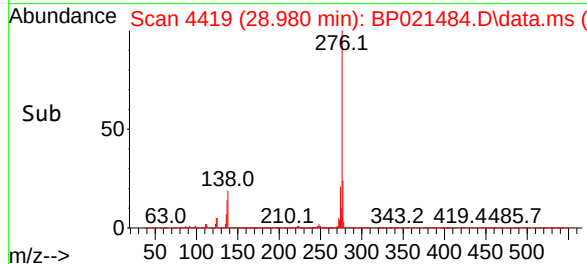
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



Tgt Ion: 276 Resp: 3071370
Ion Ratio Lower Upper
276 100
138 16.1 12.8 19.2
277 20.7 16.5 24.7

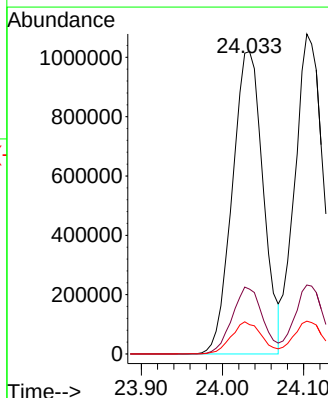
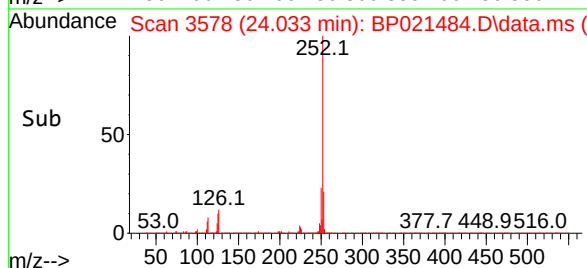
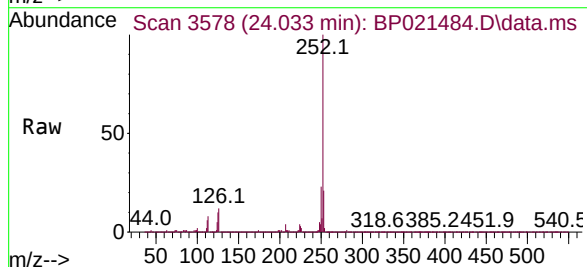
Manual Integrations
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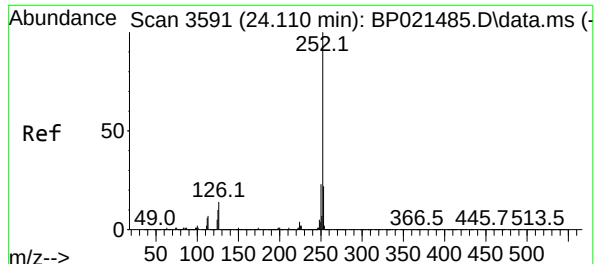
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#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# 3590

Delta R.T. -0.006 min

Lab File: BP021484.D

Acq: 13 Aug 2024 14:42

Instrument :

BNA_P

ClientSampleId :

SSTDICC020

Tgt Ion:252 Resp: 2620830

Ion Ratio Lower Upper

252 100

253 21.5 17.5 26.3

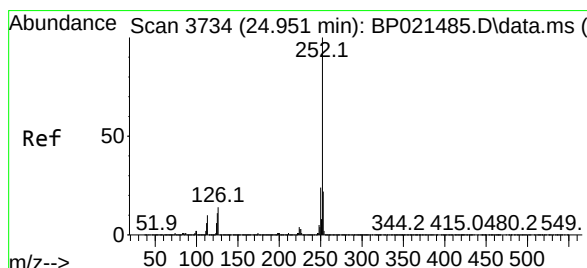
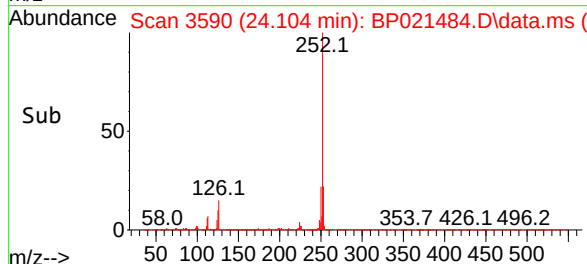
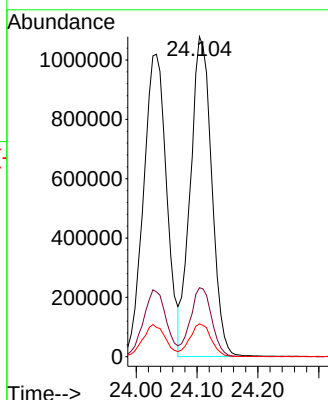
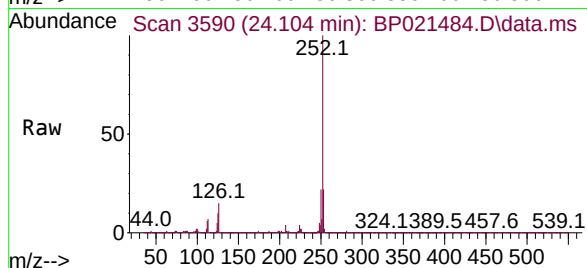
125 10.2 7.8 11.8

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

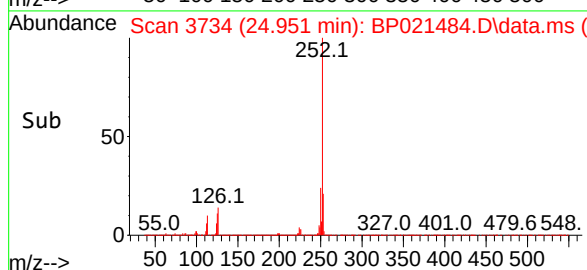
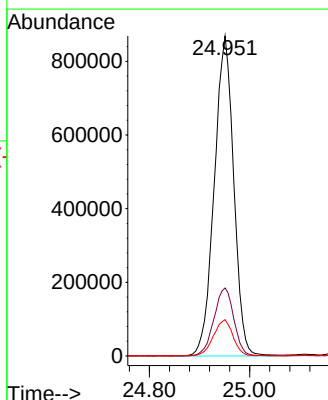
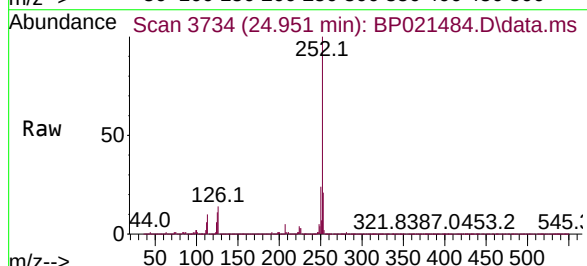
Tgt Ion:252 Resp: 2339364

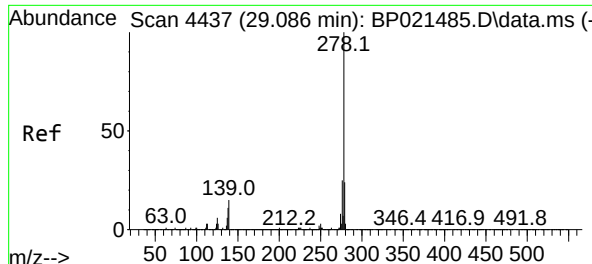
Ion Ratio Lower Upper

252 100

253 21.2 17.7 26.5

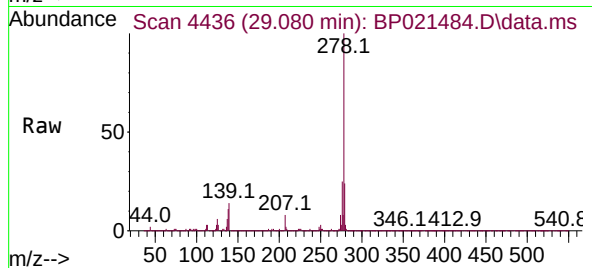
125 11.3 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 20.539 ng
RT: 29.080 min Scan# 4437
Delta R.T. -0.006 min
Lab File: BP021484.D
Acq: 13 Aug 2024 14:42

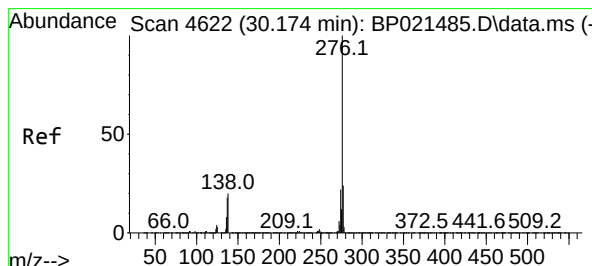
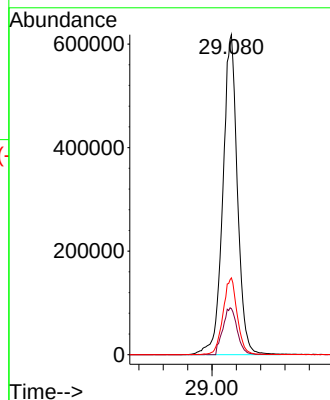
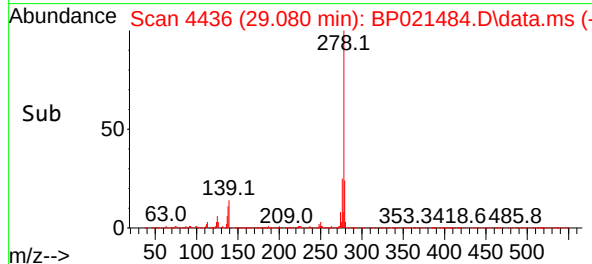
Instrument :
BNA_P
ClientSampleId :
SSTDICC020



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

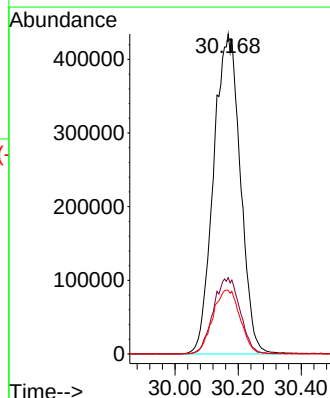
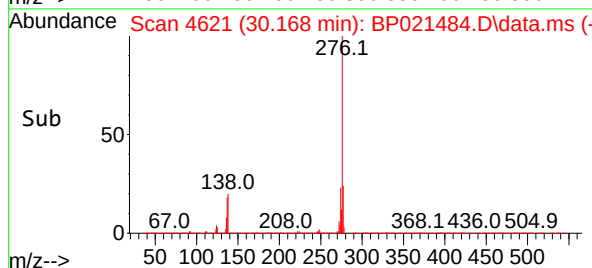
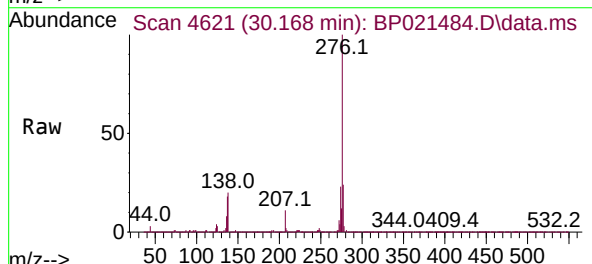
Manual Integrations
APPROVED

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

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

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

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

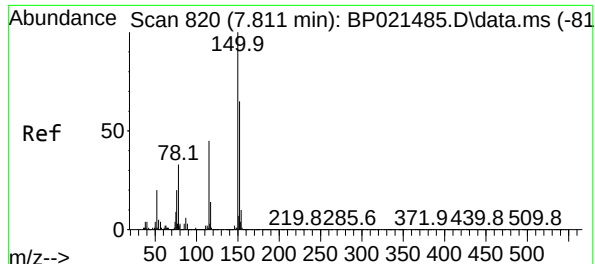
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Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Manual Integrations

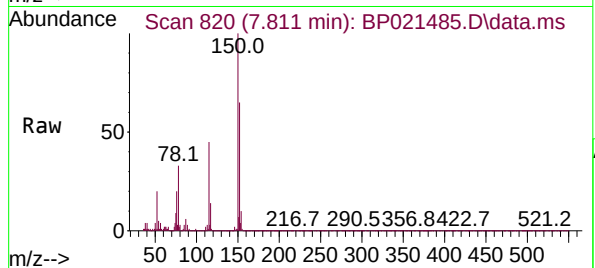
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.811 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

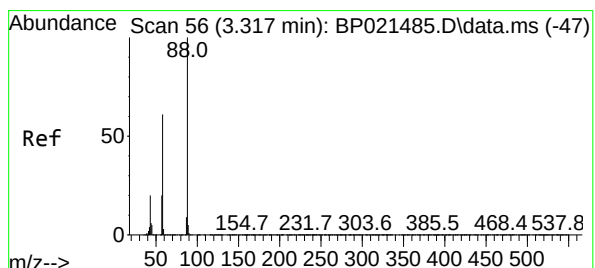
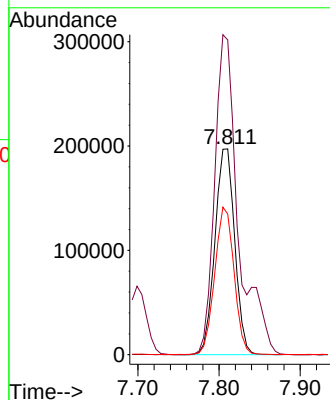
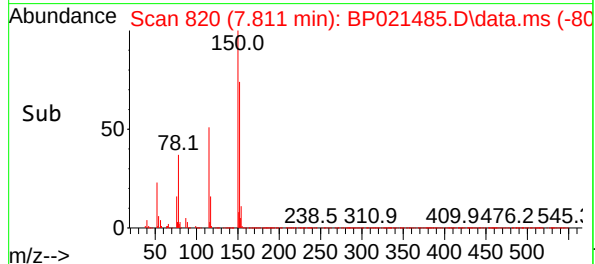
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



Tgt Ion: 152 Resp: 334672
Ion Ratio Lower Upper
152 100
150 153.0 122.4 183.6
115 68.4 54.7 82.1

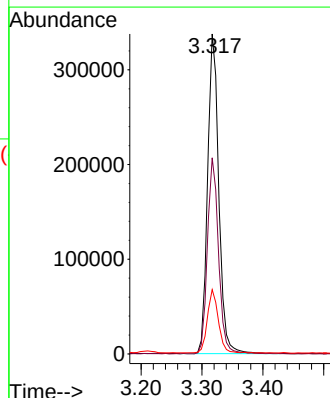
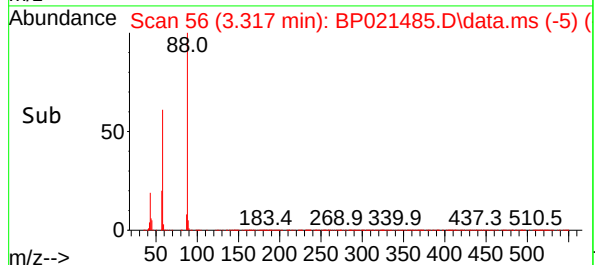
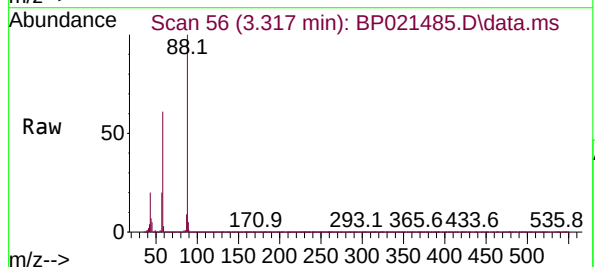
Manual Integrations
APPROVED

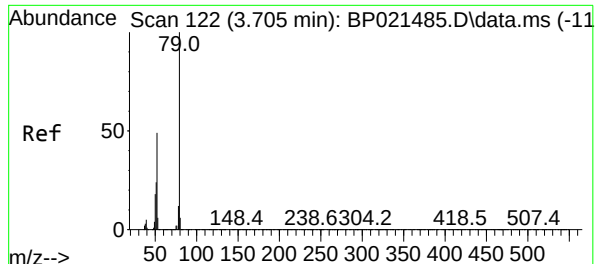
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

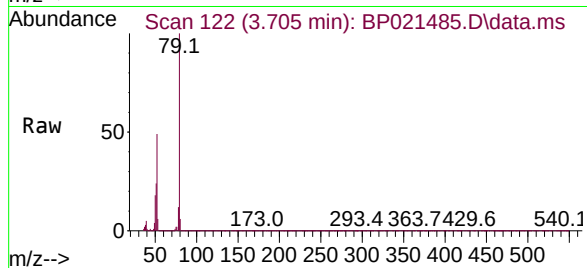
Tgt Ion: 88 Resp: 429612
Ion Ratio Lower Upper
88 100
58 60.9 48.7 73.1
43 19.3 15.4 23.2





#3
Pyridine
Concen: 40.419 ng m
RT: 3.705 min Scan# 122
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

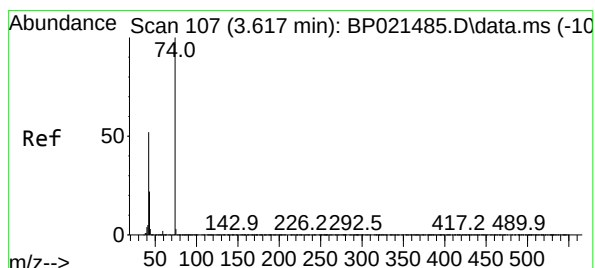
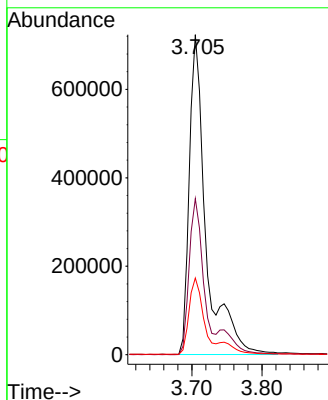
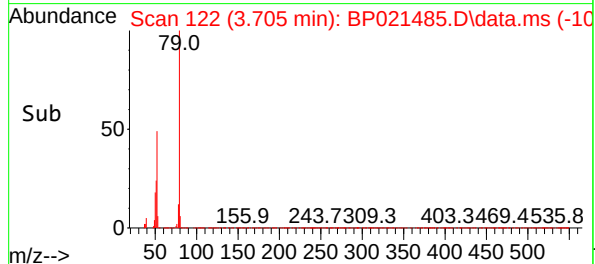
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



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

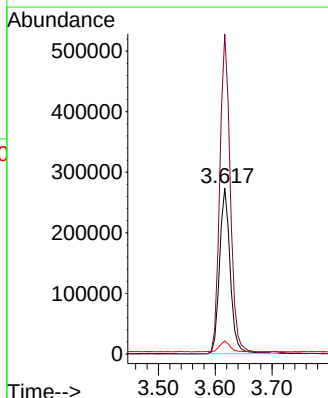
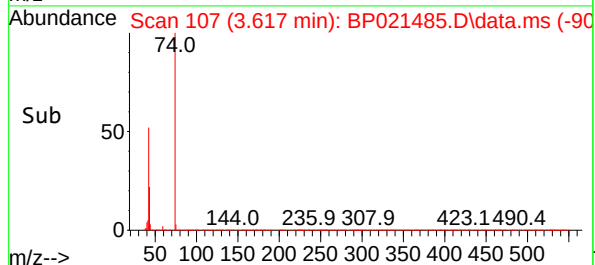
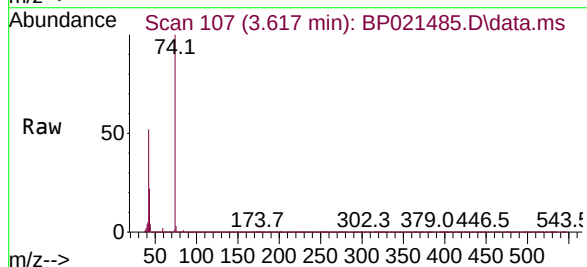
Manual Integrations
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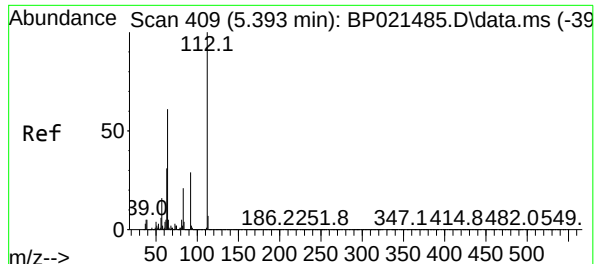
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





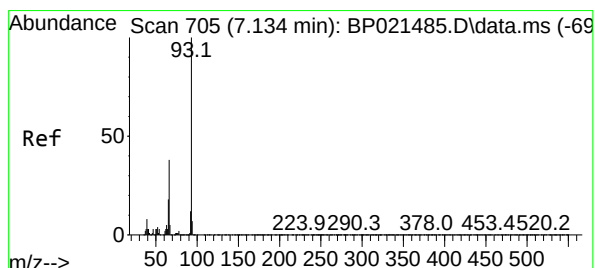
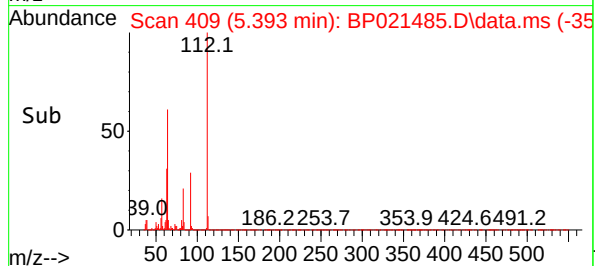
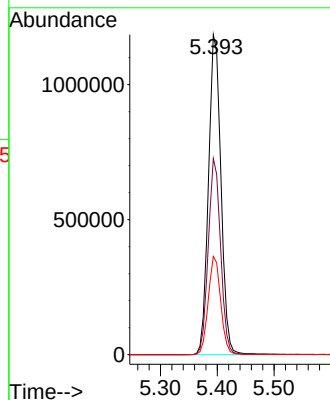
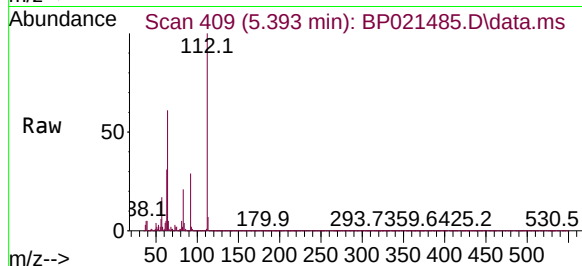
#5
2-Fluorophenol
Concen: 80.056 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1804372
Ion Ratio Lower Upper
112 100
64 61.3 49.0 73.6
63 30.7 24.6 36.8

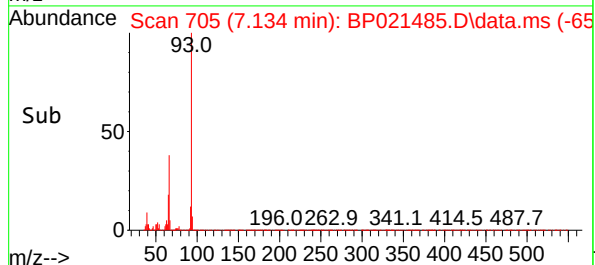
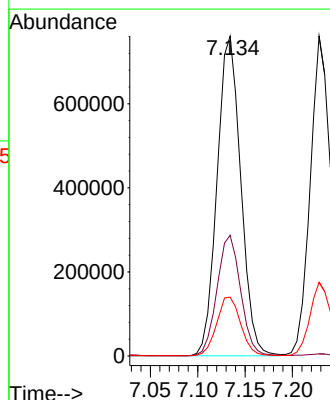
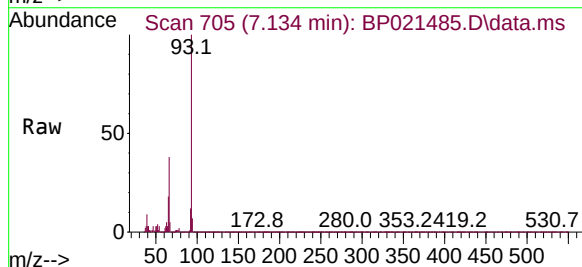
Manual Integrations
APPROVED

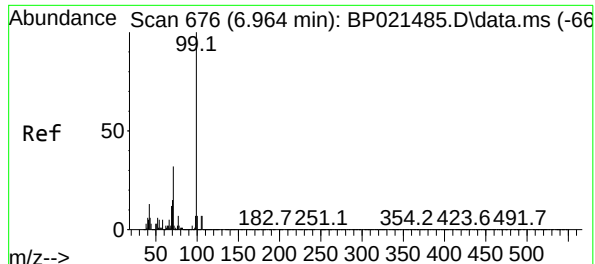
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 676

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion: 99 Resp: 2647910

Ion Ratio Lower Upper

99 100

42 12.8 10.2 15.4

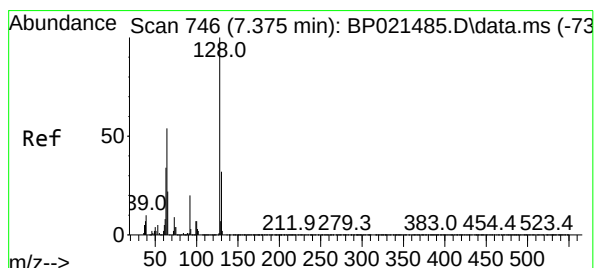
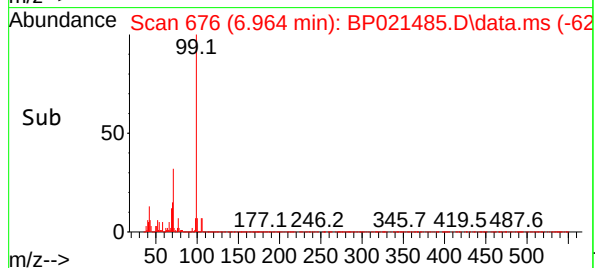
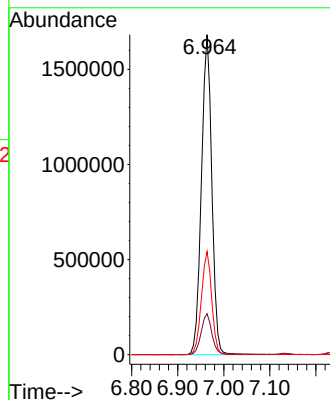
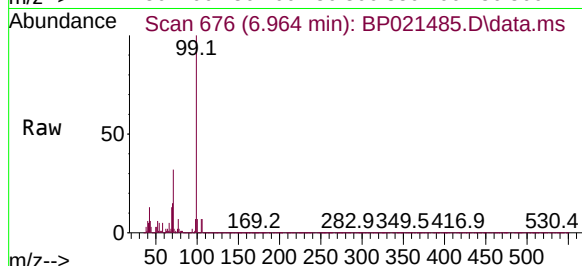
71 32.3 25.8 38.8

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

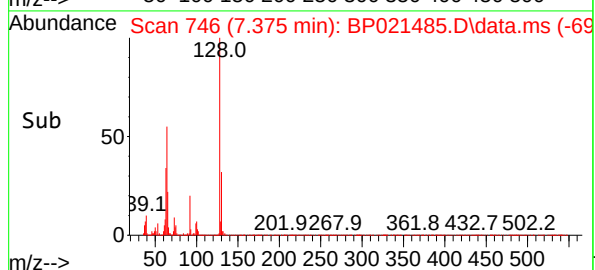
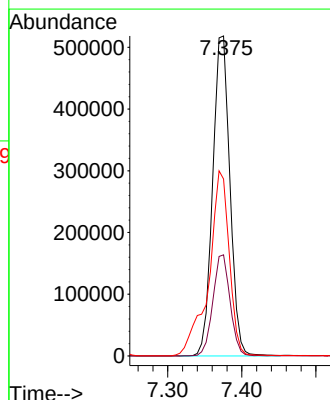
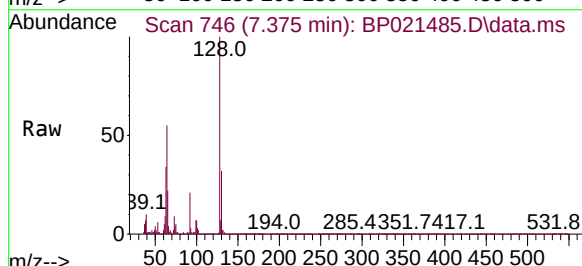
Tgt Ion:128 Resp: 836602

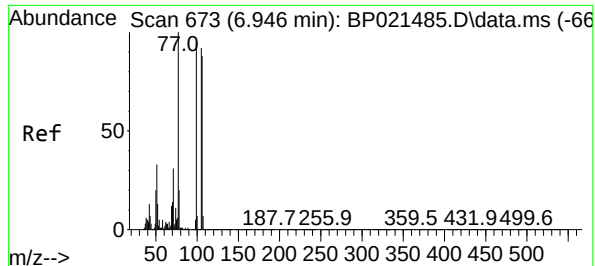
Ion Ratio Lower Upper

128 100

130 31.6 11.6 51.6

64 55.3 35.3 75.3





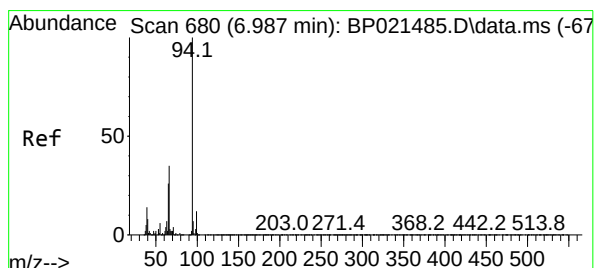
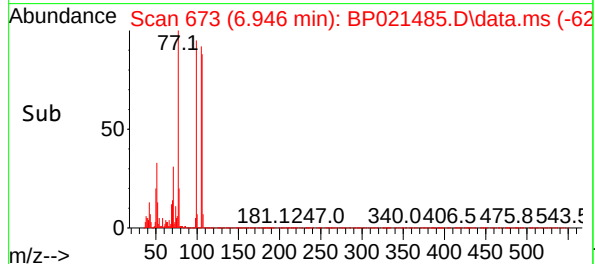
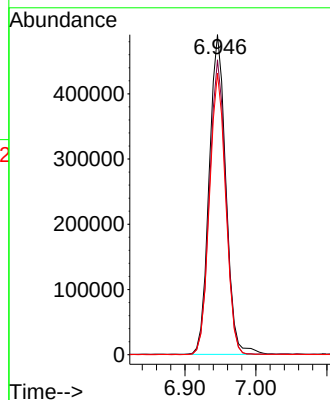
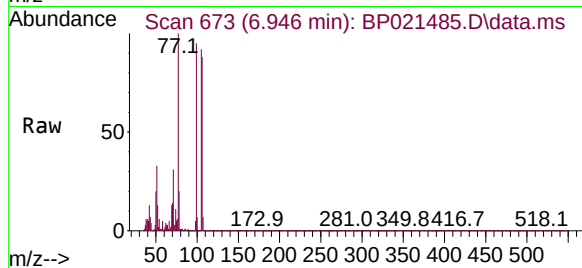
#9
Benzaldehyde
Concen: 38.095 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 801968
Ion Ratio Lower Upper
77 100
105 92.1 72.1 112.1
106 87.9 67.9 107.9

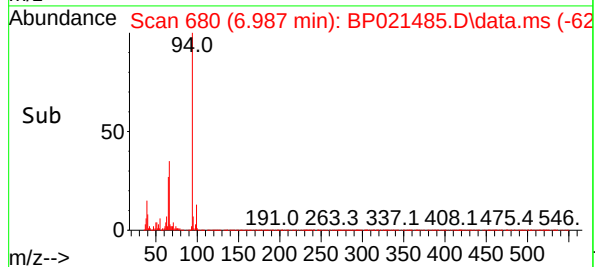
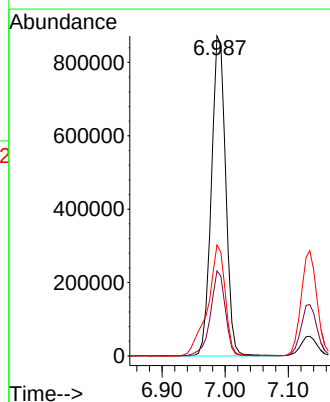
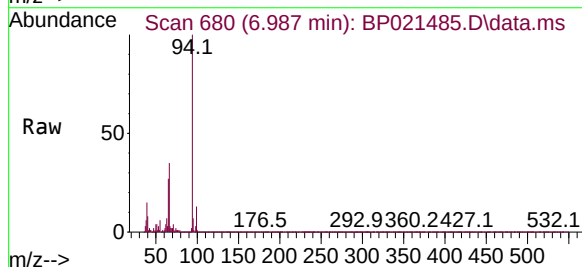
Manual Integrations
APPROVED

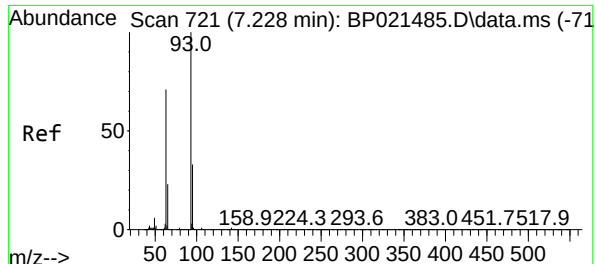
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 721

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion: 93 Resp: 113933

Ion Ratio Lower Upper

93 100

63 71.0 51.0 91.0

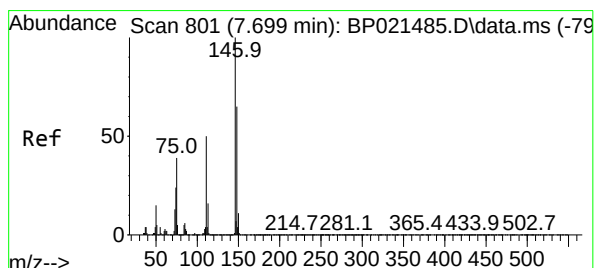
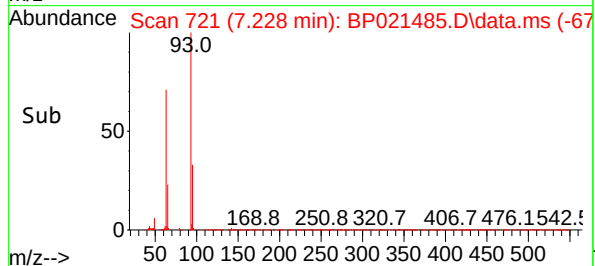
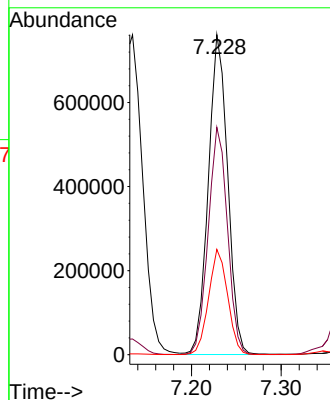
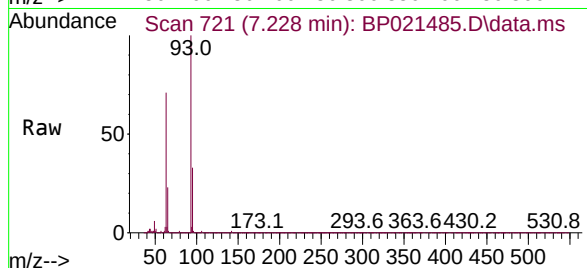
95 32.9 12.9 52.9

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

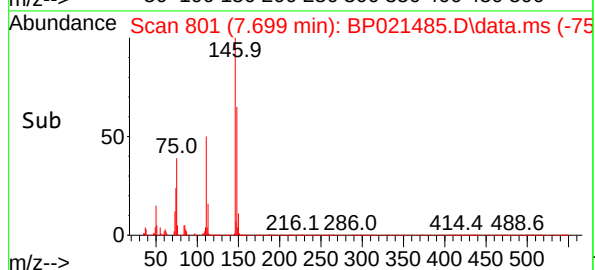
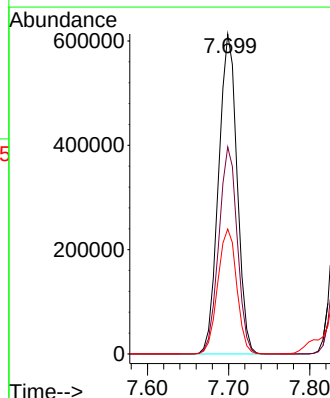
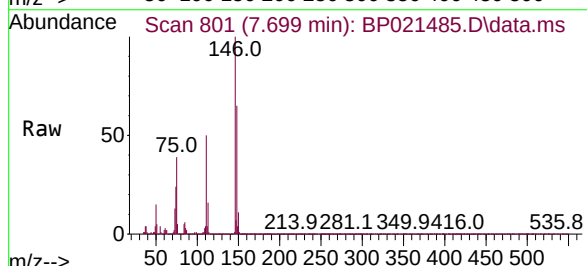
Tgt Ion:146 Resp: 972133

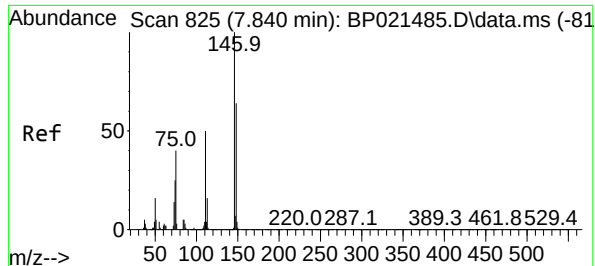
Ion Ratio Lower Upper

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# 81

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 98704

Ion Ratio Lower Upper

146 100

148 64.4 51.5 77.3

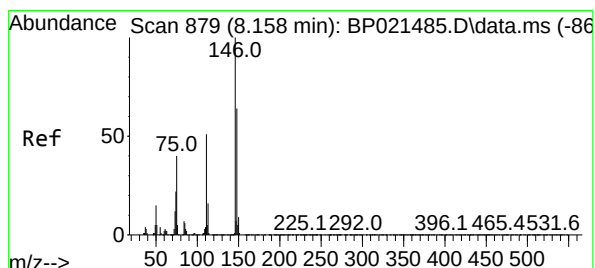
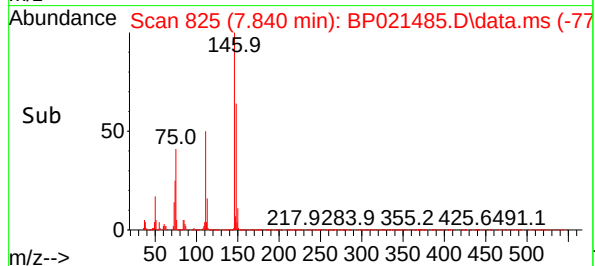
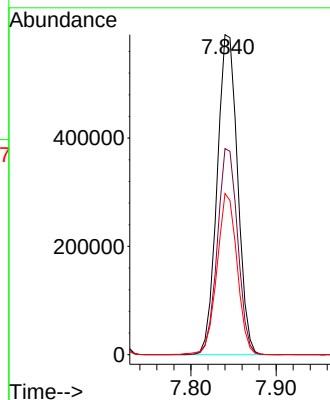
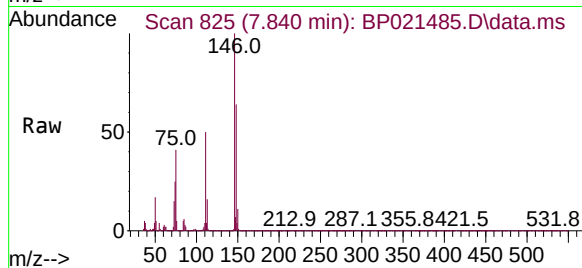
111 50.4 40.3 60.5

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

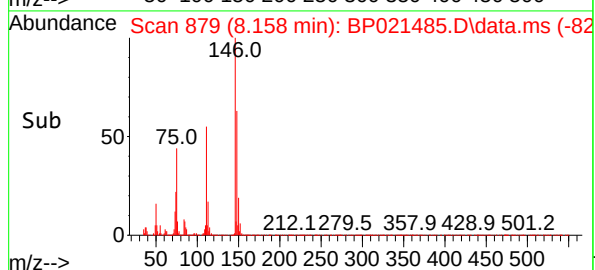
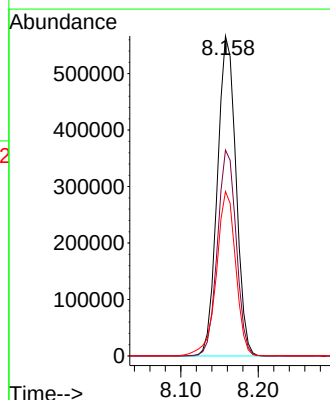
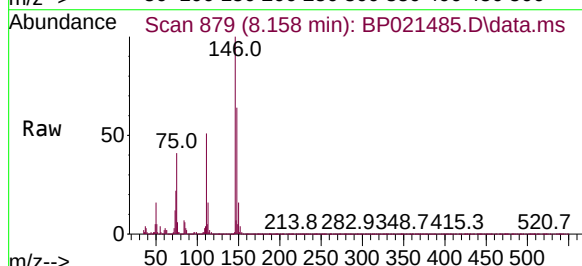
Tgt Ion:146 Resp: 943886

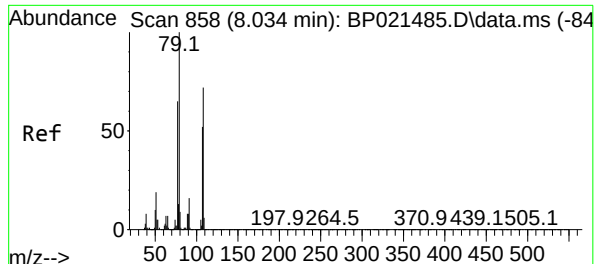
Ion Ratio Lower Upper

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# 858

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 947378

Ion Ratio Lower Upper

79 100

108 72.4 57.9 86.9

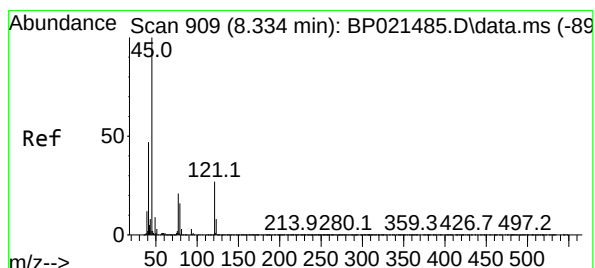
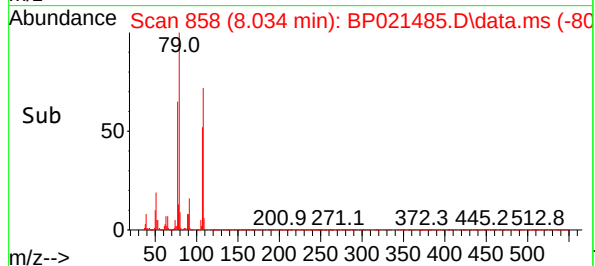
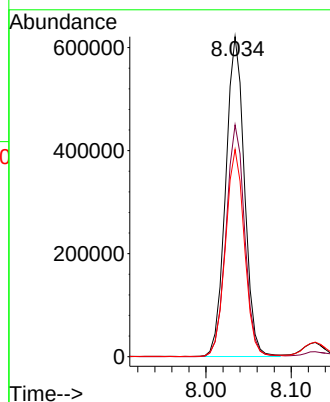
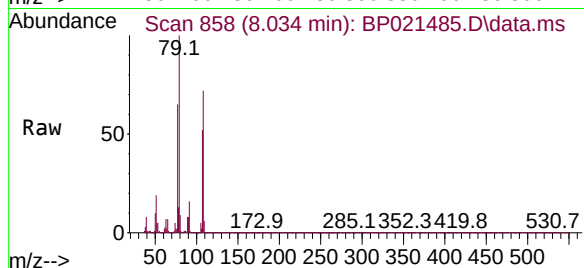
77 64.8 51.8 77.8

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

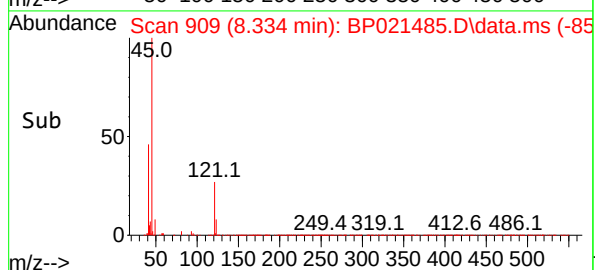
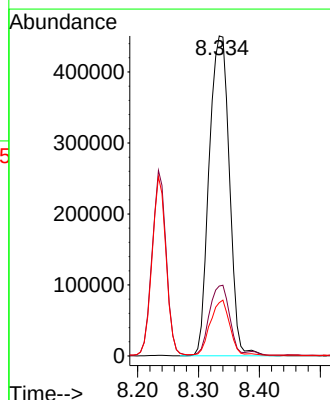
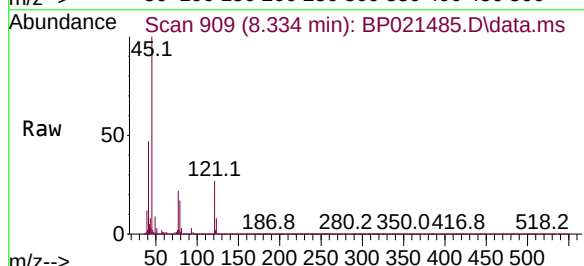
Tgt Ion: 45 Resp: 1035140

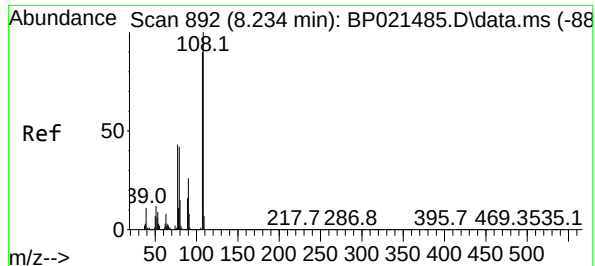
Ion Ratio Lower Upper

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# 892

Delta R.T. 0.000 min

Lab File: BP021485.D

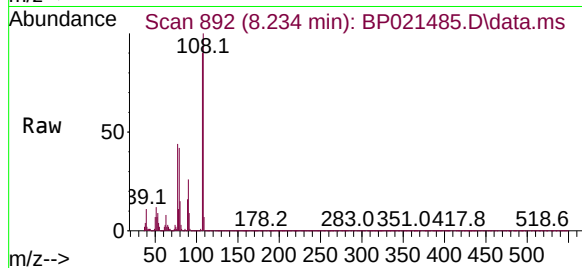
Acq: 13 Aug 2024 15:26

Instrument :

BNA_P

Client Sample Id :

SSTDICCC040



Tgt Ion:107 Resp: 863170

Ion Ratio Lower Upper

107 100

108 111.0 88.8 133.2

77 48.4 38.7 58.1

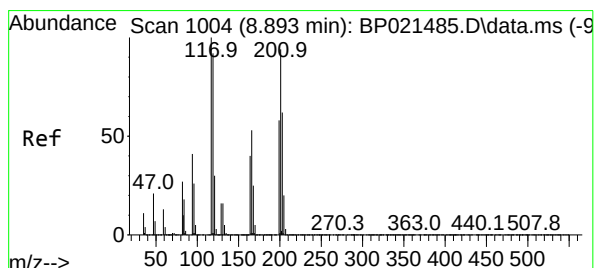
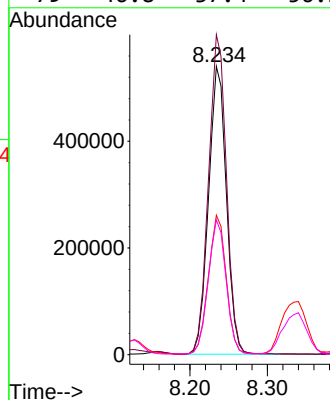
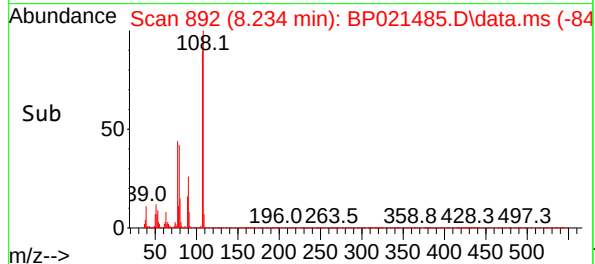
79 46.8 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#18

Hexachloroethane

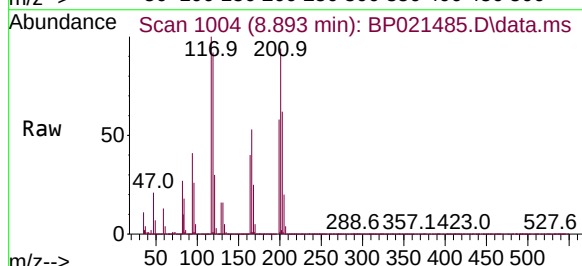
Concen: 39.668 ng

RT: 8.893 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26



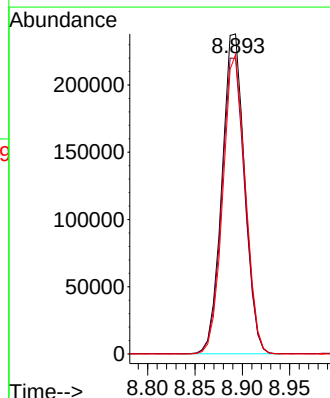
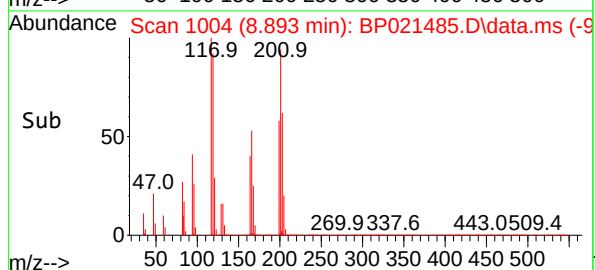
Tgt Ion:117 Resp: 397406

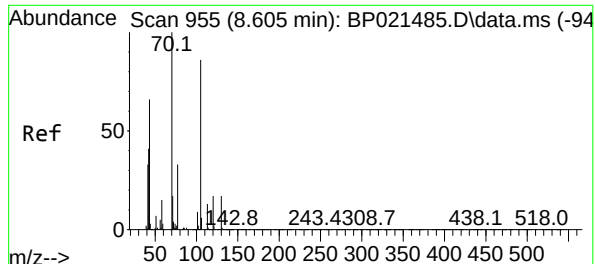
Ion Ratio Lower Upper

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# 955

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

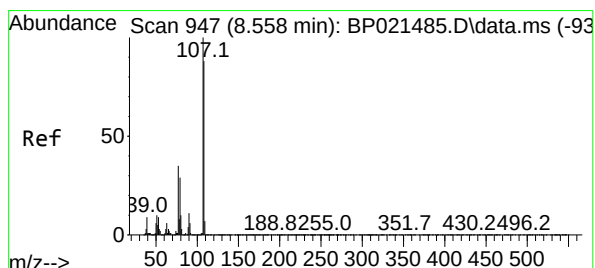
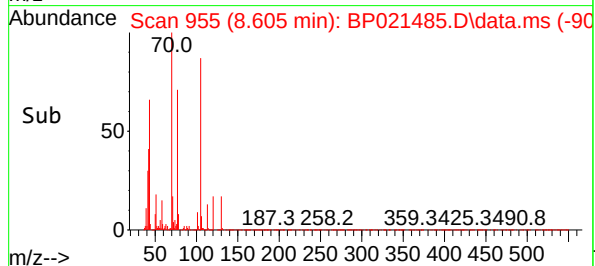
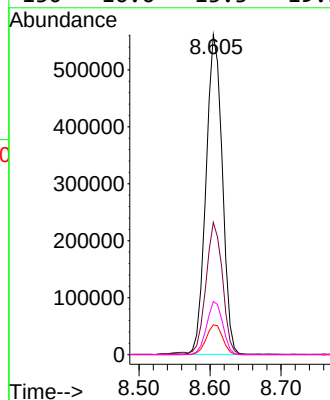
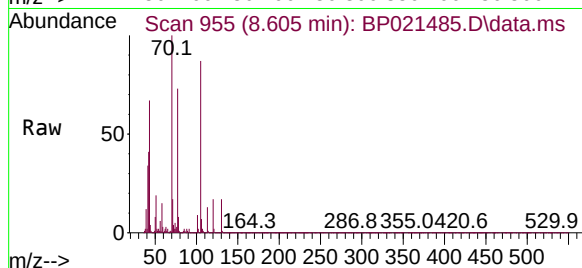
130 16.6 13.3 19.9

Manual Integrations

APPROVED

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

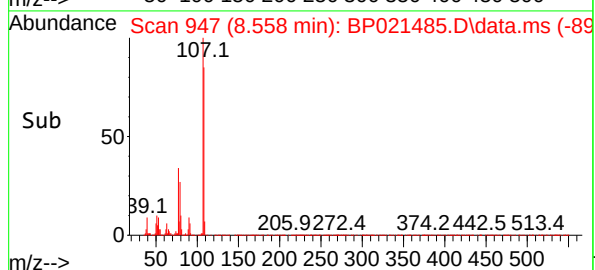
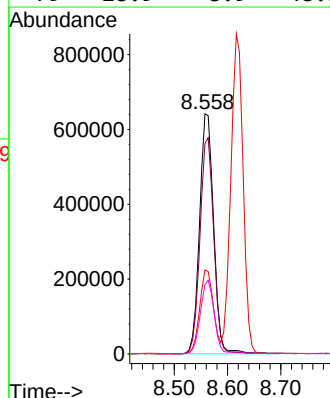
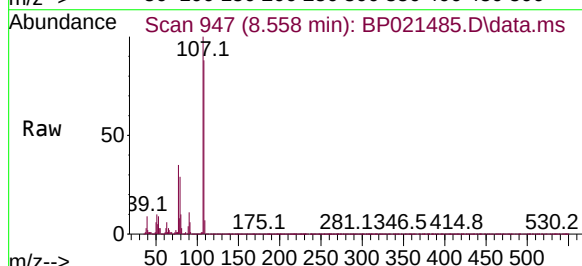
Ion Ratio Lower Upper

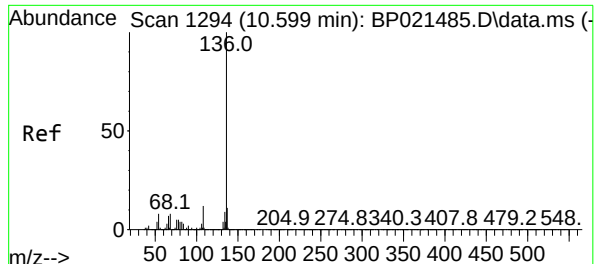
107 100

108 87.6 67.6 107.6

77 35.0 15.0 55.0

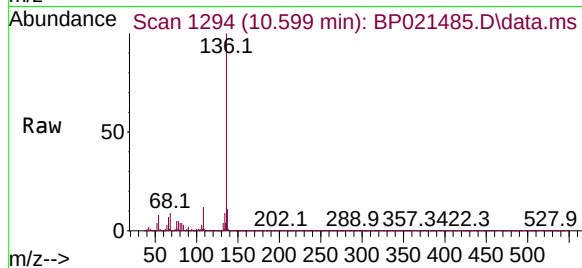
79 28.9 8.9 48.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

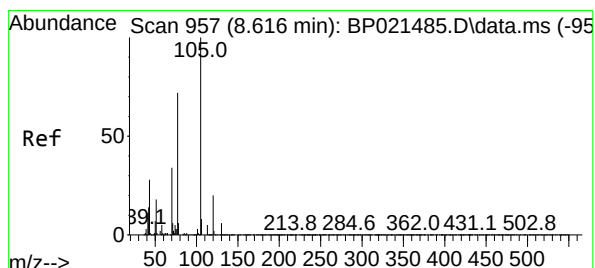
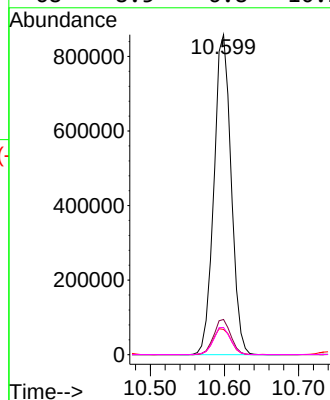
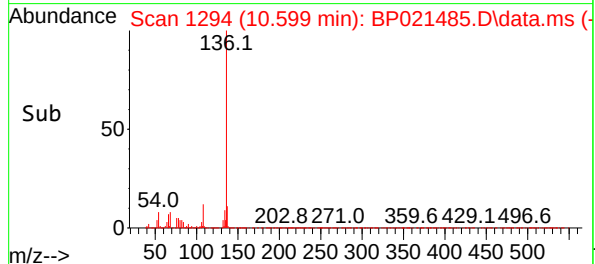
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion:136 Resp: 1379120
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

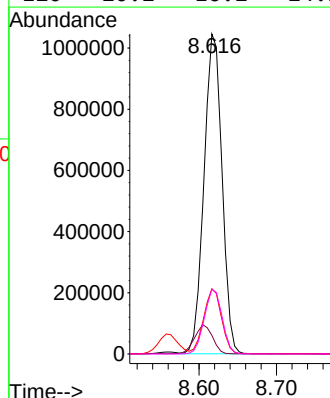
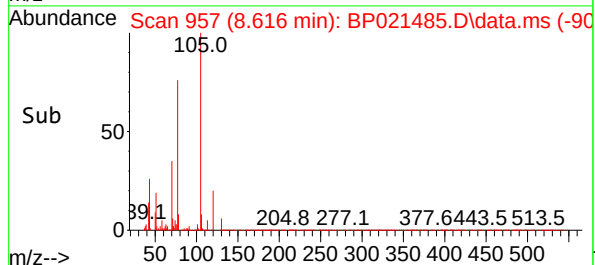
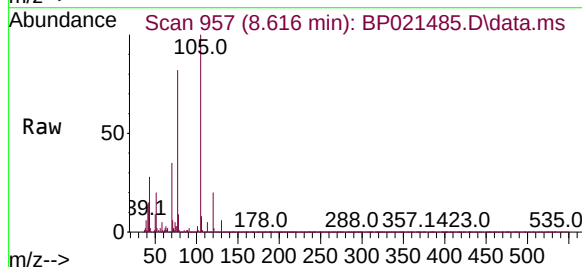
Manual Integrations
APPROVED

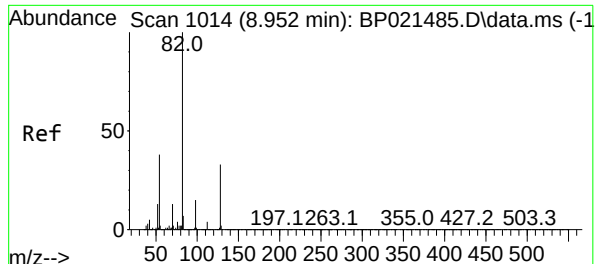
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1014

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 2262470

Ion Ratio Lower Upper

82 100

128 33.1 26.5 39.7

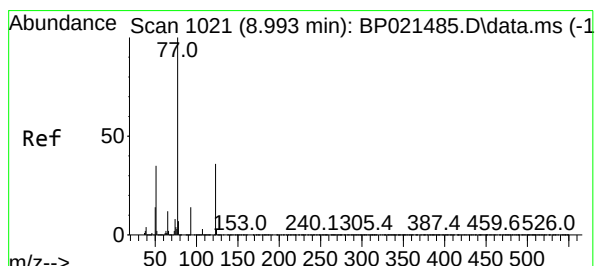
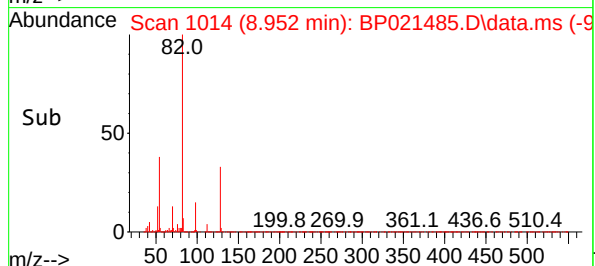
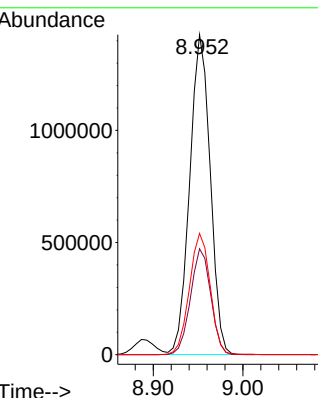
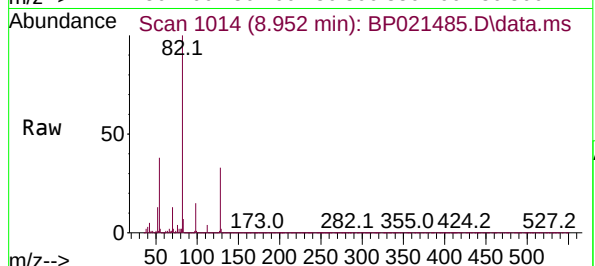
54 37.9 30.3 45.5

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

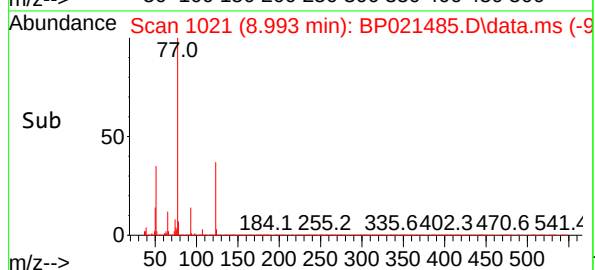
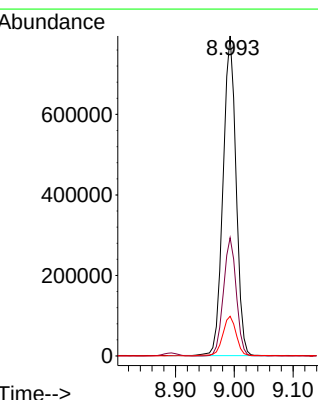
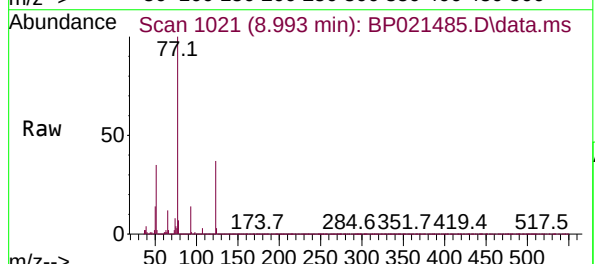
Tgt Ion: 77 Resp: 1221296

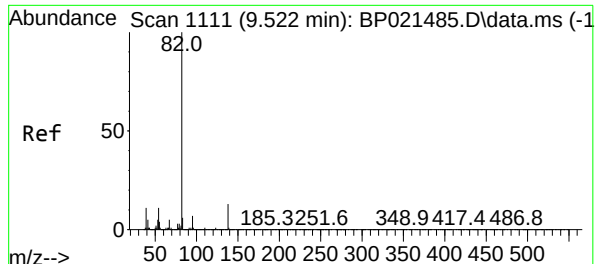
Ion Ratio Lower Upper

77 100

123 36.9 29.5 44.3

65 12.4 9.9 14.9





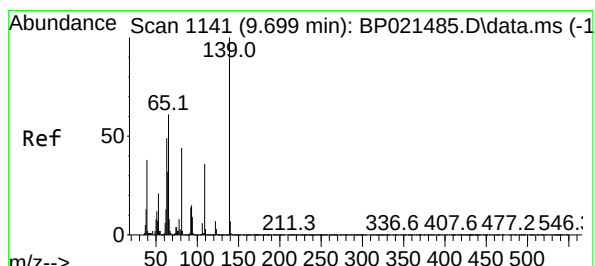
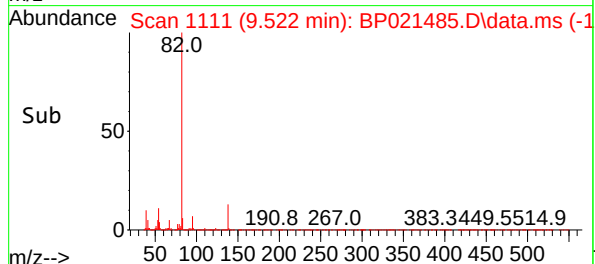
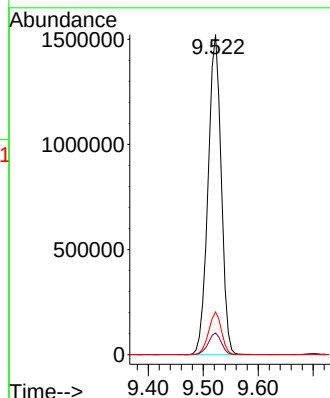
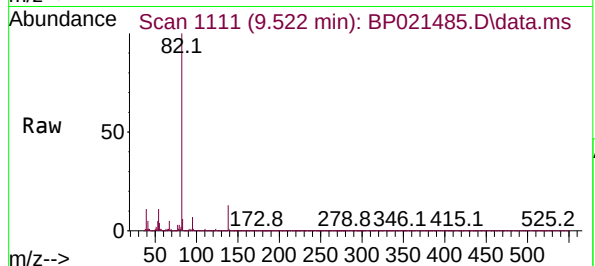
#25
Isophorone
Concen: 39.915 ng
RT: 9.522 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
Client Sample Id :
SSTDICCC040

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

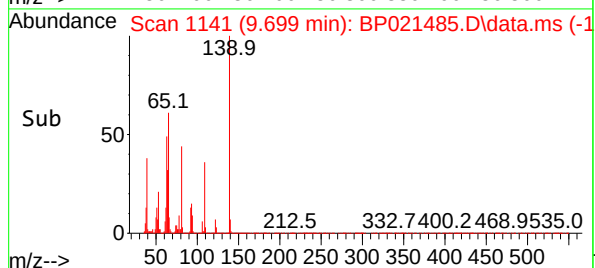
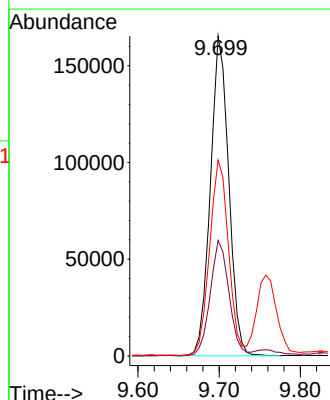
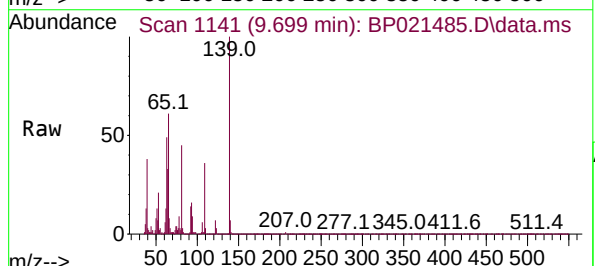
Manual Integrations
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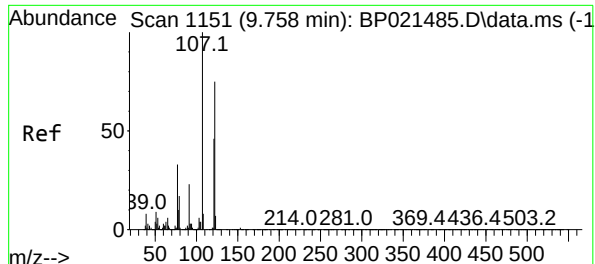
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1151

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:122 Resp: 621559

Ion Ratio Lower Upper

122 100

107 132.8 106.2 159.4

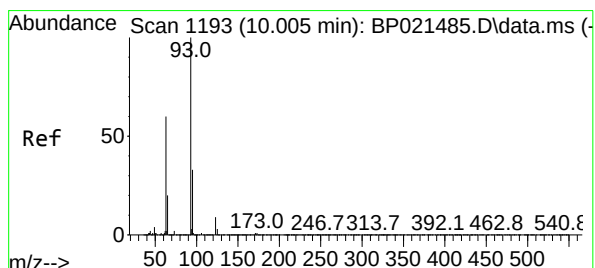
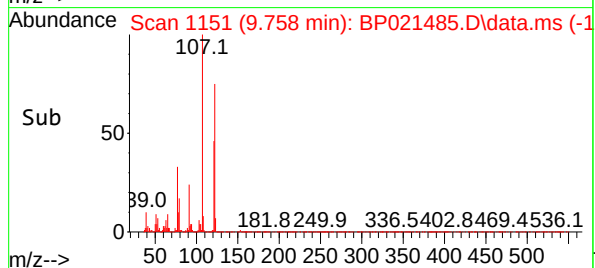
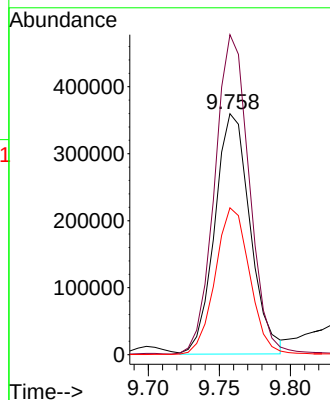
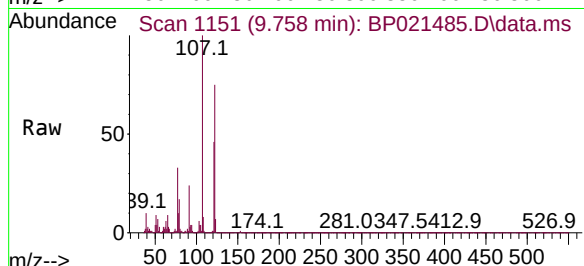
121 61.0 48.8 73.2

Manual Integrations

APPROVED

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

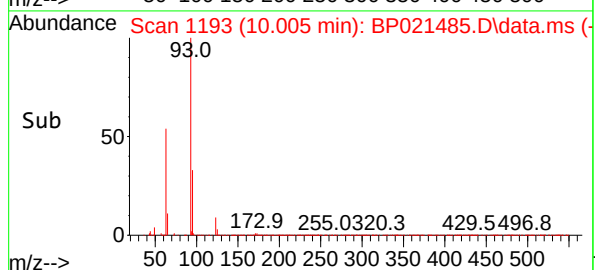
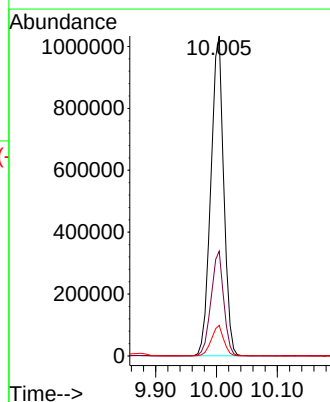
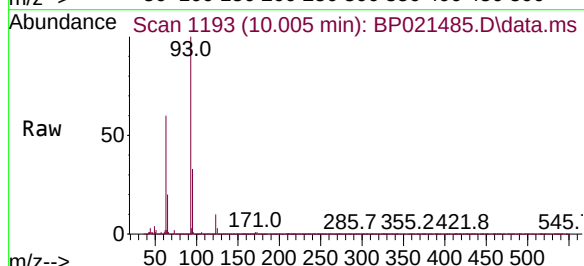
Tgt Ion: 93 Resp: 1515653

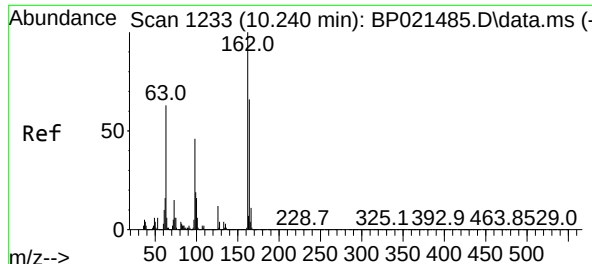
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.4

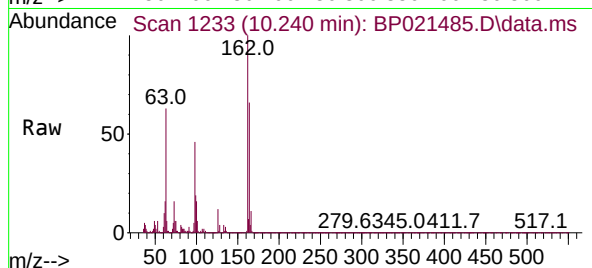
123 9.5 7.6 11.4





#29
2,4-Dichlorophenol
Concen: 40.849 ng
RT: 10.240 min Scan# 1233
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

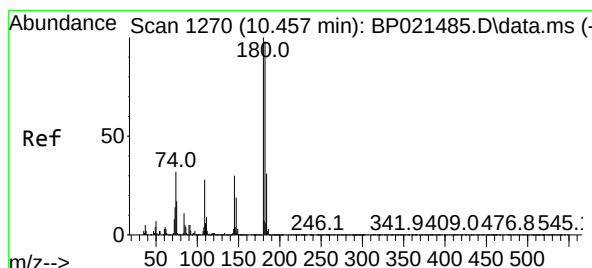
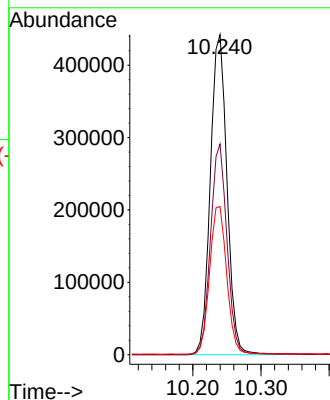
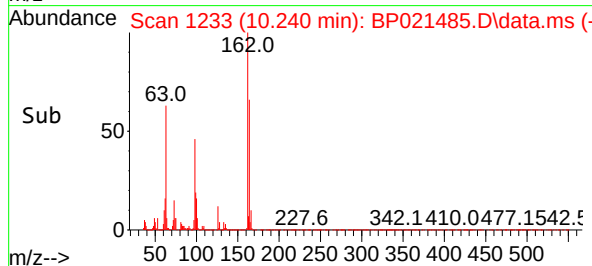
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



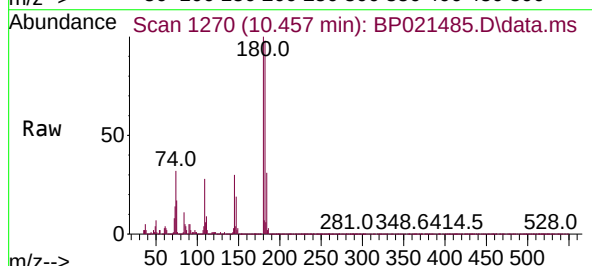
Tgt Ion:162 Resp: 751870
Ion Ratio Lower Upper
162 100
164 65.9 45.9 85.9
98 46.3 26.3 66.3

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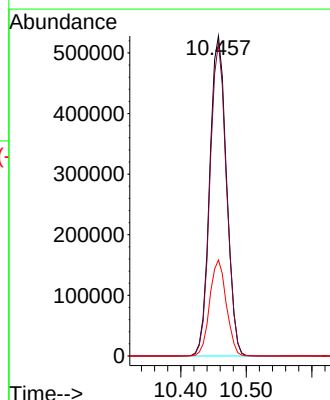
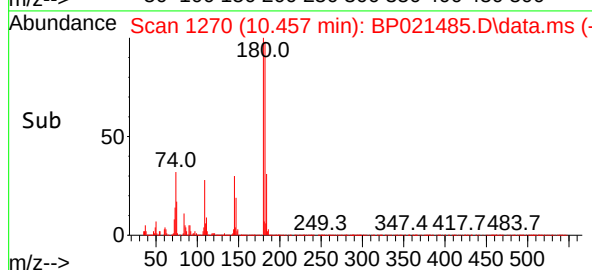
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

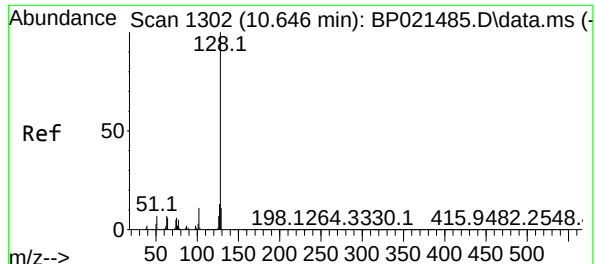


#30
1,2,4-Trichlorobenzene
Concen: 39.757 ng
RT: 10.457 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26



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





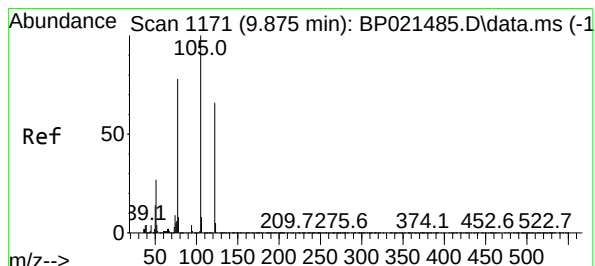
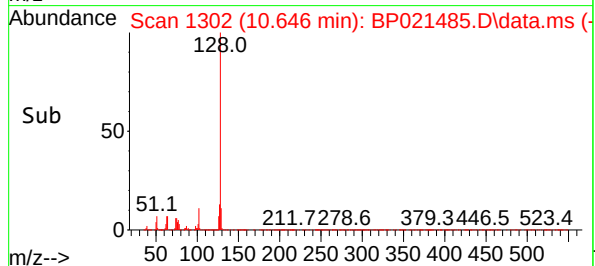
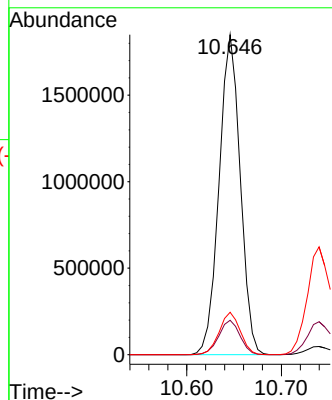
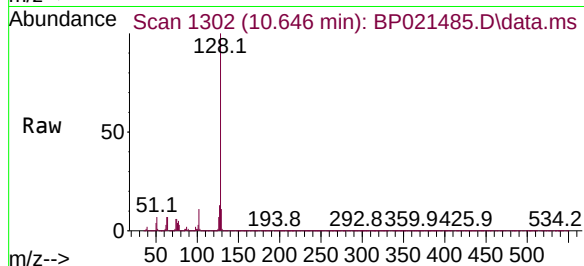
#31
Naphthalene
Concen: 39.845 ng
RT: 10.646 min Scan# 111
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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

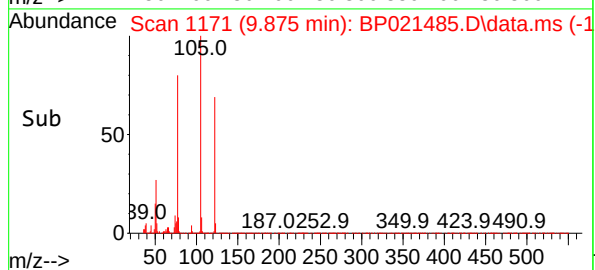
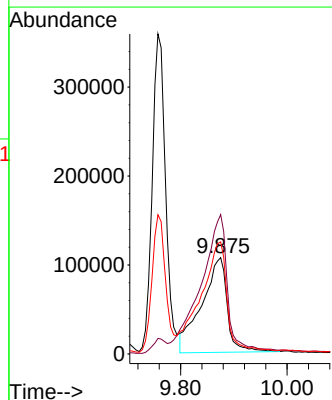
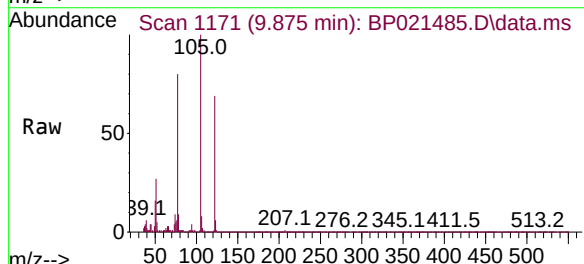
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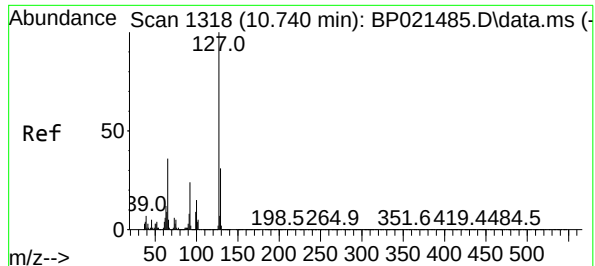
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

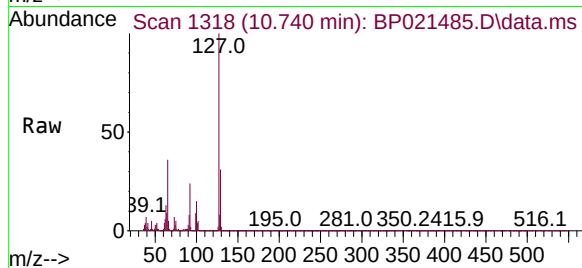
Tgt Ion:122 Resp: 356582
Ion Ratio Lower Upper
122 100
105 144.6 124.6 164.6
77 116.2 96.2 136.2





#33
4-Chloroaniline
Concen: 40.303 ng
RT: 10.740 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

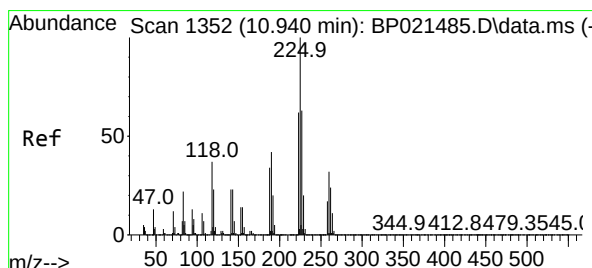
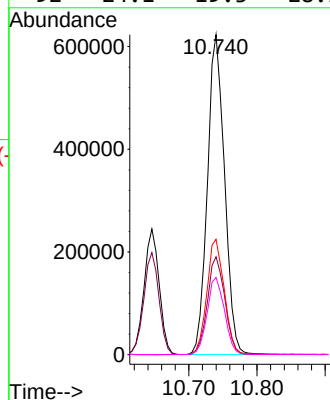
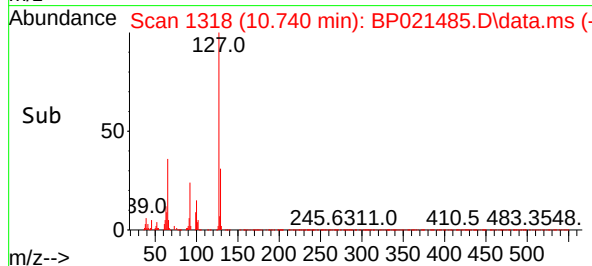
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



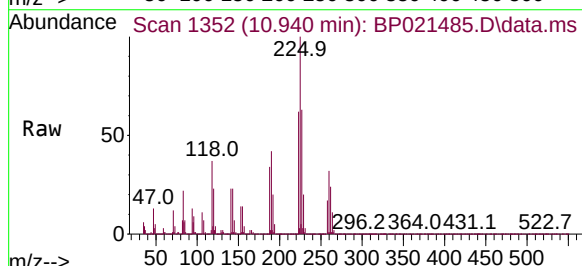
Tgt Ion: 127 Resp: 1090714
Ion Ratio Lower Upper
127 100
129 30.6 24.5 36.7
65 36.1 28.9 43.3
92 24.1 19.3 28.9

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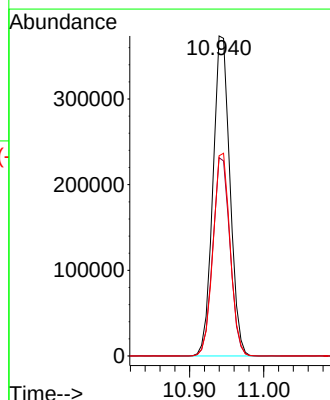
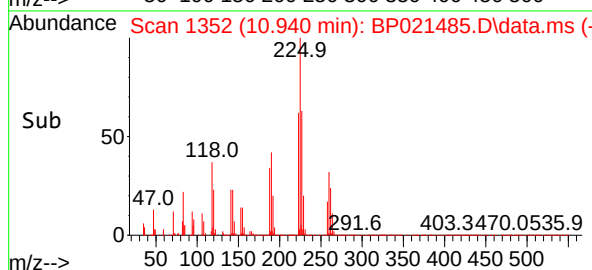
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024

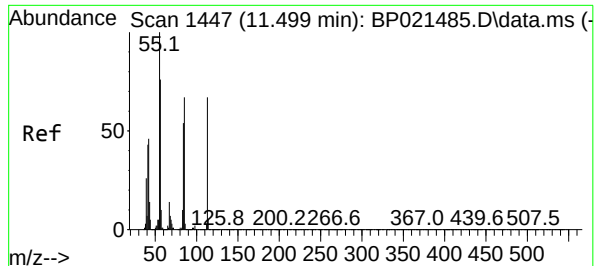


#34
Hexachlorobutadiene
Concen: 39.989 ng
RT: 10.940 min Scan# 1352
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26



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# 1447

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:113 Resp: 314109

Ion Ratio Lower Upper

113 100

55 150.6 130.6 170.6

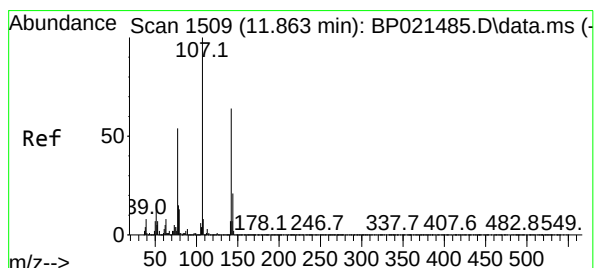
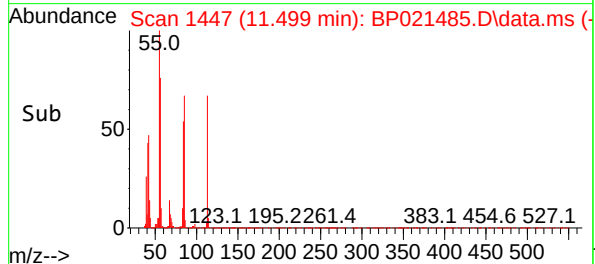
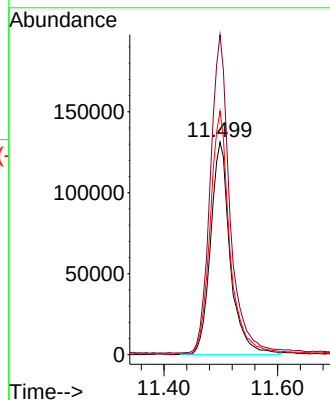
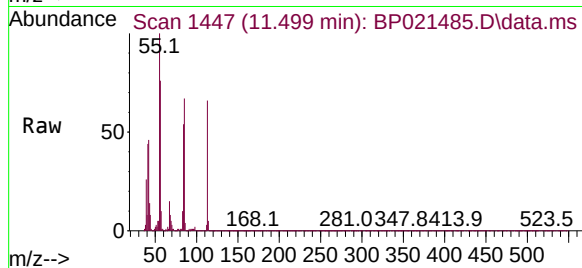
56 114.6 94.6 134.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#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

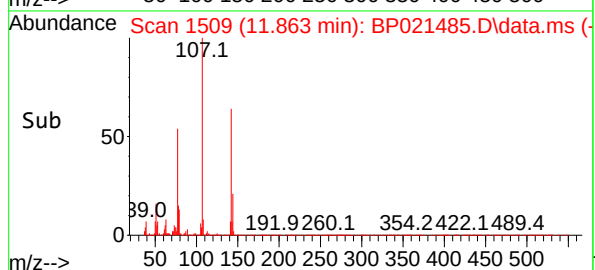
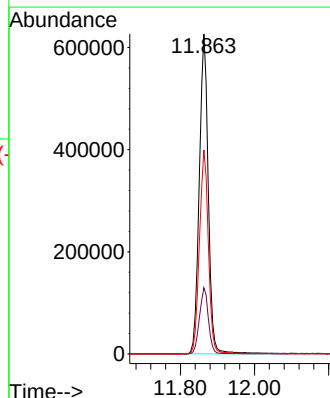
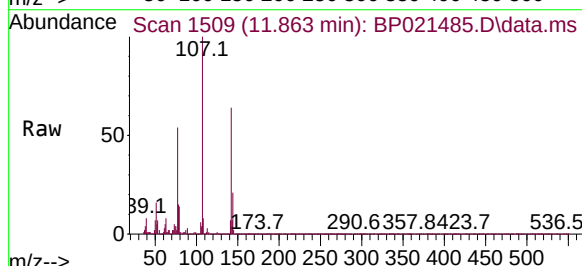
Tgt Ion:107 Resp: 1055054

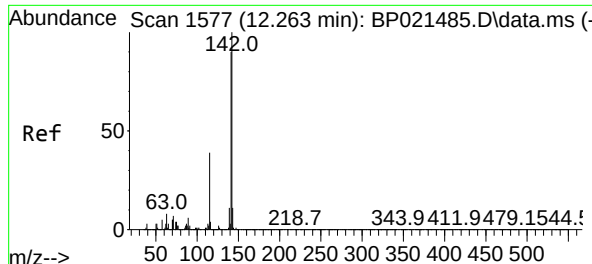
Ion Ratio Lower Upper

107 100

144 20.7 16.6 24.8

142 63.7 51.0 76.4





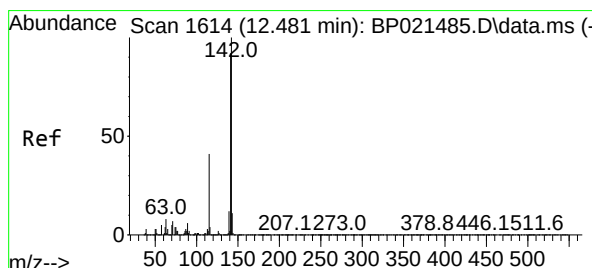
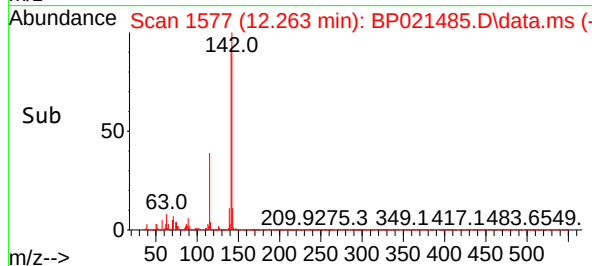
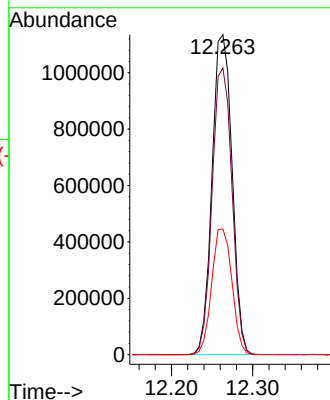
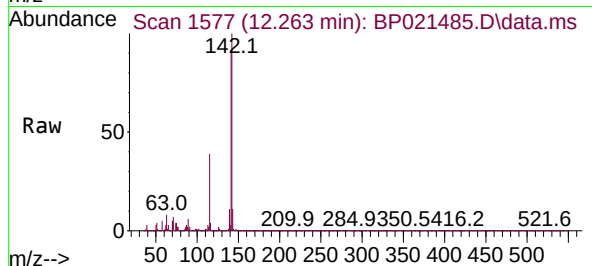
#37
2-Methylnaphthalene
Concen: 39.550 ng
RT: 12.263 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1944719
Ion Ratio Lower Upper
142 100
141 89.6 71.7 107.5
115 39.3 31.4 47.2

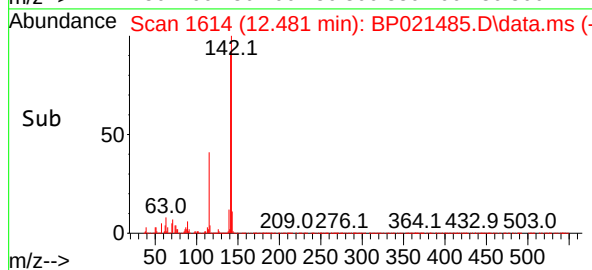
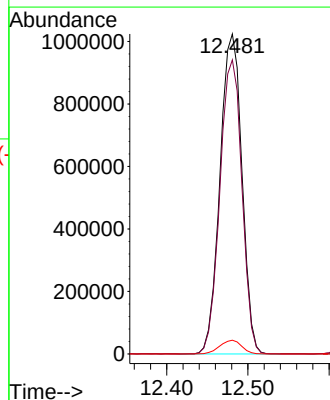
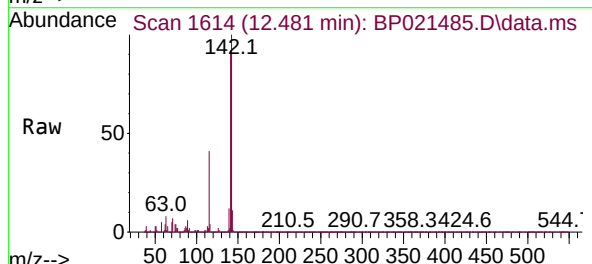
Manual Integrations
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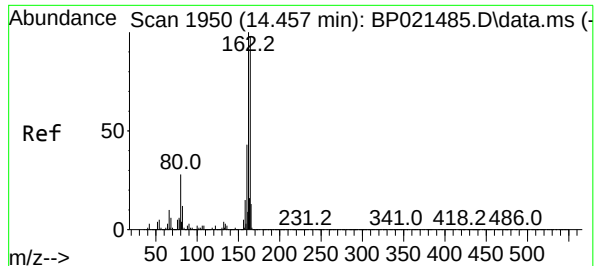
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1950

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA_P

ClientSampleId :

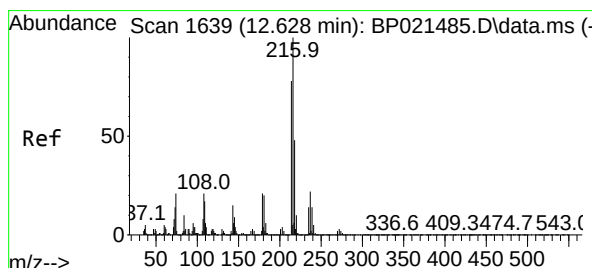
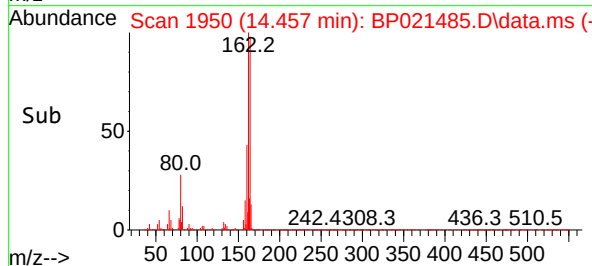
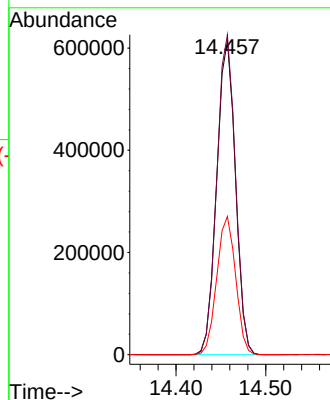
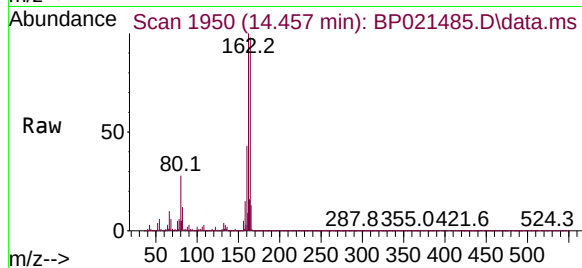
SSTDICCC040

Tgt Ion:	164	Resp:	890240
Ion Ratio	Lower	Upper	
164	100		
162	101.9	81.5	122.3
160	44.0	35.2	52.8

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: 40.588 ng

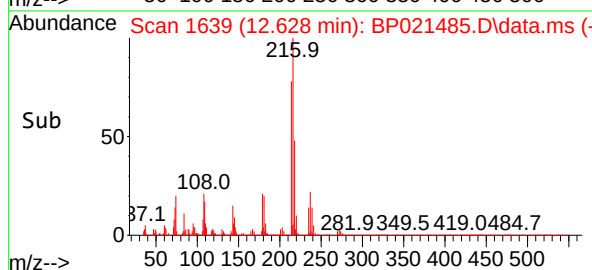
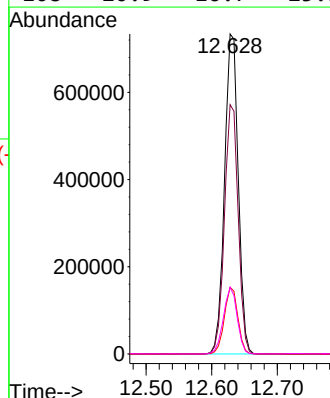
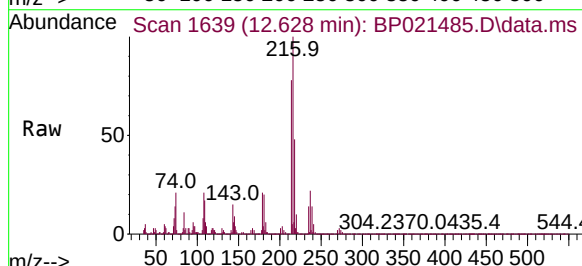
RT: 12.628 min Scan# 1639

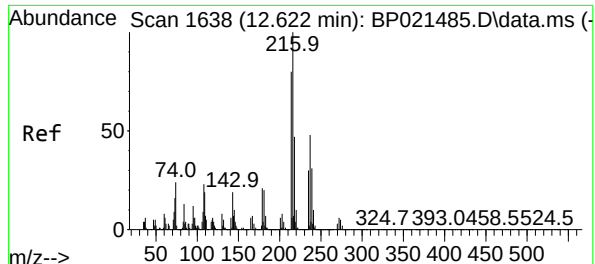
Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

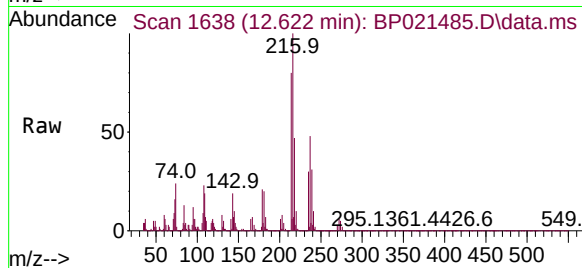
Tgt Ion:	216	Resp:	1058707
Ion Ratio	Lower	Upper	
216	100		
214	78.1	62.5	93.7
179	20.5	16.4	24.6
108	20.9	16.7	25.1





#41
Hexachlorocyclopentadiene
Concen: 41.293 ng
RT: 12.622 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

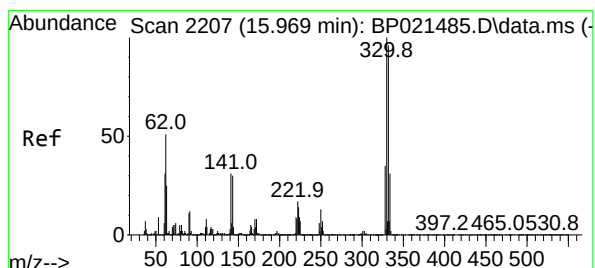
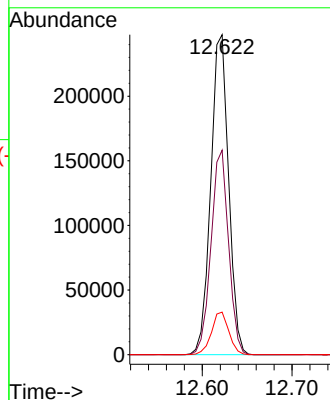
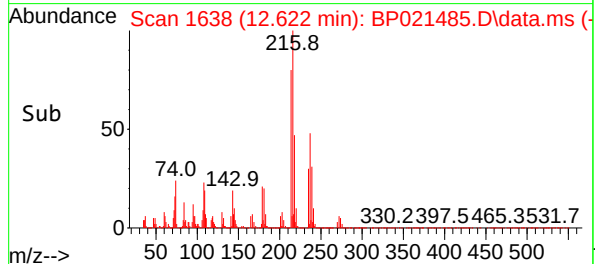
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



Tgt Ion: 237 Resp: 341369
Ion Ratio Lower Upper
237 100
235 63.9 43.9 83.9
272 13.3 0.0 33.3

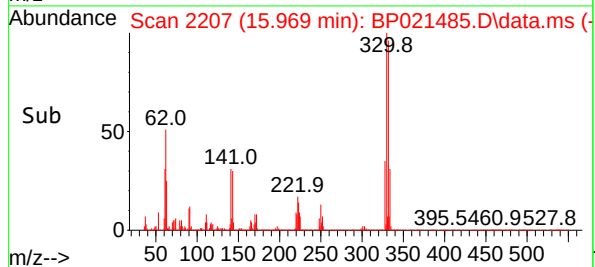
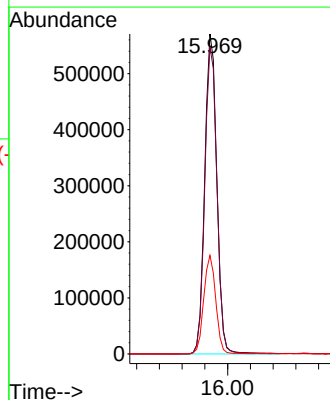
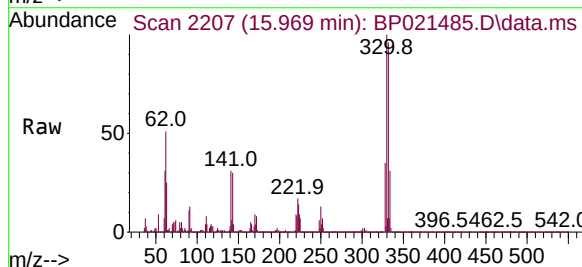
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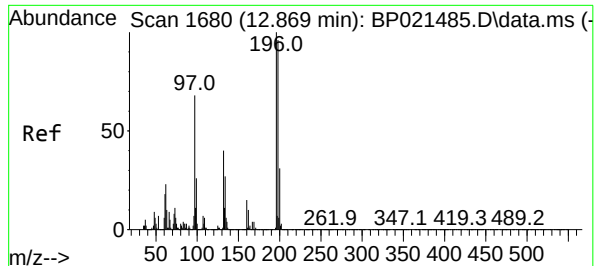
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#42
2,4,6-Tribromophenol
Concen: 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# 1680

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA_P

ClientSampleId :

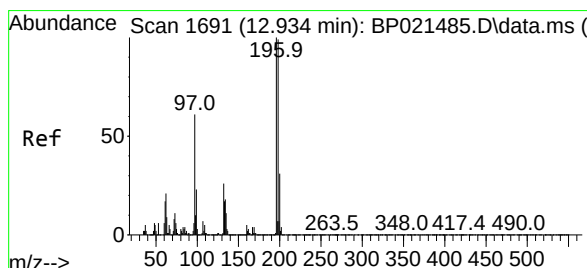
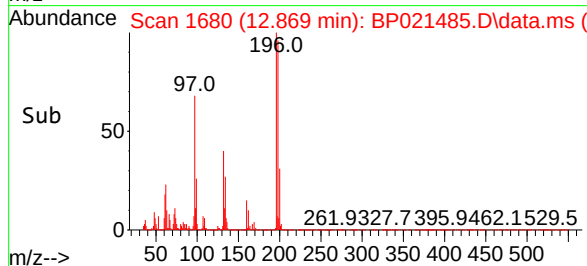
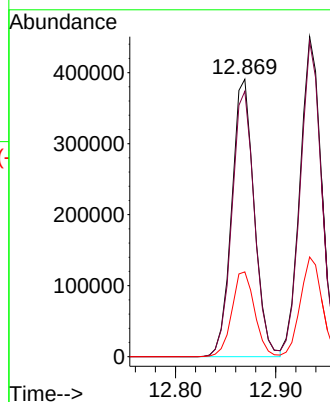
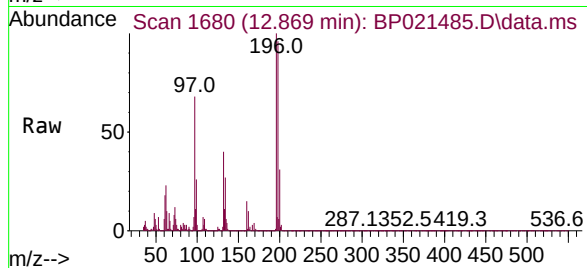
SSTDICCC040

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

Manual Integrations
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Supervised By :mohammad ahmed 08/14/2024



#44

2,4,5-Trichlorophenol

Concen: 42.300 ng

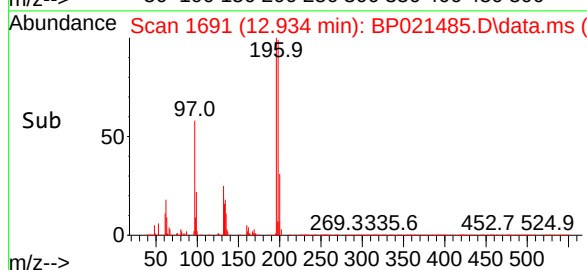
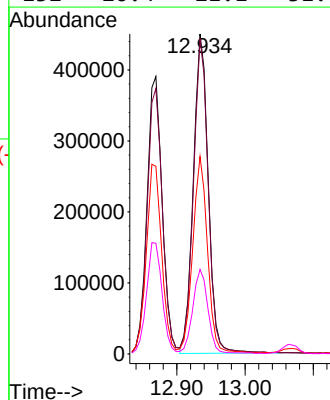
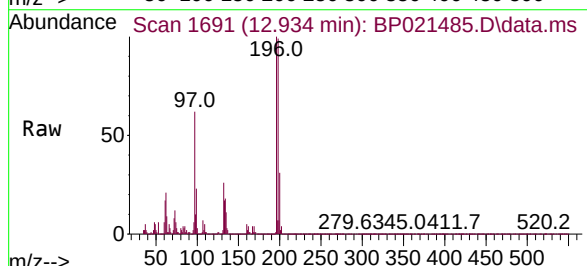
RT: 12.934 min Scan# 1691

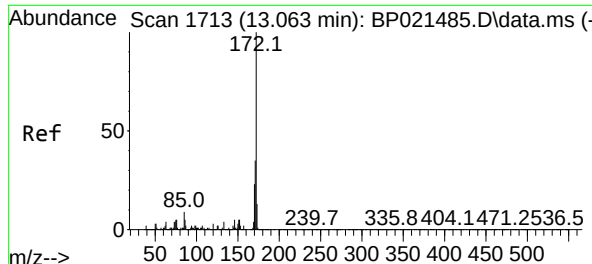
Delta R.T. 0.000 min

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# 1713

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:172 Resp: 472498

Ion Ratio Lower Upper

172 100

171 35.3 28.2 42.4

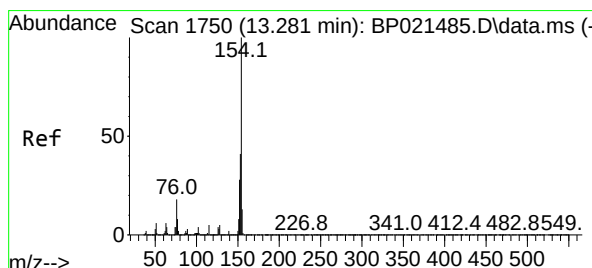
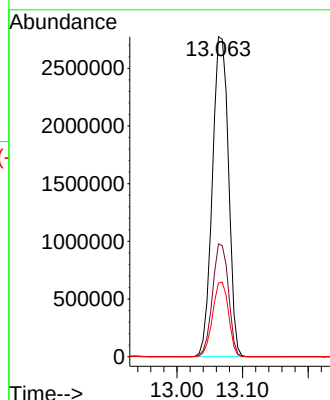
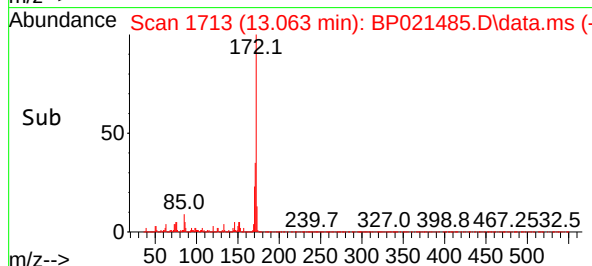
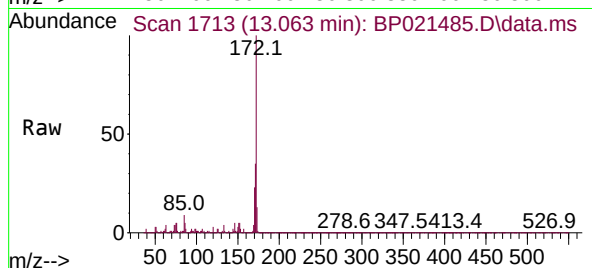
170 23.0 18.4 27.6

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

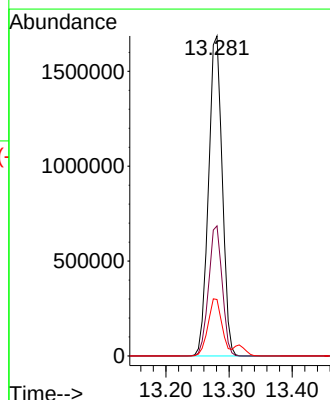
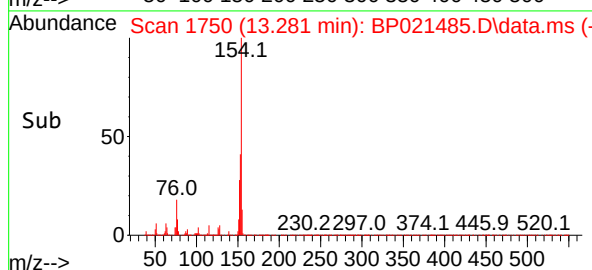
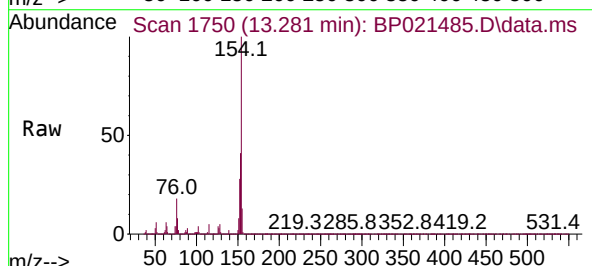
Tgt Ion:154 Resp: 2542708

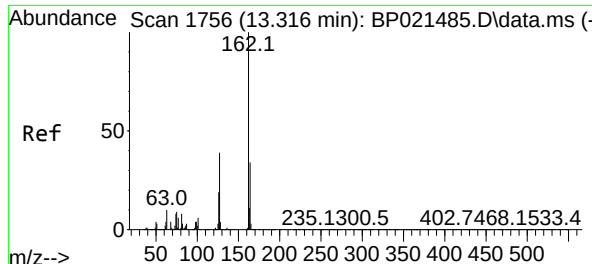
Ion Ratio Lower Upper

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# 1756

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 1987834

Ion Ratio Lower Upper

162 100

127 39.9 31.9 47.9

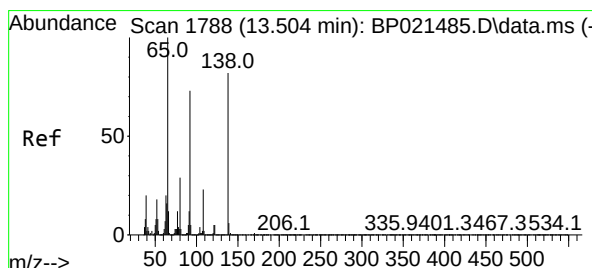
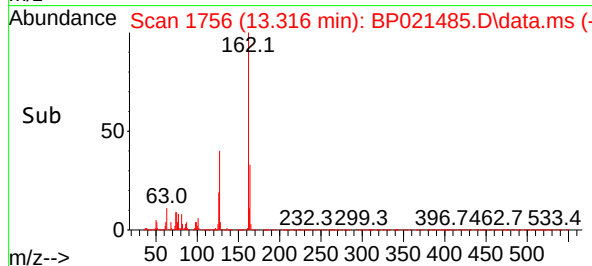
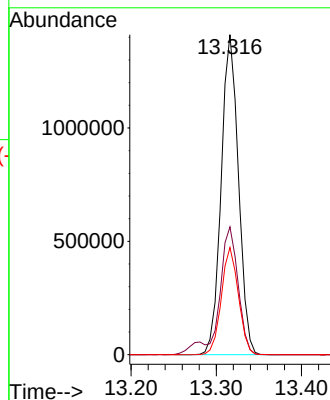
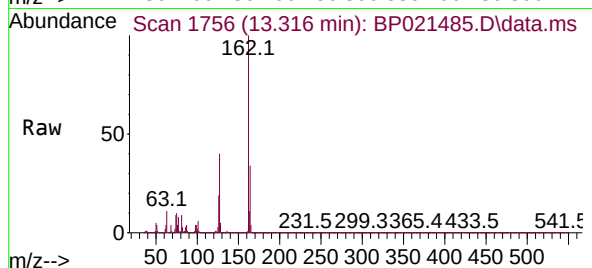
164 33.5 26.8 40.2

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

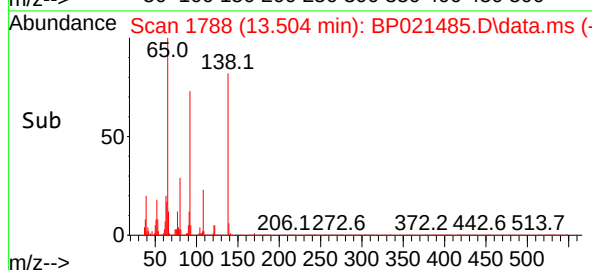
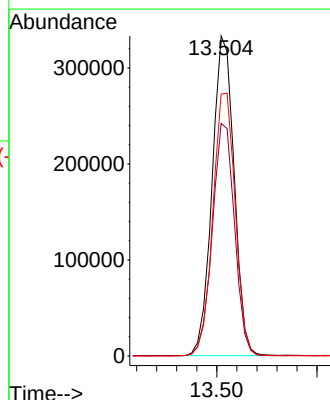
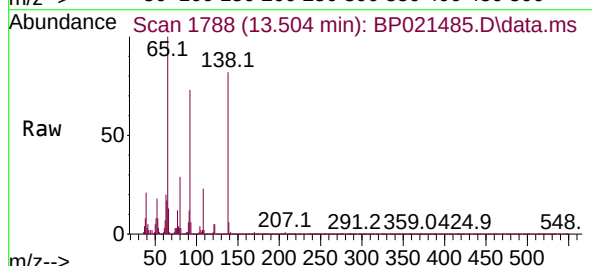
Tgt Ion: 65 Resp: 506883

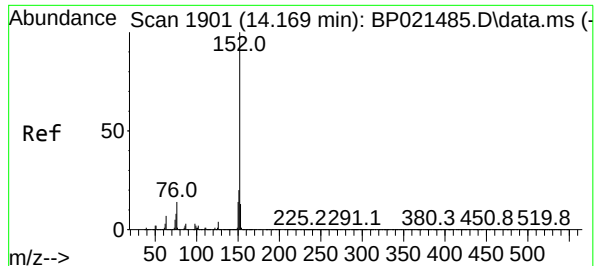
Ion Ratio Lower Upper

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# 1901

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:152 Resp: 2928814

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

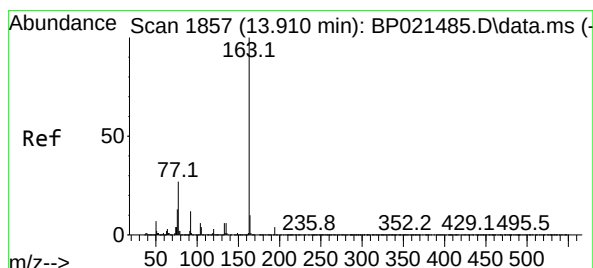
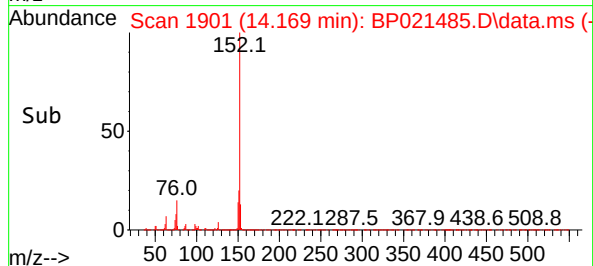
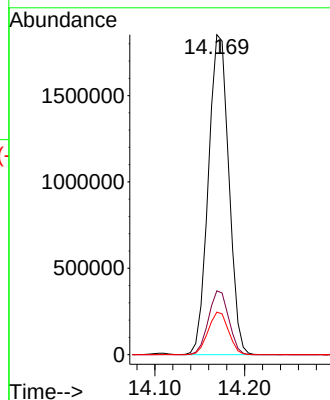
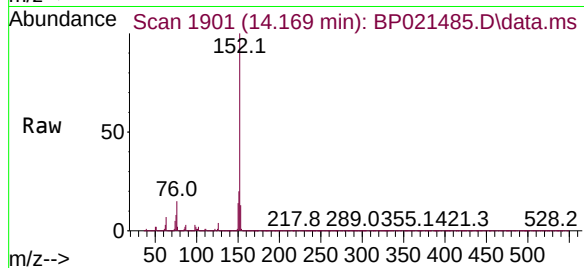
153 13.3 10.6 16.0

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

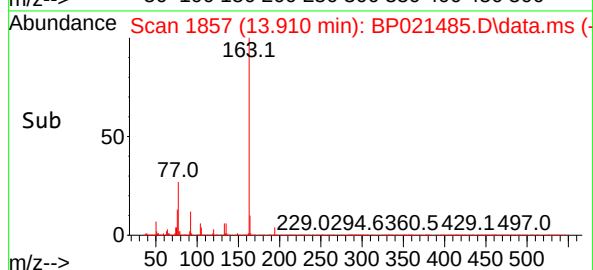
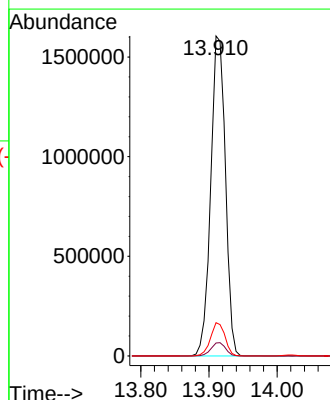
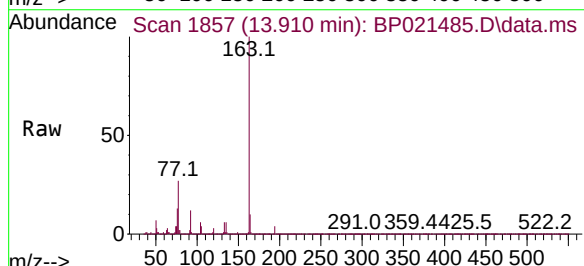
Tgt Ion:163 Resp: 2408078

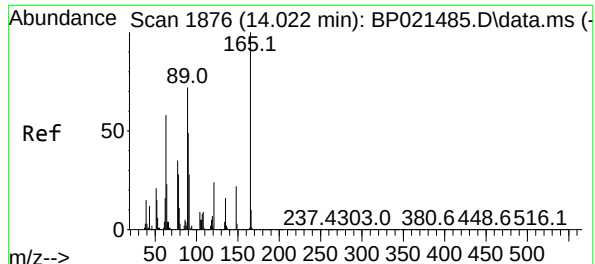
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

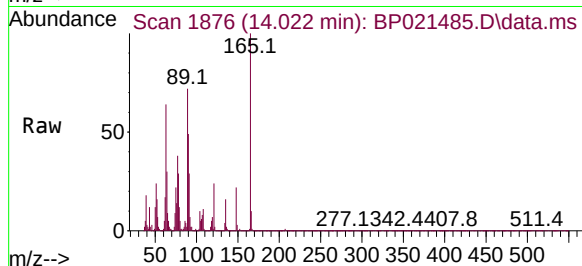
164 10.4 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 38.650 ng
RT: 14.022 min Scan# 1876
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

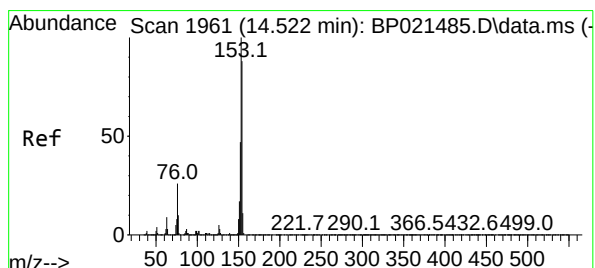
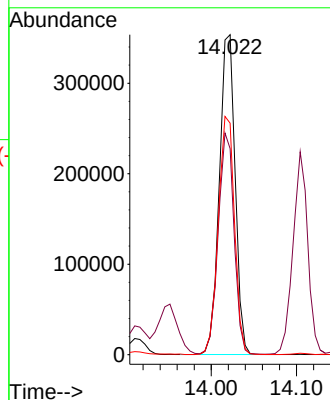
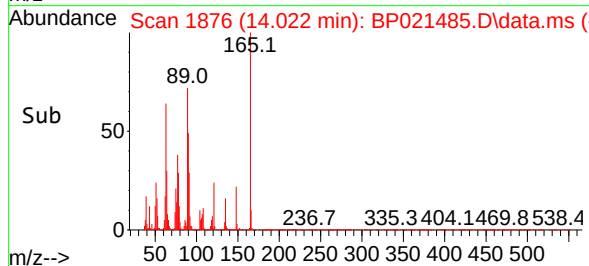
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



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

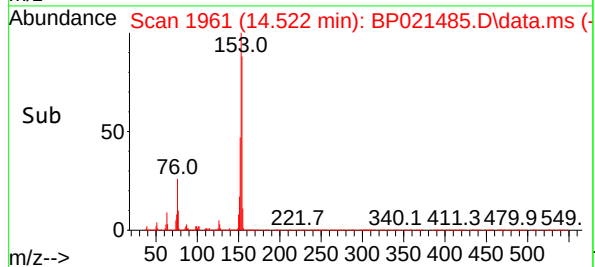
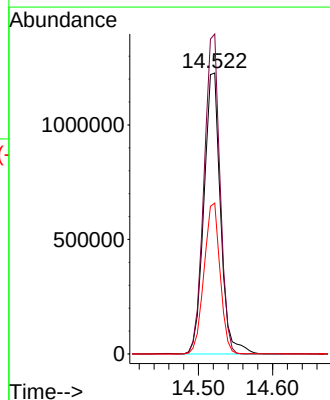
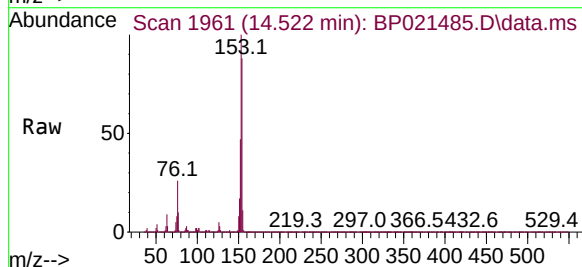
Manual Integrations
APPROVED

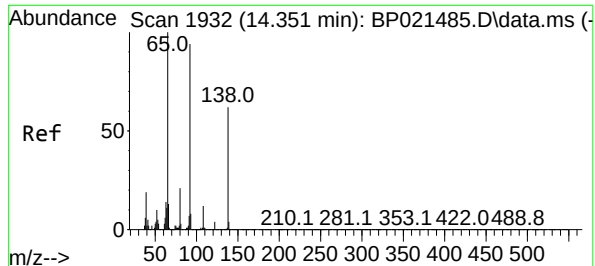
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

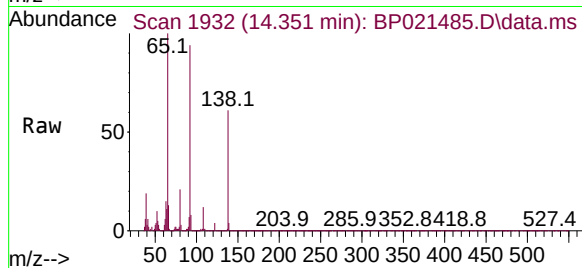
Tgt Ion:154 Resp: 1911119
Ion Ratio Lower Upper
154 100
153 113.9 91.1 136.7
152 53.7 43.0 64.4





#53
3-Nitroaniline
Concen: 39.107 ng
RT: 14.351 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

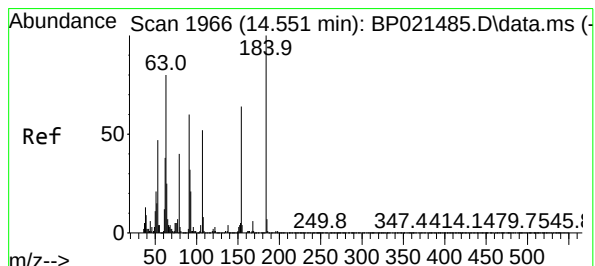
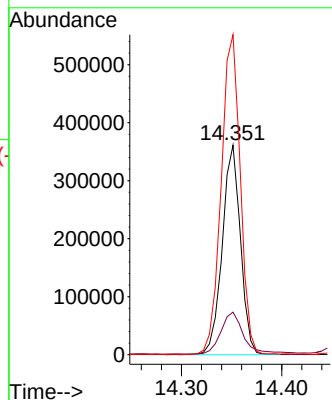
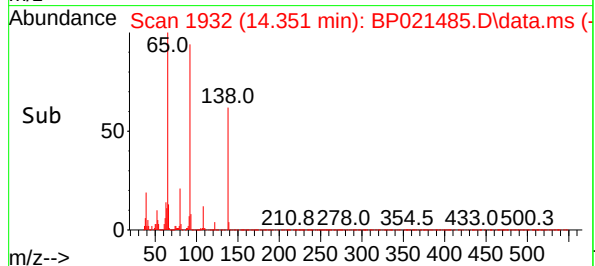
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



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

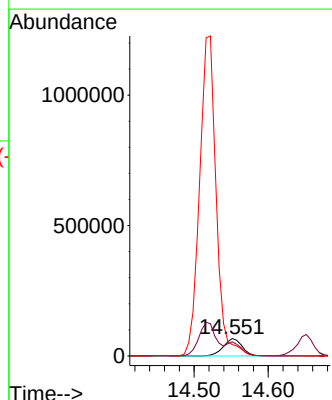
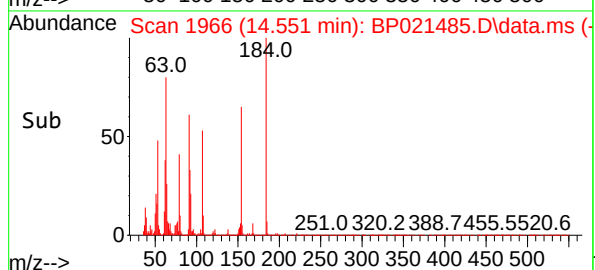
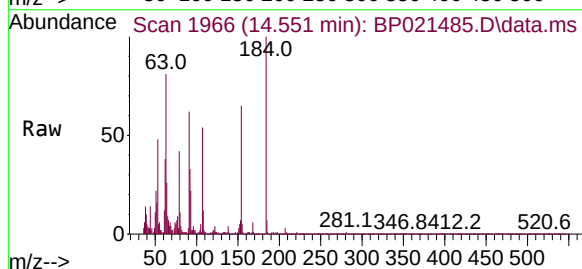
Manual Integrations
APPROVED

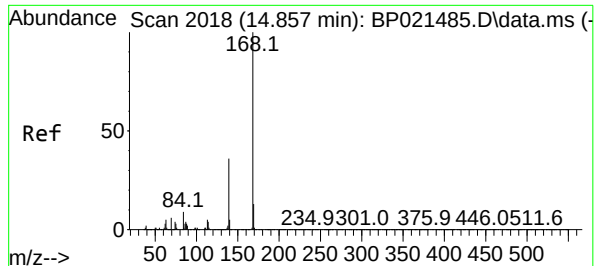
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

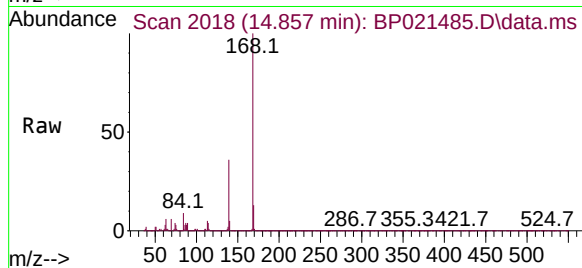
Tgt Ion:184 Resp: 116797
Ion Ratio Lower Upper
184 100
63 81.1 64.9 97.3
154 65.1 52.1 78.1





#55
Dibenzenofuran
Concen: 40.359 ng
RT: 14.857 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

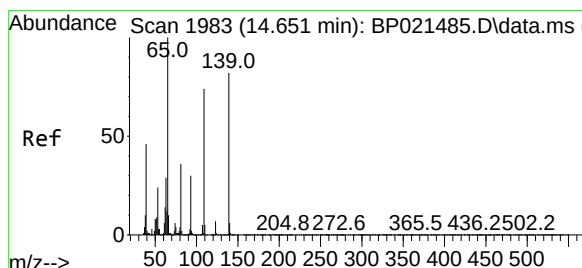
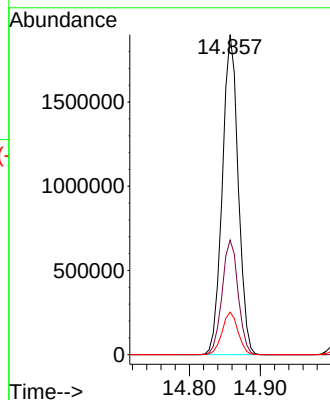
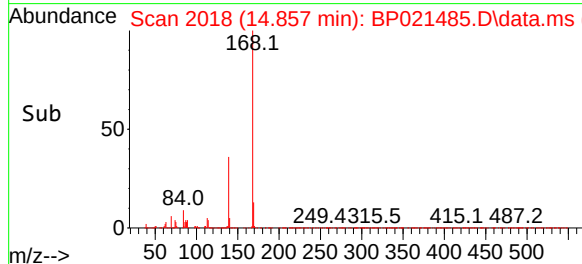
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



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

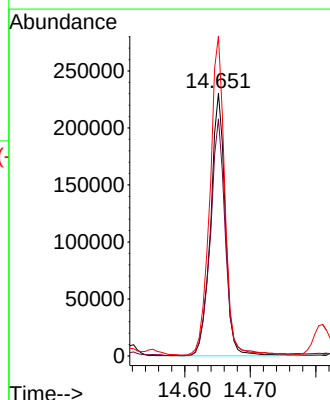
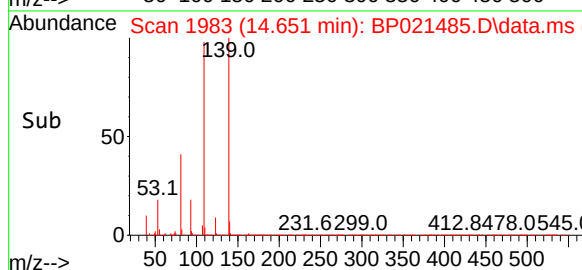
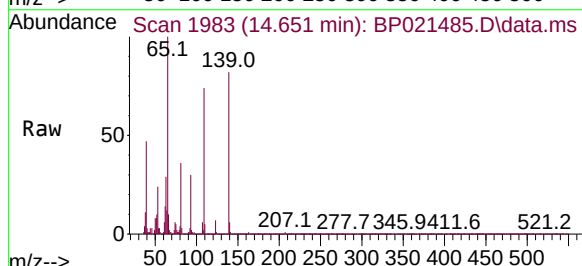
Manual Integrations
APPROVED

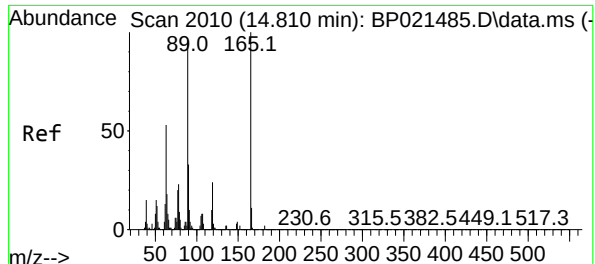
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





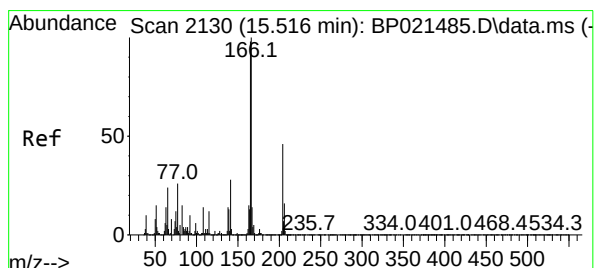
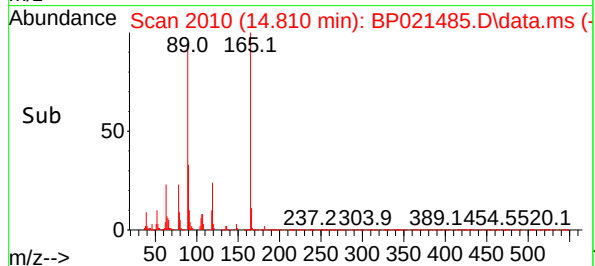
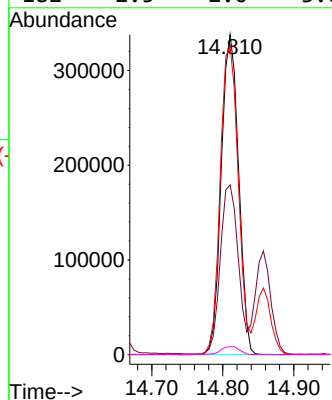
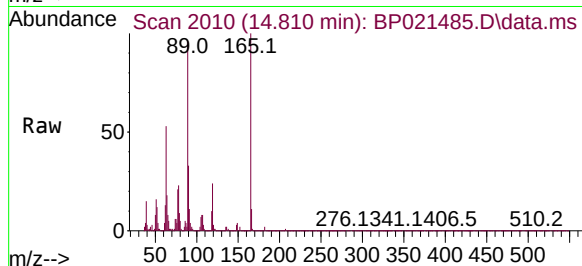
#57
2,4-Dinitrotoluene
Concen: 38.397 ng
RT: 14.810 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
Client Sample Id :
SSTDICCC040

Tgt Ion:165 Resp: 570222
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

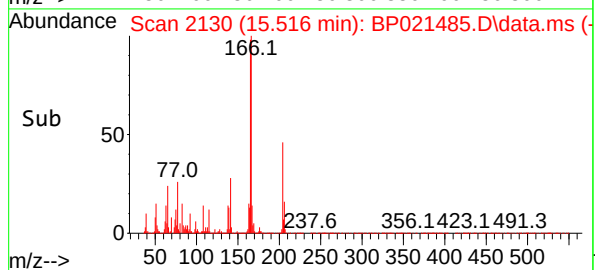
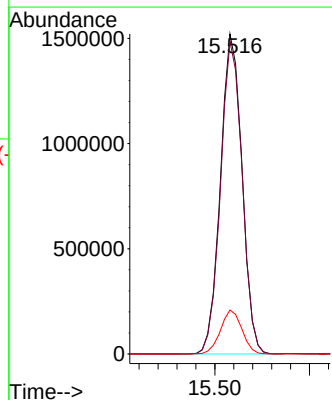
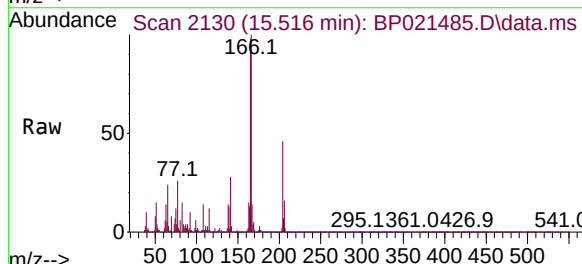
Manual Integrations
APPROVED

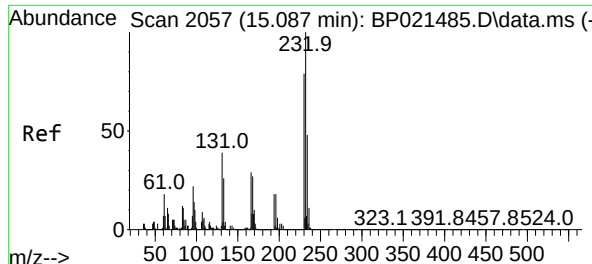
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





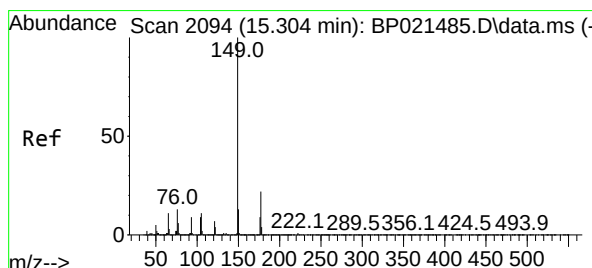
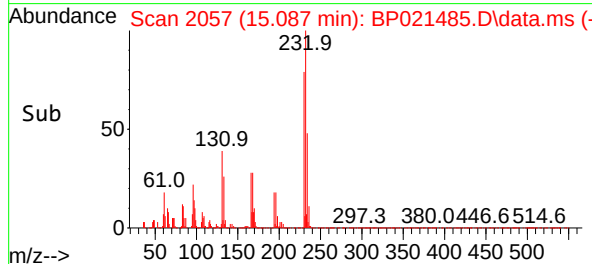
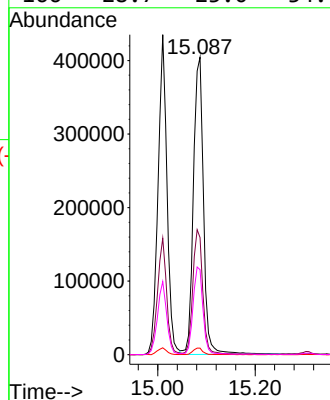
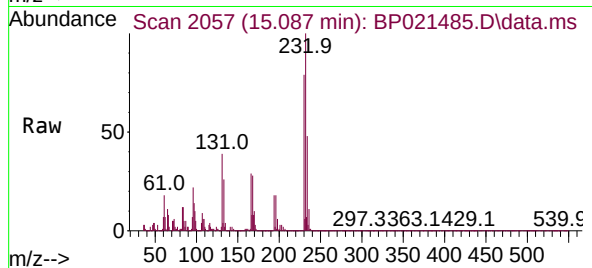
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.766 ng
RT: 15.087 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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

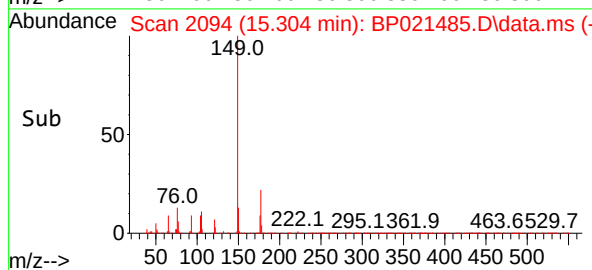
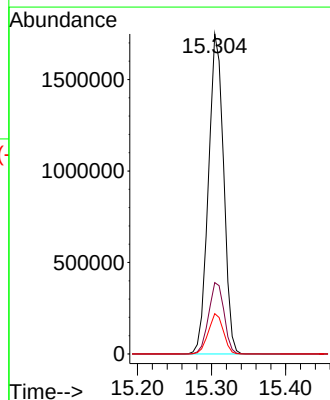
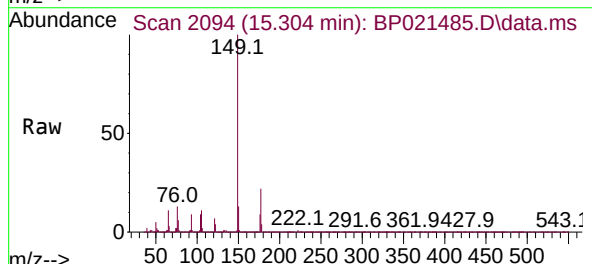
Manual Integrations
APPROVED

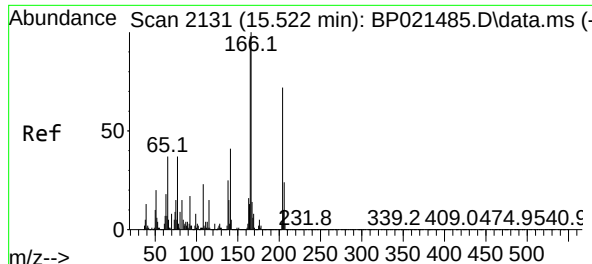
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

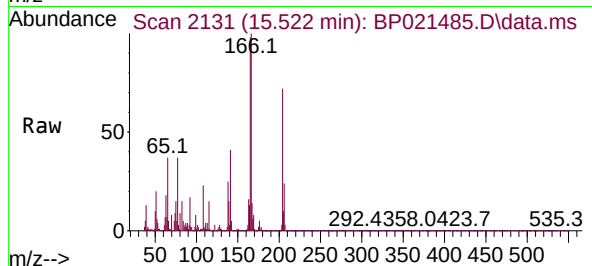
Tgt Ion:149 Resp: 2486968
Ion Ratio Lower Upper
149 100
177 22.3 17.8 26.8
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 40.022 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

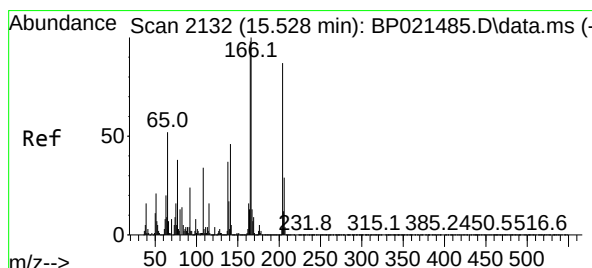
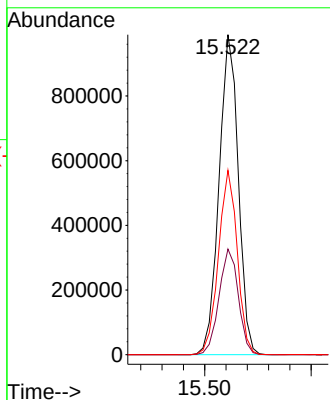
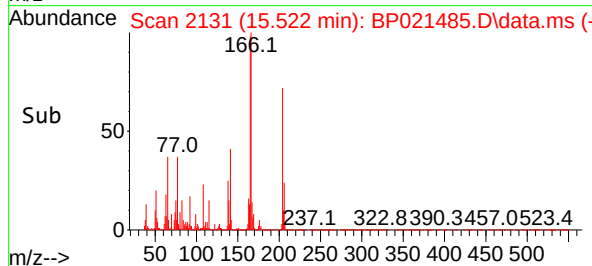
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



Tgt Ion: 204 Resp: 1236572
Ion Ratio Lower Upper
204 100
206 33.0 26.4 39.6
141 57.6 46.1 69.1

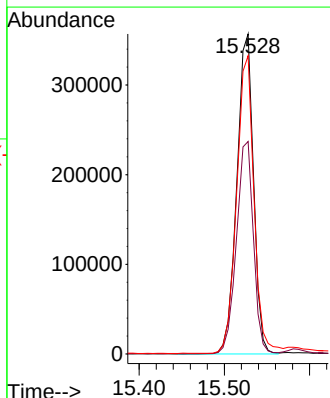
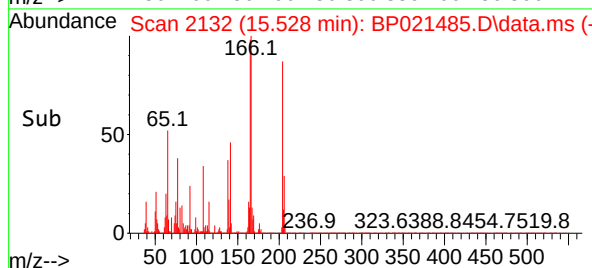
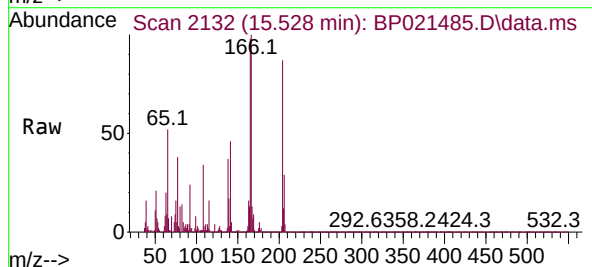
Manual Integrations
APPROVED

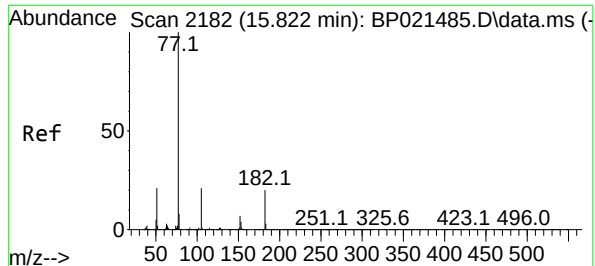
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#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

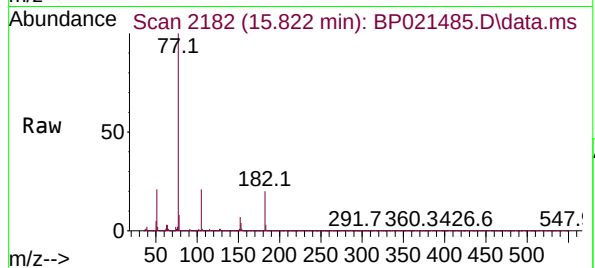
Tgt Ion: 138 Resp: 485672
Ion Ratio Lower Upper
138 100
92 66.4 46.4 86.4
108 93.2 73.2 113.2





#63
Azobenzene
Concen: 40.594 ng
RT: 15.822 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

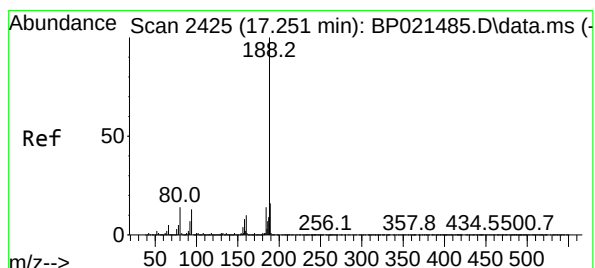
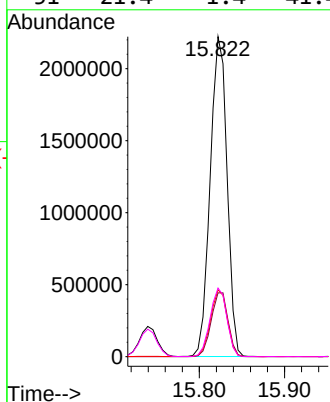
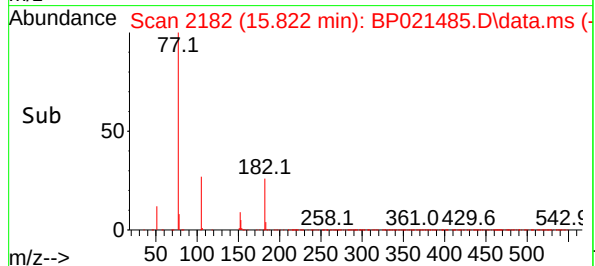
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



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

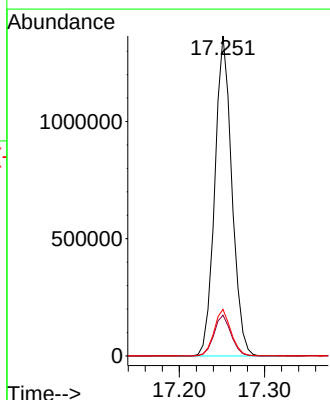
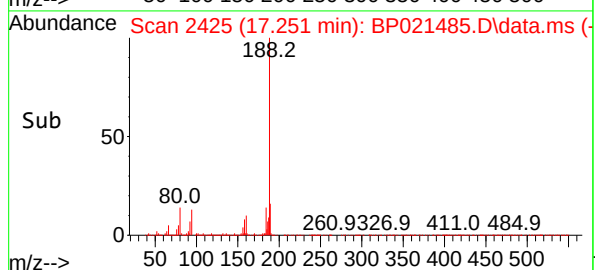
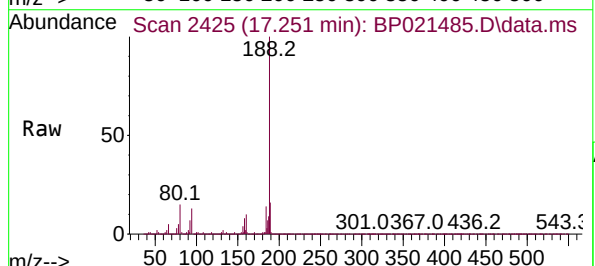
Manual Integrations
APPROVED

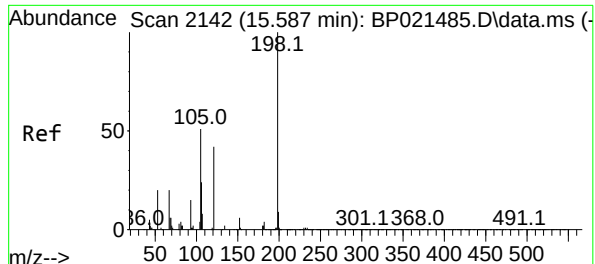
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.251 min Scan# 2425
Delta R.T. 0.000 min
Lab File: 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





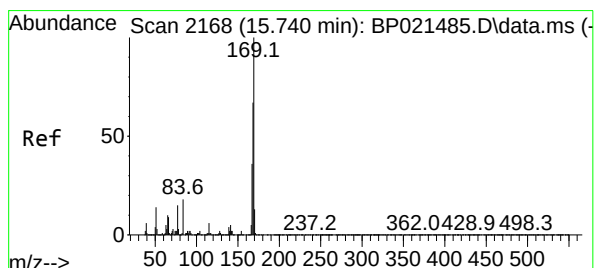
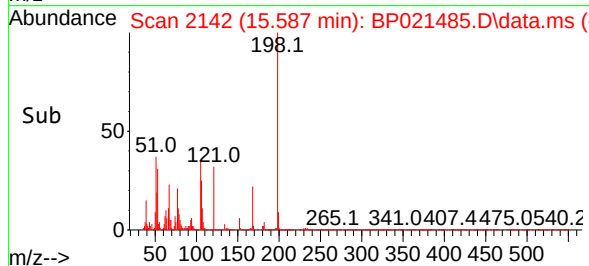
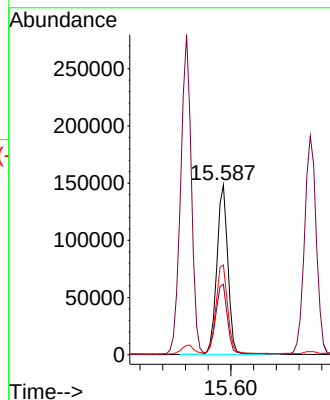
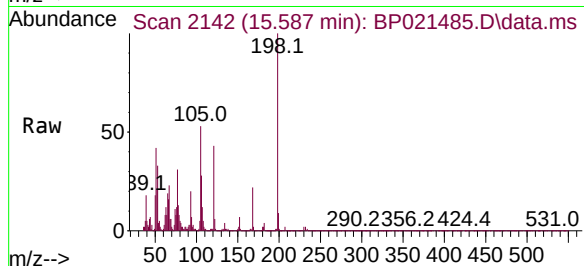
#65
4,6-Dinitro-2-methylphenol
Concen: 38.603 ng
RT: 15.587 min Scan# 2142
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 199150
Ion Ratio Lower Upper
198 100
51 41.5 21.5 61.5
105 52.9 32.9 72.9

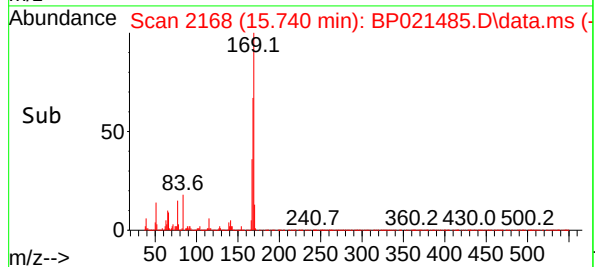
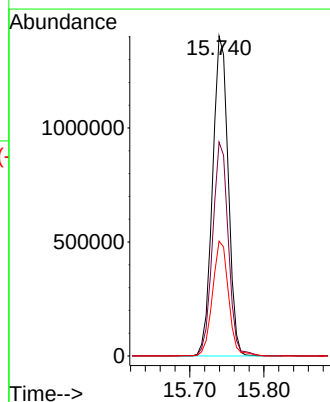
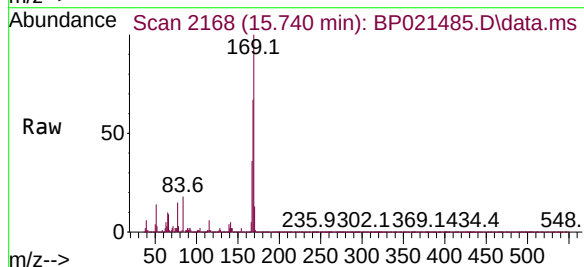
Manual Integrations
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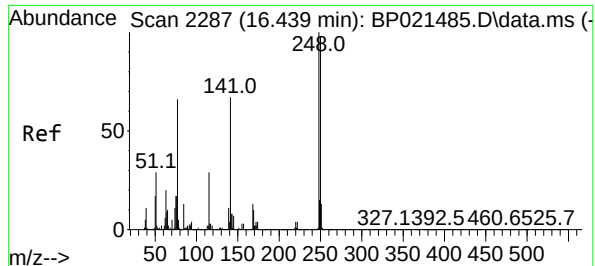
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

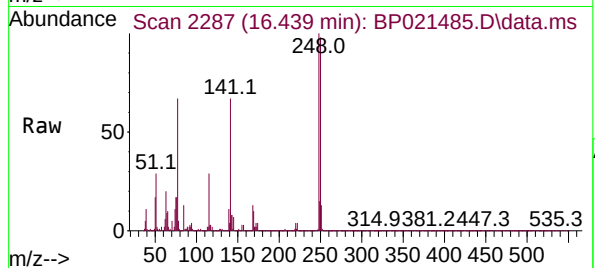
Tgt Ion:169 Resp: 2051265
Ion Ratio Lower Upper
169 100
168 66.8 53.4 80.2
167 35.9 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 39.211 ng
RT: 16.439 min Scan# 2287
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

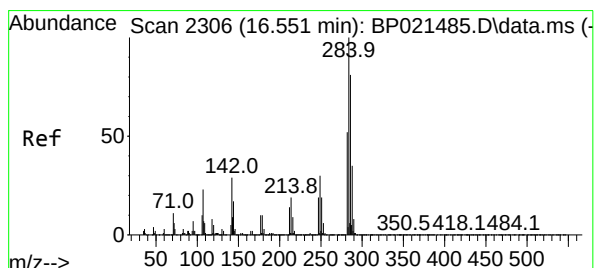
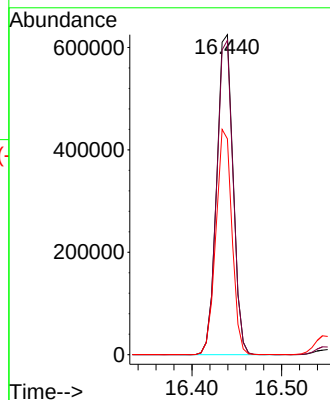
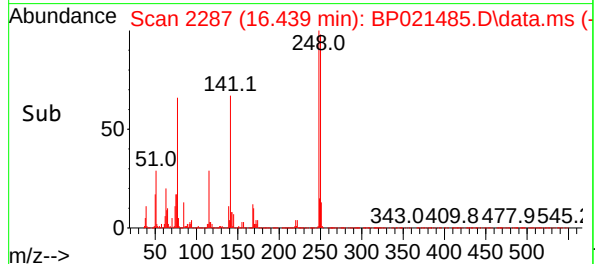
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



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

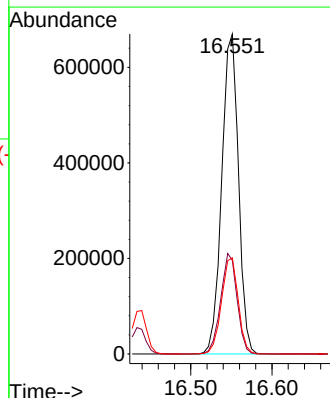
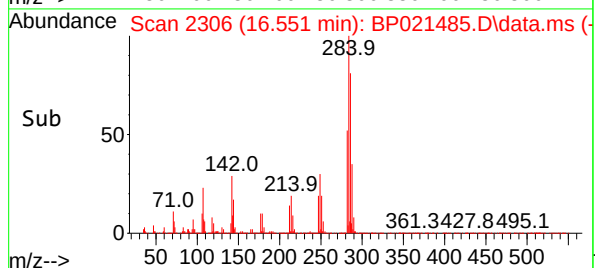
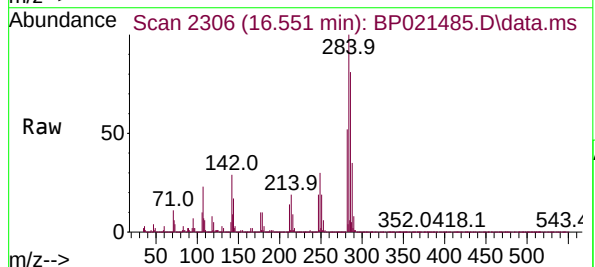
Manual Integrations
APPROVED

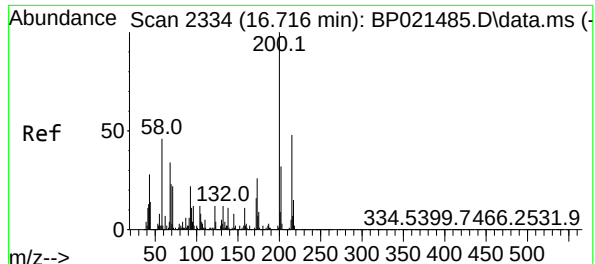
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

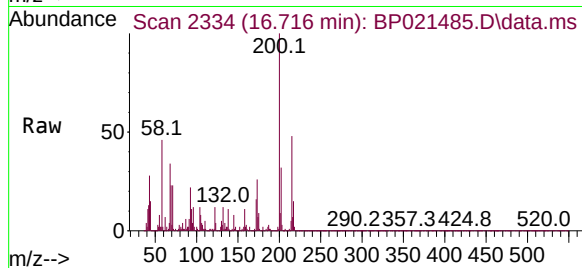
Tgt Ion:284 Resp: 958921
Ion Ratio Lower Upper
284 100
142 29.3 23.4 35.2
249 30.1 24.1 36.1





#69
Atrazine
Concen: 41.419 ng
RT: 16.716 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

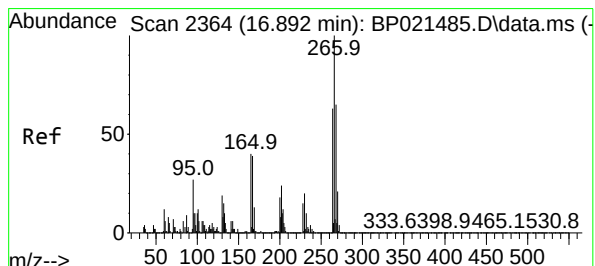
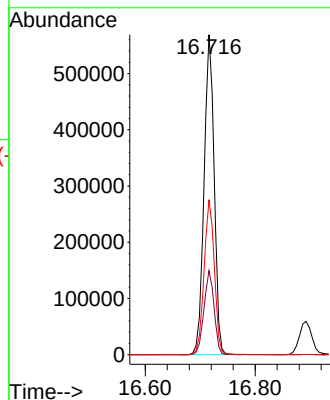
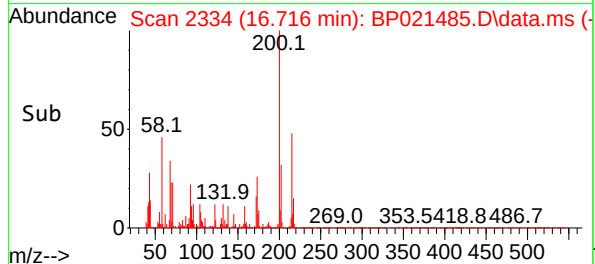
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



Tgt Ion: 200 Resp: 726072
Ion Ratio Lower Upper
200 100
173 26.2 6.2 46.2
215 48.4 28.4 68.4

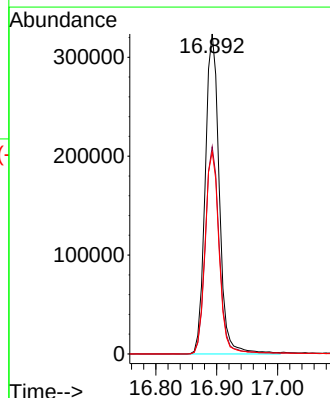
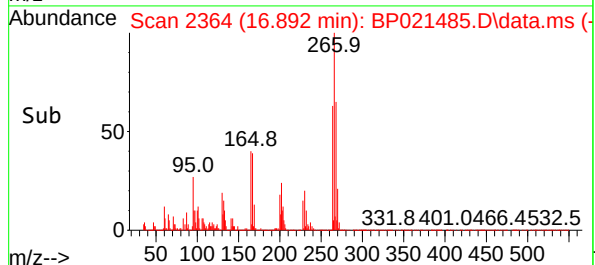
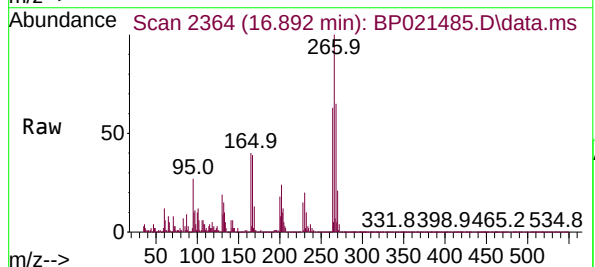
Manual Integrations
APPROVED

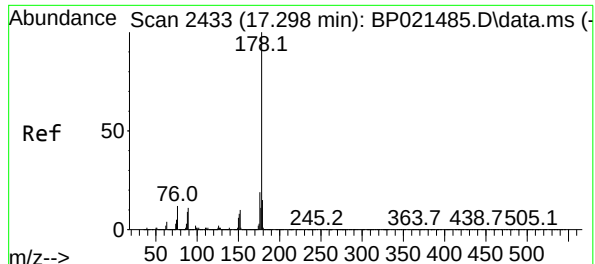
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#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

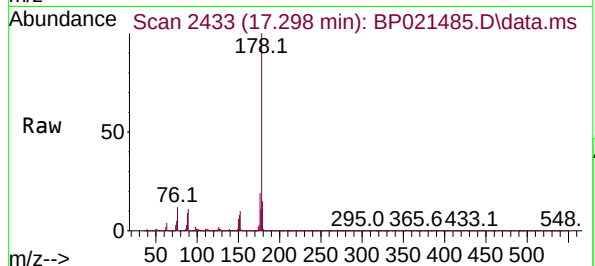
Tgt Ion: 266 Resp: 520400
Ion Ratio Lower Upper
266 100
268 64.7 51.8 77.6
264 63.1 50.5 75.7





#71
Phenanthrene
Concen: 40.150 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

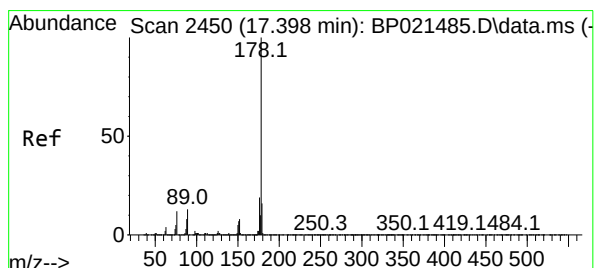
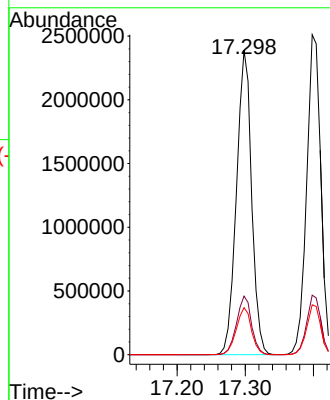
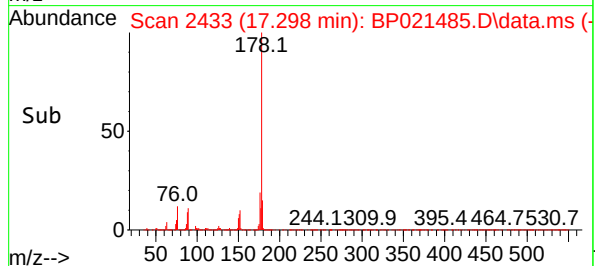
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



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

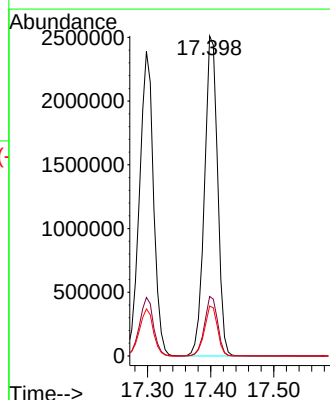
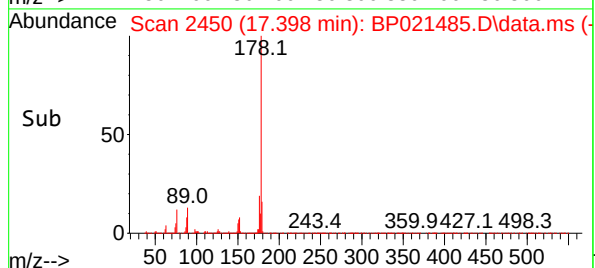
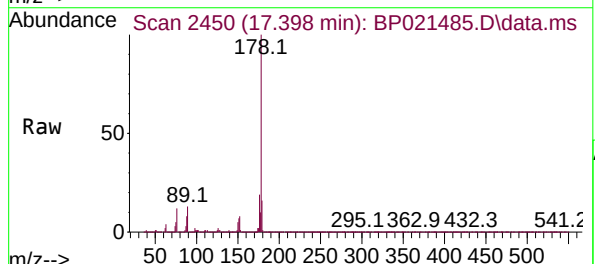
Manual Integrations
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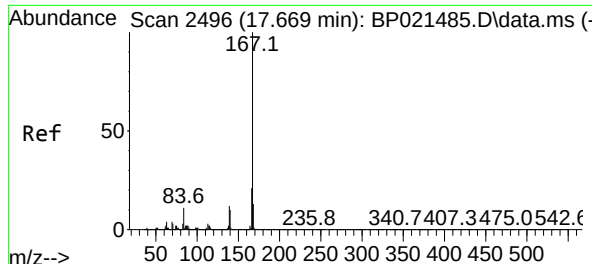
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

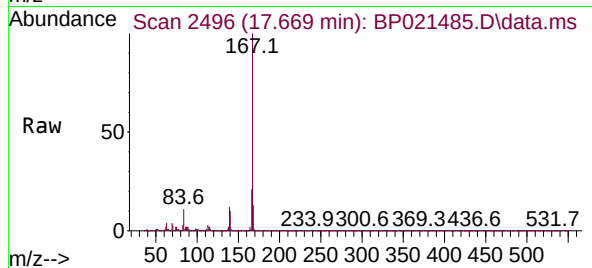
Tgt Ion:178 Resp: 3619950
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.6 12.5 18.7





#73
Carbazole
Concen: 40.912 ng
RT: 17.669 min Scan# 2496
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

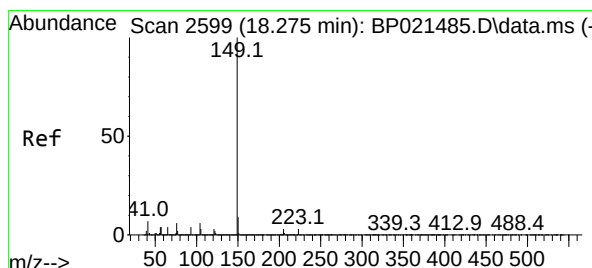
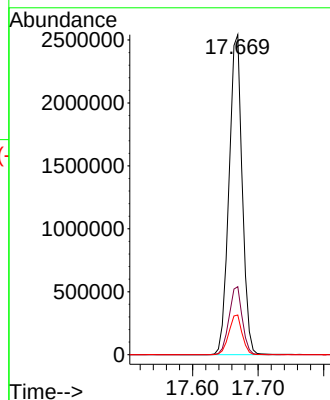
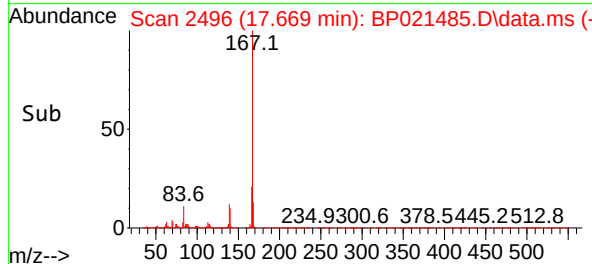
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



Tgt Ion:167 Resp: 3543089
Ion Ratio Lower Upper
167 100
166 21.2 17.0 25.4
139 12.4 9.9 14.9

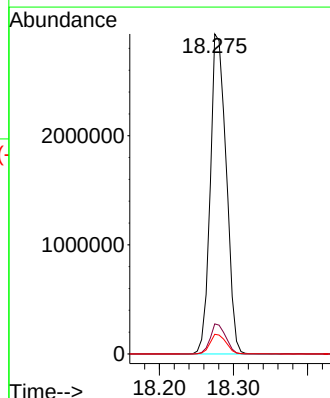
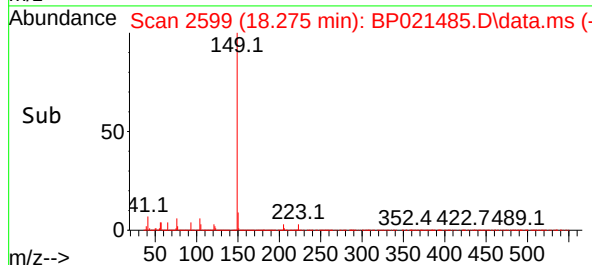
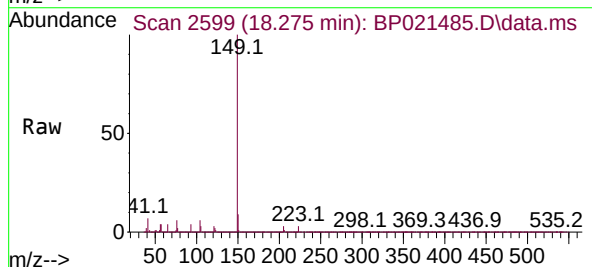
Manual Integrations
APPROVED

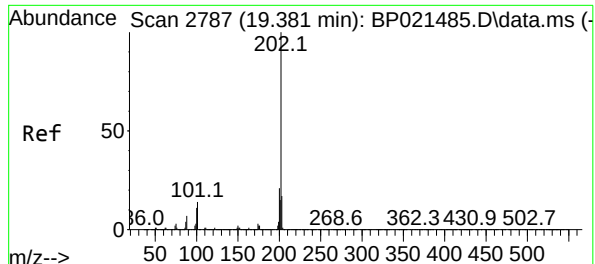
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

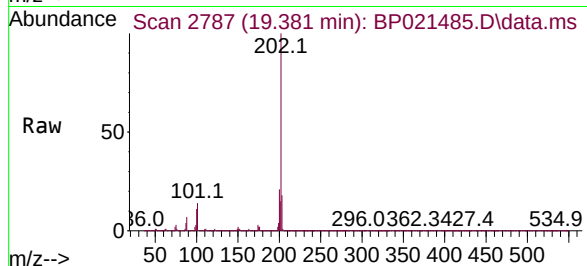
Tgt Ion:149 Resp: 4378720
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 6.1 4.9 7.3





#75
Fluoranthene
Concen: 40.674 ng
RT: 19.381 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

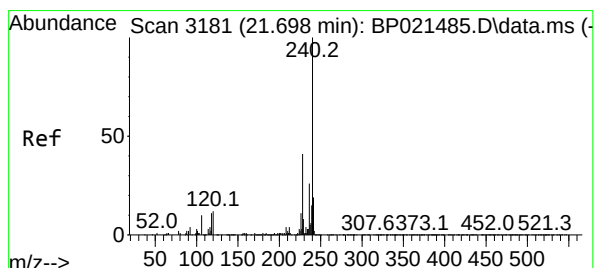
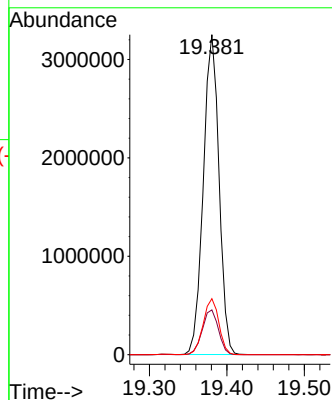
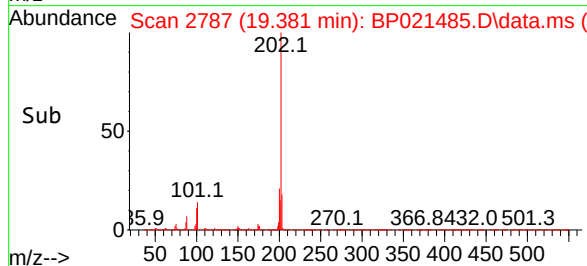
Instrument :
BNA_P
ClientSampleId :
SSTDICCC040



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

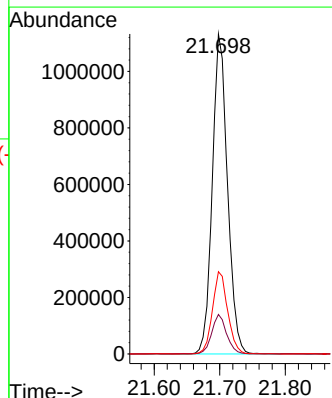
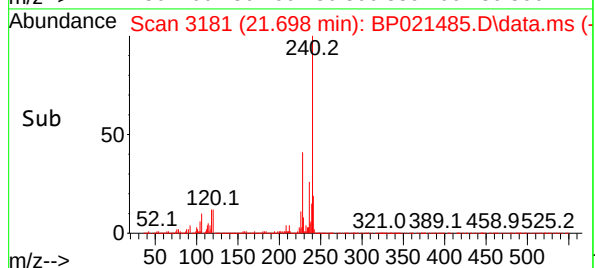
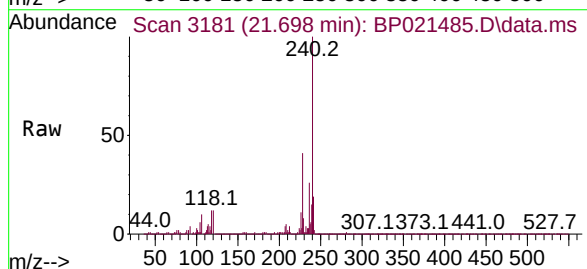
Manual Integrations
APPROVED

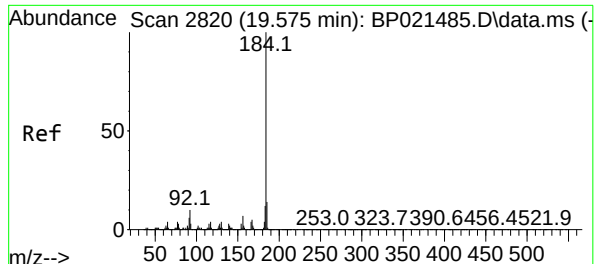
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





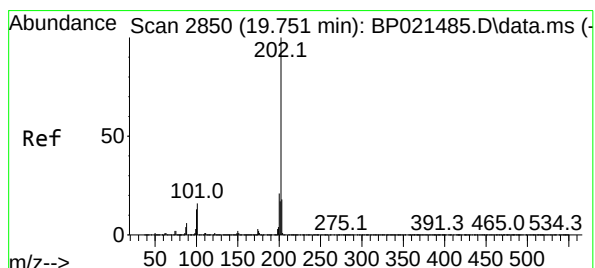
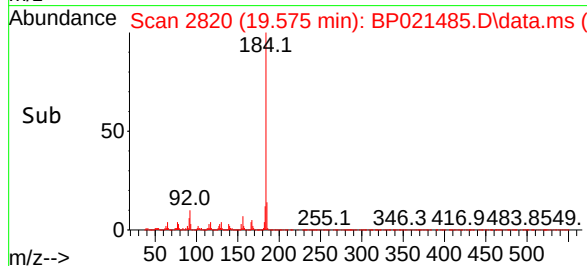
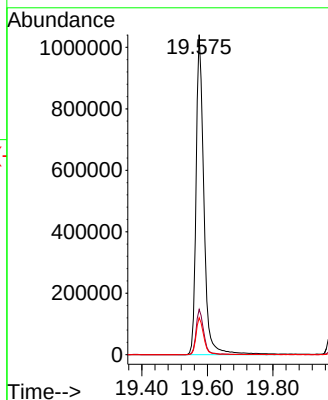
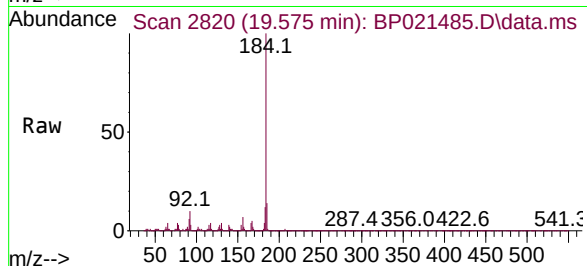
#77
Benzidine
Concen: 41.023 ng
RT: 19.575 min Scan# 2820
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

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

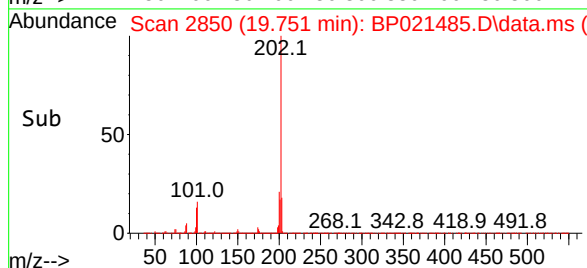
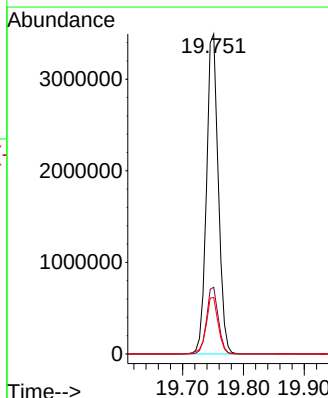
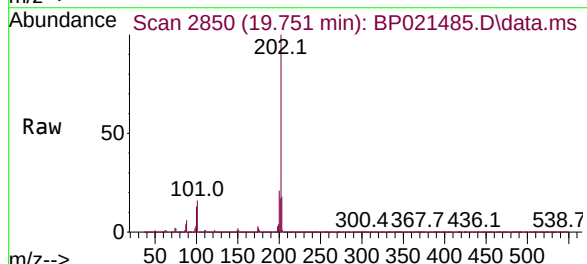
Manual Integrations
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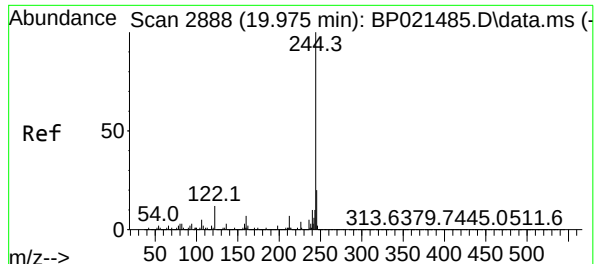
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

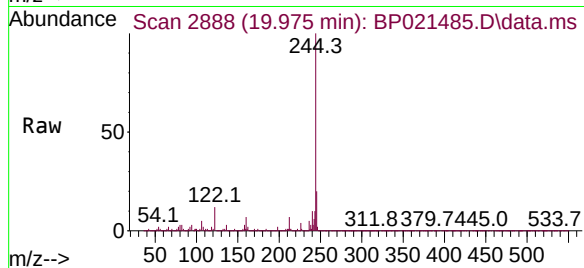
Tgt Ion:202 Resp: 4694393
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.6 14.1 21.1





#79
Terphenyl-d14
Concen: 78.155 ng
RT: 19.975 min Scan# 2888
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

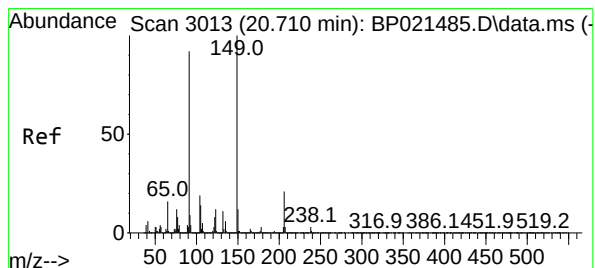
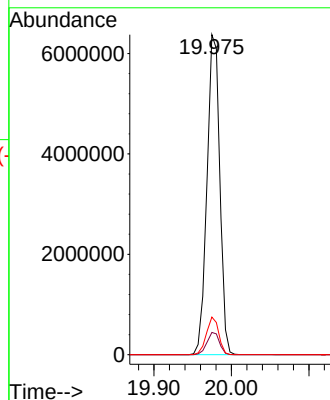
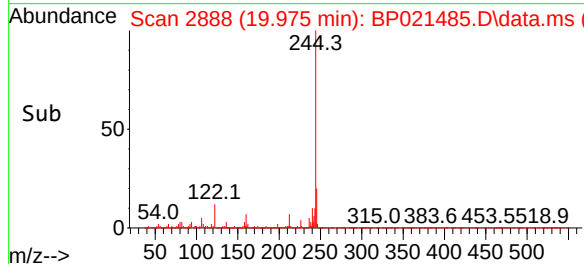
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



Tgt Ion: 244 Resp: 7322059
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 11.8 9.4 14.2

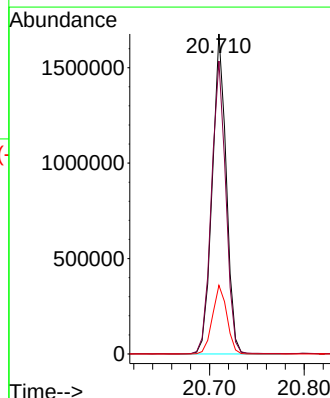
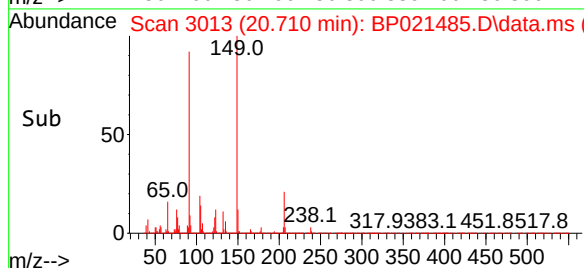
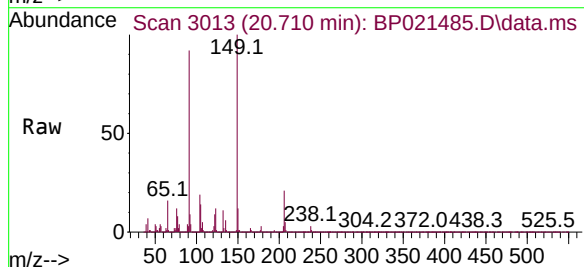
Manual Integrations
APPROVED

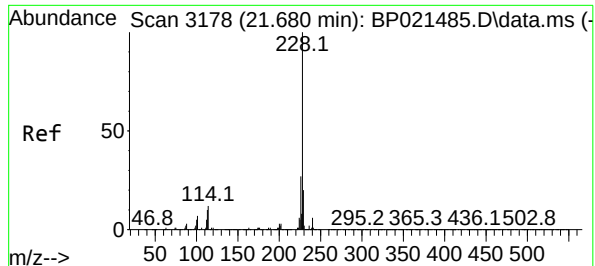
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#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





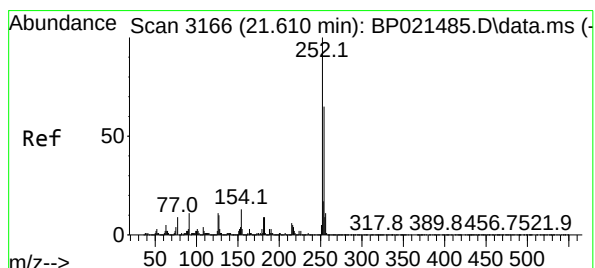
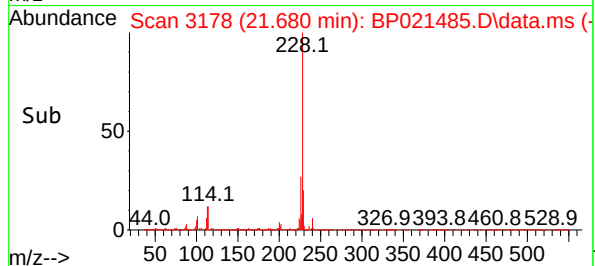
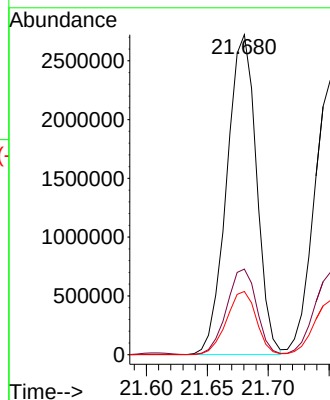
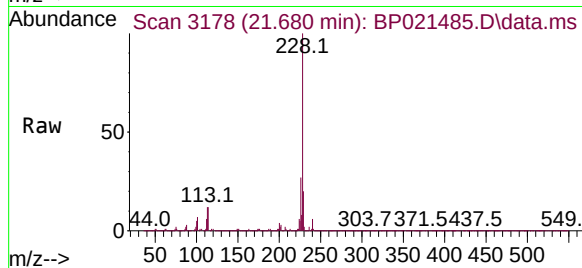
#81
Benzo(a)anthracene
Concen: 40.395 ng
RT: 21.680 min Scan# 3178
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
Client Sample Id :
SSTDICCC040

Tgt Ion:228 Resp: 4615389
Ion Ratio Lower Upper
228 100
226 26.8 21.4 32.2
229 19.7 15.8 23.6

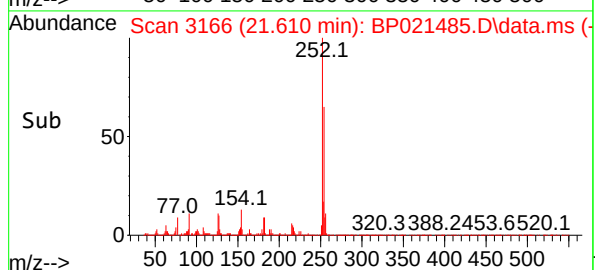
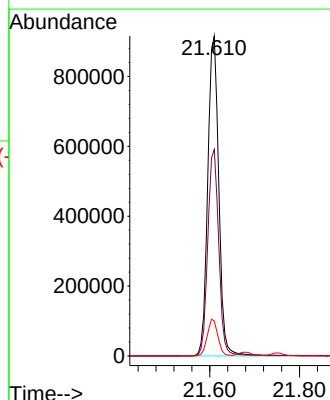
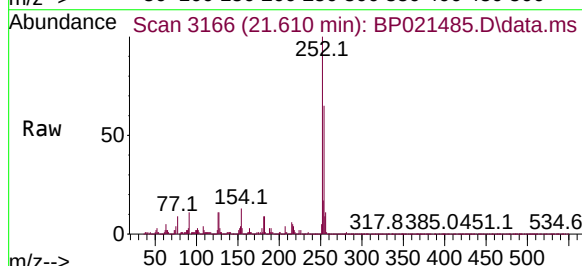
Manual Integrations
APPROVED

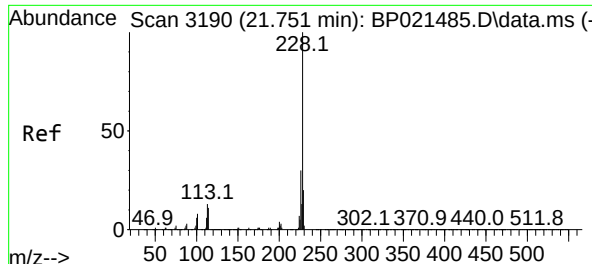
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 3190

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:228 Resp: 435869

Ion Ratio Lower Upper

228 100

226 29.9 23.9 35.9

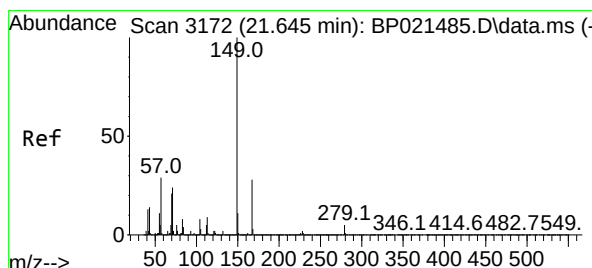
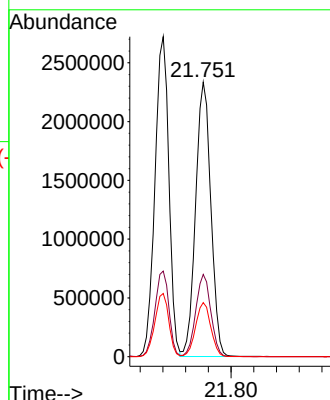
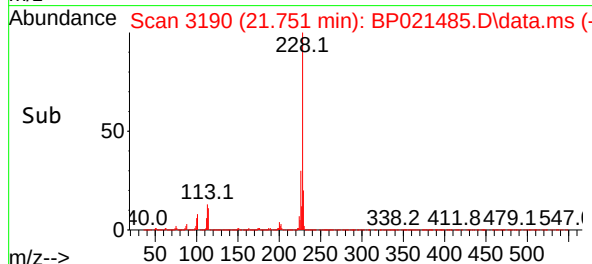
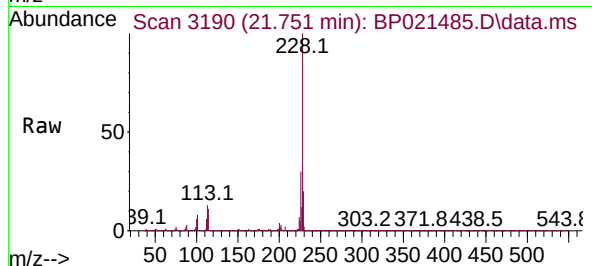
229 19.7 15.8 23.6

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

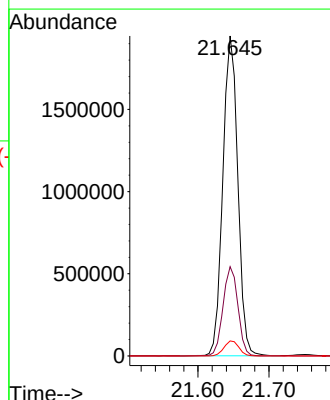
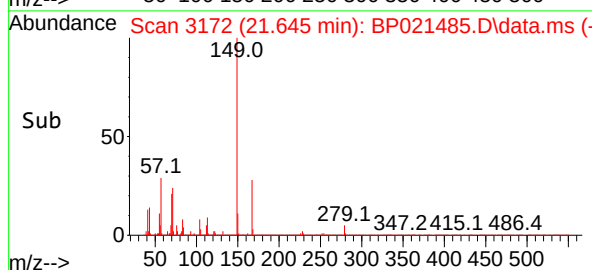
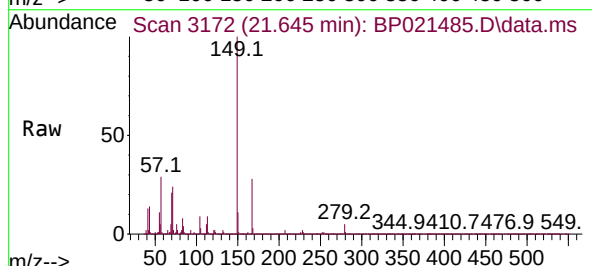
Tgt Ion:149 Resp: 2841806

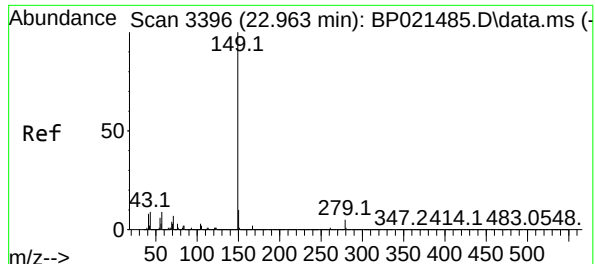
Ion Ratio Lower Upper

149 100

167 27.9 22.3 33.5

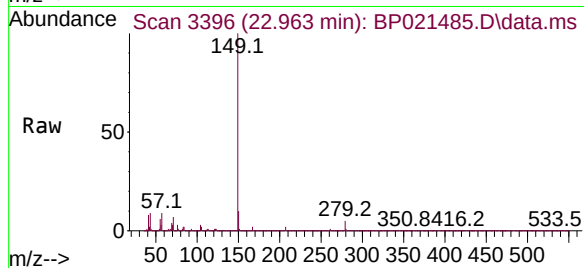
279 4.7 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 39.238 ng
RT: 22.963 min Scan# 3396
Delta R.T. -0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

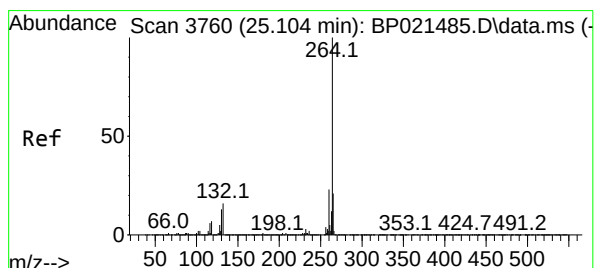
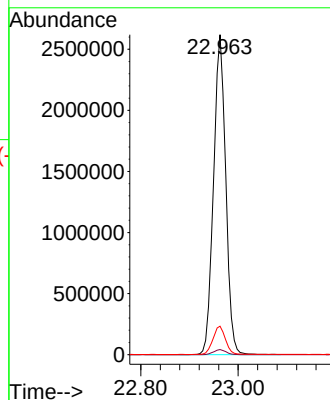
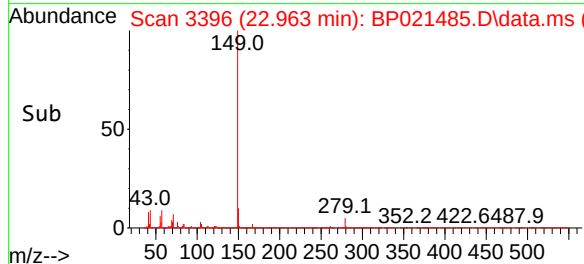
Instrument :
BNA_P
Client Sample Id :
SSTDICCC040



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

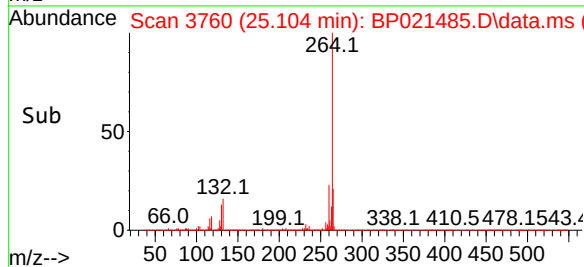
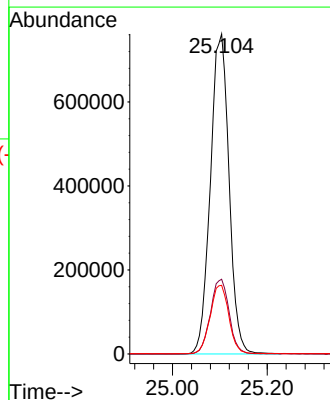
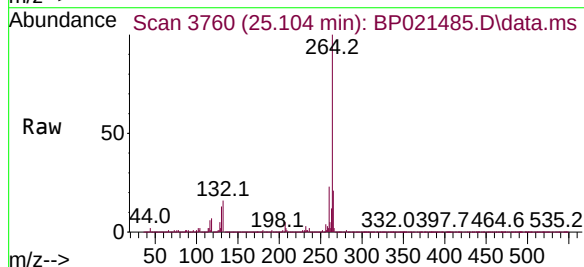
Manual Integrations
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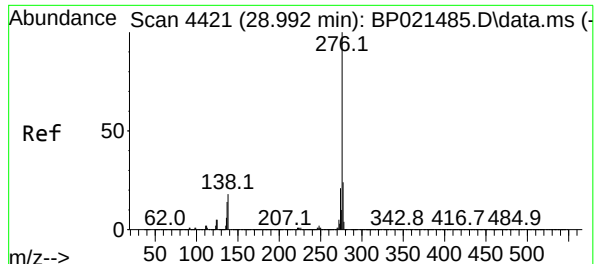
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.104 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





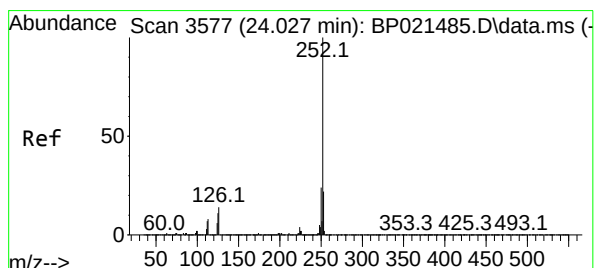
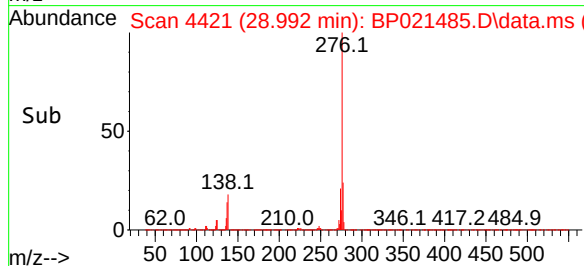
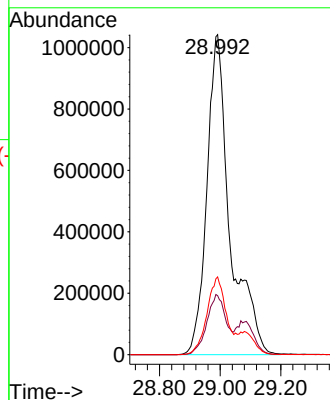
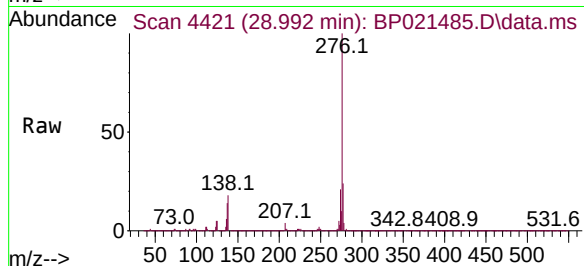
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.941 ng m
RT: 28.992 min Scan# 4421
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion: 276 Resp: 5533549
Ion Ratio Lower Upper
276 100
138 16.0 12.8 19.2
277 20.6 16.5 24.7

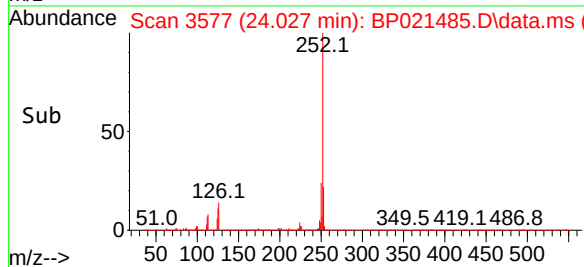
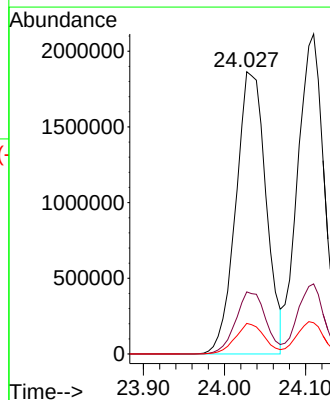
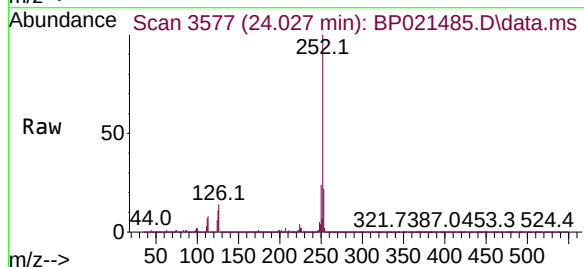
Manual Integrations
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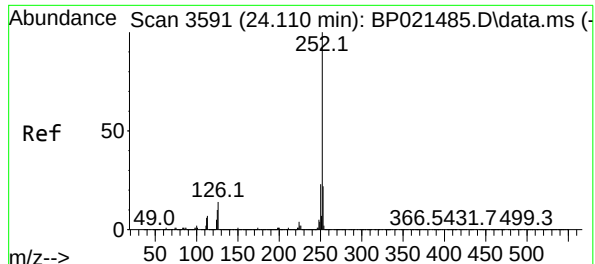
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 3591

Delta R.T. 0.000 min

Lab File: BP021485.D

Acq: 13 Aug 2024 15:26

Instrument :

BNA_P

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 4757000

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

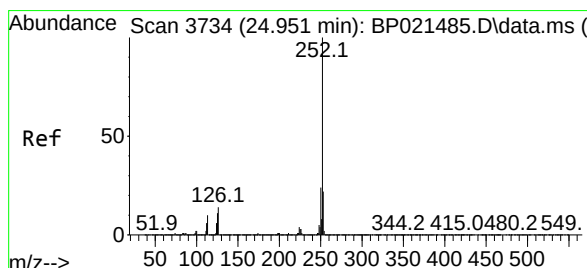
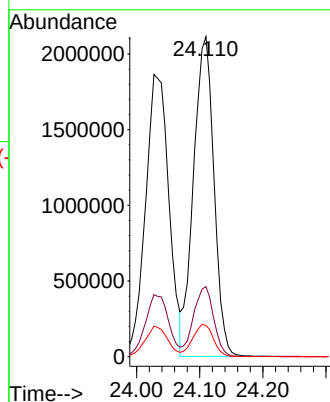
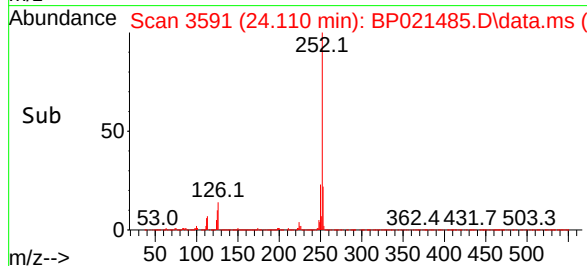
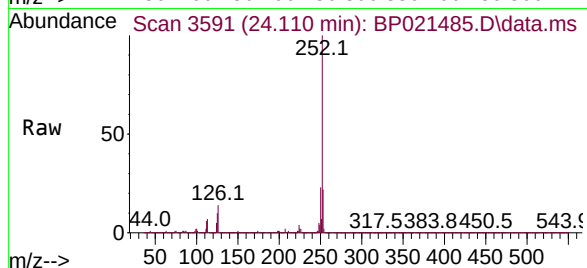
125 9.8 7.8 11.8

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

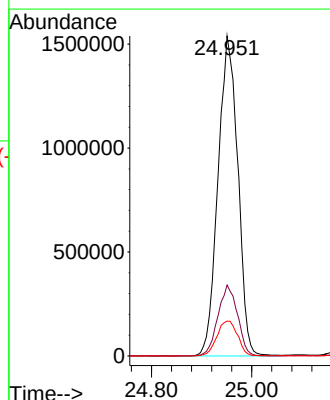
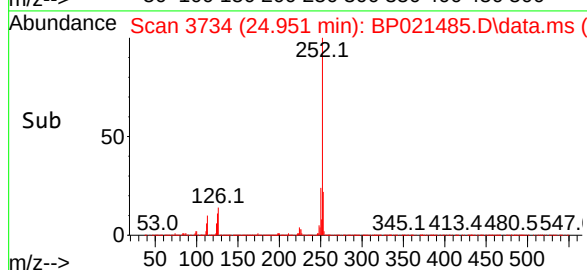
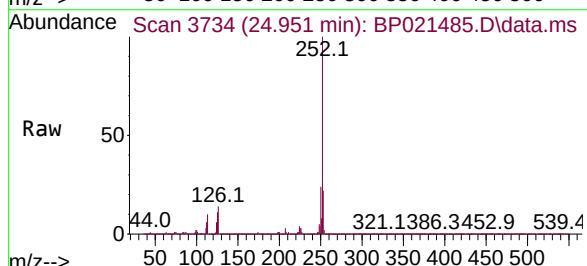
Tgt Ion:252 Resp: 4221348

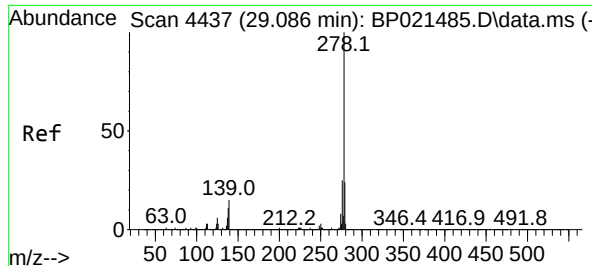
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 10.9 8.7 13.1





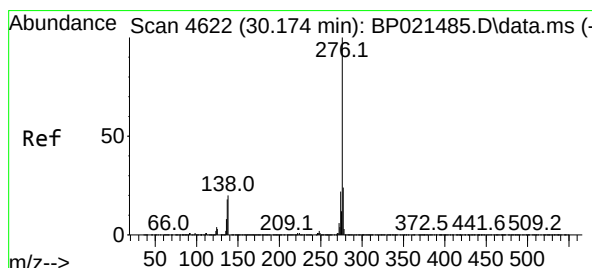
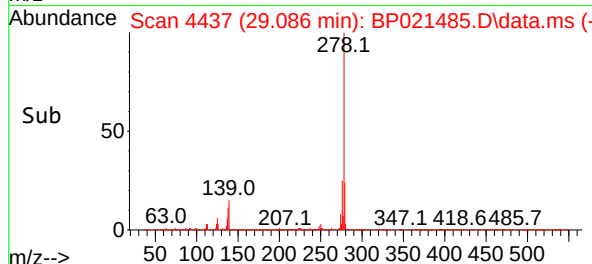
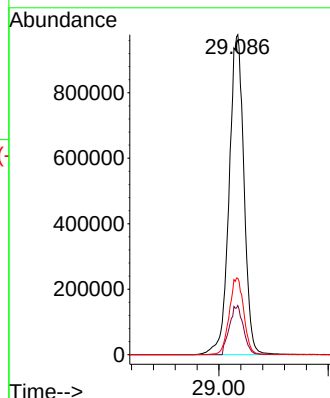
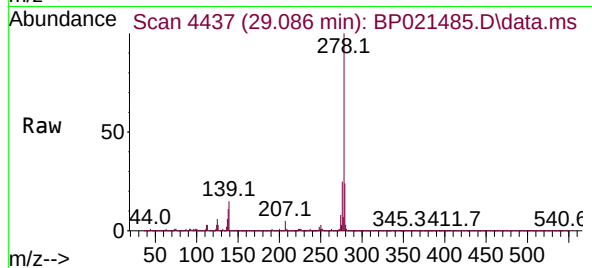
#91
Dibenzo(a,h)anthracene
Concen: 40.908 ng
RT: 29.086 min Scan# 4437
Delta R.T. 0.000 min
Lab File: BP021485.D
Acq: 13 Aug 2024 15:26

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 4594554
Ion Ratio Lower Upper
278 100
139 15.3 12.2 18.4
279 23.9 19.1 28.7

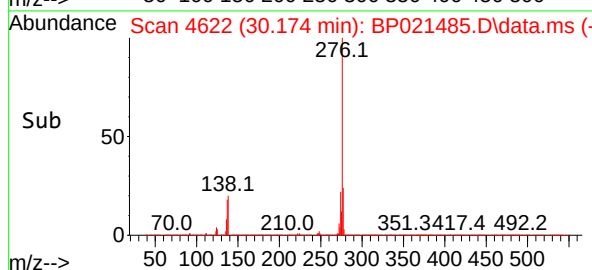
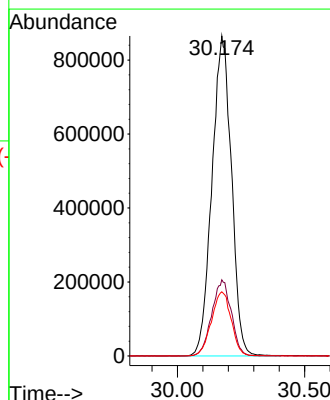
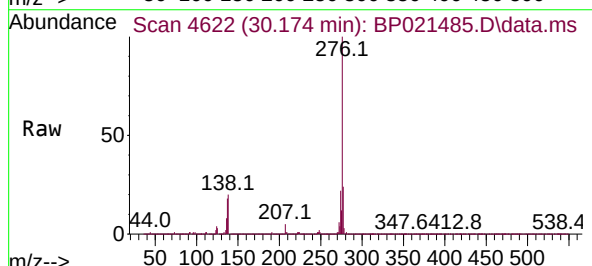
Manual Integrations
APPROVED

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

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024

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

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

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024

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

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

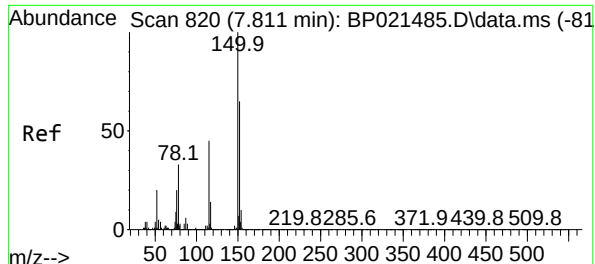
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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





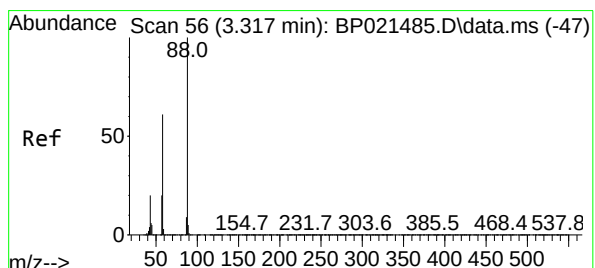
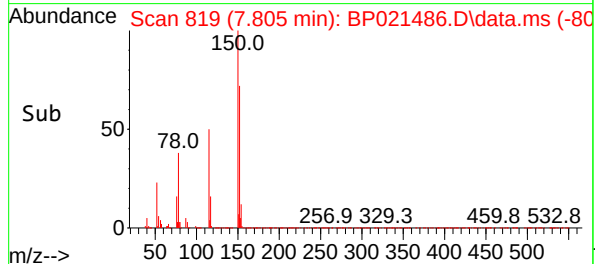
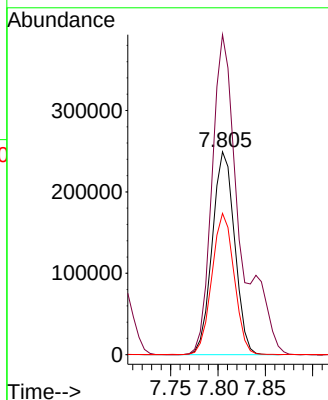
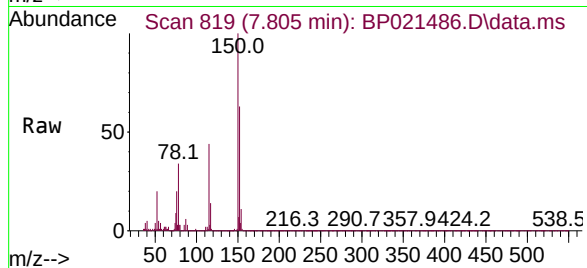
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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

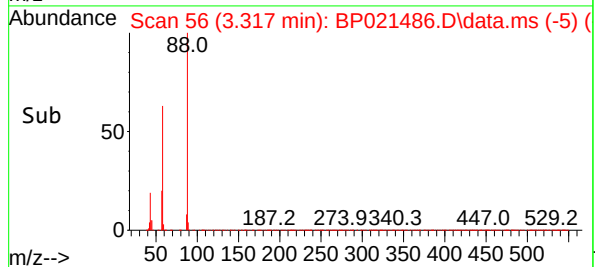
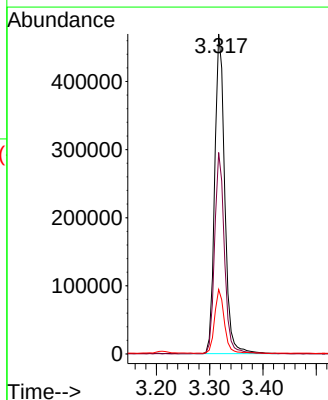
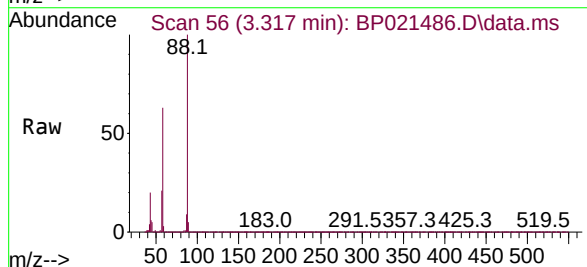
Manual Integrations
APPROVED

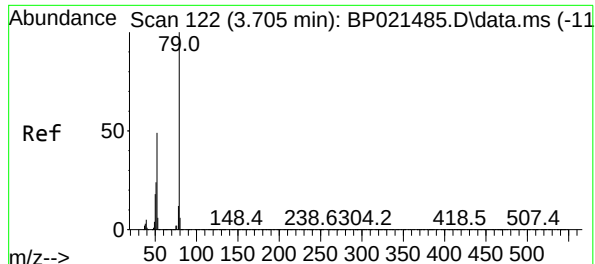
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

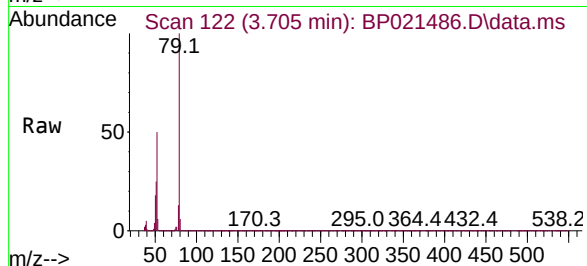
Tgt Ion: 88 Resp: 614292
Ion Ratio Lower Upper
88 100
58 61.9 48.7 73.1
43 19.4 15.4 23.2





#3
Pyridine
Concen: 48.836 ng m
RT: 3.705 min Scan# 122
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

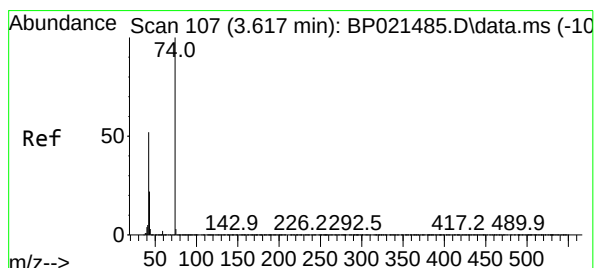
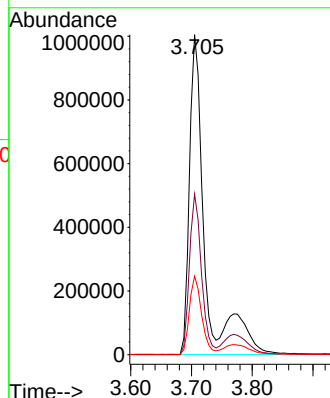
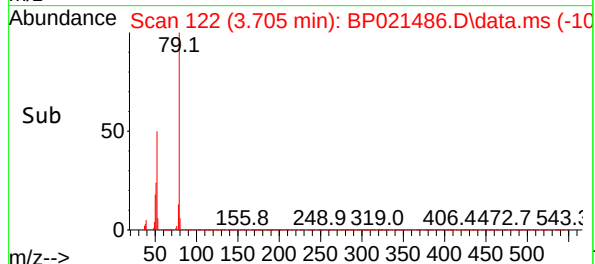
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



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

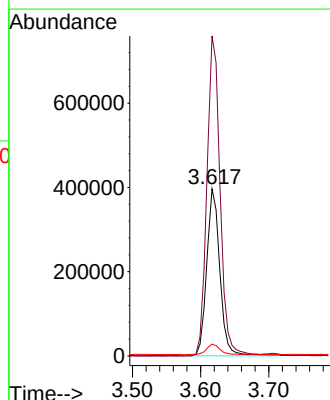
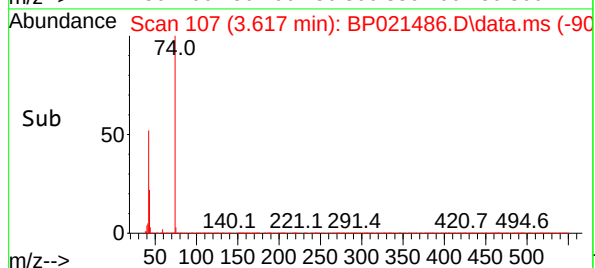
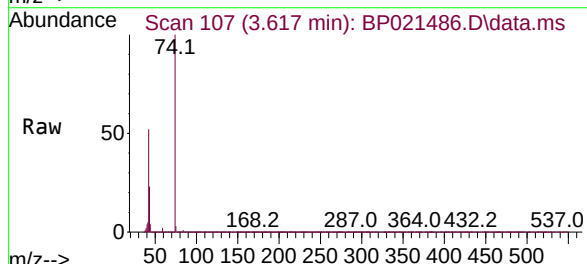
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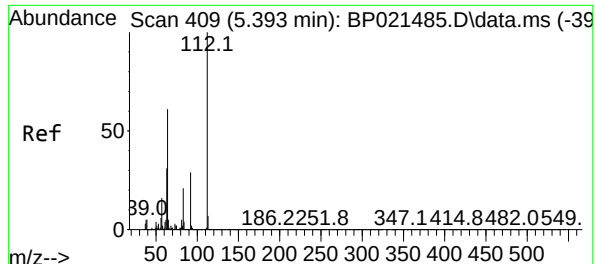
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





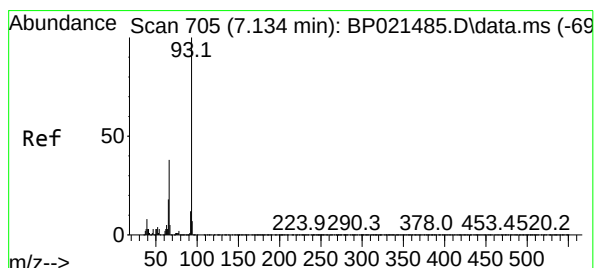
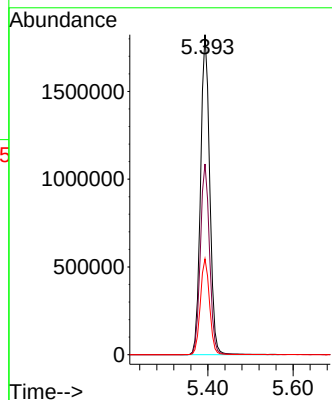
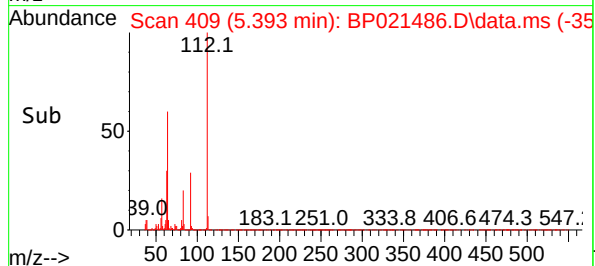
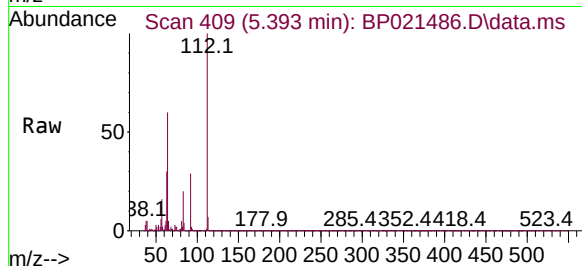
#5
2-Fluorophenol
Concen: 98.280 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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

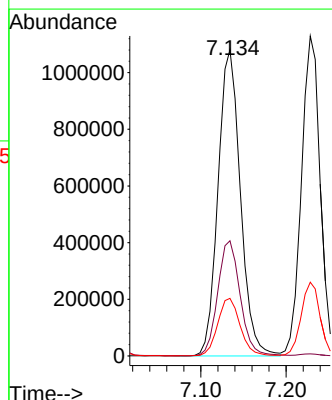
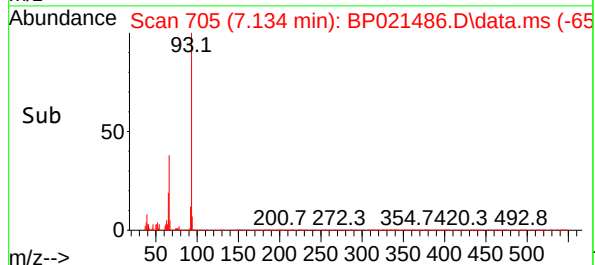
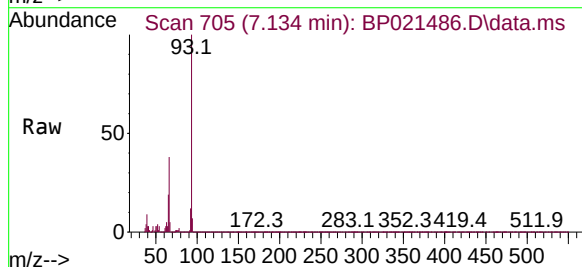
Manual Integrations
APPROVED

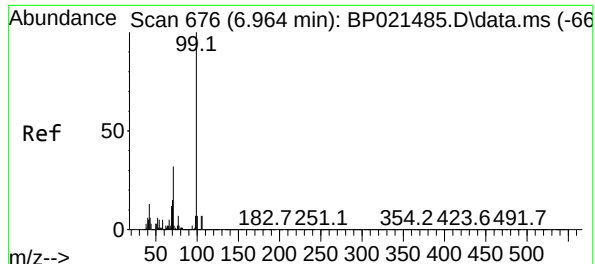
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 61

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion: 99 Resp: 400437

Ion Ratio Lower Upper

99 100

42 12.8 10.2 15.4

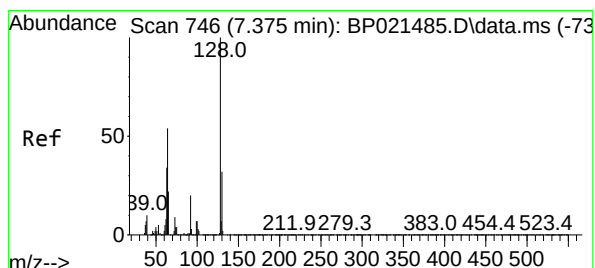
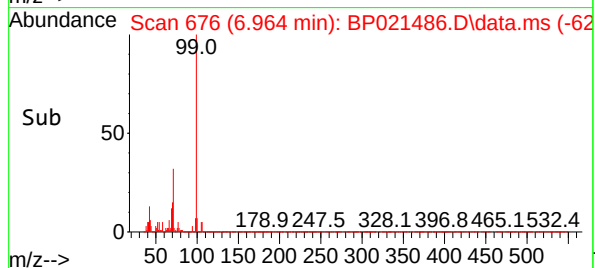
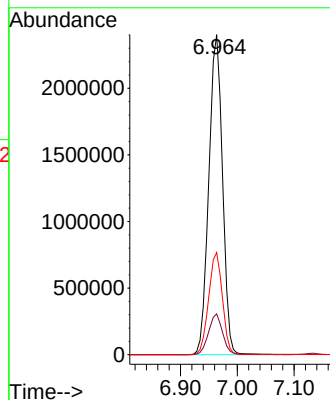
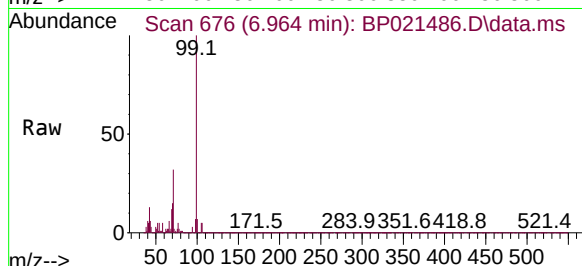
71 31.9 25.8 38.8

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

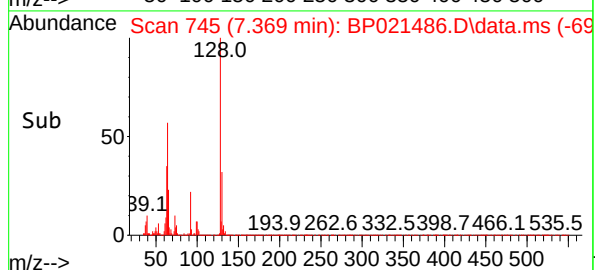
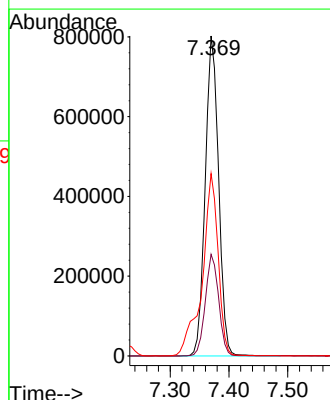
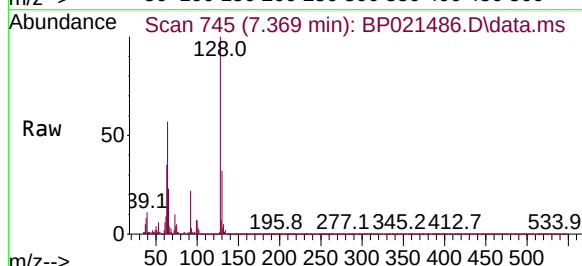
Tgt Ion:128 Resp: 1266906

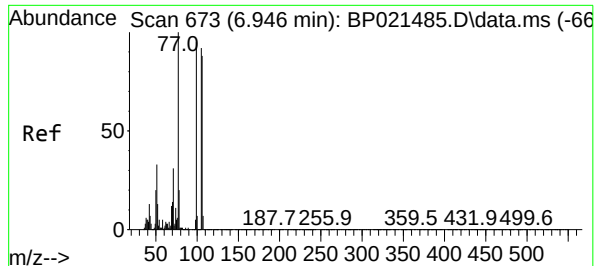
Ion Ratio Lower Upper

128 100

130 31.8 11.6 51.6

64 57.0 35.3 75.3





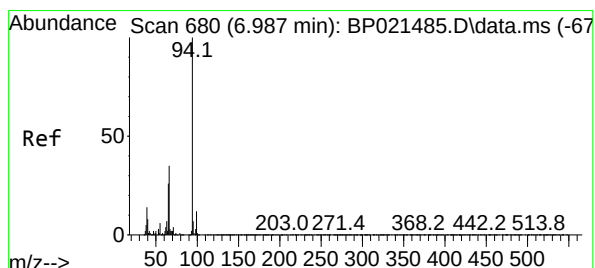
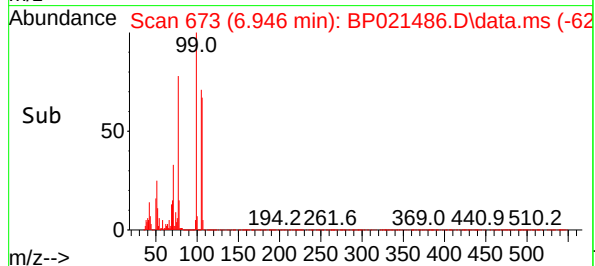
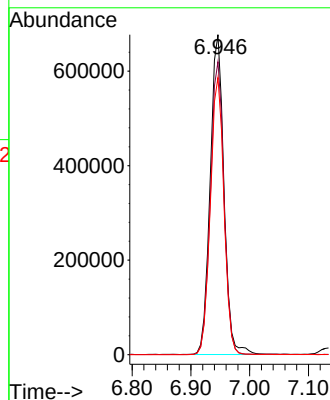
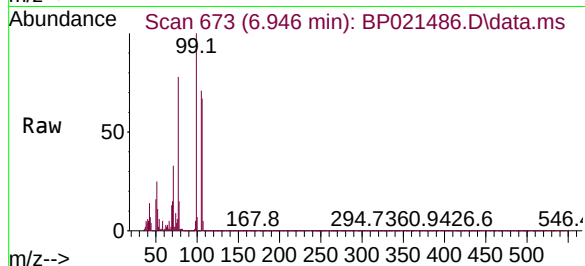
#9
Benzaldehyde
Concen: 42.632 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1099572
Ion Ratio Lower Upper
77 100
105 91.6 72.1 112.1
106 86.6 67.9 107.9

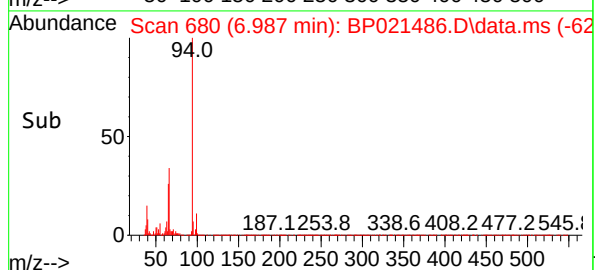
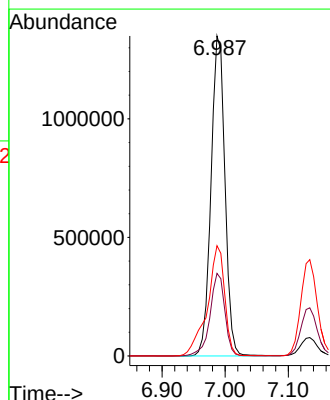
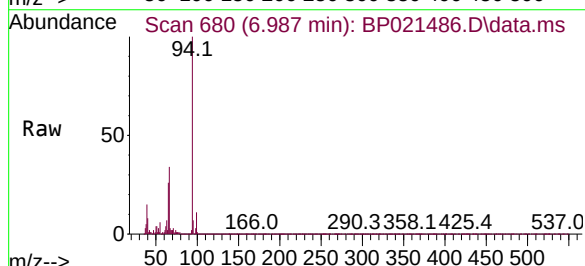
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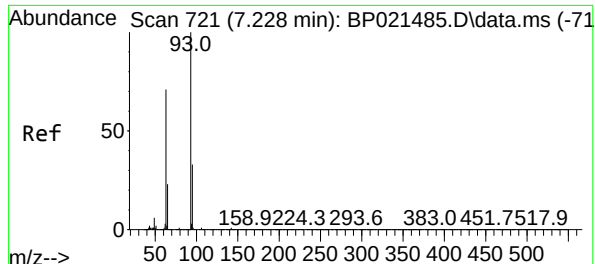
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 721

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion: 93 Resp: 1722098

Ion Ratio Lower Upper

93 100

63 70.8 51.0 91.0

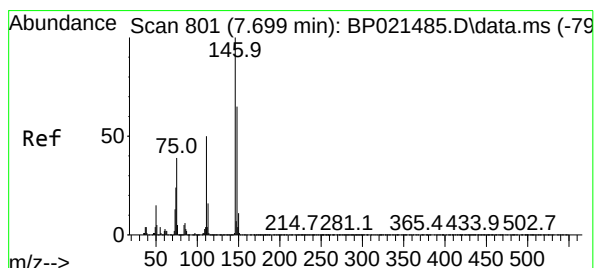
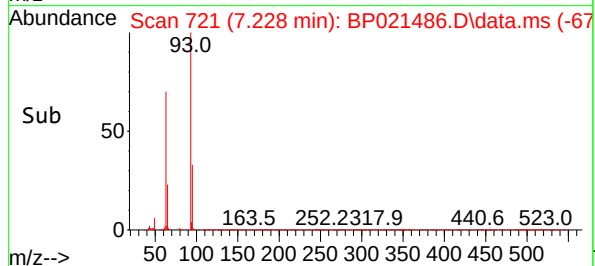
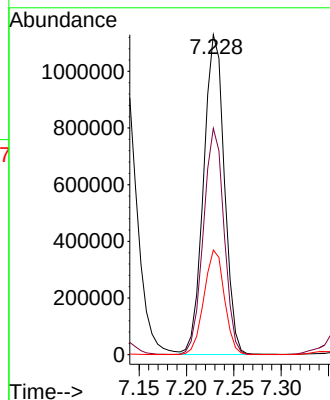
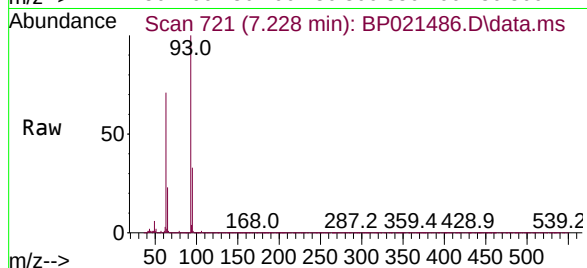
95 32.7 12.9 52.9

Manual Integrations

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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

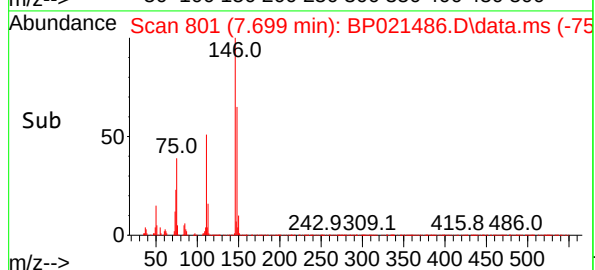
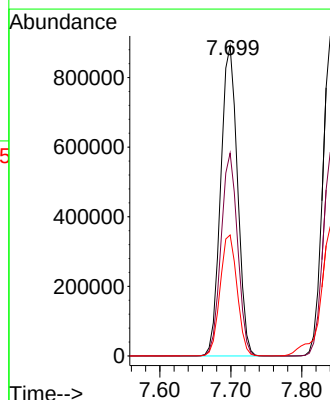
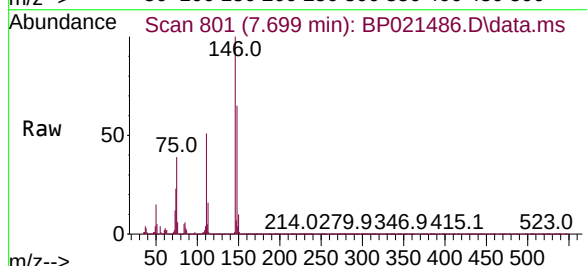
Tgt Ion:146 Resp: 1457386

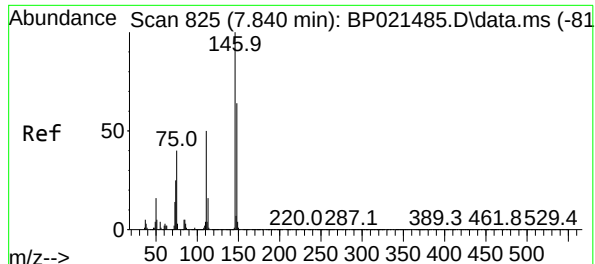
Ion Ratio Lower Upper

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# 81

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:146 Resp: 147054

Ion Ratio Lower Upper

146 100

148 63.7 51.5 77.3

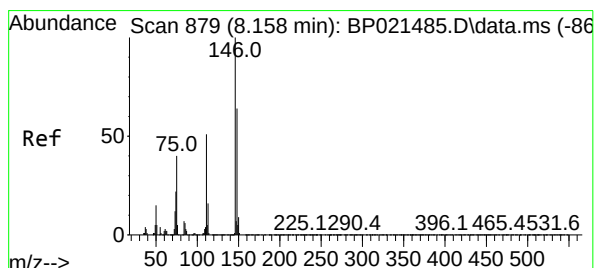
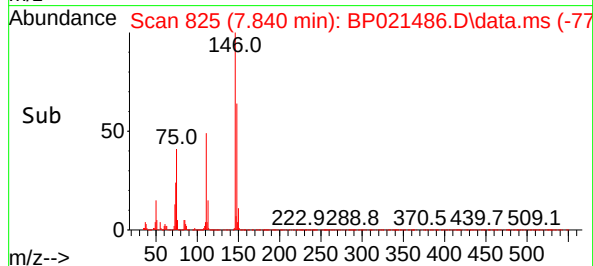
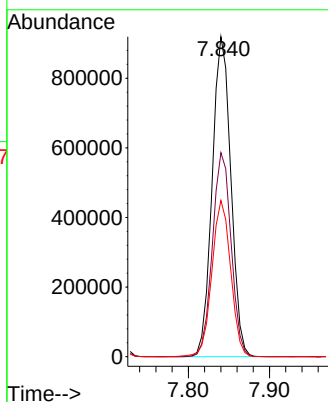
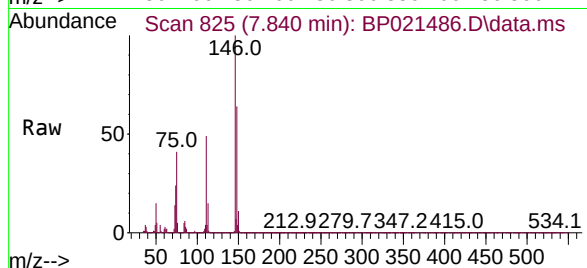
111 48.8 40.3 60.5

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

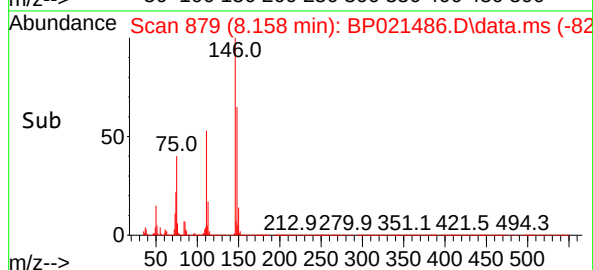
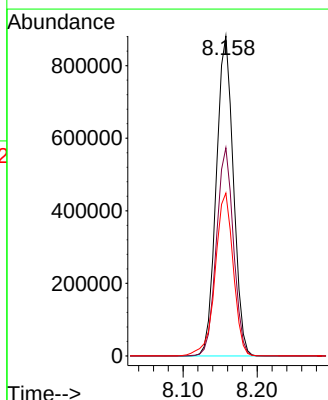
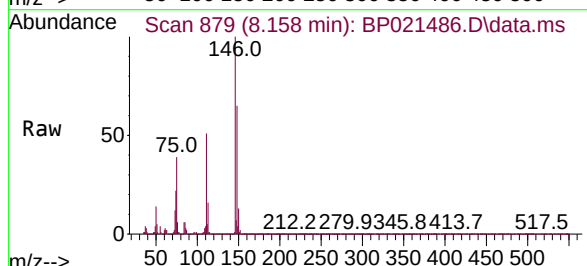
Tgt Ion:146 Resp: 1411170

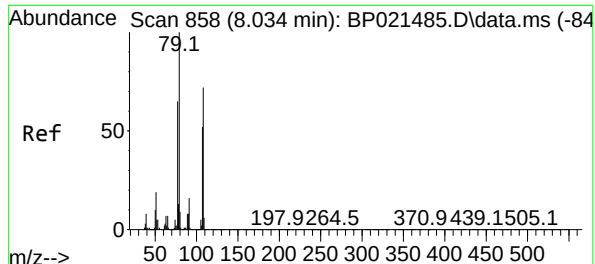
Ion Ratio Lower Upper

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# 858

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 1452510

Ion Ratio Lower Upper

79 100

108 73.0 57.9 86.9

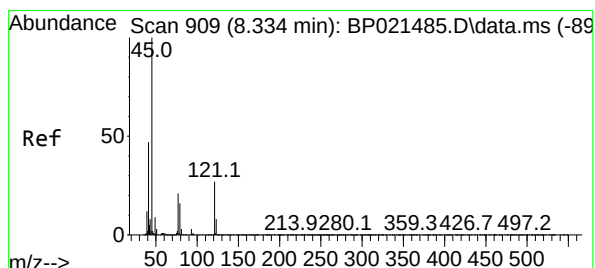
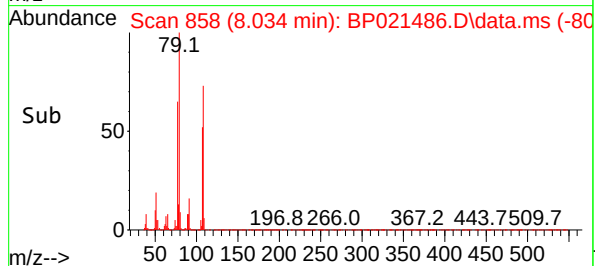
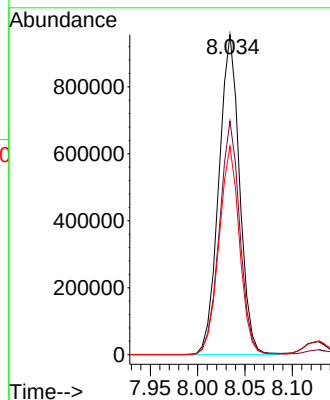
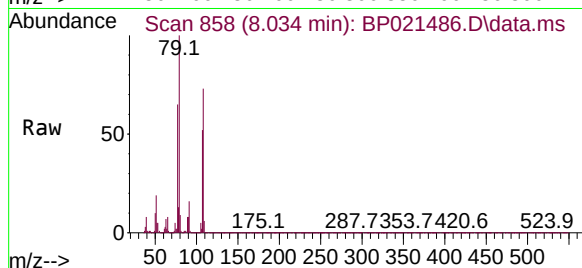
77 65.1 51.8 77.8

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

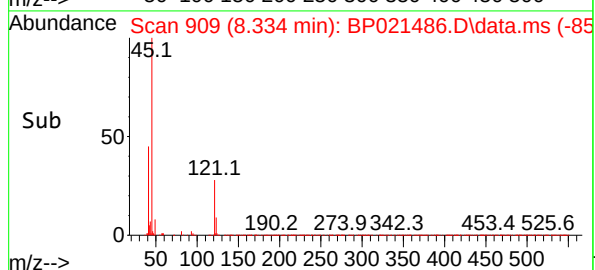
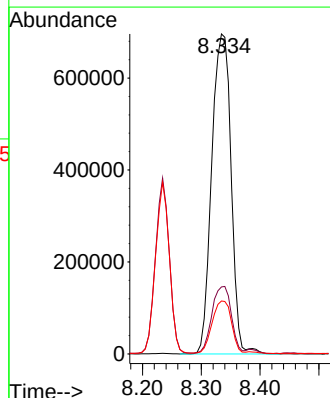
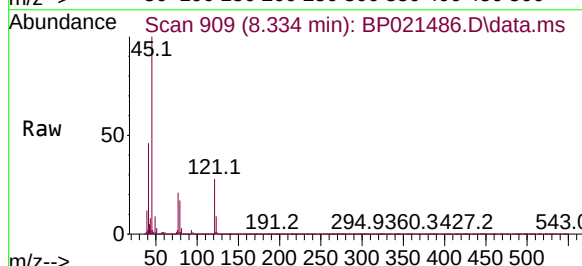
Tgt Ion: 45 Resp: 1588042

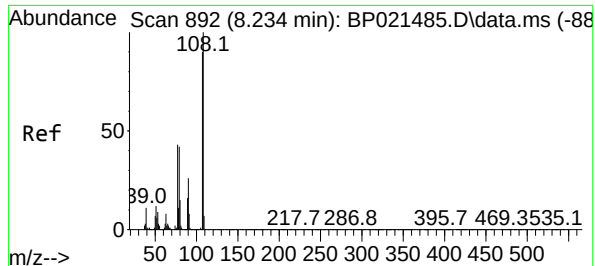
Ion Ratio Lower Upper

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# 892

Delta R.T. 0.000 min

Lab File: BP021486.D

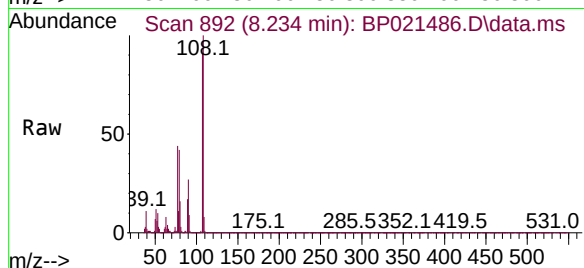
Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050



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

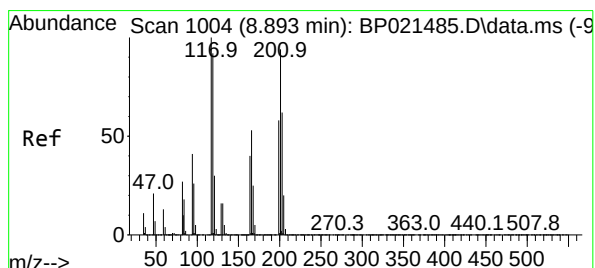
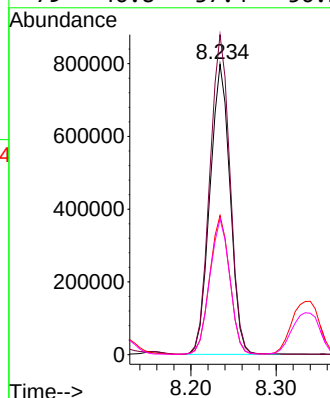
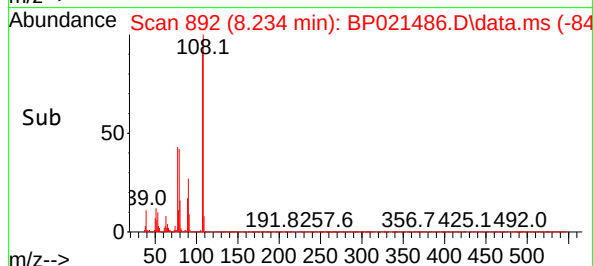
79 46.8 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#18

Hexachloroethane

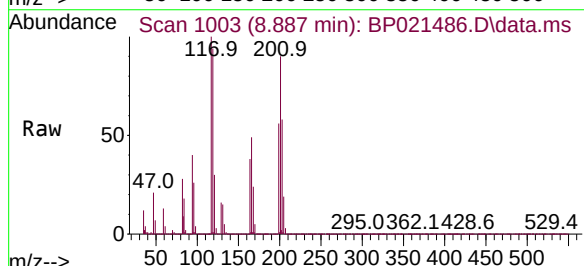
Concen: 49.004 ng

RT: 8.887 min Scan# 1003

Delta R.T. -0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09



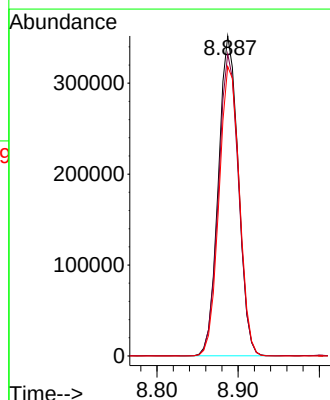
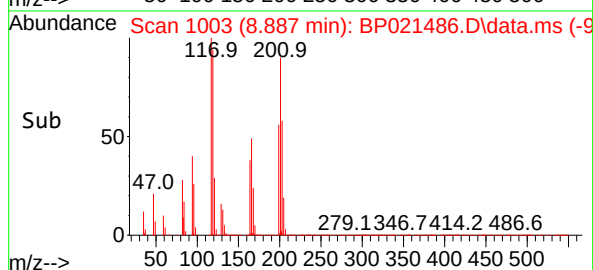
Tgt Ion:117 Resp: 601480

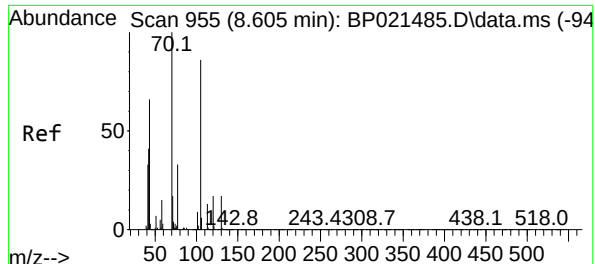
Ion Ratio Lower Upper

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# 91

Delta R.T. 0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

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

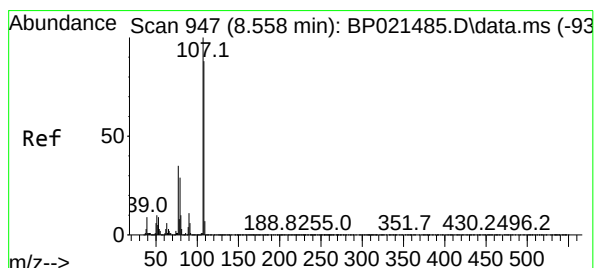
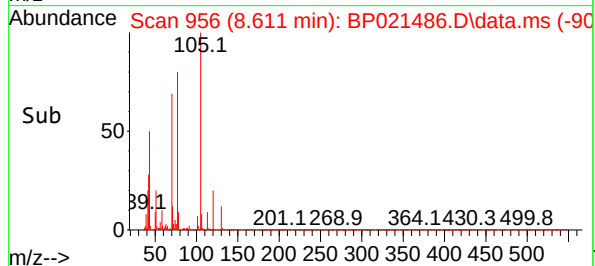
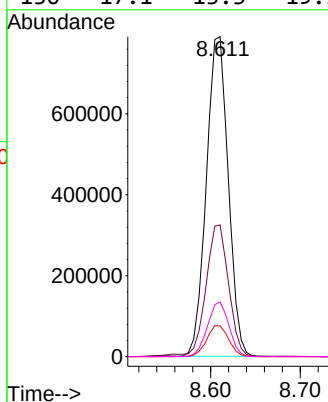
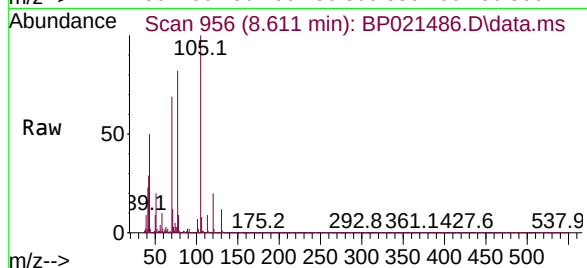
130 17.1 13.3 19.9

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

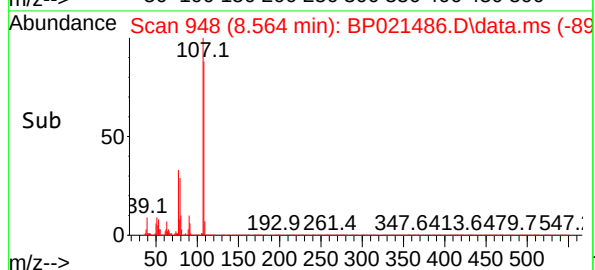
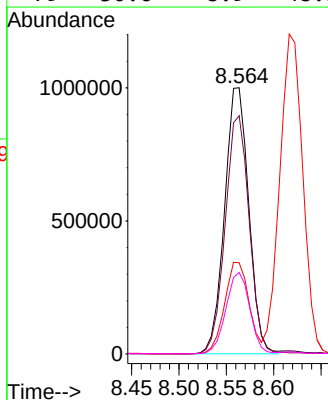
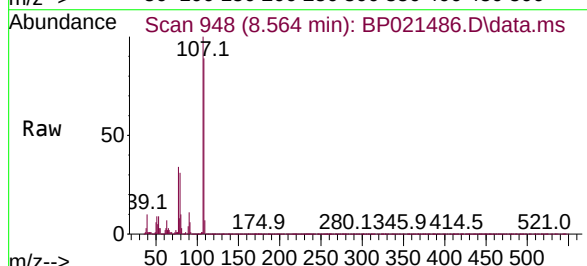
Ion Ratio Lower Upper

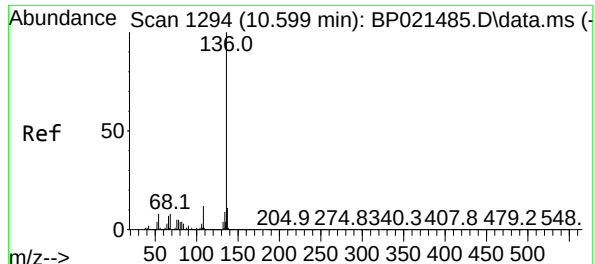
107 100

108 89.5 67.6 107.6

77 34.2 15.0 55.0

79 30.6 8.9 48.9





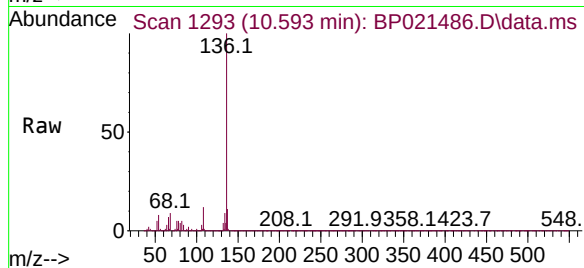
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

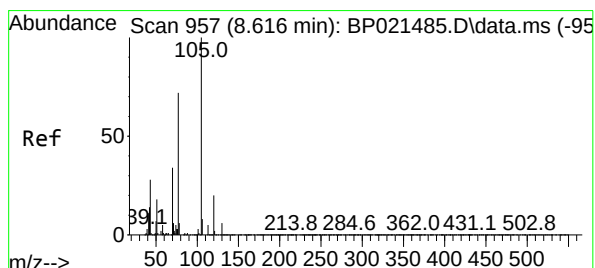
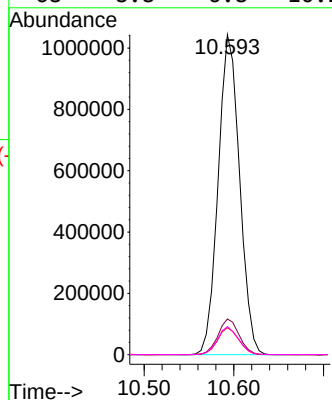
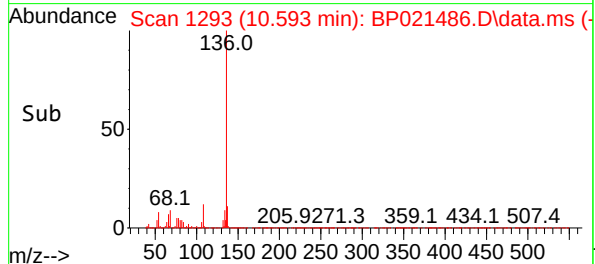


Tgt Ion:136 Resp: 1728750
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 8.5 6.3 9.5
68 8.8 6.8 10.2

Manual Integrations

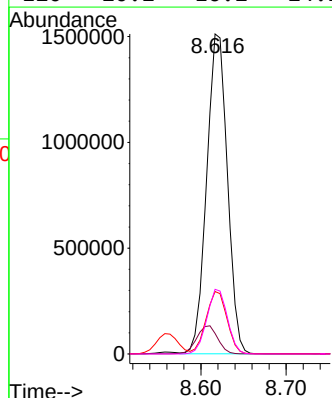
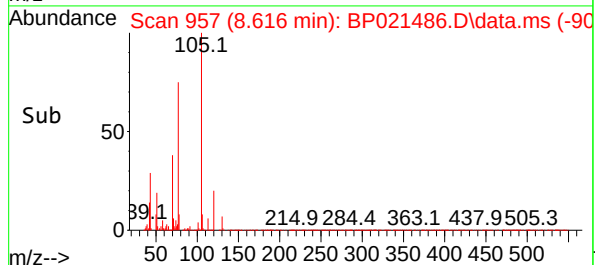
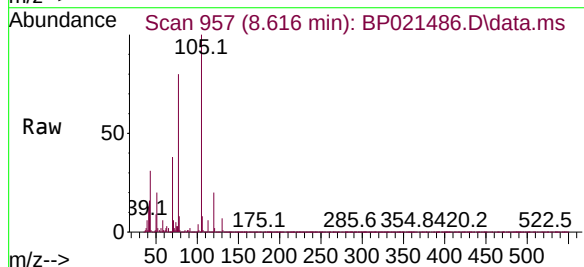
APPROVED

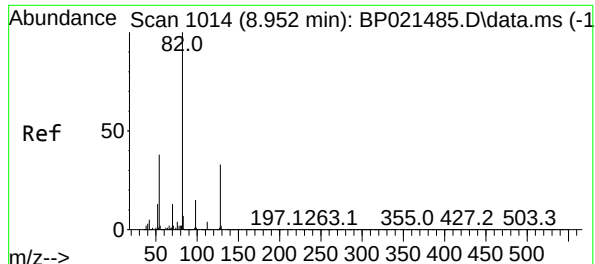
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1015

Delta R.T. 0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 355921

Ion Ratio Lower Upper

82 100

128 34.8 26.5 39.7

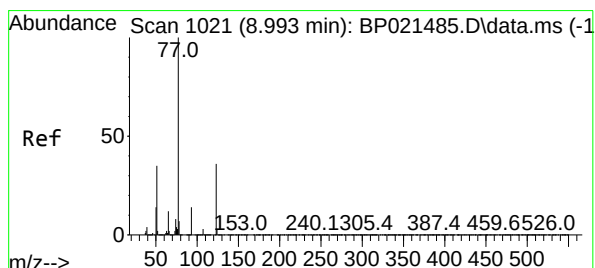
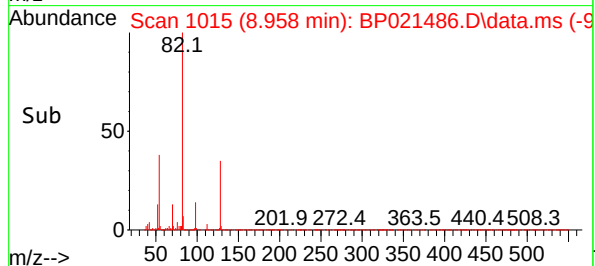
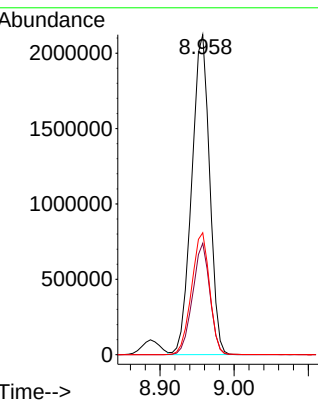
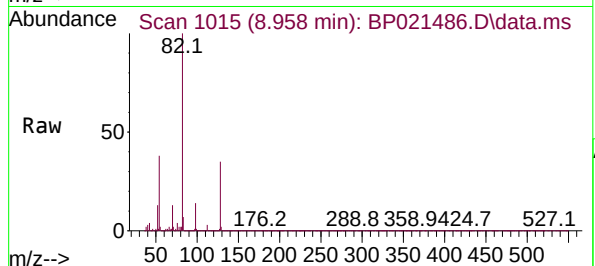
54 38.1 30.3 45.5

Manual Integrations

APPROVED

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

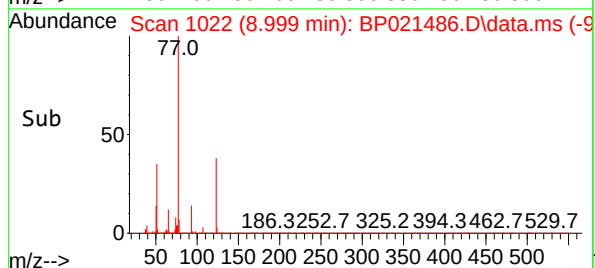
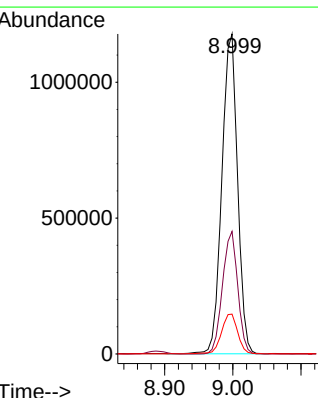
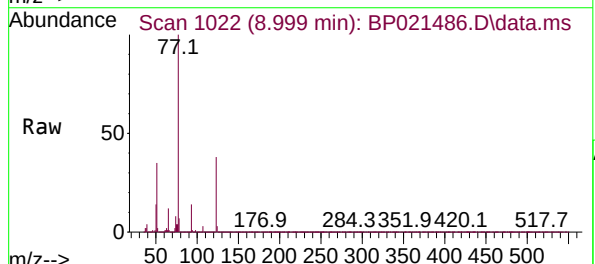
Tgt Ion: 77 Resp: 1881606

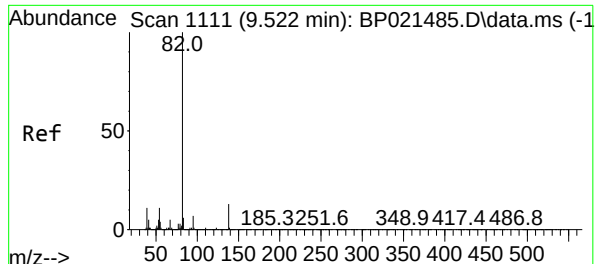
Ion Ratio Lower Upper

77 100

123 38.3 29.5 44.3

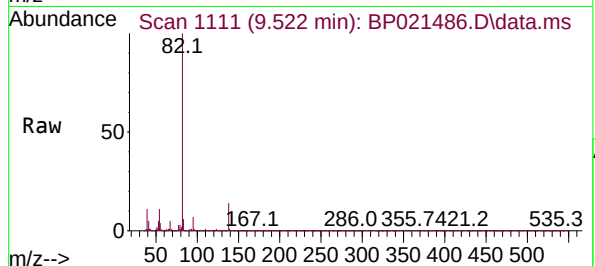
65 12.4 9.9 14.9





#25
Isophorone
Concen: 47.889 ng
RT: 9.522 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

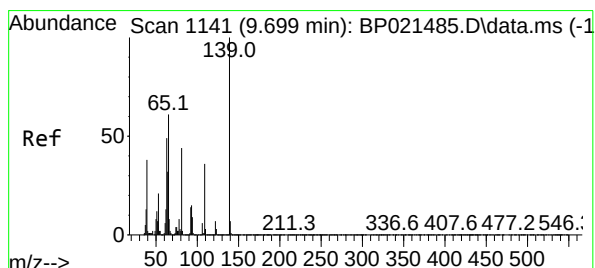
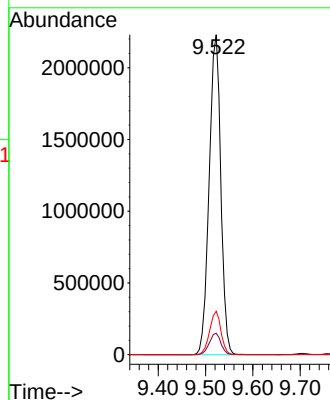
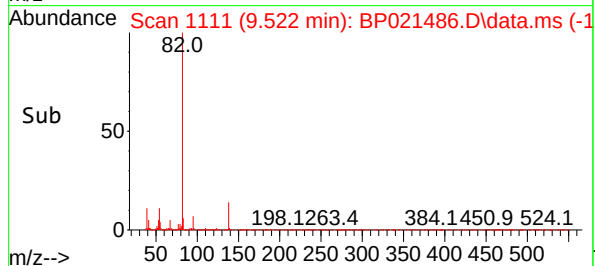
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



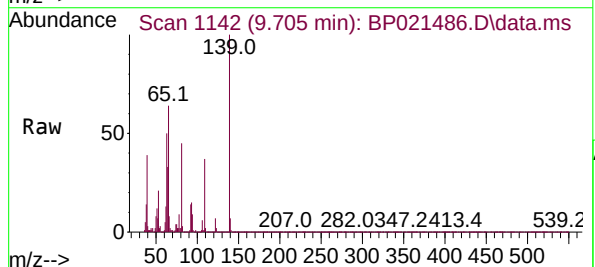
Tgt Ion: 82 Resp: 3789274
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.2
138 13.6 10.6 16.0

Manual Integrations
APPROVED

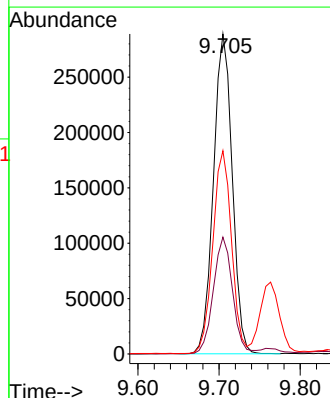
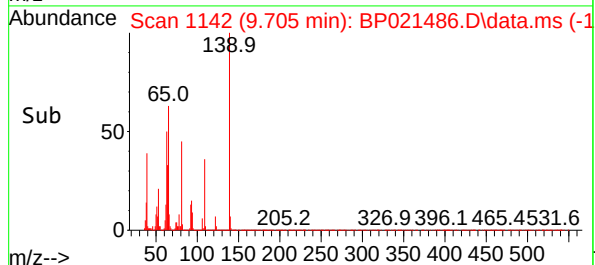
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

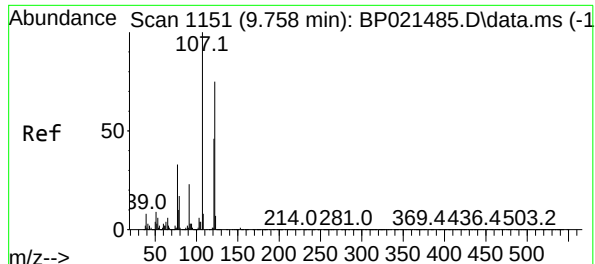


#26
2-Nitrophenol
Concen: 49.970 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09



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# 1151

Delta R.T. 0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

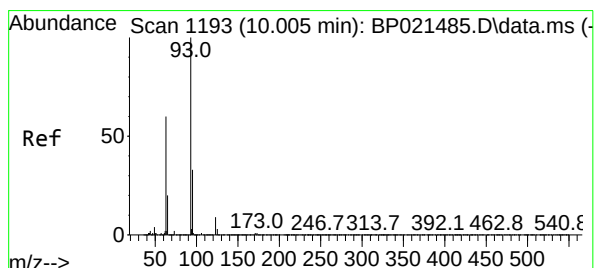
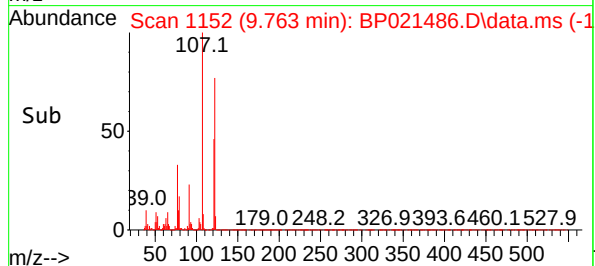
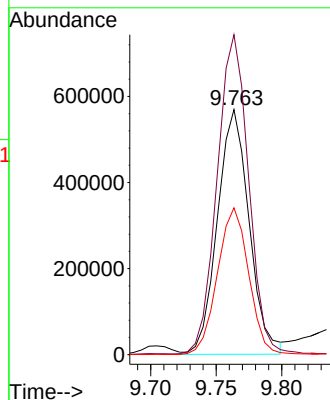
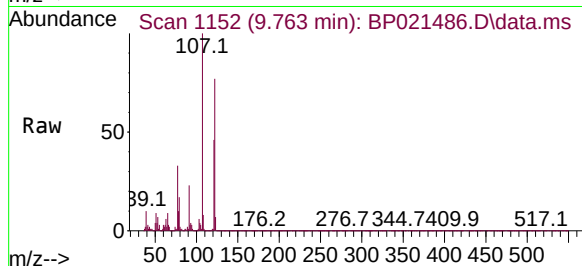
SSTDICC050

Tgt Ion	Ratio	Lower	Upper
122	100		
107	130.6	106.2	159.4
121	60.0	48.8	73.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#28

bis(2-Chloroethoxy)methane

Concen: 48.504 ng

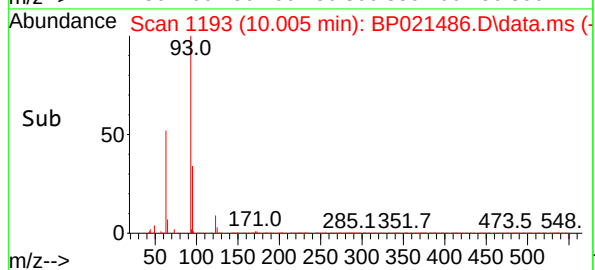
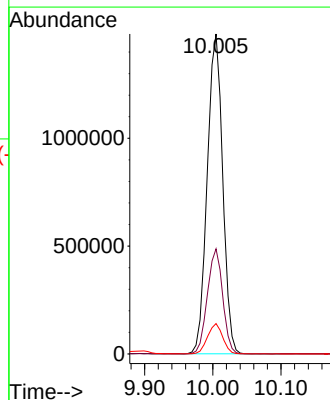
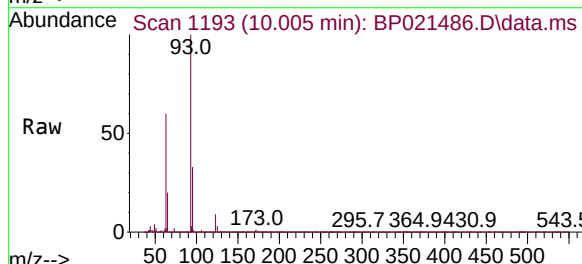
RT: 10.005 min Scan# 1193

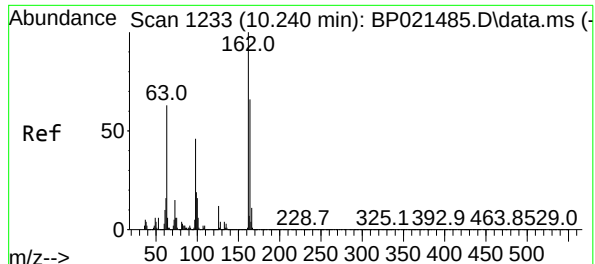
Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Tgt Ion	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# 1232

Delta R.T. -0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 118925

Ion Ratio Lower Upper

162 100

164 63.3 45.9 85.9

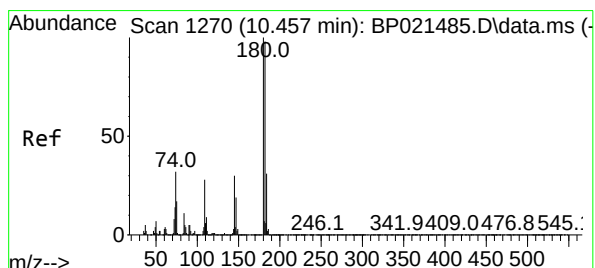
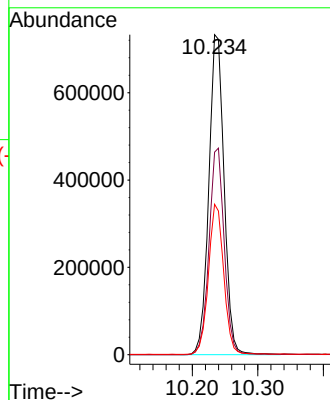
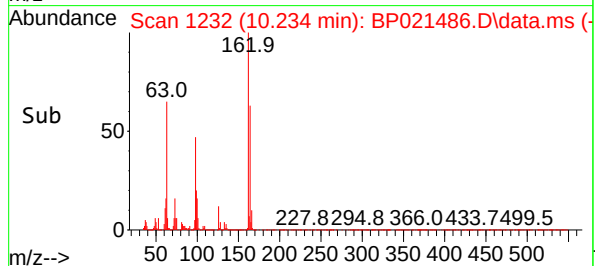
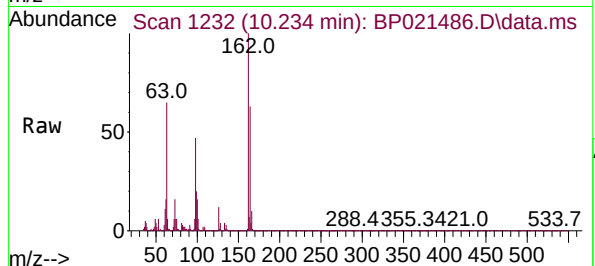
98 47.0 26.3 66.3

Manual Integrations

APPROVED

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

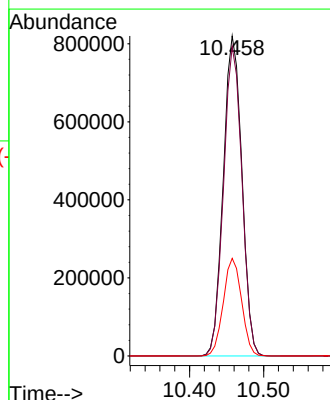
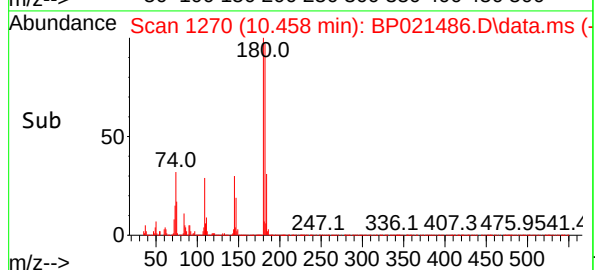
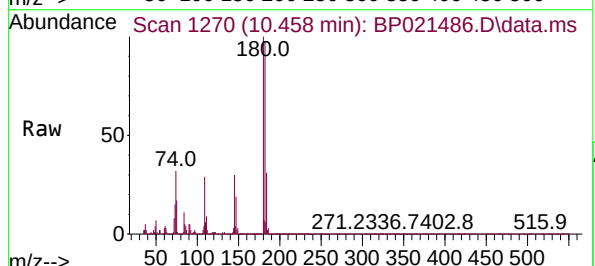
Tgt Ion:180 Resp: 1428575

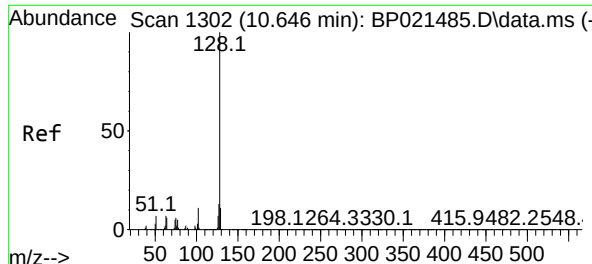
Ion Ratio Lower Upper

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# 1175

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:128 Resp: 433034

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

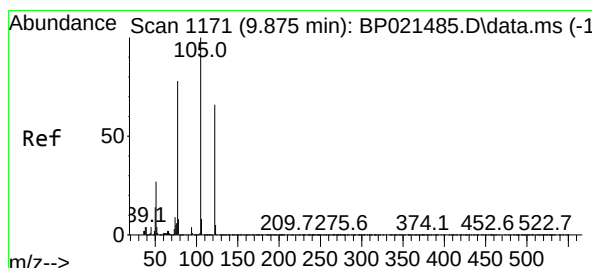
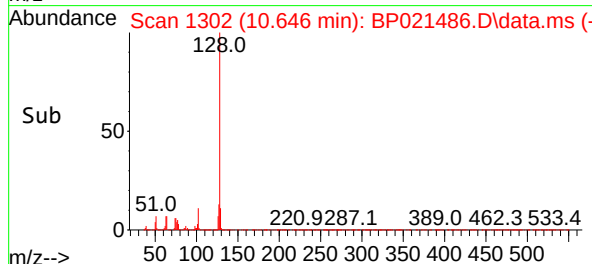
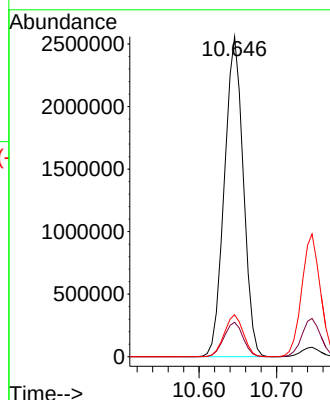
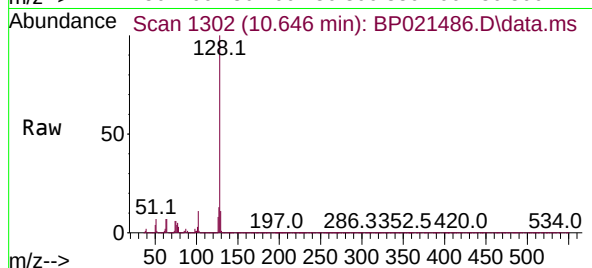
127 13.1 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

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

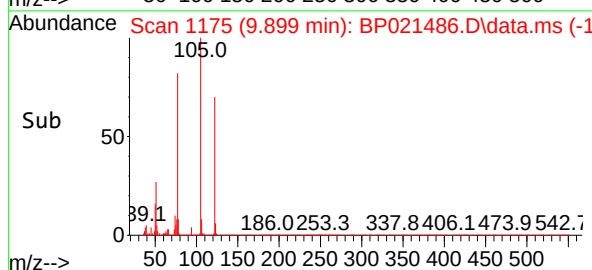
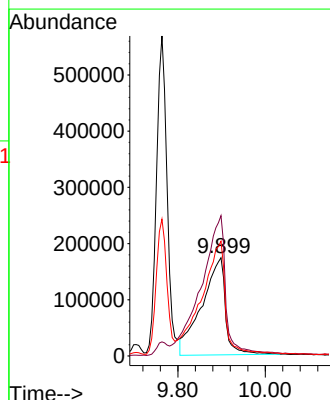
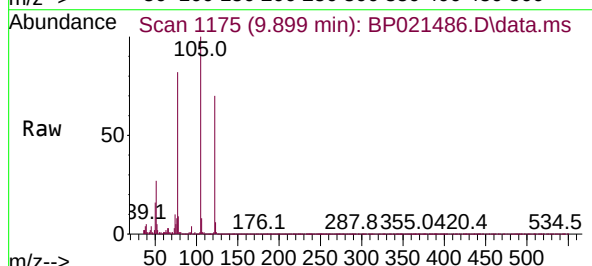
Tgt Ion:122 Resp: 652668

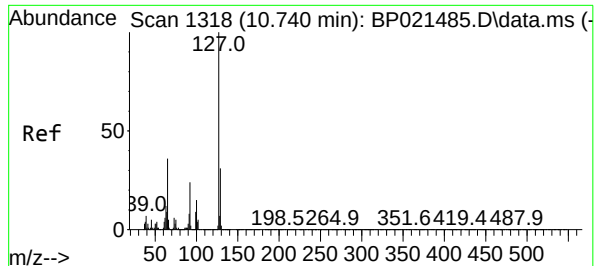
Ion Ratio Lower Upper

122 100

105 142.9 124.6 164.6

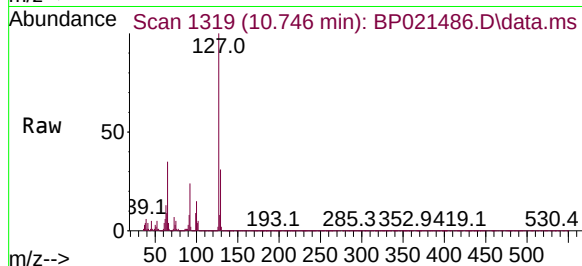
77 116.7 96.2 136.2





#33
4-Chloroaniline
Concen: 48.345 ng
RT: 10.746 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

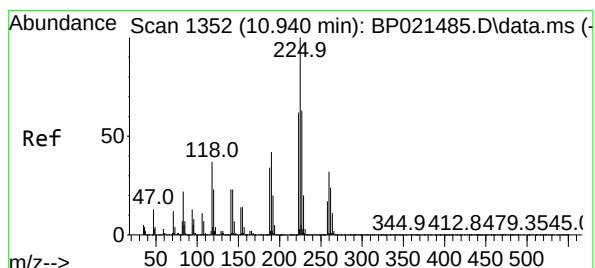
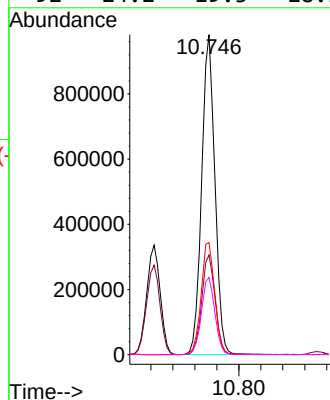
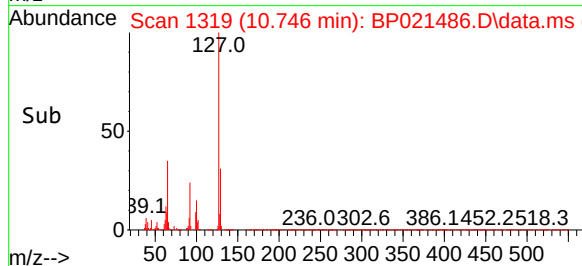
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:127 Resp: 1640020
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

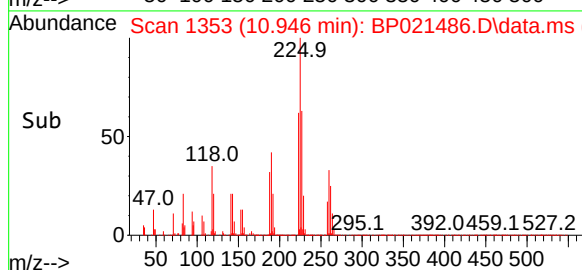
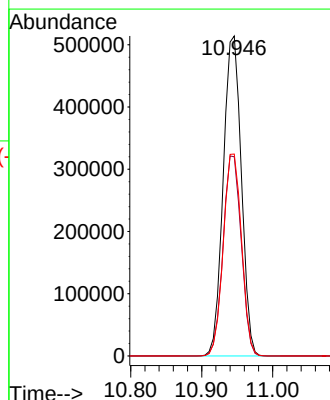
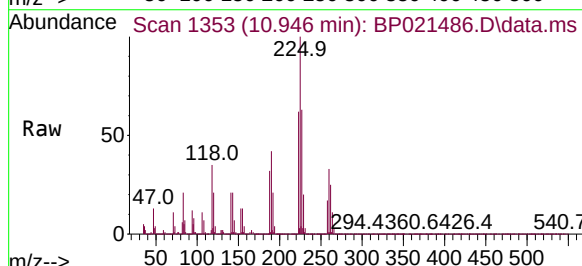
Manual Integrations
APPROVED

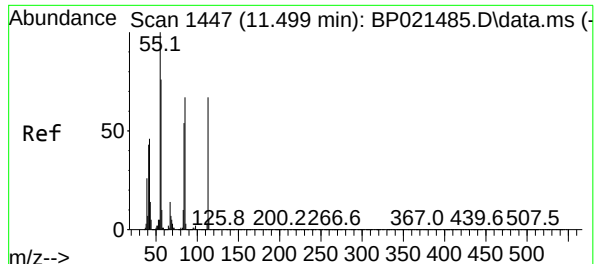
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

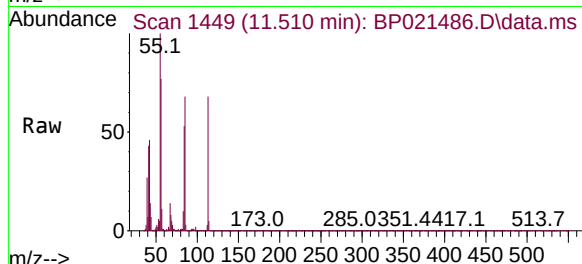
Tgt Ion:225 Resp: 906501
Ion Ratio Lower Upper
225 100
223 62.2 49.6 74.4
227 63.1 50.1 75.1





#35
Caprolactam
Concen: 48.850 ng
RT: 11.510 min Scan# 1447
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

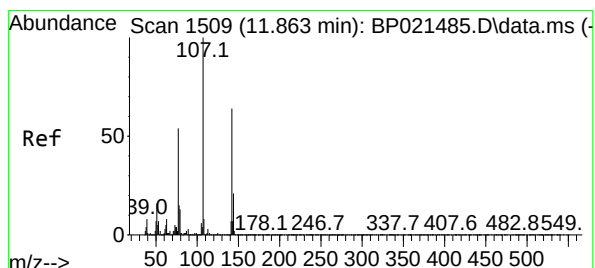
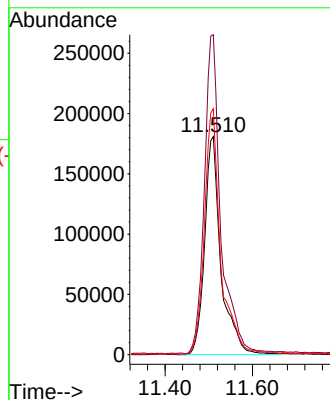
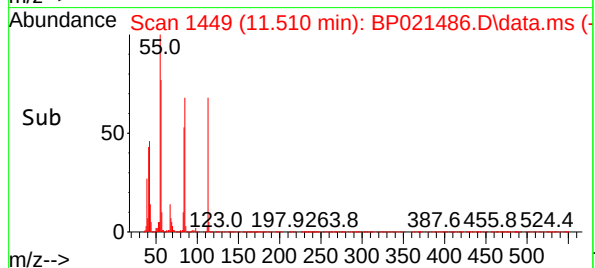
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



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

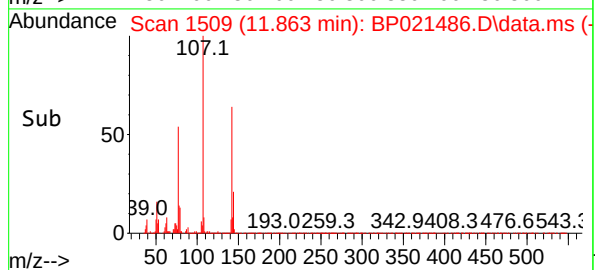
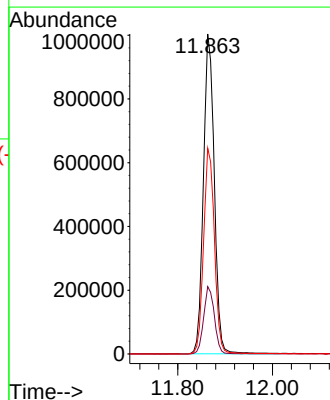
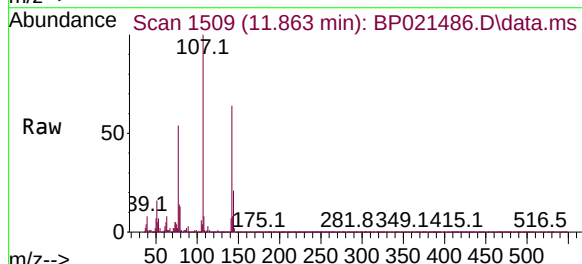
Manual Integrations
APPROVED

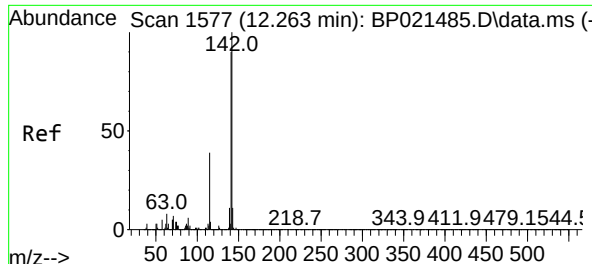
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

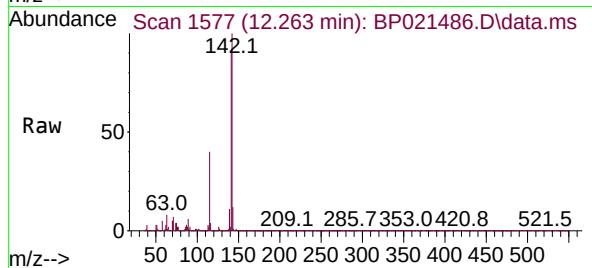
Tgt Ion:107 Resp: 1600490
Ion Ratio Lower Upper
107 100
144 21.0 16.6 24.8
142 64.3 51.0 76.4





#37
2-Methylnaphthalene
Concen: 47.872 ng
RT: 12.263 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

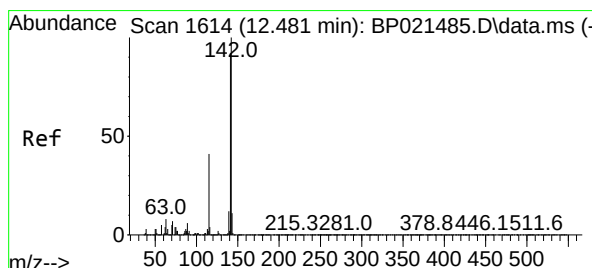
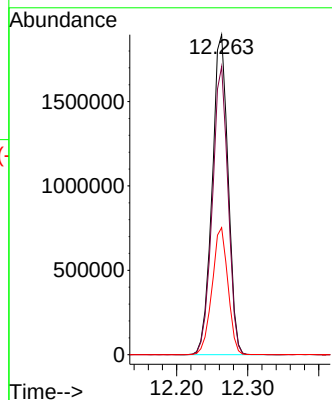
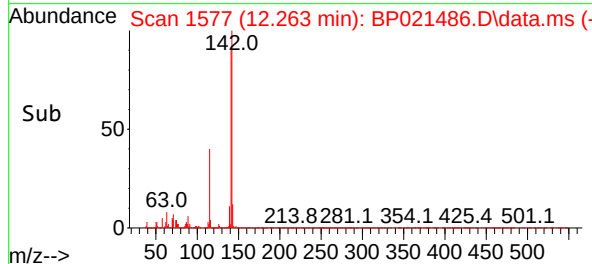
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:142 Resp: 2950679
Ion Ratio Lower Upper
142 100
141 90.0 71.7 107.5
115 39.7 31.4 47.2

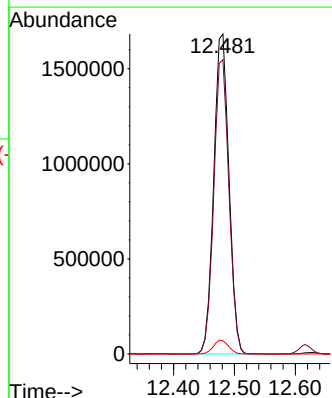
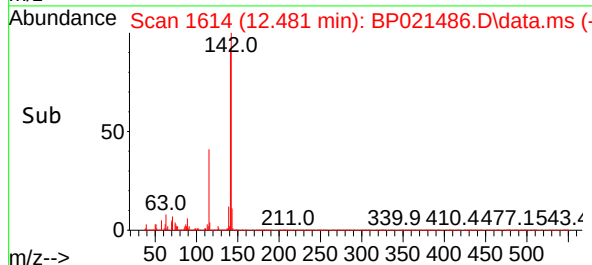
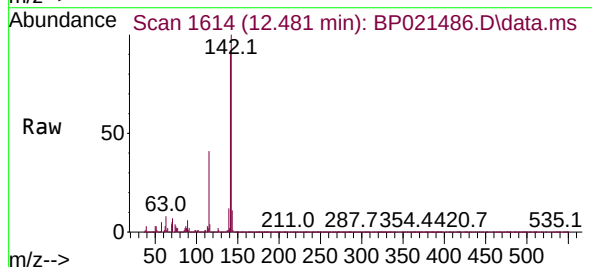
Manual Integrations
APPROVED

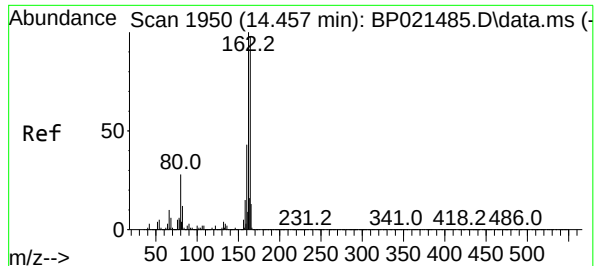
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1950

Delta R.T. -0.012 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:164 Resp: 111920

Ion Ratio Lower Upper

164 100

162 102.0 81.5 122.3

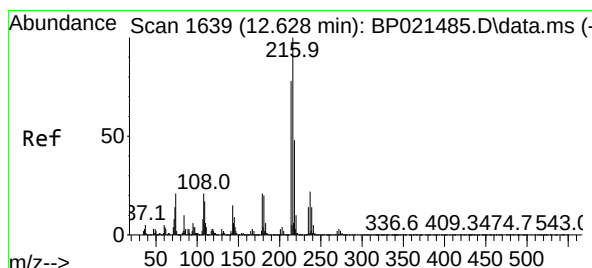
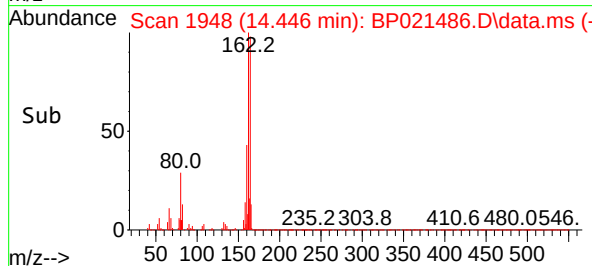
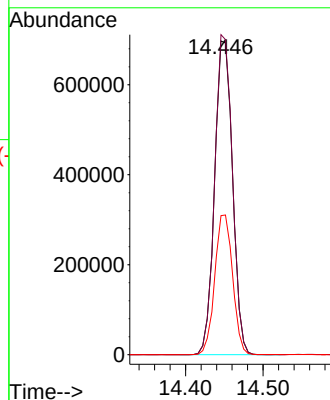
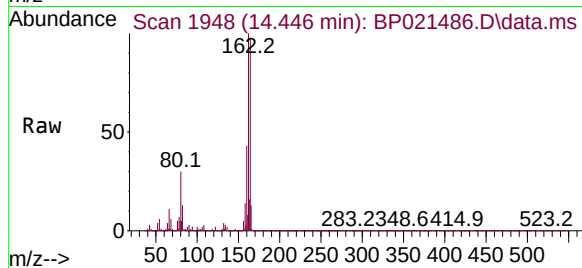
160 44.3 35.2 52.8

Manual Integrations

APPROVED

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

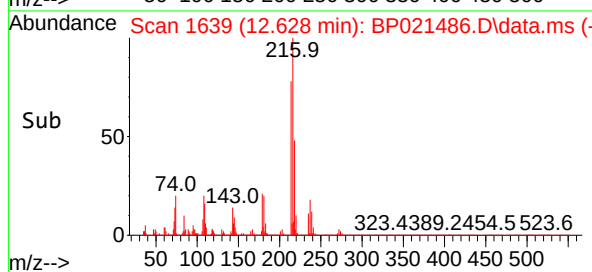
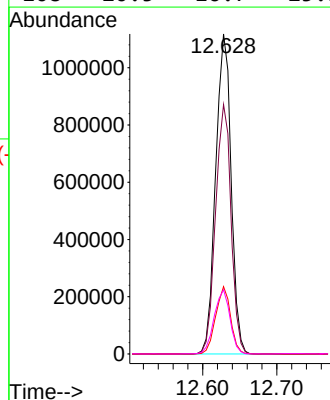
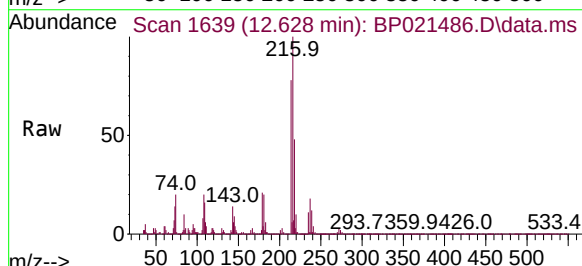
Ion Ratio Lower Upper

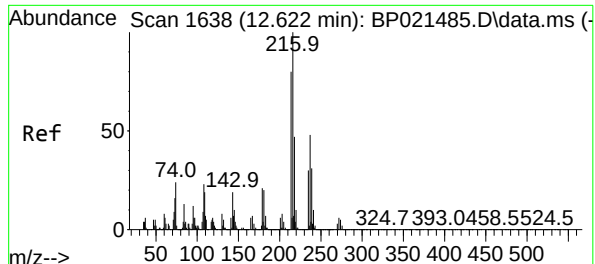
216 100

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# 1637

Delta R.T. -0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:237 Resp: 546269

Ion Ratio Lower Upper

237 100

235 63.3 43.9 83.9

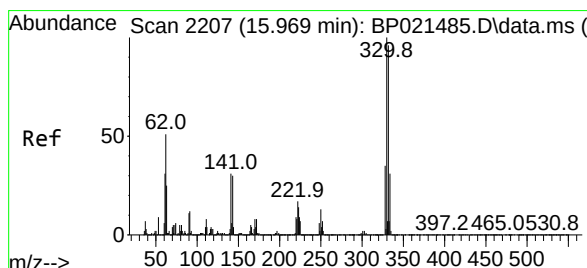
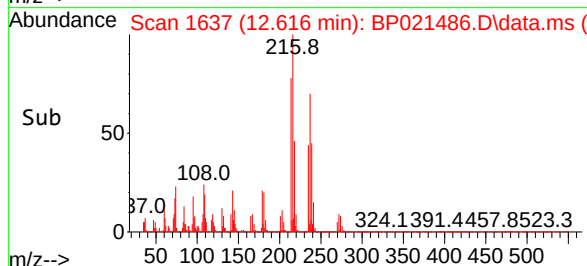
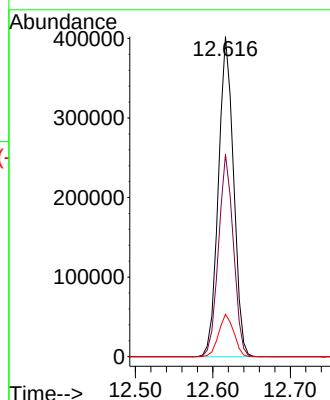
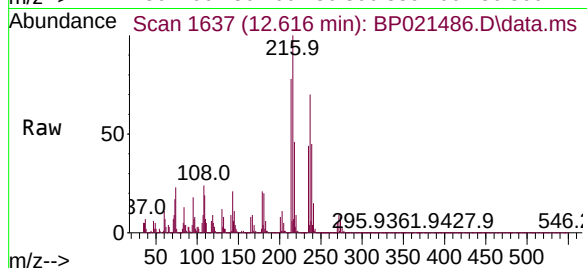
272 13.2 0.0 33.3

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

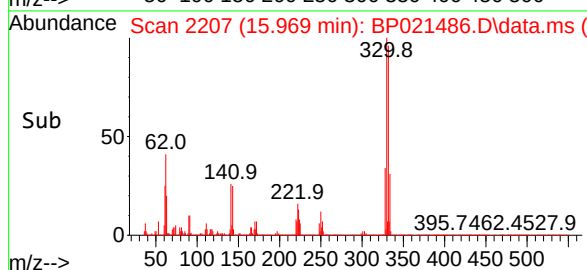
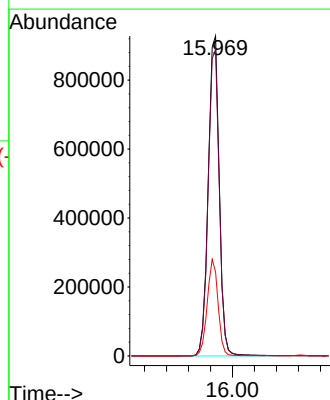
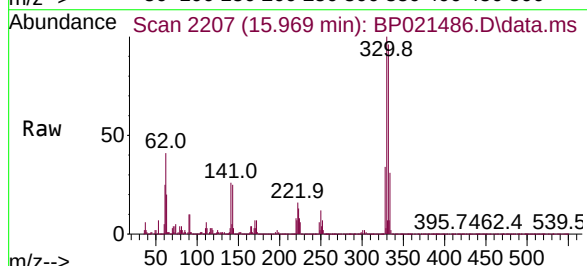
Tgt Ion:330 Resp: 1295133

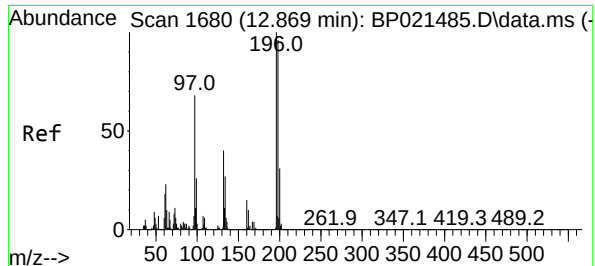
Ion Ratio Lower Upper

330 100

332 96.5 77.4 116.0

141 29.8 24.5 36.7





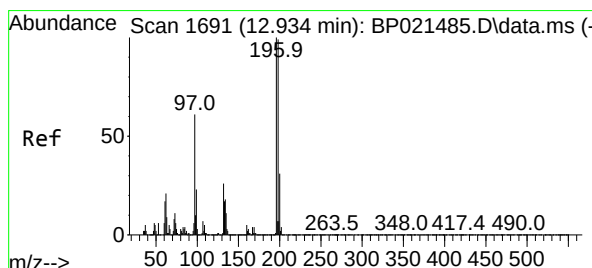
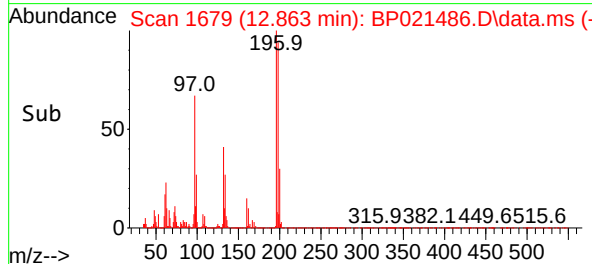
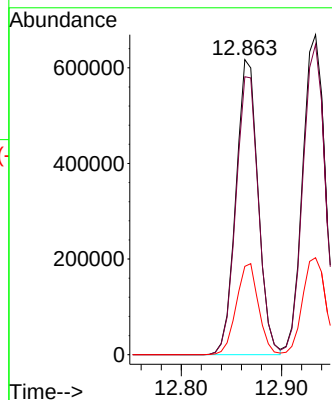
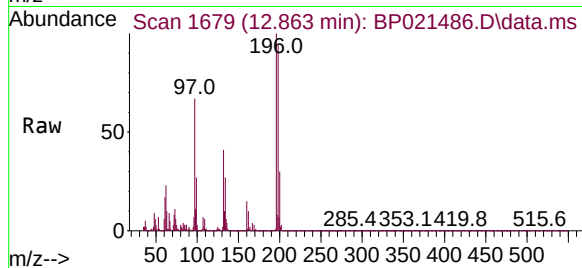
#43
2,4,6-Trichlorophenol
Concen: 52.124 ng
RT: 12.863 min Scan# 1680
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 949480
Ion Ratio Lower Upper
196 100
198 94.2 76.6 114.8
200 30.0 24.5 36.7

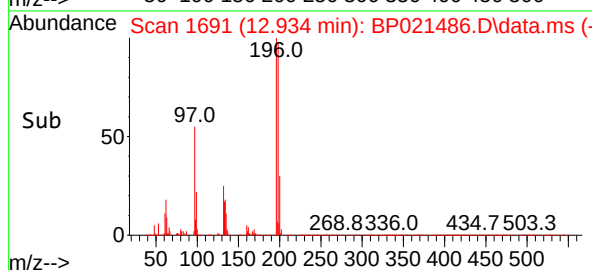
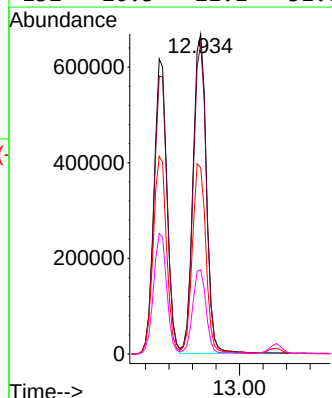
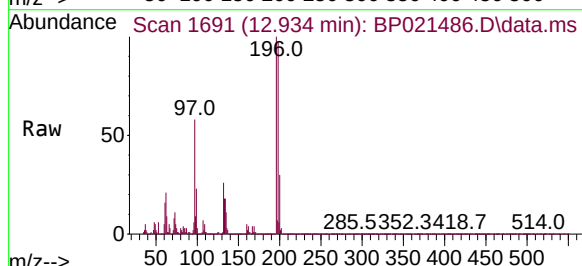
Manual Integrations
APPROVED

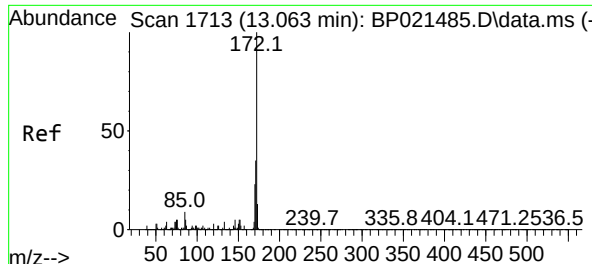
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1713

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:172 Resp: 7073510

Ion Ratio Lower Upper

172 100

171 36.0 28.2 42.4

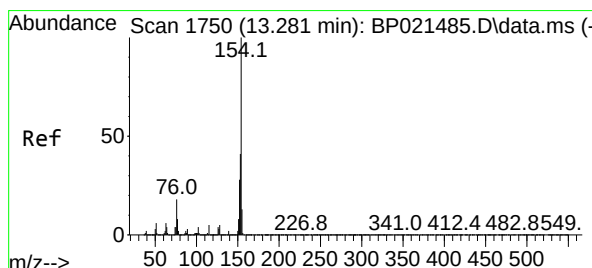
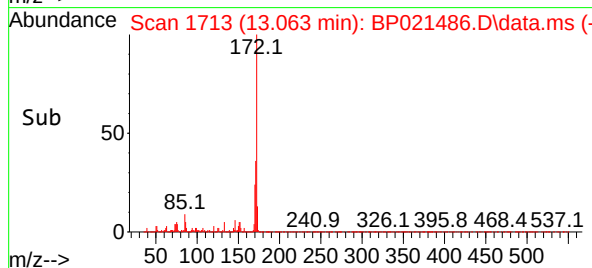
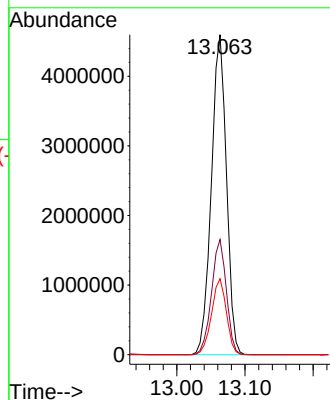
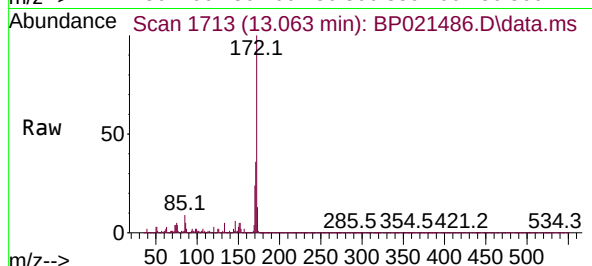
170 23.8 18.4 27.6

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

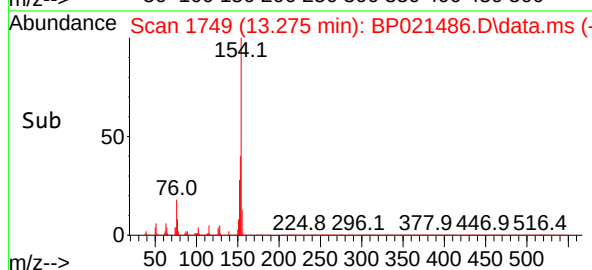
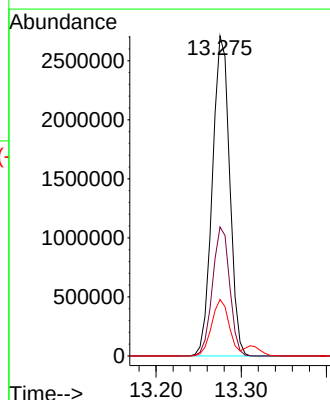
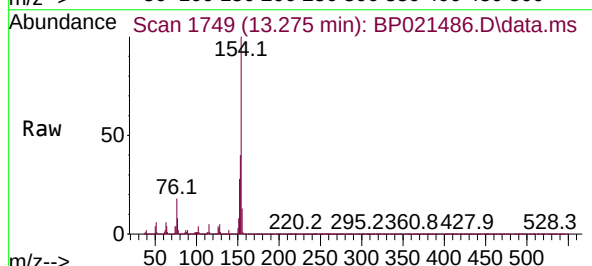
Tgt Ion:154 Resp: 3811862

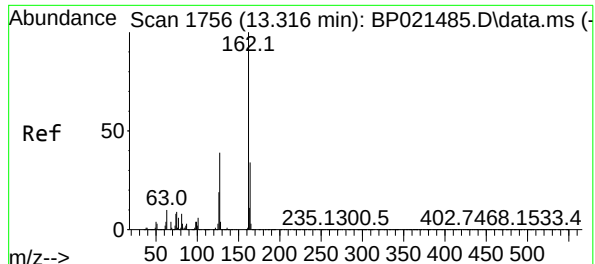
Ion Ratio Lower Upper

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# 1755

Delta R.T. -0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 297955

Ion Ratio Lower Upper

162 100

127 40.9 31.9 47.9

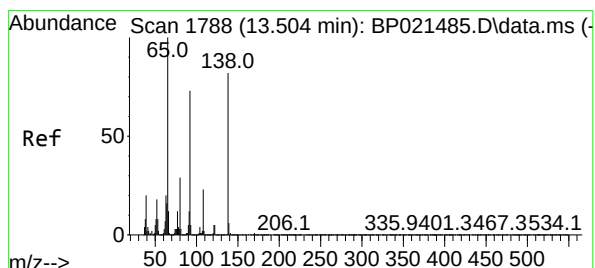
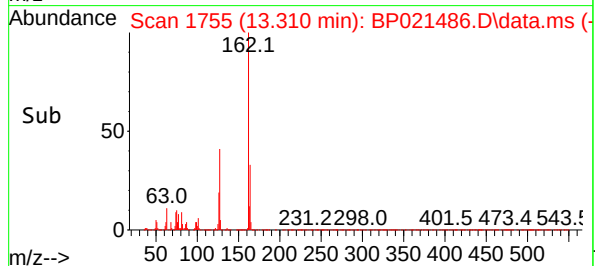
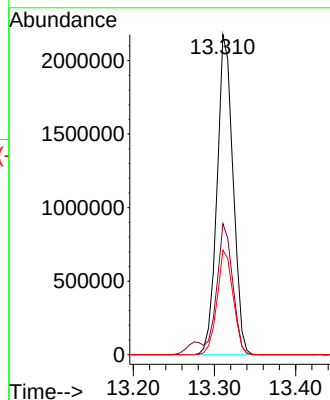
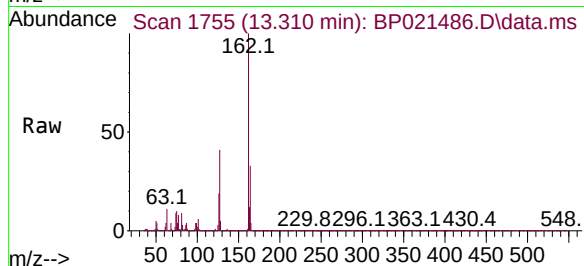
164 32.7 26.8 40.2

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

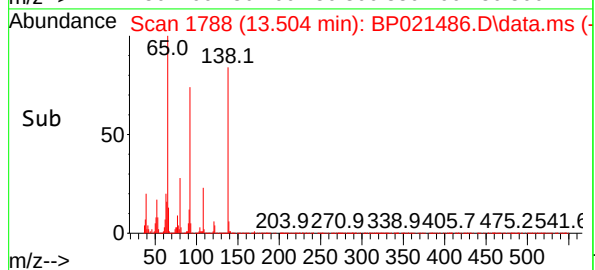
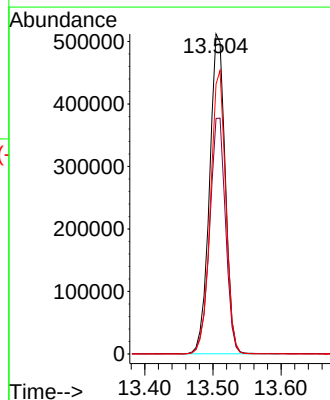
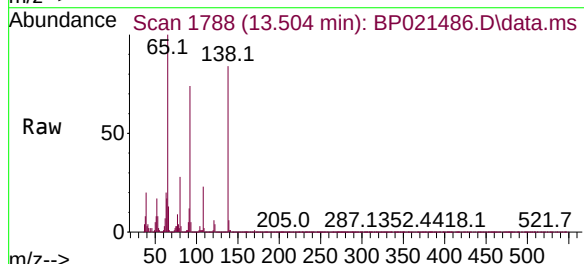
Tgt Ion: 65 Resp: 821676

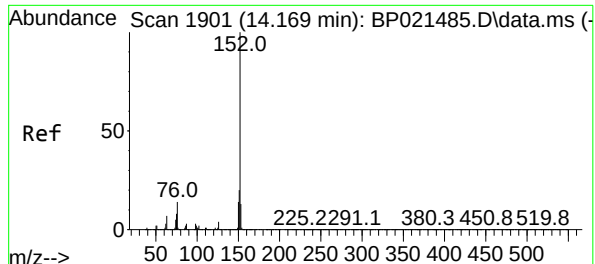
Ion Ratio Lower Upper

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# 1901

Delta R.T. 0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:152 Resp: 436722

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

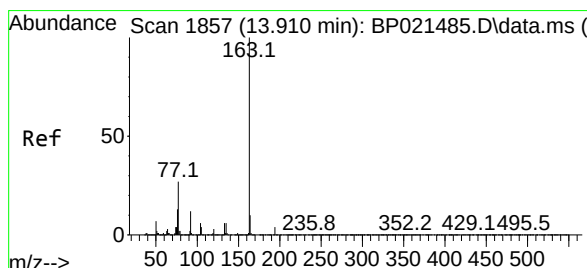
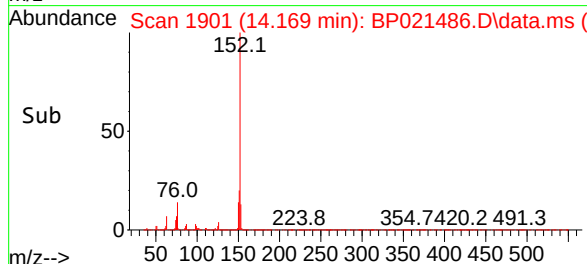
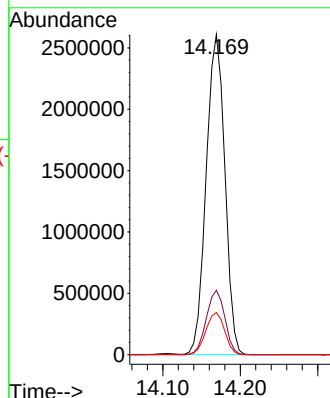
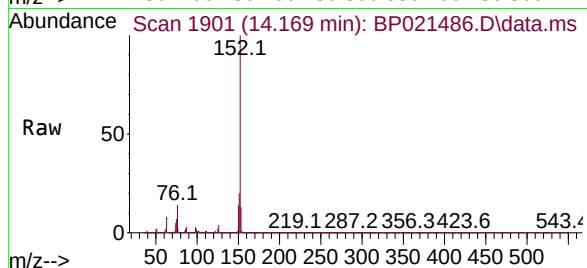
153 13.2 10.6 16.0

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

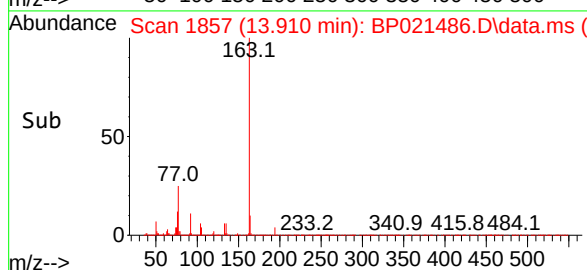
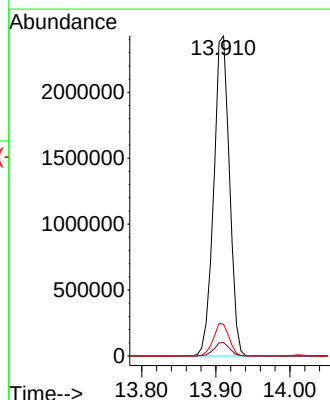
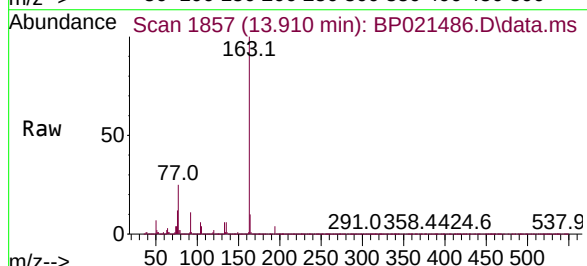
Tgt Ion:163 Resp: 3569162

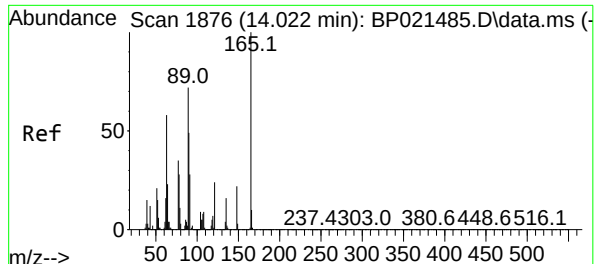
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

164 9.9 8.3 12.5





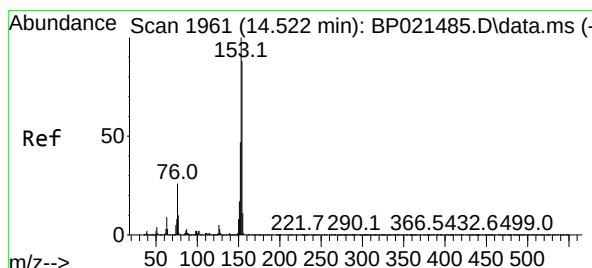
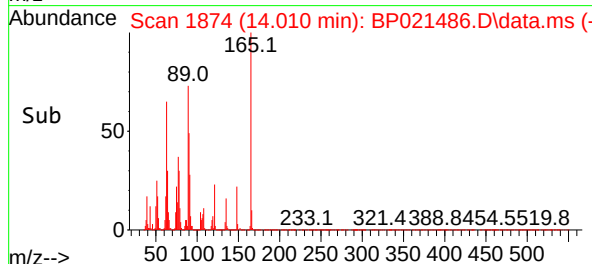
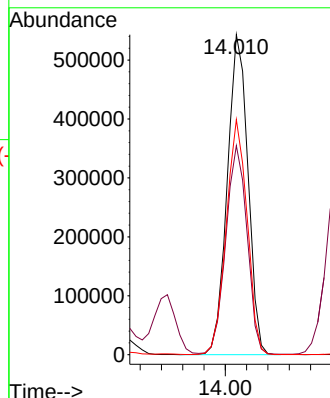
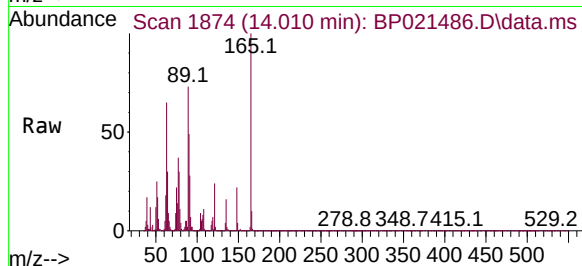
#51
2,6-Dinitrotoluene
Concen: 48.330 ng
RT: 14.010 min Scan# 1876
Delta R.T. -0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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

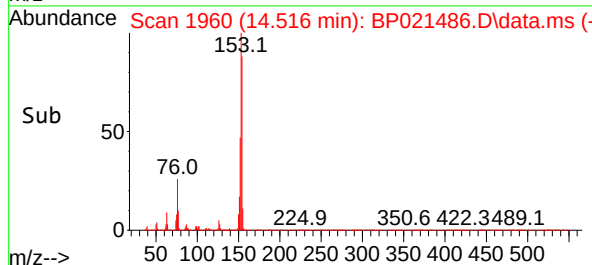
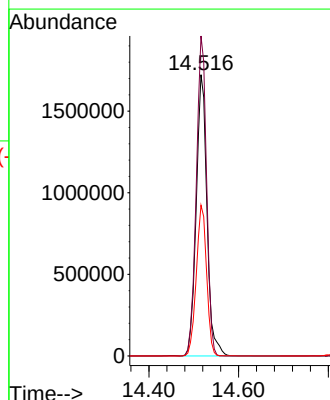
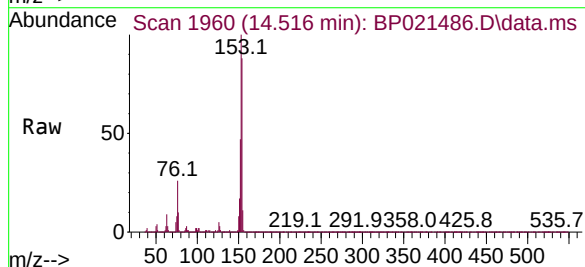
Manual Integrations
APPROVED

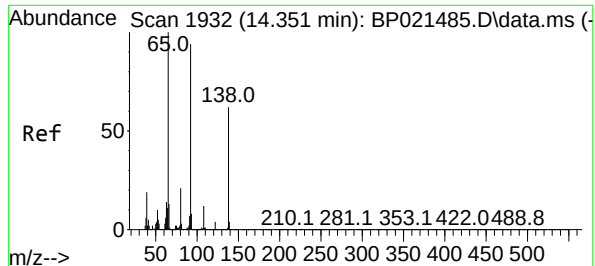
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





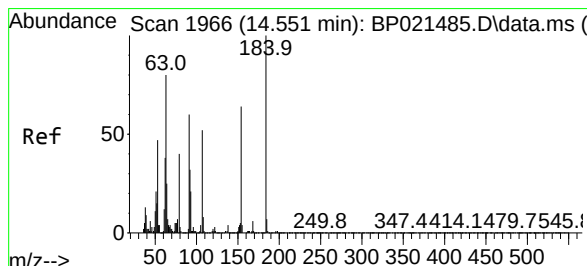
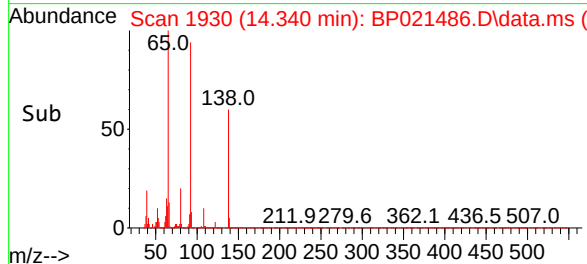
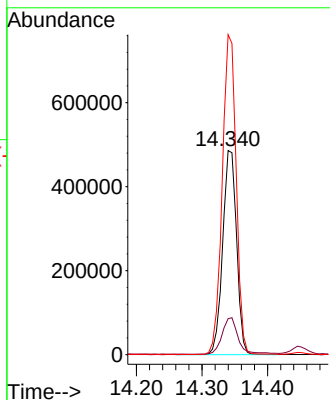
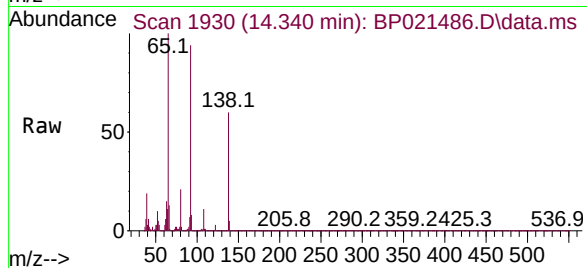
#53
3-Nitroaniline
Concen: 47.788 ng
RT: 14.340 min Scan# 1930
Delta R.T. -0.011 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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

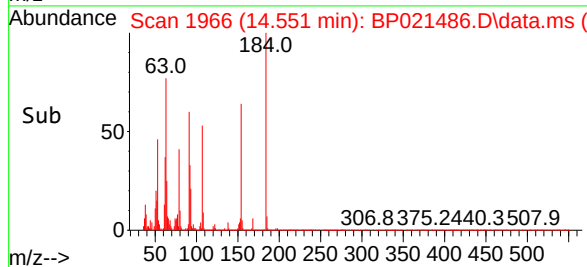
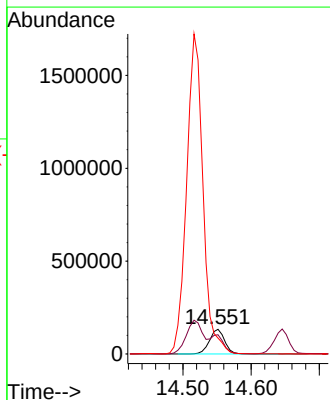
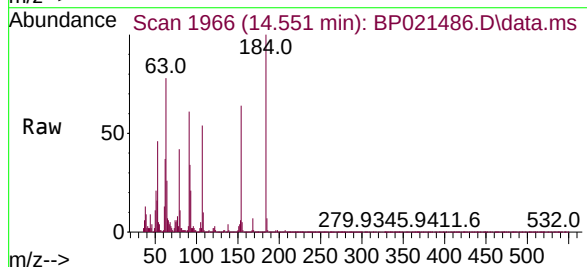
Manual Integrations
APPROVED

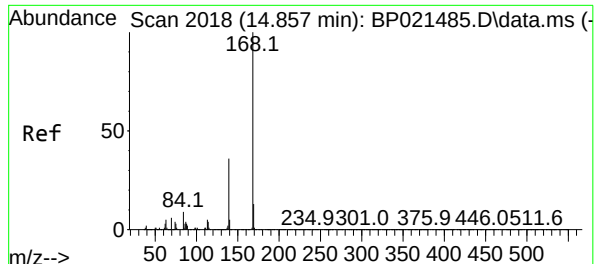
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

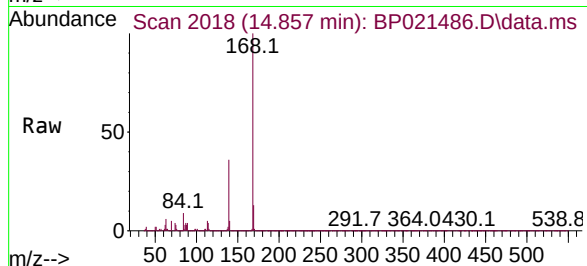
Tgt Ion:184 Resp: 205628
Ion Ratio Lower Upper
184 100
63 77.6 64.9 97.3
154 64.3 52.1 78.1





#55
Dibenzenofuran
Concen: 47.811 ng
RT: 14.857 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

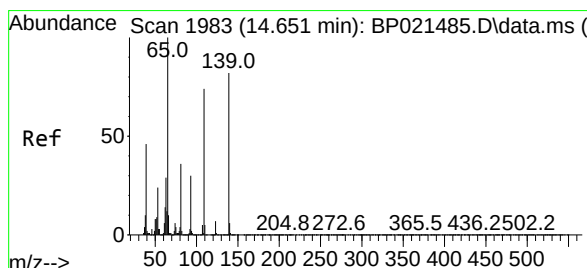
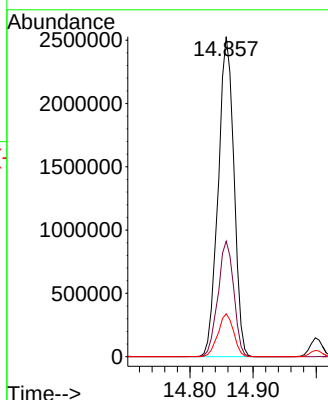
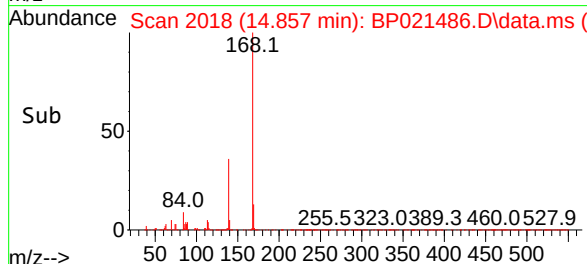
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



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

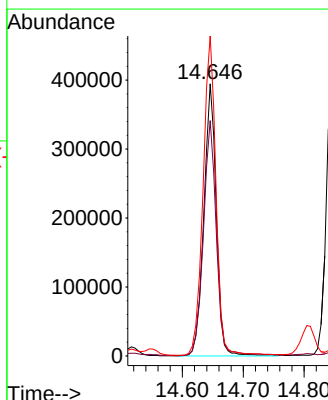
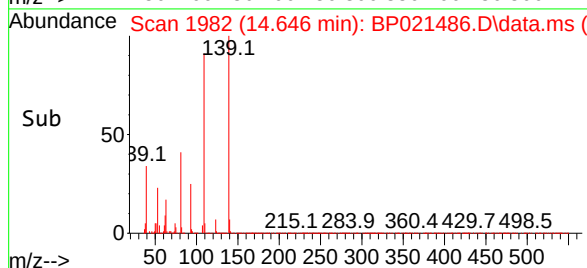
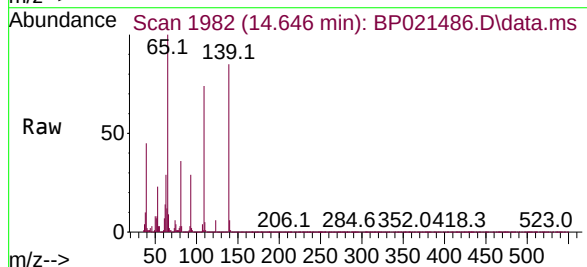
Manual Integrations
APPROVED

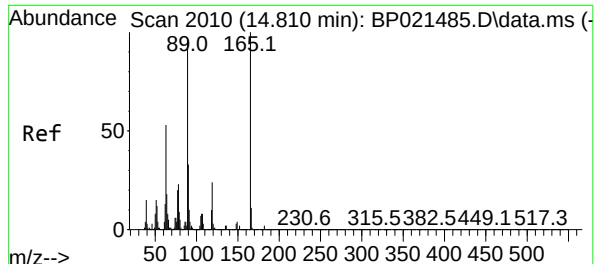
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

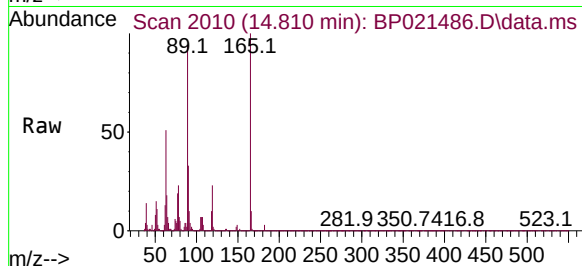
Tgt Ion:139 Resp: 562138
Ion Ratio Lower Upper
139 100
109 86.5 70.2 110.2
65 117.6 101.8 141.8





#57
2,4-Dinitrotoluene
Concen: 47.777 ng
RT: 14.810 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

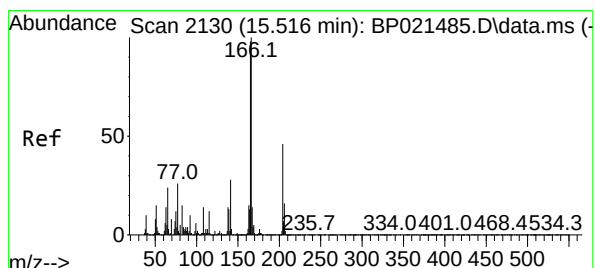
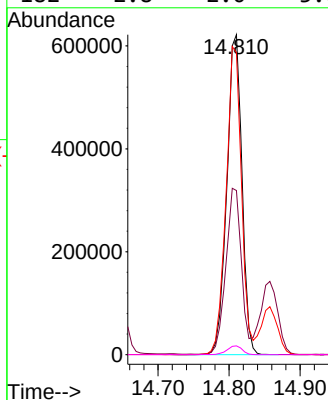
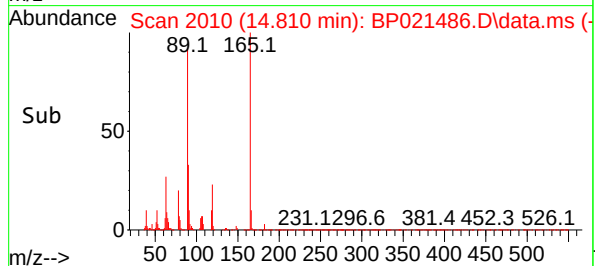
Instrument :
BNA_P
Client Sample Id :
SSTDICC050



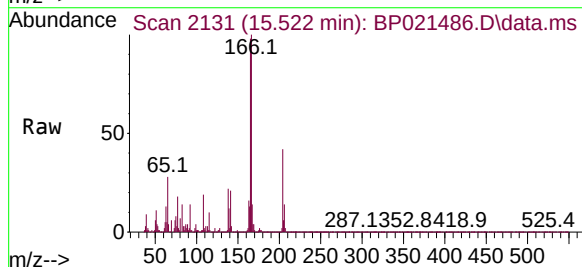
Tgt Ion:165 Resp: 91837
Ion Ratio Lower Upper
165 100
63 51.3 42.5 63.7
89 94.4 77.1 115.7
182 2.8 2.0 3.0

Manual Integrations
APPROVED

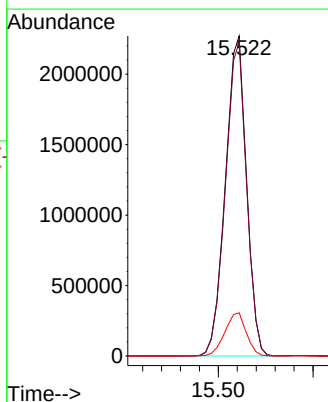
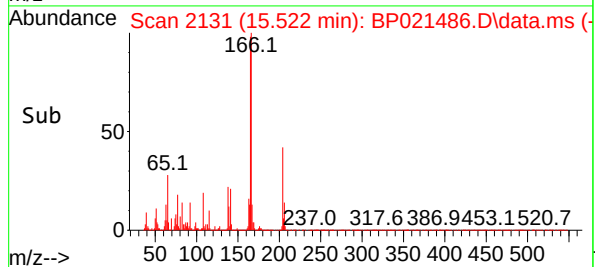
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

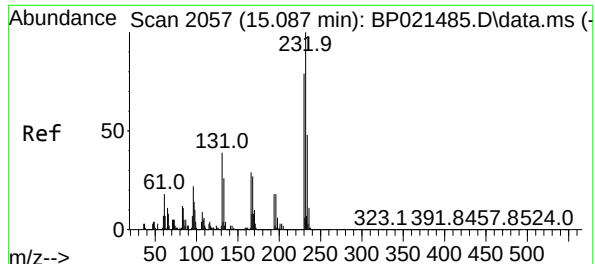


#58
Fluorene
Concen: 46.908 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09



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# 2057

Delta R.T. -0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

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

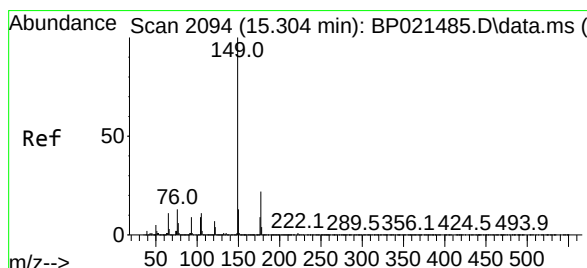
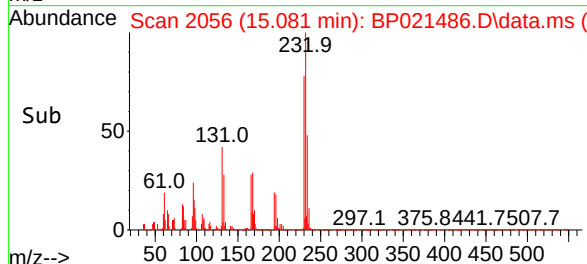
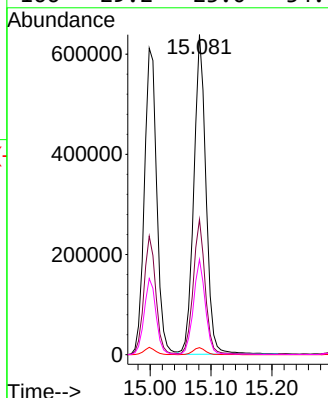
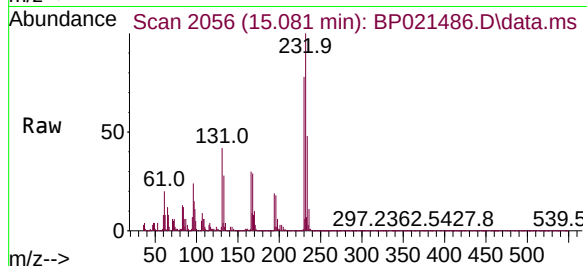
166 29.2 23.0 34.4

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

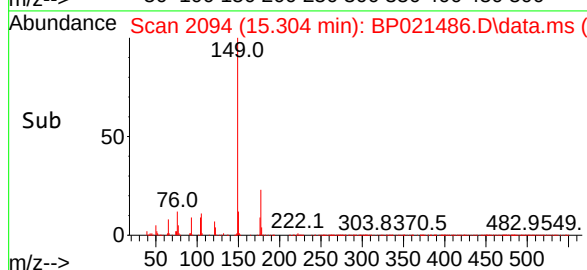
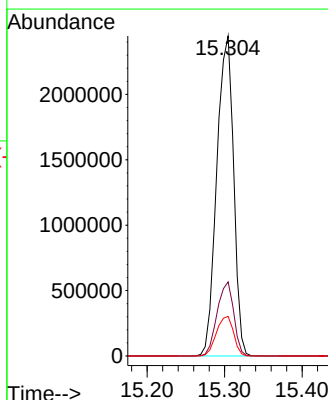
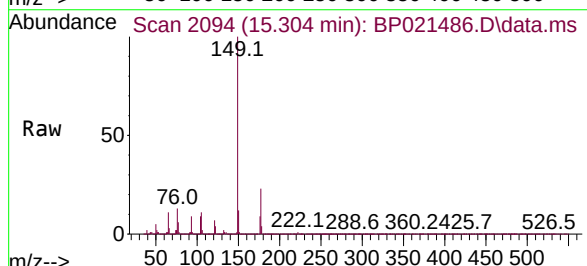
Tgt Ion:149 Resp: 3687157

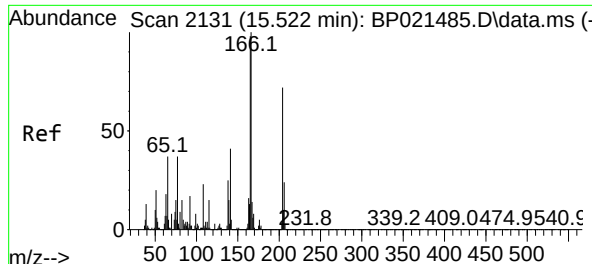
Ion Ratio Lower Upper

149 100

177 23.2 17.8 26.8

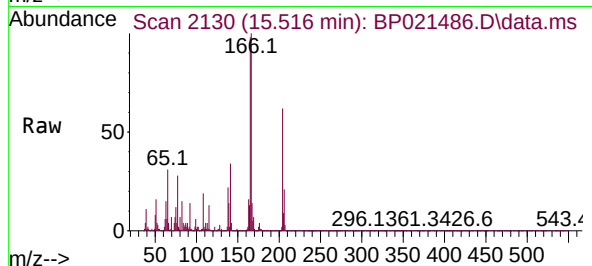
150 12.4 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 47.272 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

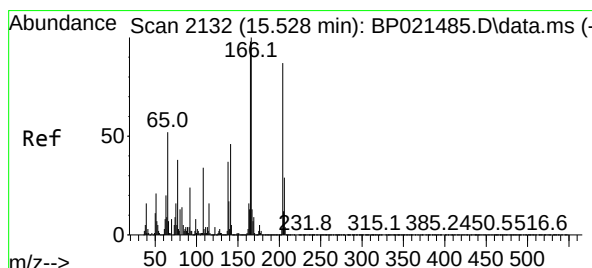
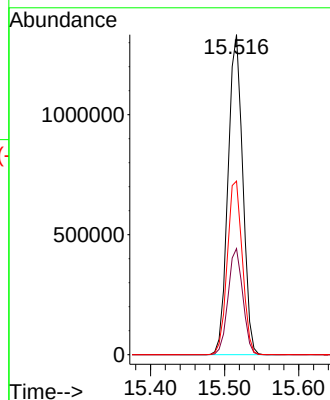
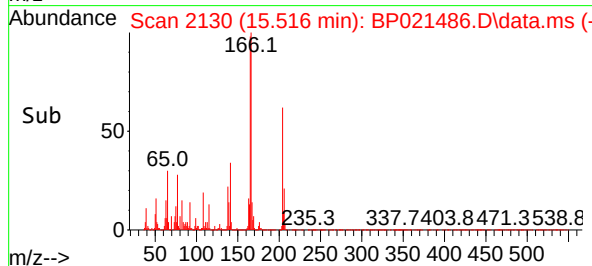
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



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

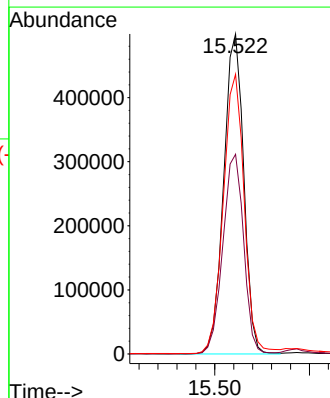
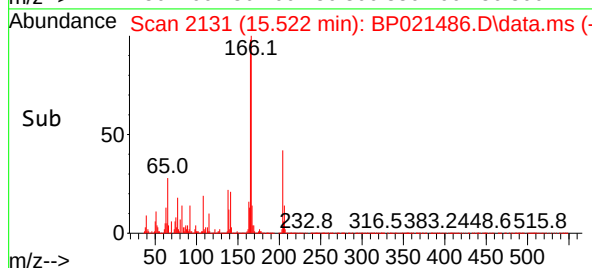
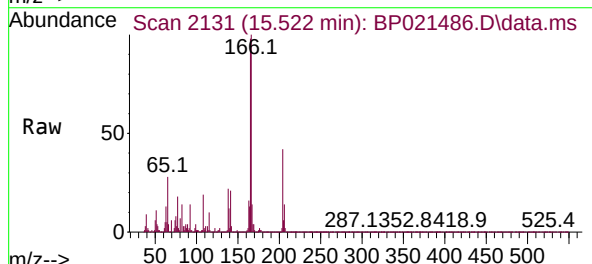
Manual Integrations
APPROVED

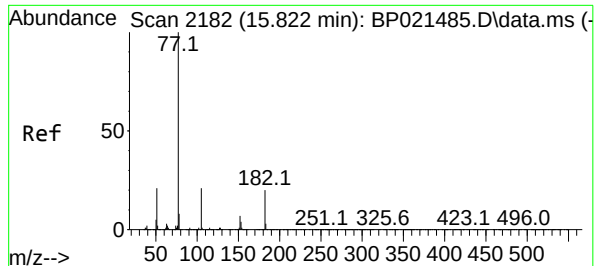
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

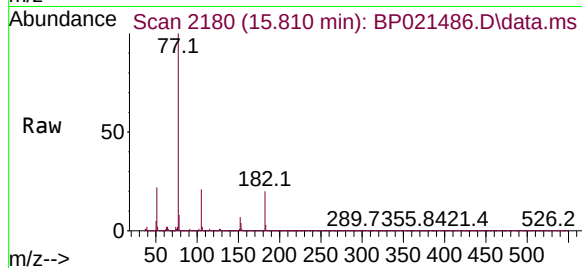
Tgt Ion:138 Resp: 733231
Ion Ratio Lower Upper
138 100
92 62.4 46.4 86.4
108 87.4 73.2 113.2





#63
Azobenzene
Concen: 46.014 ng
RT: 15.810 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

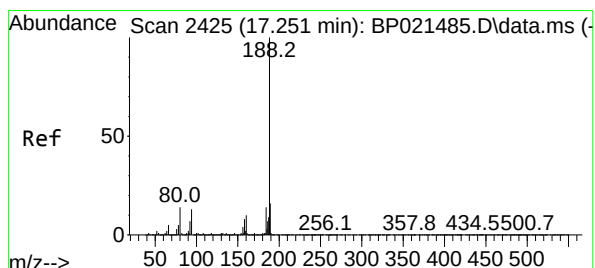
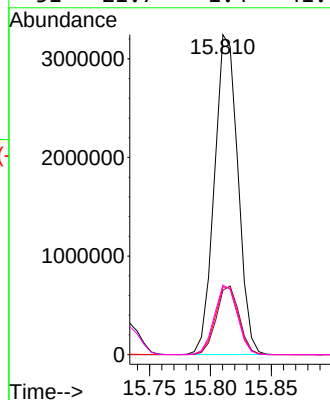
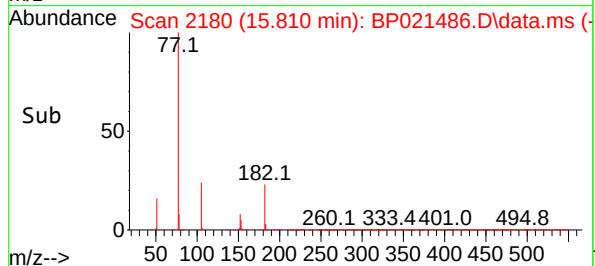
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion: 77 Resp: 4349860
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

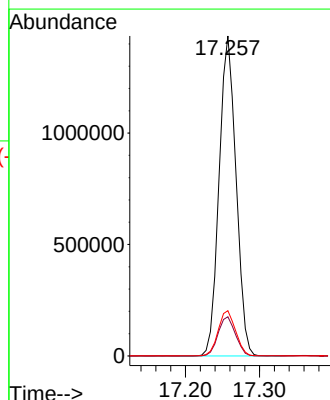
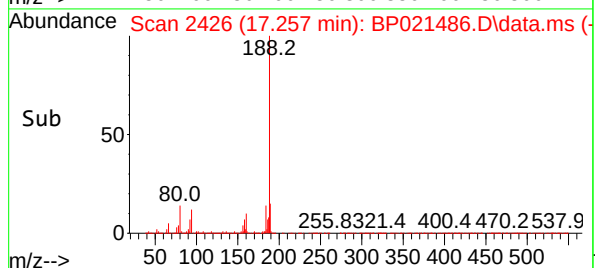
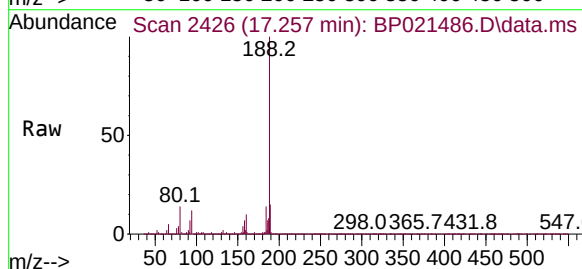
Manual Integrations
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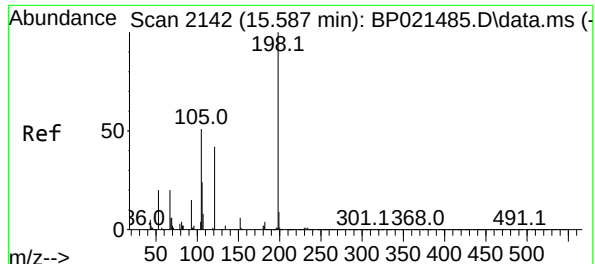
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 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





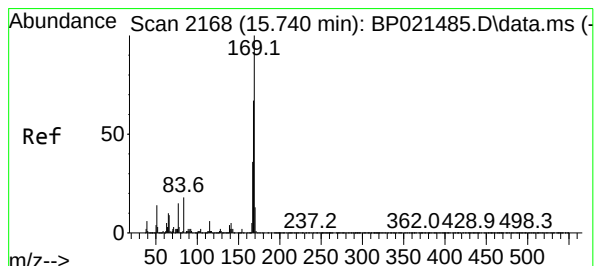
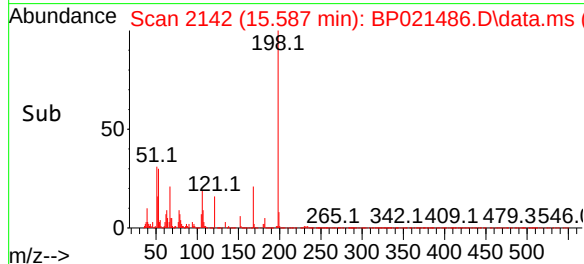
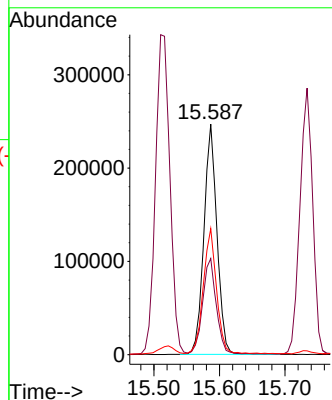
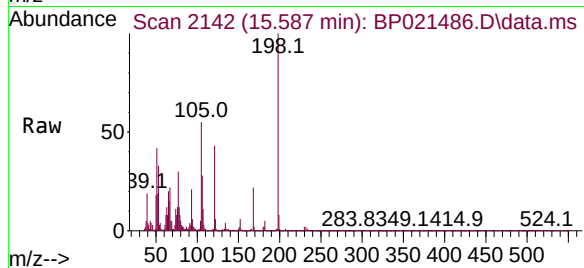
#65
4,6-Dinitro-2-methylphenol
Concen: 49.749 ng
RT: 15.587 min Scan# 2142
Delta R.T. -0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 342052
Ion Ratio Lower Upper
198 100
51 41.7 21.5 61.5
105 54.7 32.9 72.9

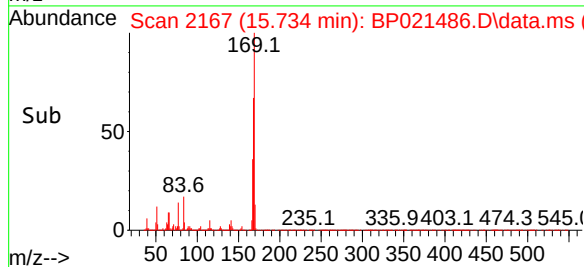
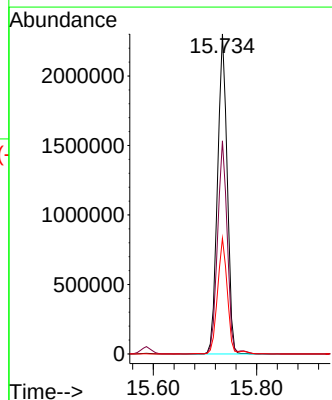
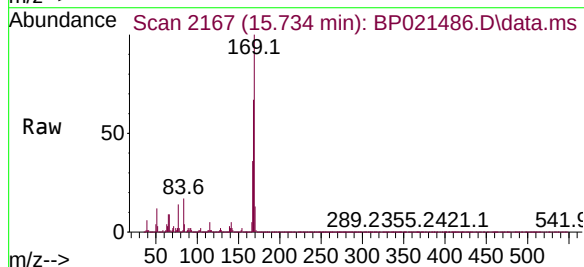
Manual Integrations
APPROVED

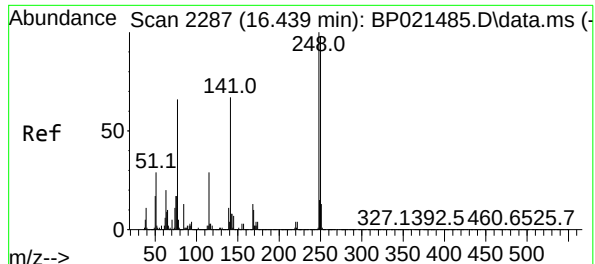
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 21

Delta R.T. -0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:248 Resp: 119868

Ion Ratio Lower Upper

248 100

250 98.3 78.6 117.8

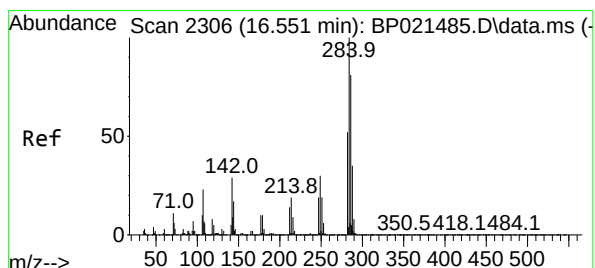
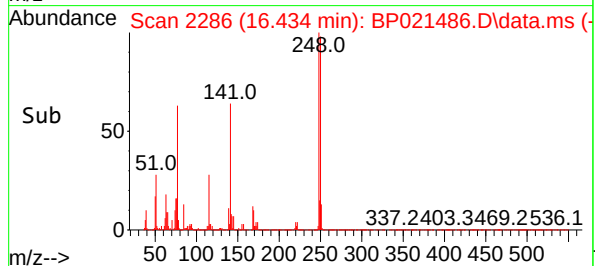
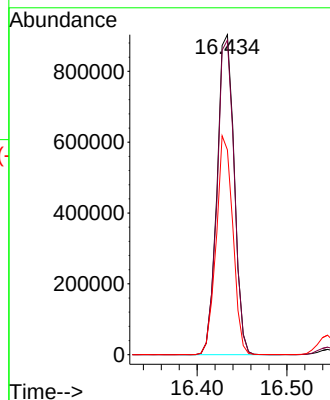
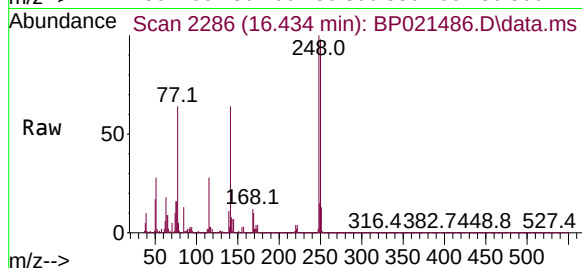
141 64.0 53.9 80.9

Manual Integrations

APPROVED

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

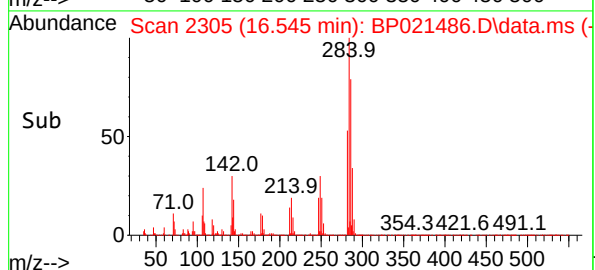
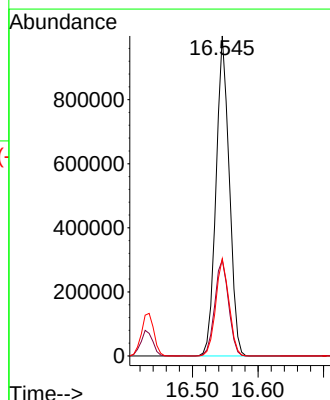
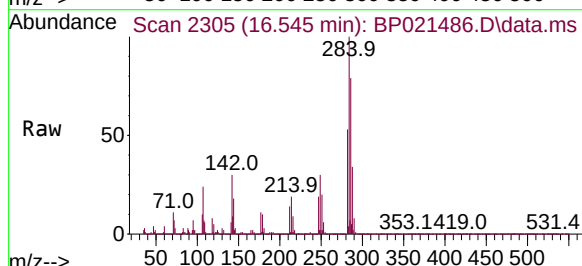
Tgt Ion:284 Resp: 1395323

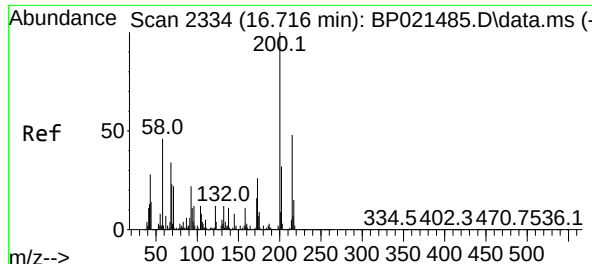
Ion Ratio Lower Upper

284 100

142 30.0 23.4 35.2

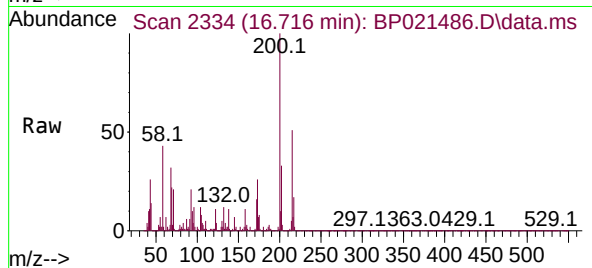
249 30.4 24.1 36.1





#69
Atrazine
Concen: 48.608 ng
RT: 16.716 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

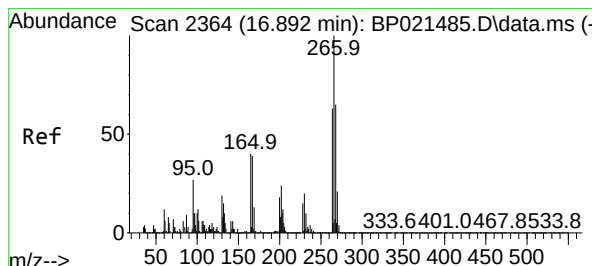
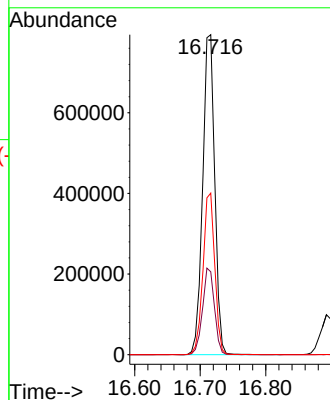
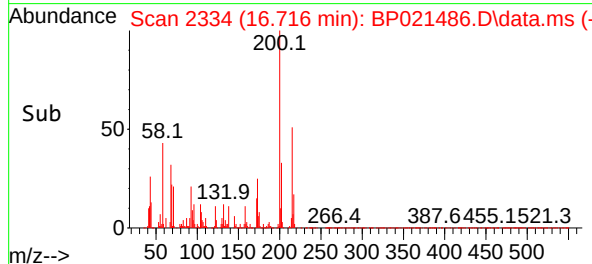
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



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

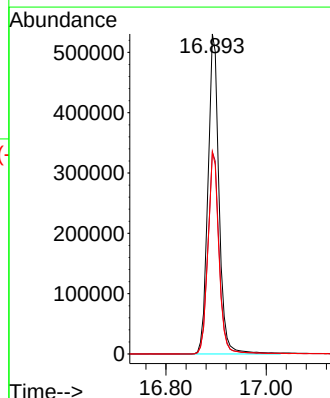
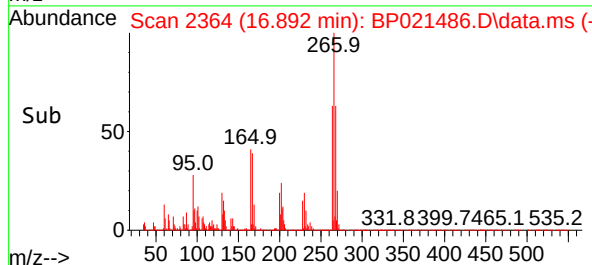
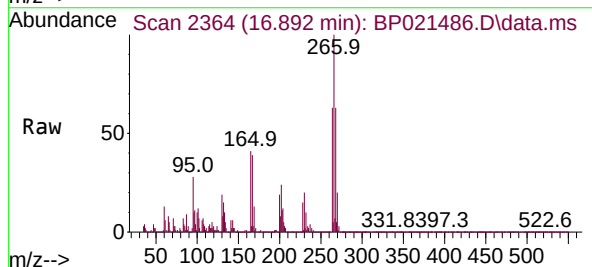
Manual Integrations
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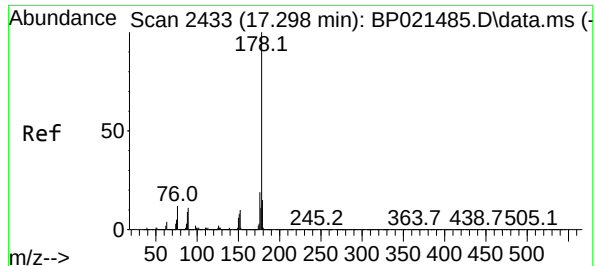
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

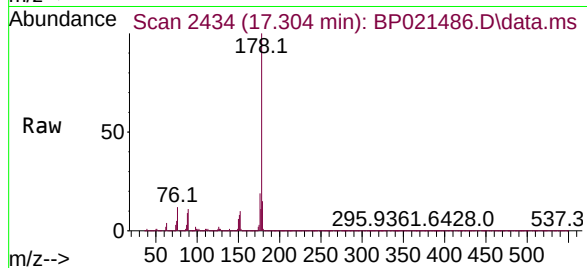
Tgt Ion:266 Resp: 812046
Ion Ratio Lower Upper
266 100
268 63.1 51.8 77.6
264 63.1 50.5 75.7





#71
Phenanthrene
Concen: 48.447 ng
RT: 17.304 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

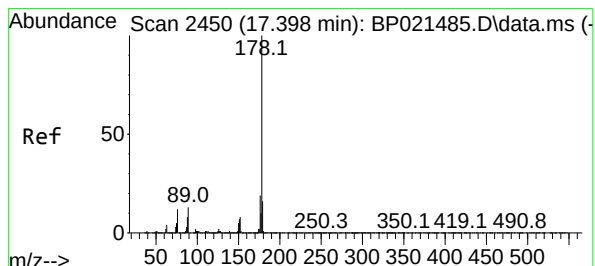
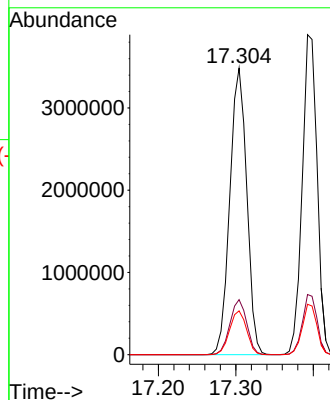
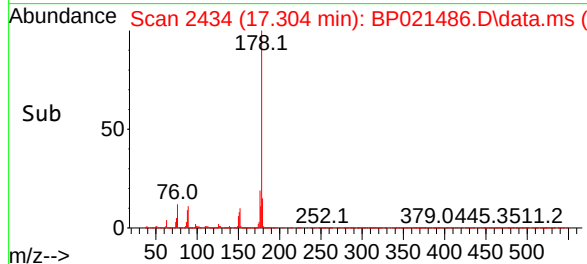
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:178 Resp: 5308898
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.3 12.4 18.6

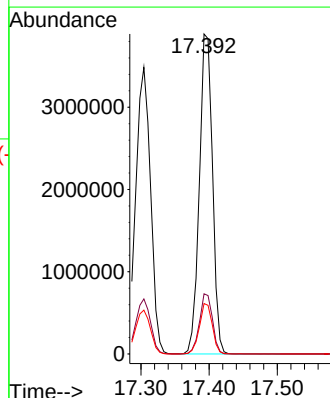
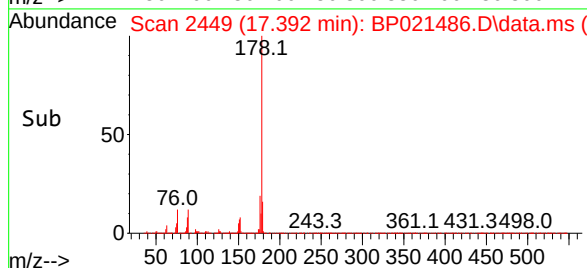
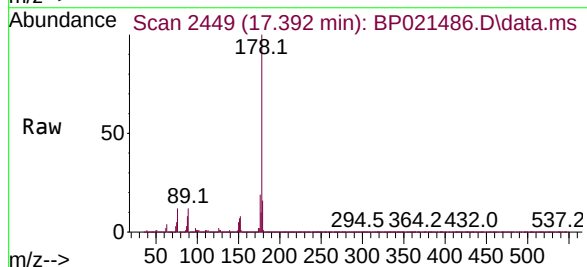
Manual Integrations
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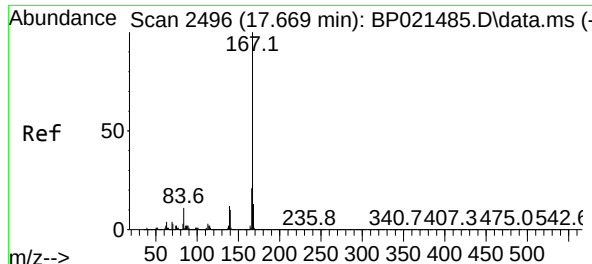
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

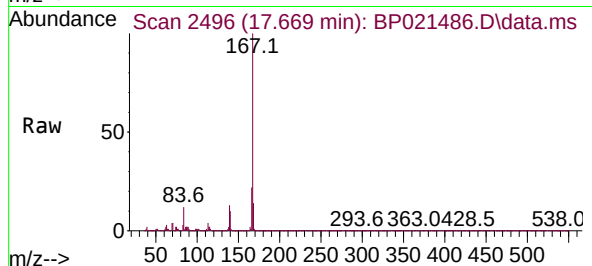
Tgt Ion:178 Resp: 5212543
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.8 12.5 18.7





#73
Carbazole
Concen: 48.027 ng
RT: 17.669 min Scan# 2496
Delta R.T. 0.000 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

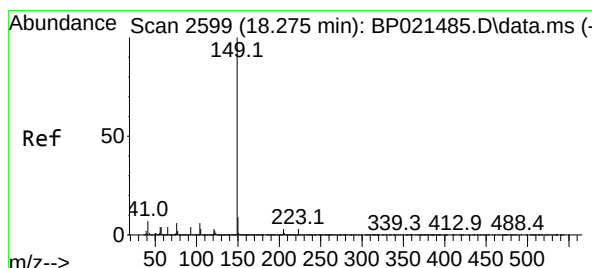
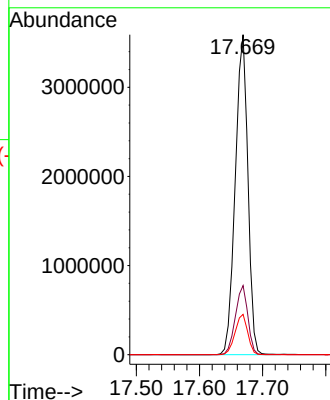
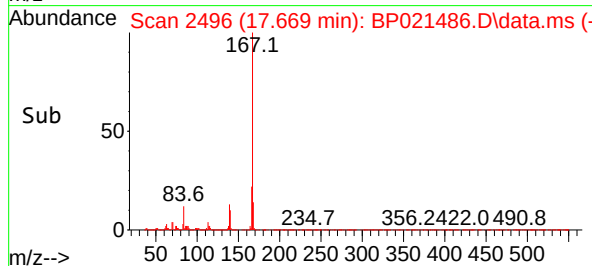
Instrument :
BNA_P
Client Sample Id :
SSTDICC050



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

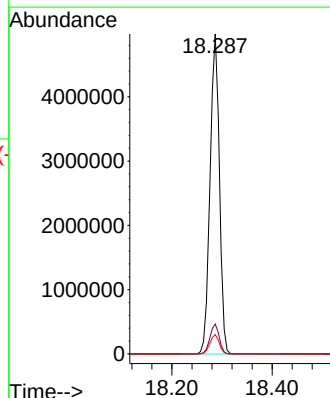
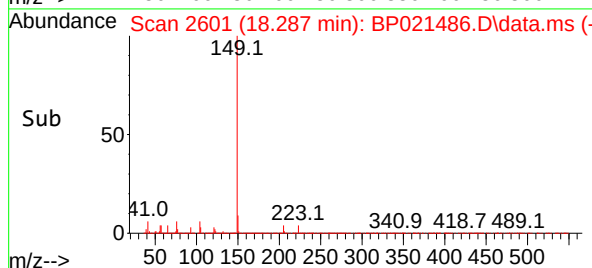
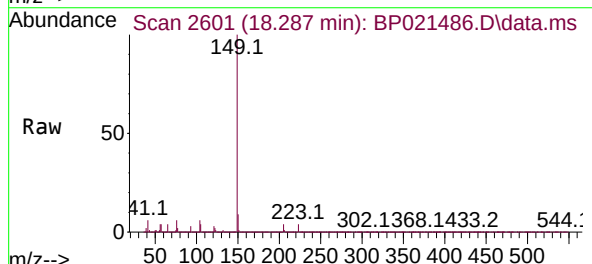
Manual Integrations
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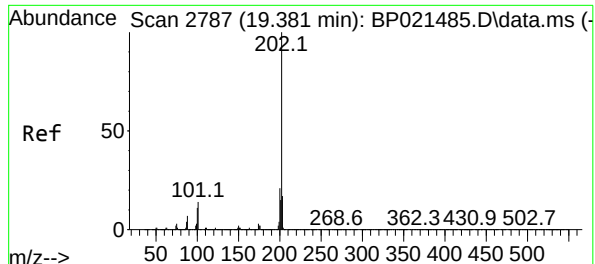
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

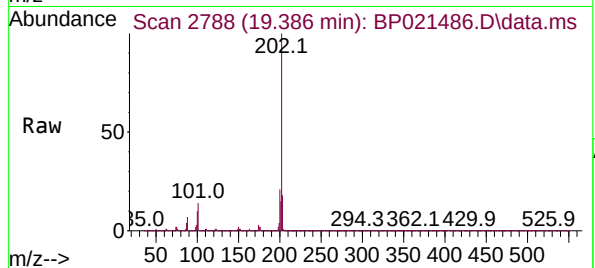
Tgt Ion:149 Resp: 6454560
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 6.0 4.9 7.3





#75
Fluoranthene
Concen: 48.166 ng
RT: 19.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

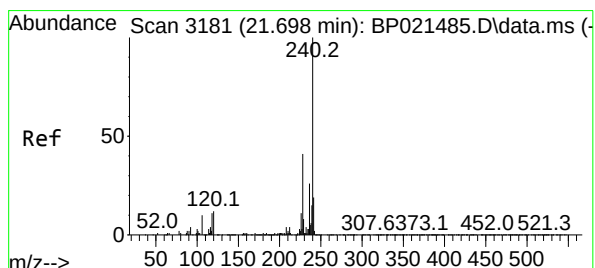
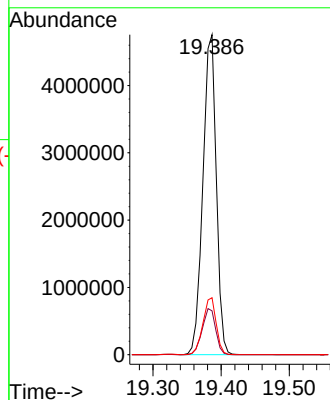
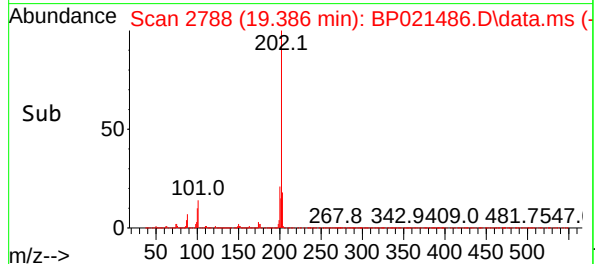
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 6476130
Ion Ratio Lower Upper
202 100
101 13.7 0.0 34.0
203 17.8 0.0 37.5

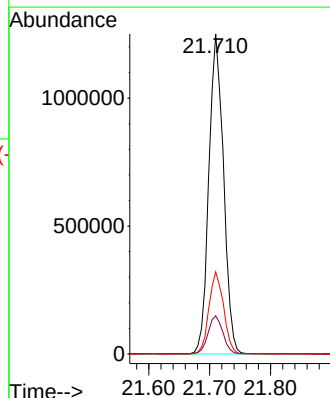
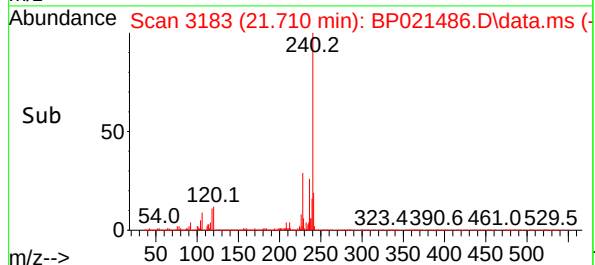
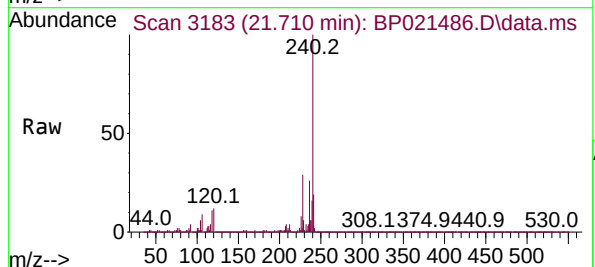
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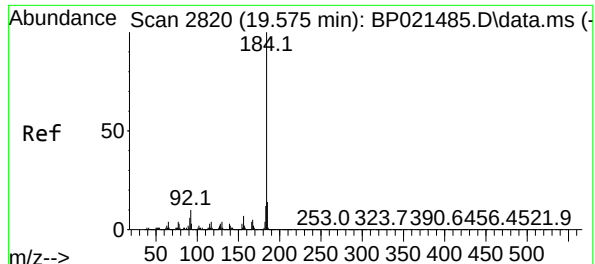
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 2820

Delta R.T. -0.000 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:184 Resp: 249365

Ion Ratio Lower Upper

184 100

185 14.2 11.4 17.0

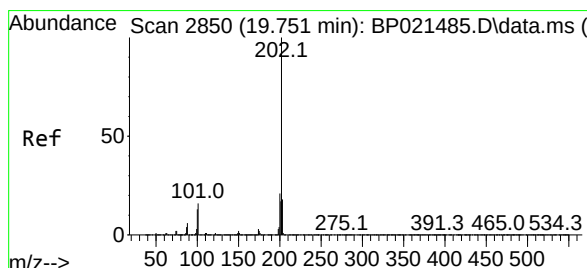
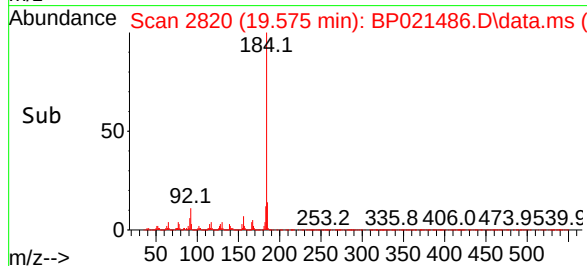
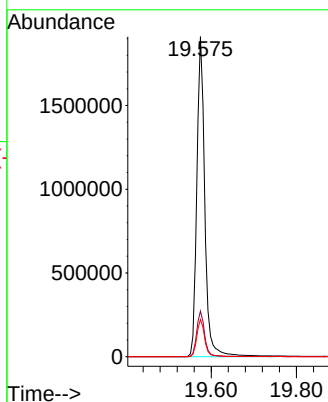
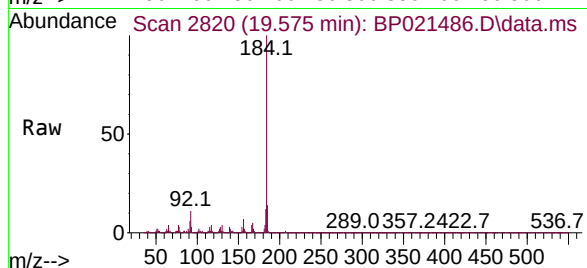
183 11.6 9.3 13.9

Manual Integrations

APPROVED

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

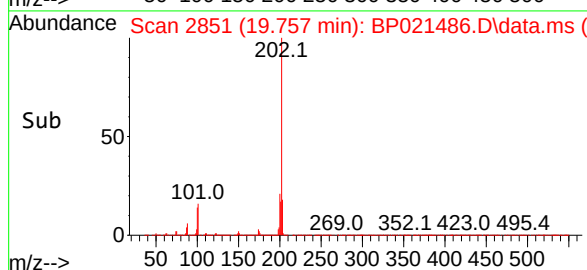
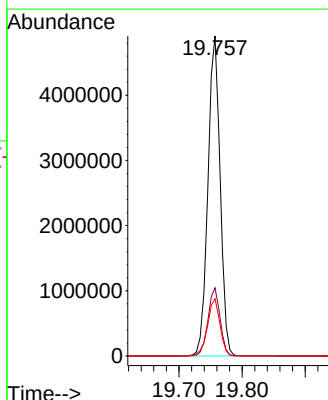
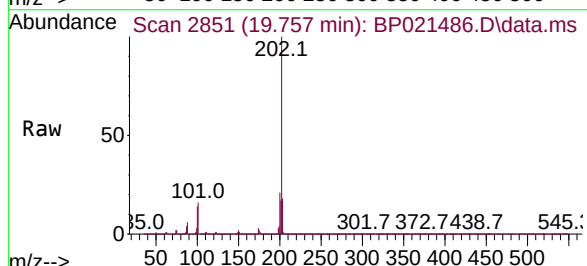
Tgt Ion:202 Resp: 6603640

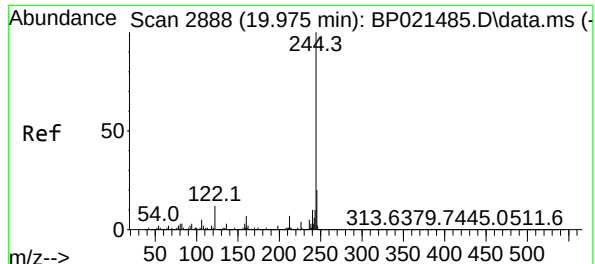
Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

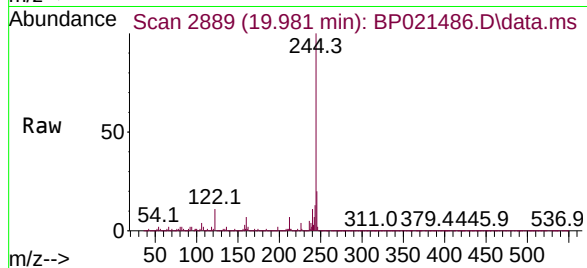
203 17.9 14.1 21.1





#79
Terphenyl-d14
Concen: 94.554 ng
RT: 19.981 min Scan# 2889
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

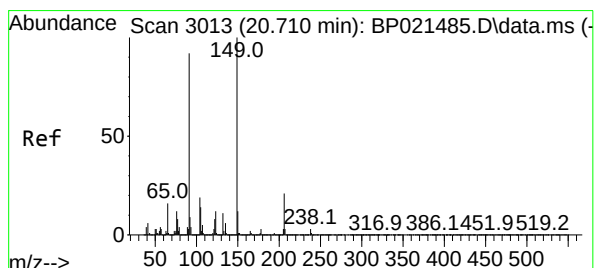
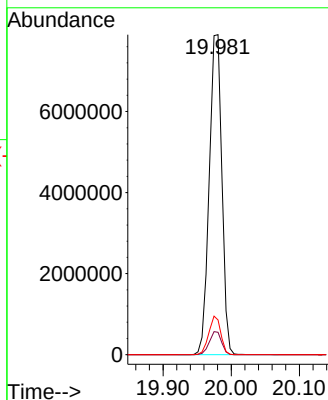
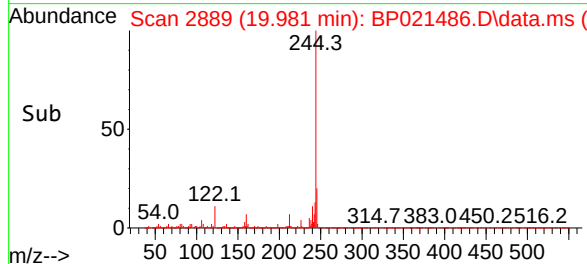
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



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

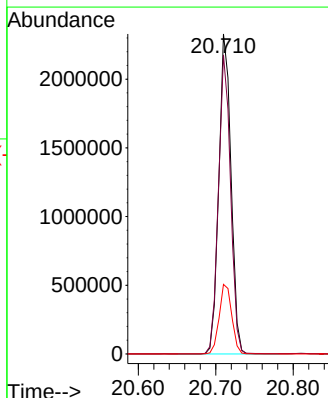
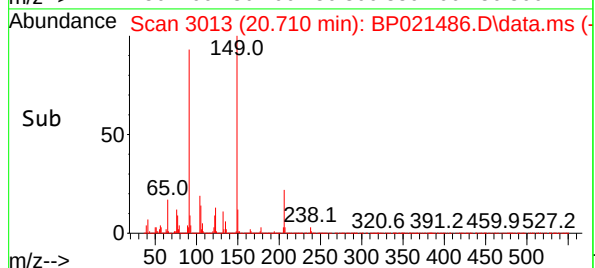
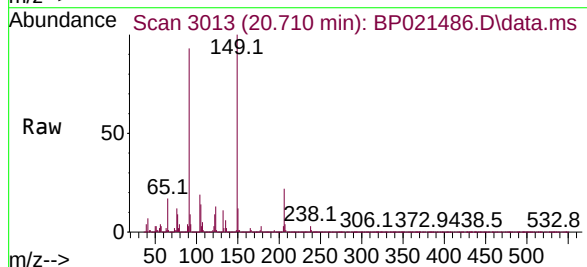
Manual Integrations
APPROVED

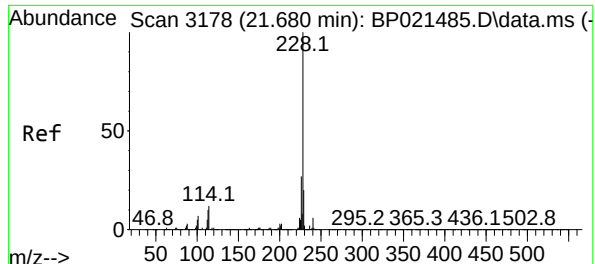
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





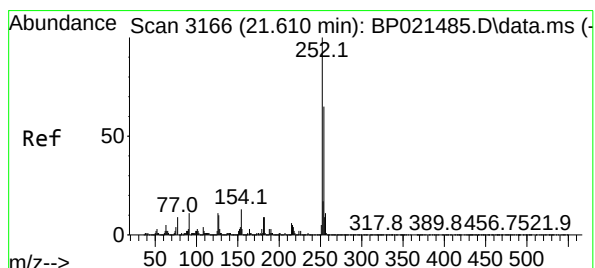
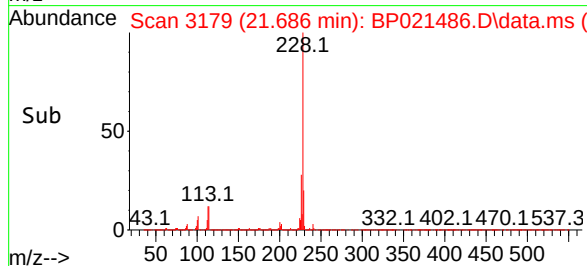
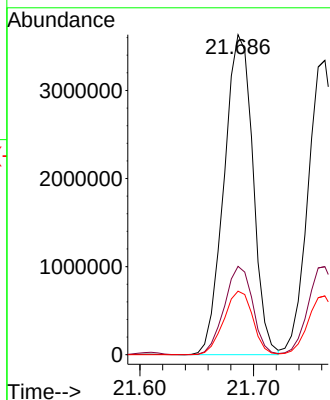
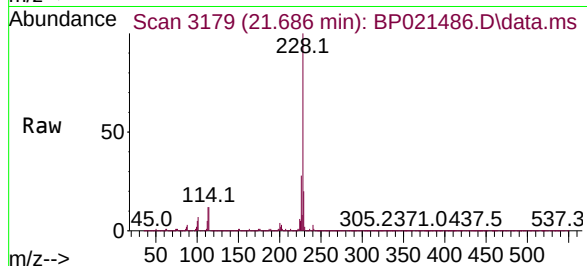
#81
Benzo(a)anthracene
Concen: 48.741 ng
RT: 21.686 min Scan# 3179
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

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

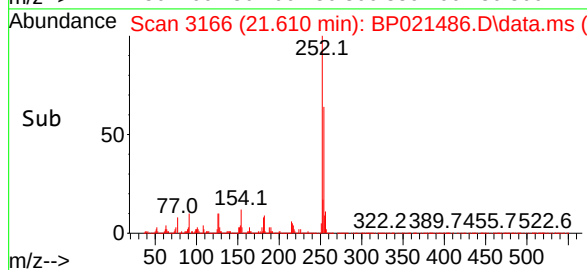
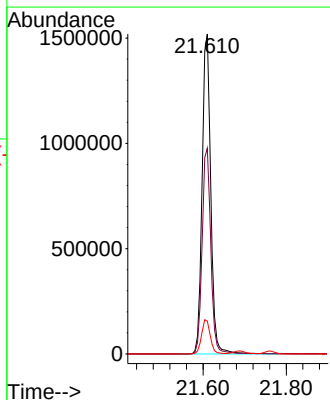
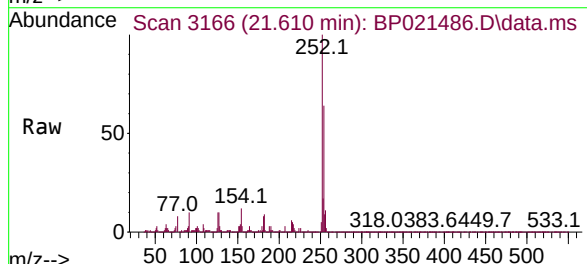
Manual Integrations
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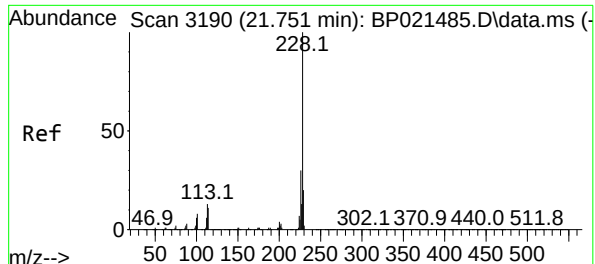
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

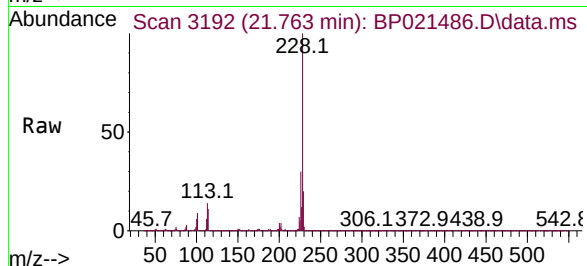
Tgt Ion:252 Resp: 2191535
Ion Ratio Lower Upper
252 100
254 64.3 51.7 77.5
126 10.3 8.7 13.1





#83
Chrysene
Concen: 48.555 ng
RT: 21.763 min Scan# 3190
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

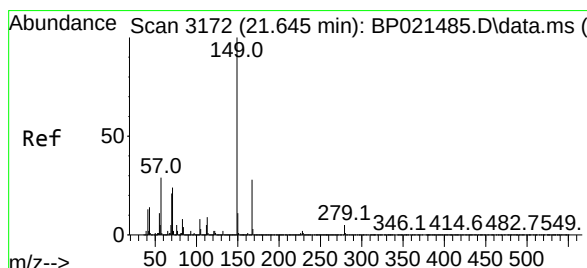
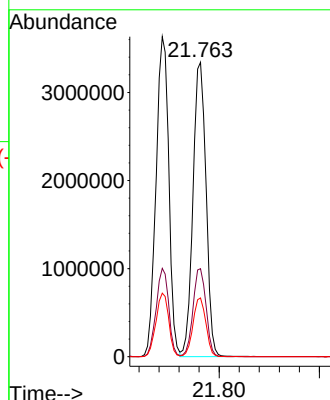
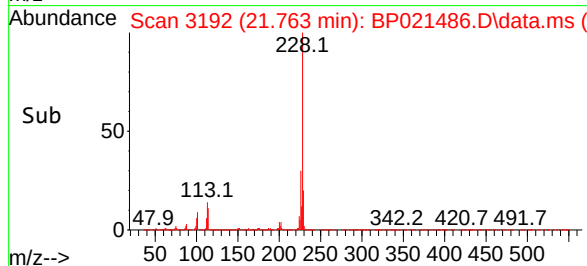
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



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

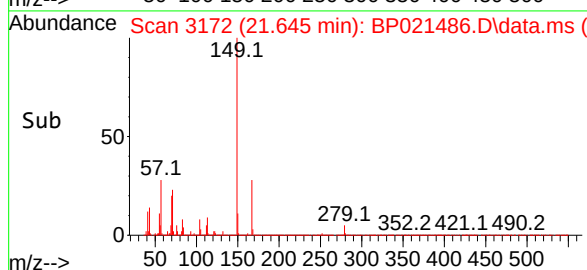
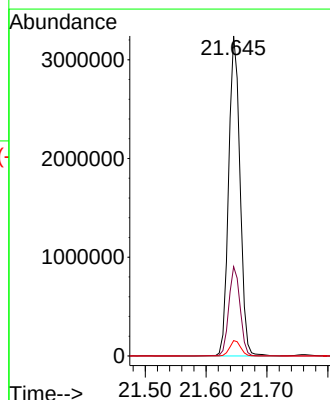
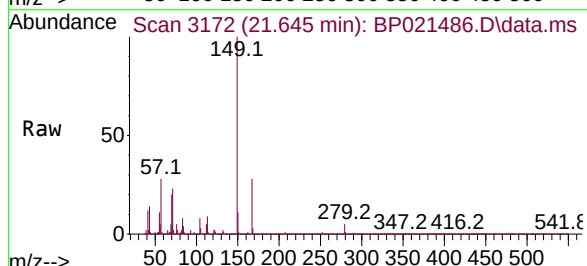
Manual Integrations
APPROVED

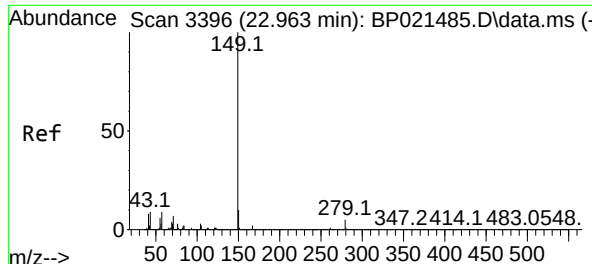
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

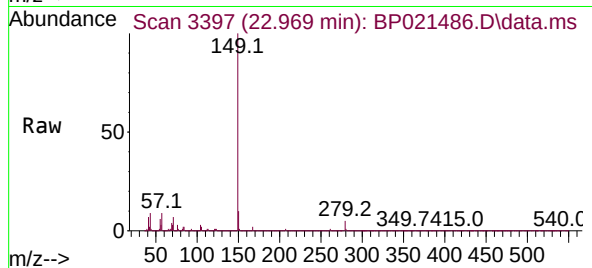
Tgt Ion:149 Resp: 4205342
Ion Ratio Lower Upper
149 100
167 27.9 22.3 33.5
279 4.8 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 49.144 ng
RT: 22.969 min Scan# 31
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

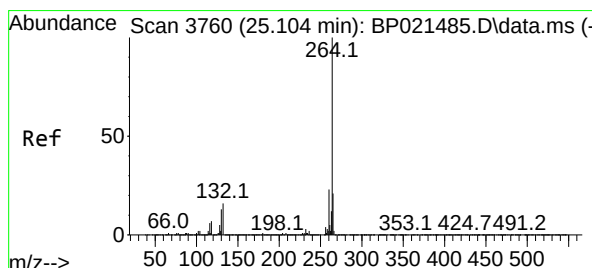
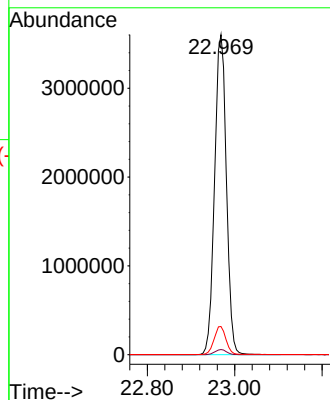
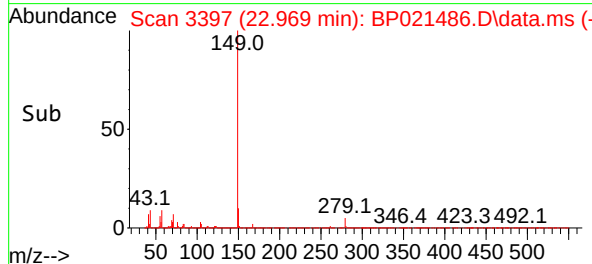
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



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

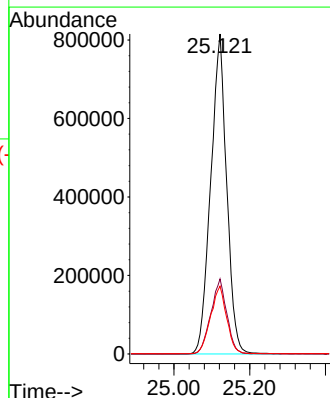
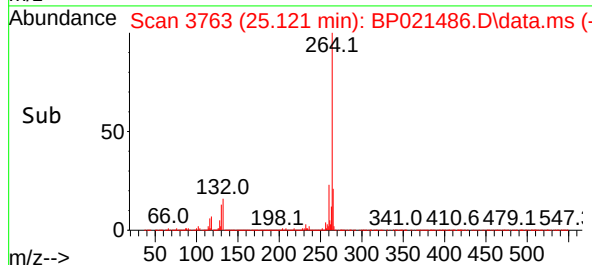
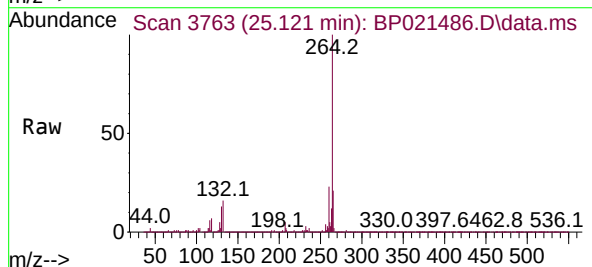
Manual Integrations
APPROVED

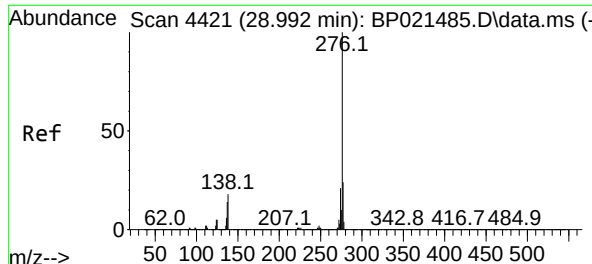
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

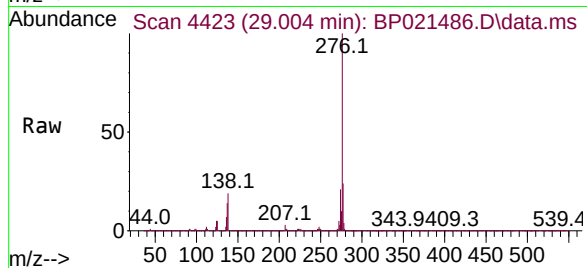
Tgt Ion:264 Resp: 2377136
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 21.2 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 50.025 ng m
RT: 29.004 min Scan# 4423
Delta R.T. 0.012 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

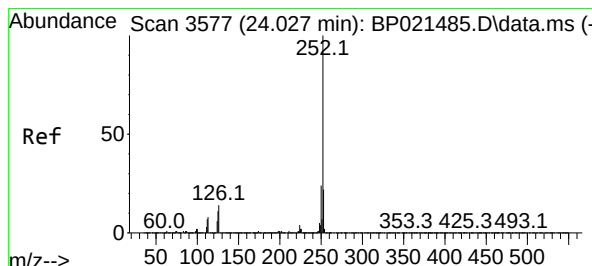
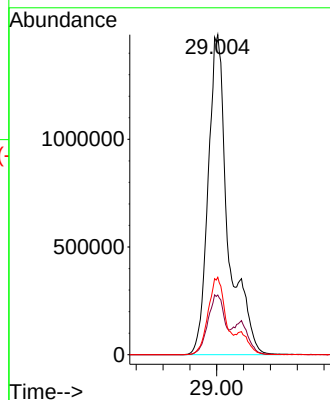
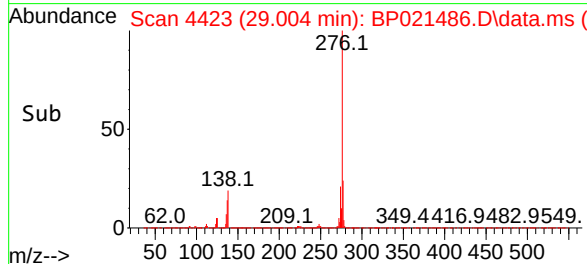
Instrument :
BNA_P
ClientSampleId :
SSTDICC050



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

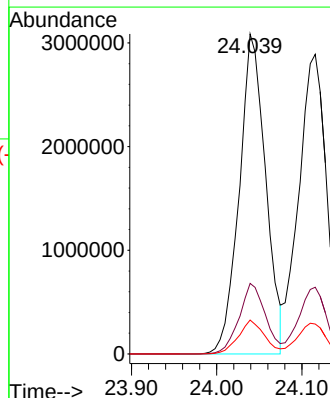
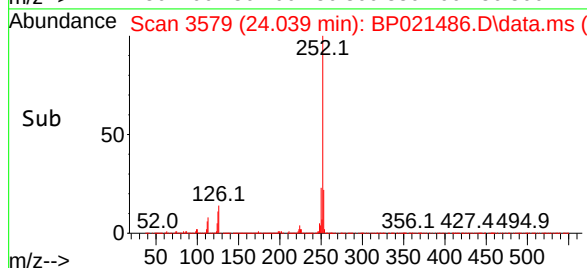
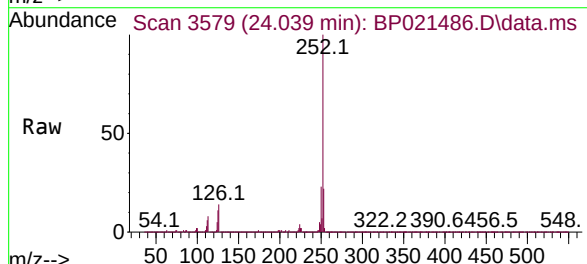
Manual Integrations
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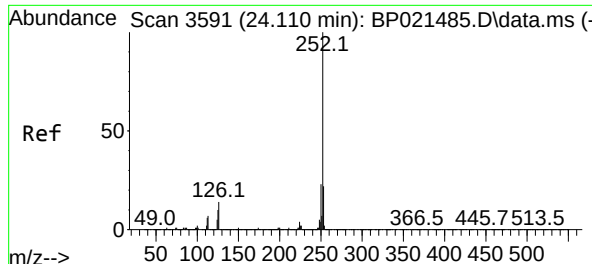
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#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# 3591

Delta R.T. 0.006 min

Lab File: BP021486.D

Acq: 13 Aug 2024 16:09

Instrument :

BNA_P

ClientSampleId :

SSTDICC050

Tgt Ion:252 Resp: 655298

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

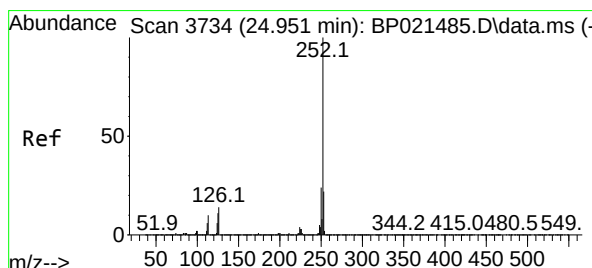
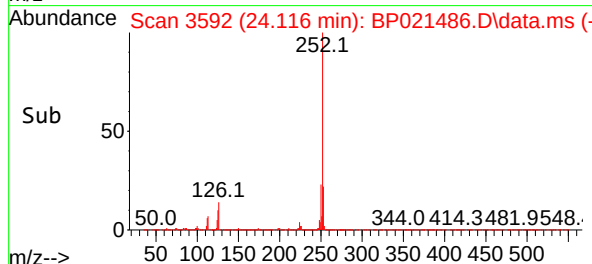
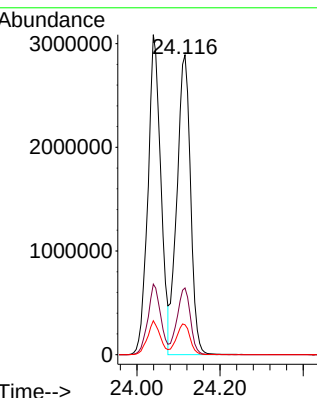
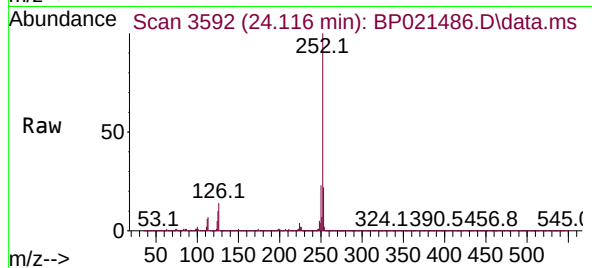
125 10.0 7.8 11.8

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

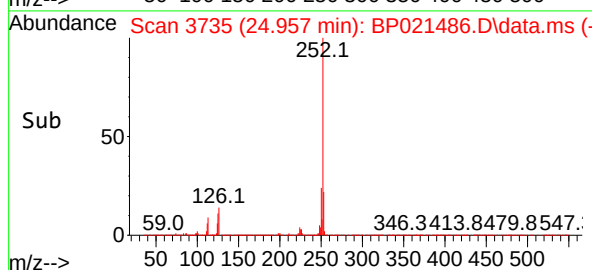
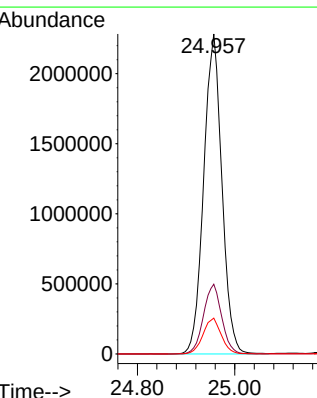
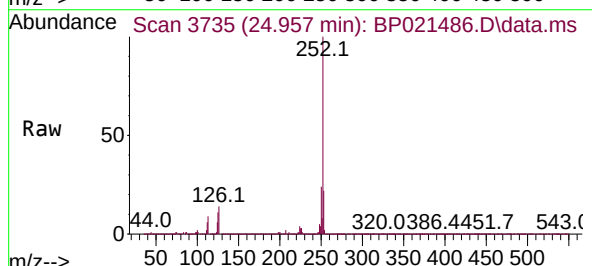
Tgt Ion:252 Resp: 5918922

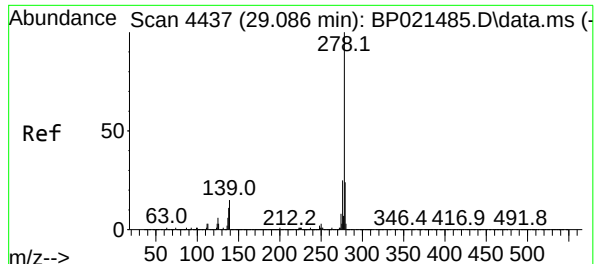
Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

125 11.2 8.7 13.1





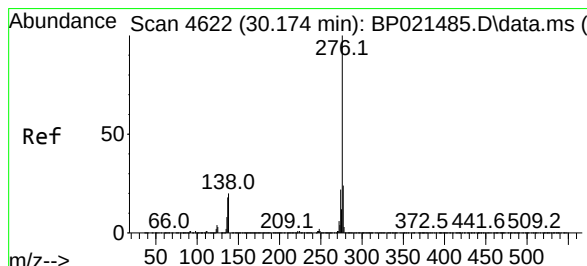
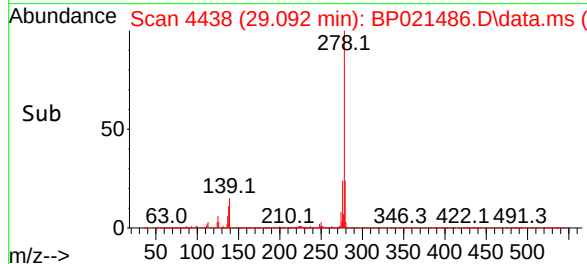
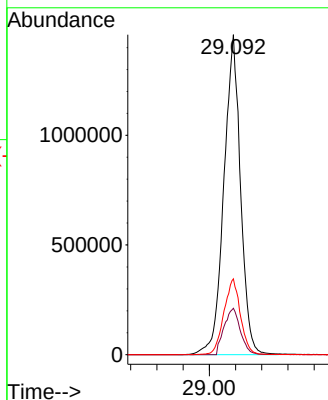
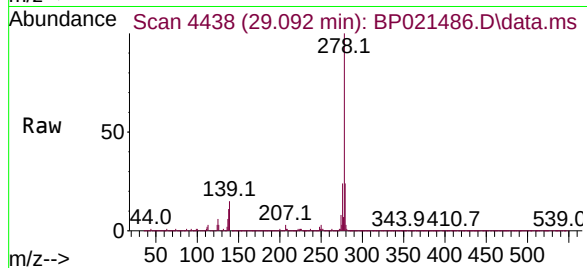
#91
Dibenzo(a,h)anthracene
Concen: 50.151 ng
RT: 29.092 min Scan# 4437
Delta R.T. 0.006 min
Lab File: BP021486.D
Acq: 13 Aug 2024 16:09

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 6420890
Ion Ratio Lower Upper
278 100
139 14.5 12.2 18.4
279 23.7 19.1 28.7

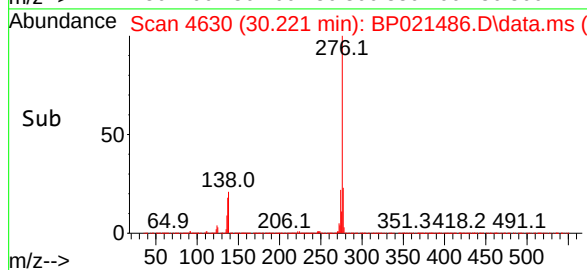
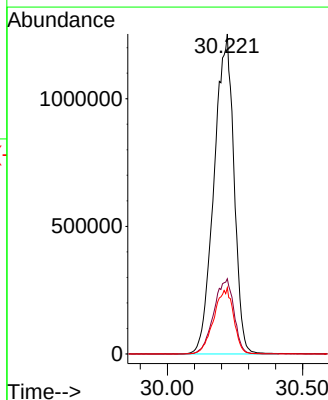
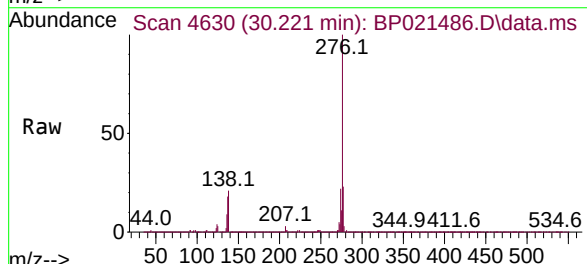
Manual Integrations
APPROVED

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

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)
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

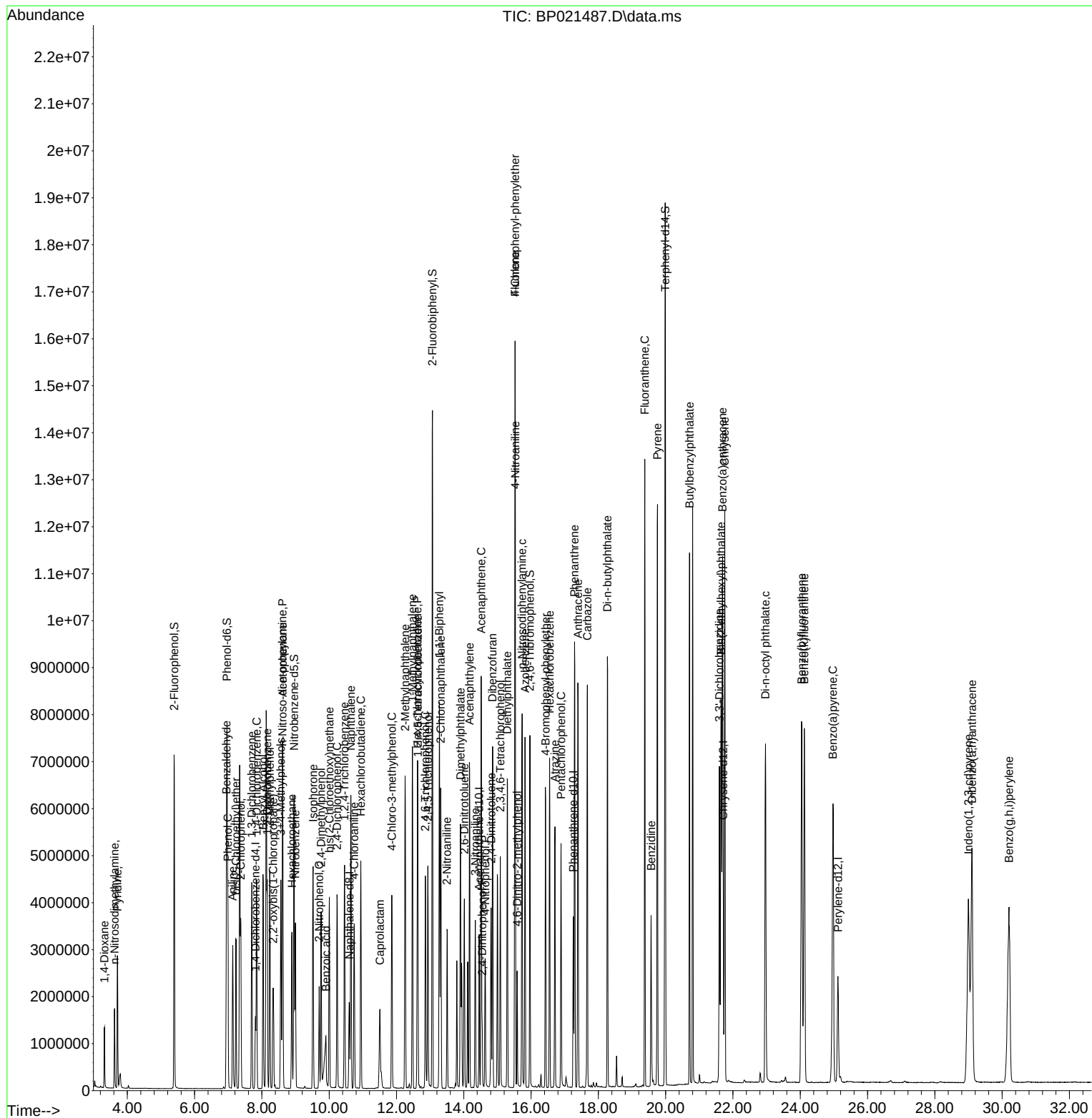
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.934	196	1165351	67.609	ng	98
46) 1,1'-Biphenyl	13.275	154	4097218	60.754	ng	100
47) 2-Chloronaphthalene	13.316	162	3228869	61.498	ng	99
48) 2-Nitroaniline	13.504	65	940456	62.204	ng	99
49) Acenaphthylene	14.175	152	4669645	60.501	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

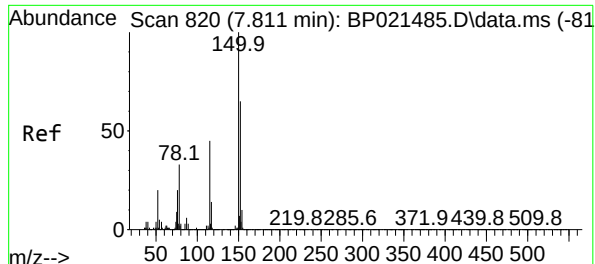
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Manual Integrations

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Supervised By :mohammad ahmed 08/14/2024





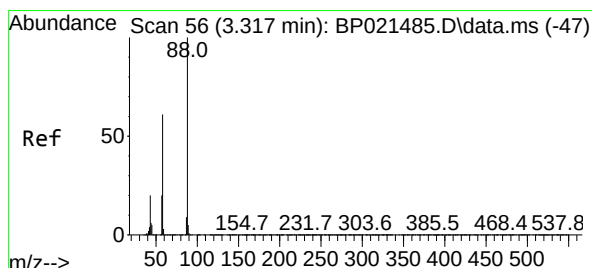
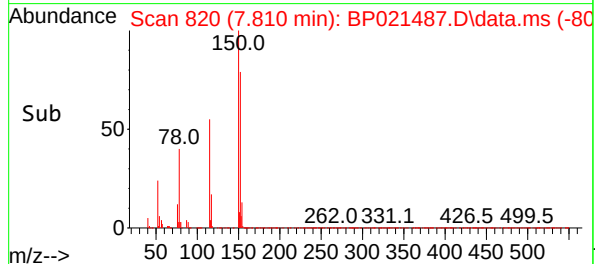
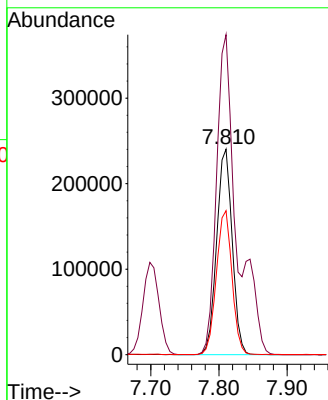
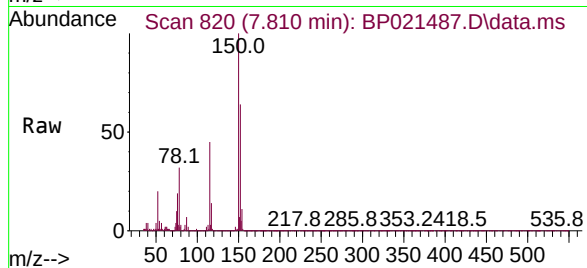
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.001 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 152 Resp: 382208
Ion Ratio Lower Upper
152 100
150 155.8 122.4 183.6
115 70.1 54.7 82.1

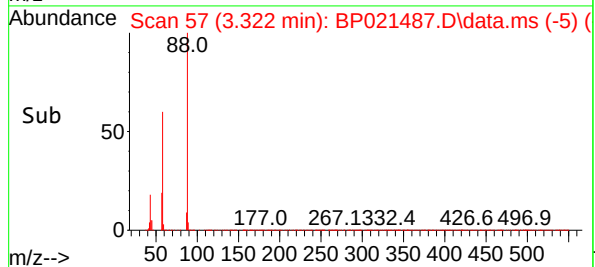
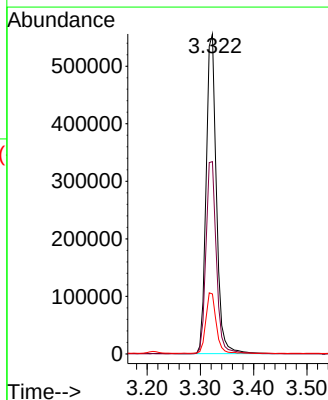
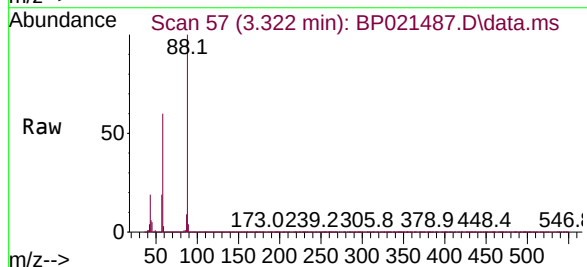
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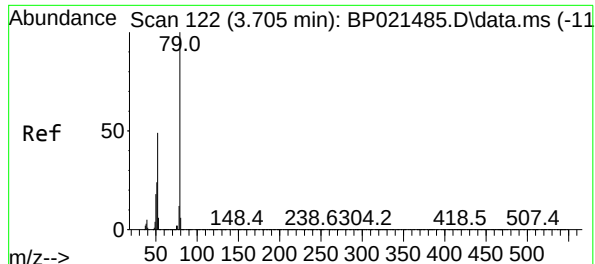
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





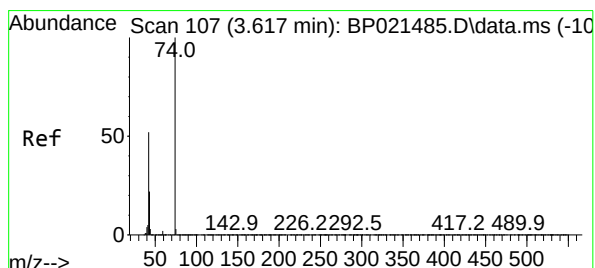
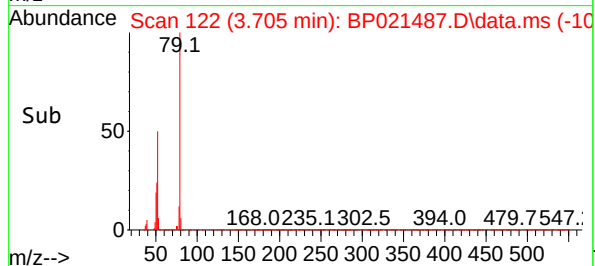
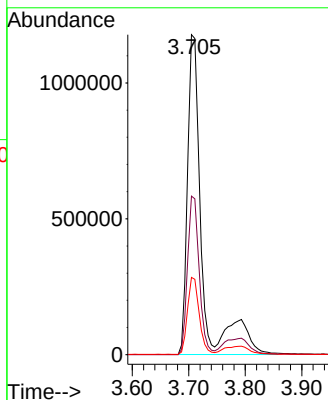
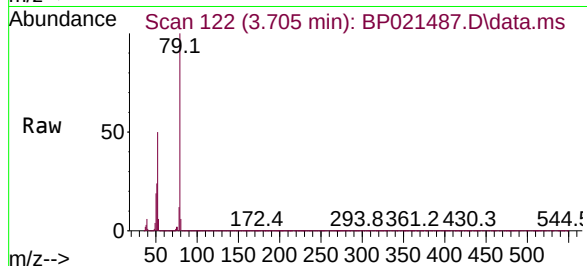
#3
Pyridine
Concen: 61.723 ng m
RT: 3.705 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 2102990
Ion Ratio Lower Upper
79 100
52 49.5 39.0 58.6
51 24.1 19.2 28.8

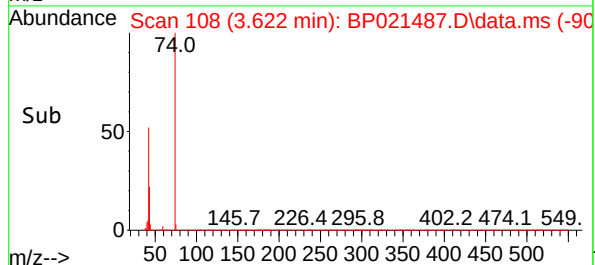
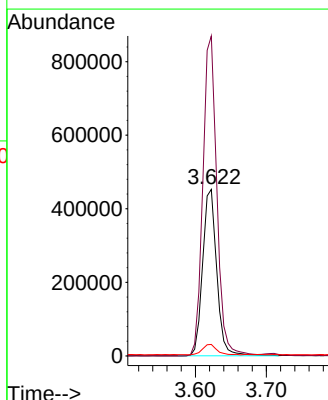
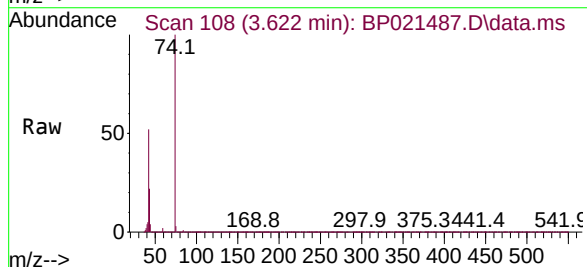
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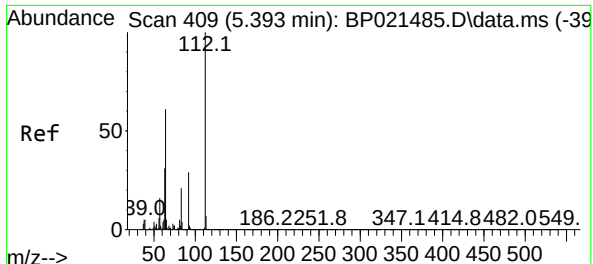
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





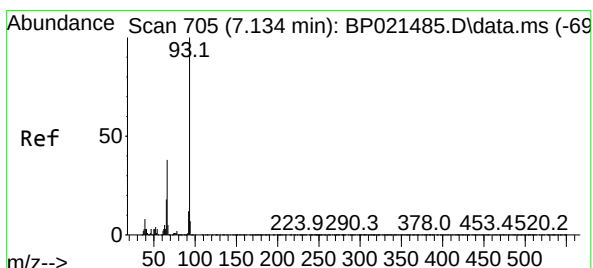
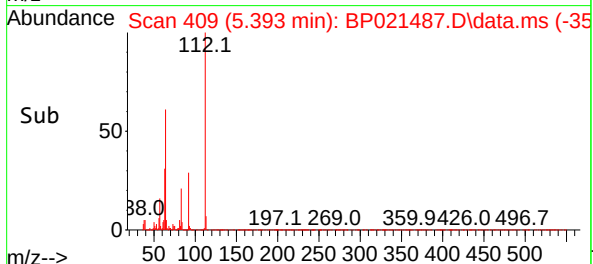
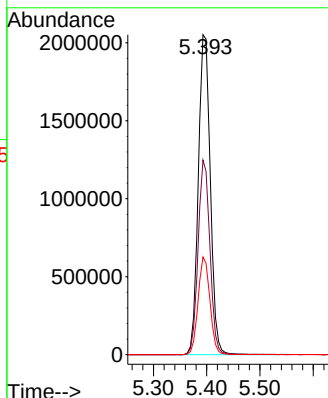
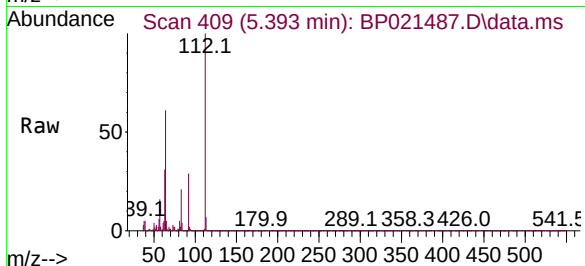
#5
2-Fluorophenol
Concen: 124.817 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
Client Sample Id :
SSTDICC060

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

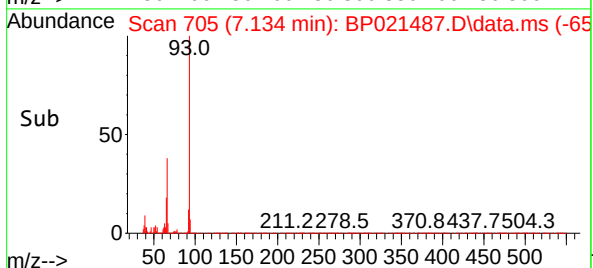
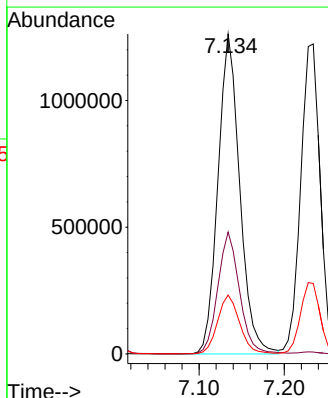
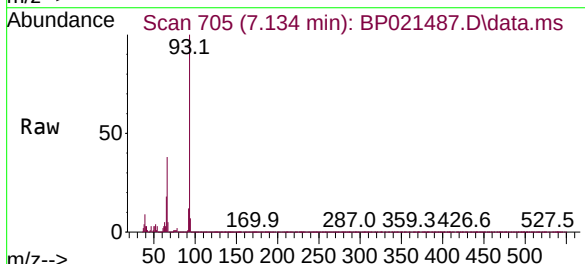
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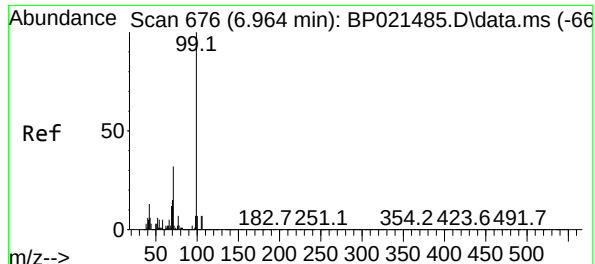
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 61

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion: 99 Resp: 458298

Ion Ratio Lower Upper

99 100

42 12.6 10.2 15.4

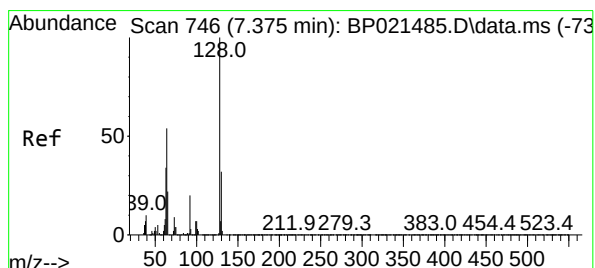
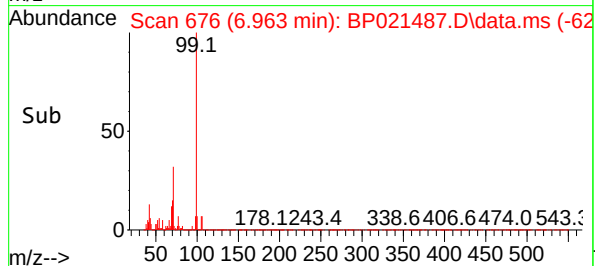
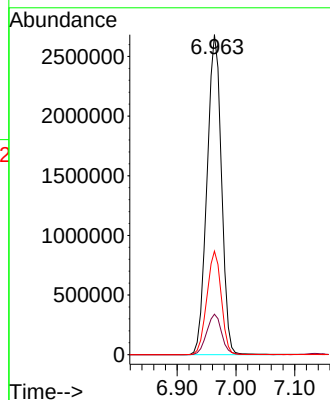
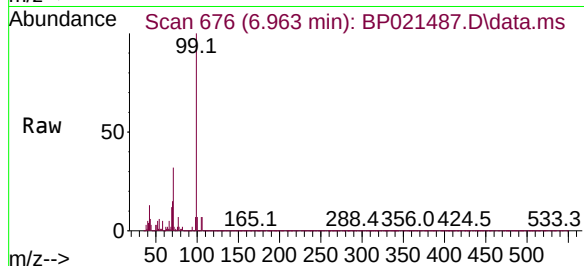
71 32.4 25.8 38.8

Manual Integrations

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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

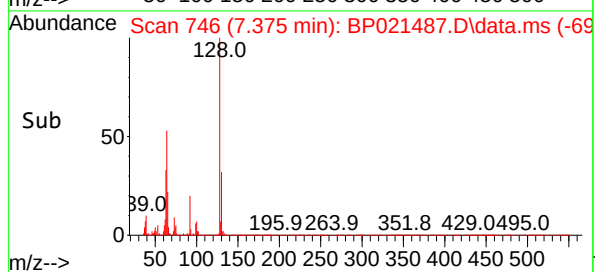
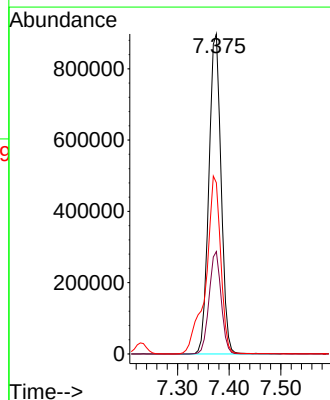
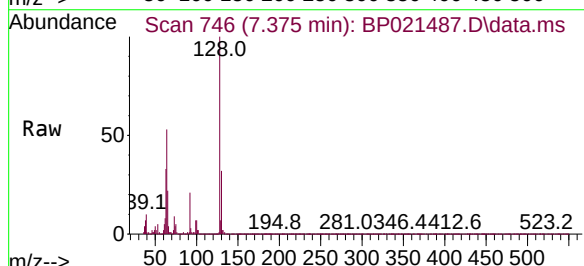
Tgt Ion:128 Resp: 1472845

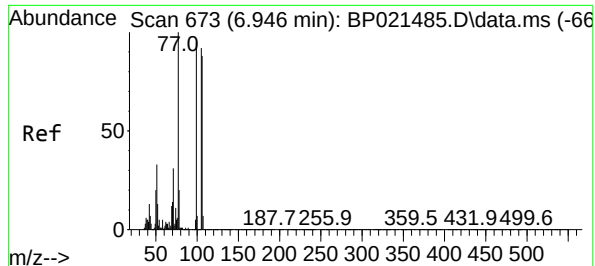
Ion Ratio Lower Upper

128 100

130 32.0 11.6 51.6

64 53.5 35.3 75.3





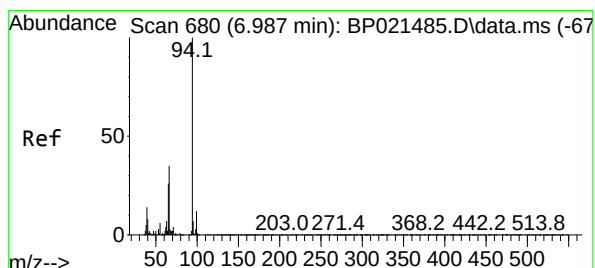
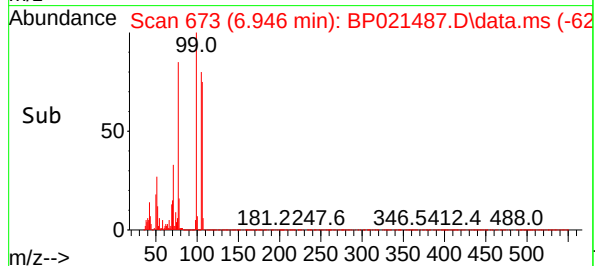
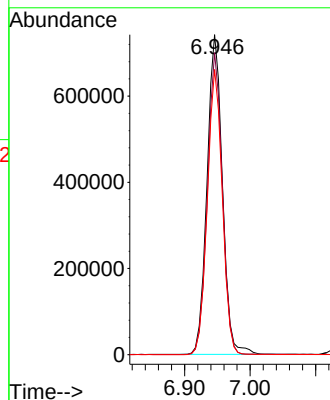
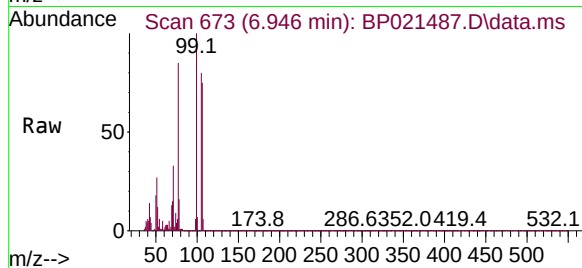
#9
Benzaldehyde
Concen: 50.428 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 1212390
Ion Ratio Lower Upper
77 100
105 94.4 72.1 112.1
106 89.1 67.9 107.9

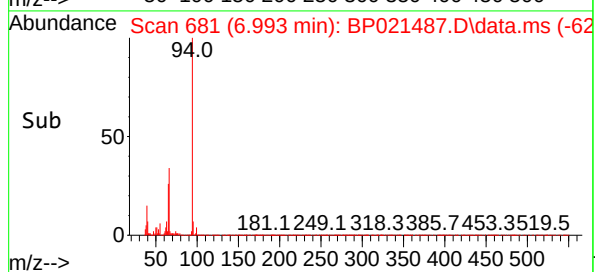
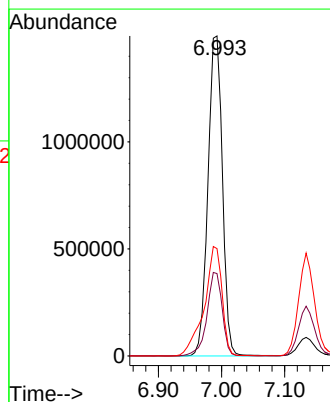
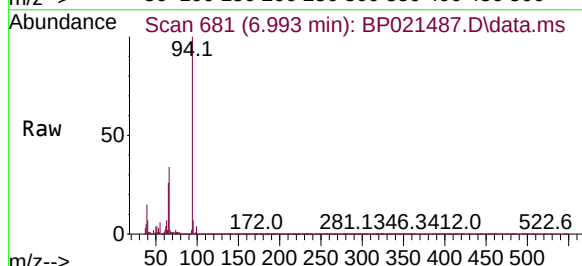
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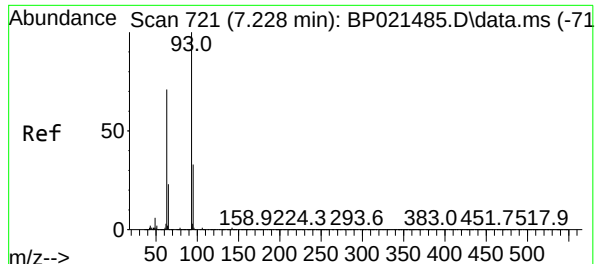
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 721

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion: 93 Resp: 193806

Ion Ratio Lower Upper

93 100

63 69.6 51.0 91.0

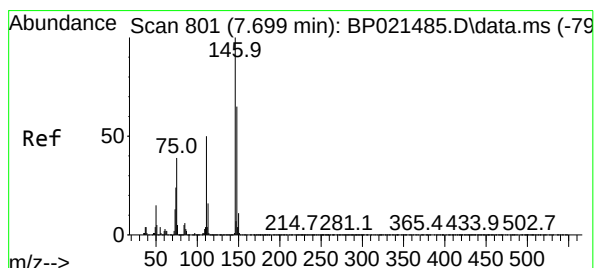
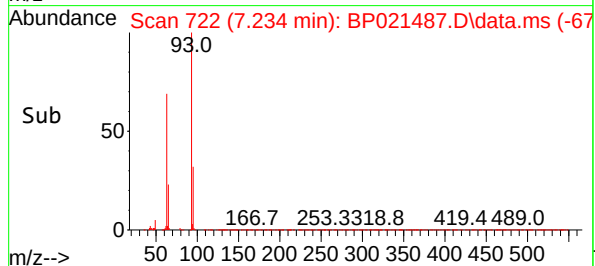
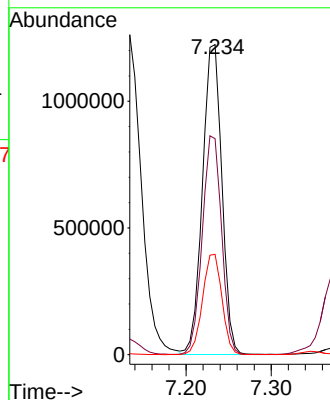
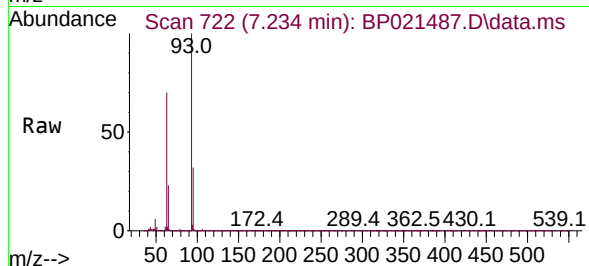
95 32.4 12.9 52.9

Manual Integrations

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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

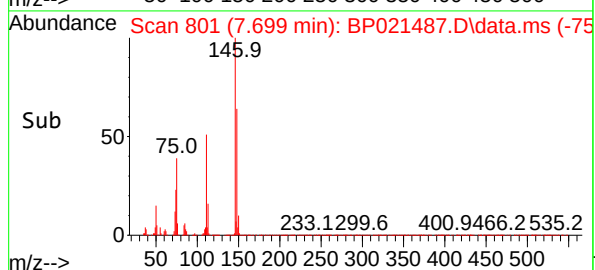
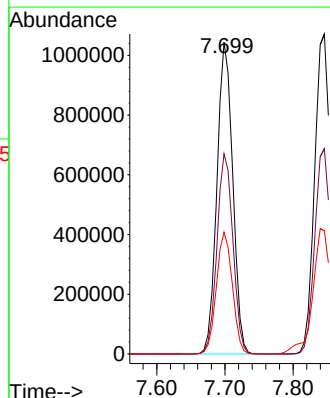
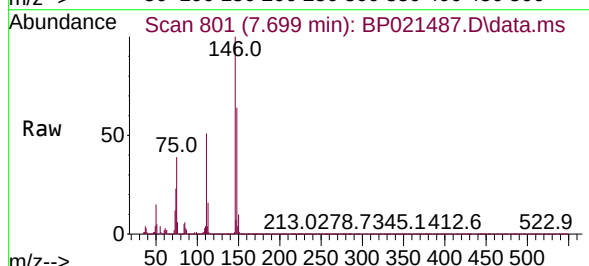
Tgt Ion:146 Resp: 1682261

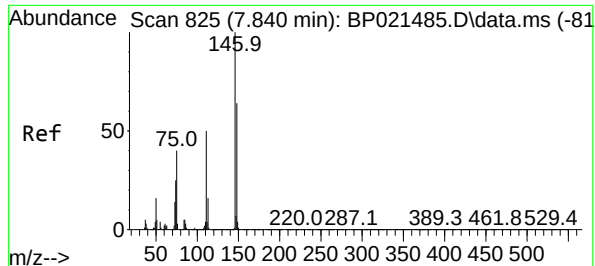
Ion Ratio Lower Upper

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# 81

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 1709124

Ion Ratio Lower Upper

146 100

148 64.1 51.5 77.3

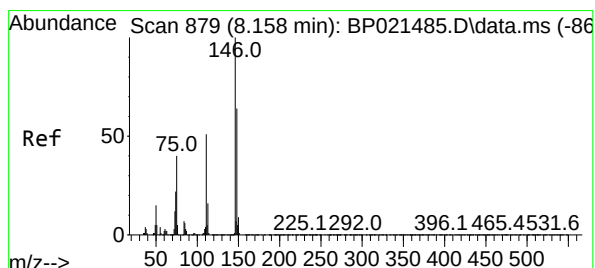
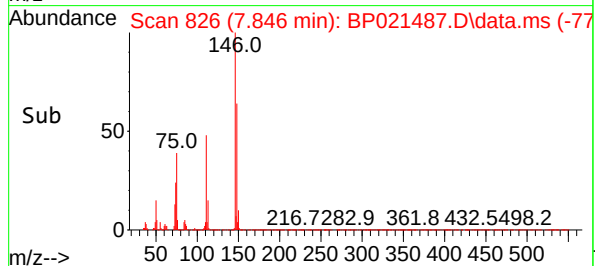
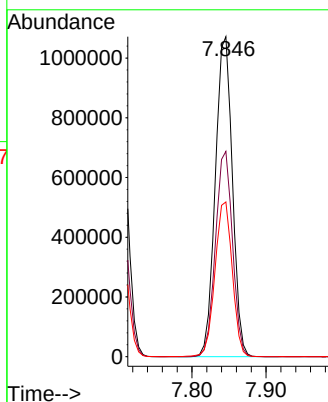
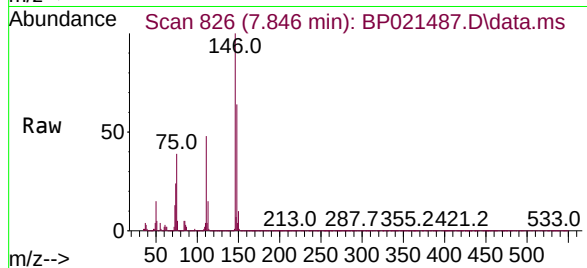
111 48.4 40.3 60.5

Manual Integrations

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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

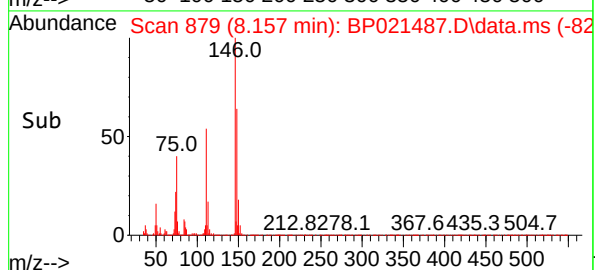
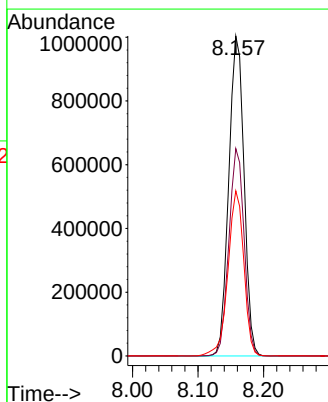
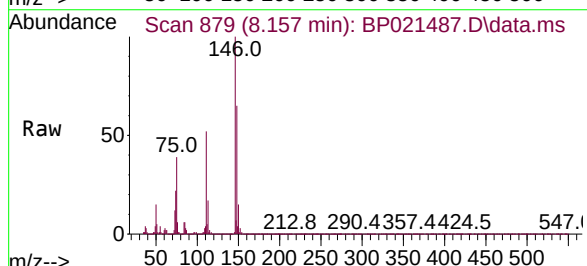
Tgt Ion:146 Resp: 1624118

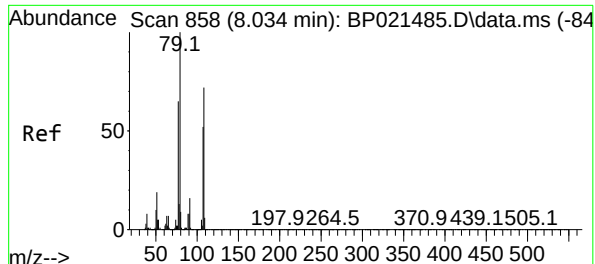
Ion Ratio Lower Upper

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# 858

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 1647924

Ion Ratio Lower Upper

79 100

108 71.6 57.9 86.9

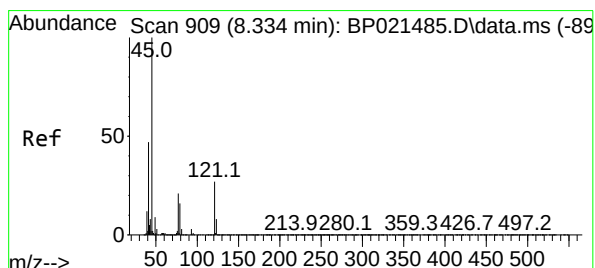
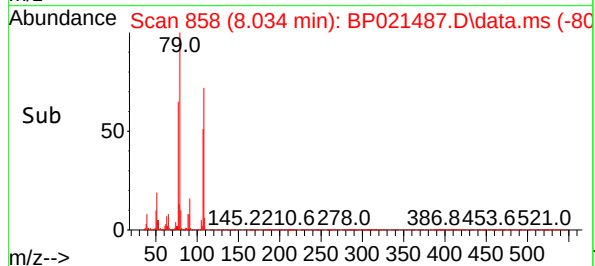
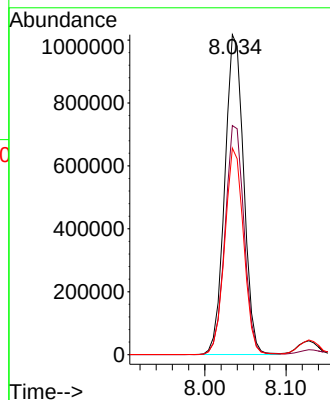
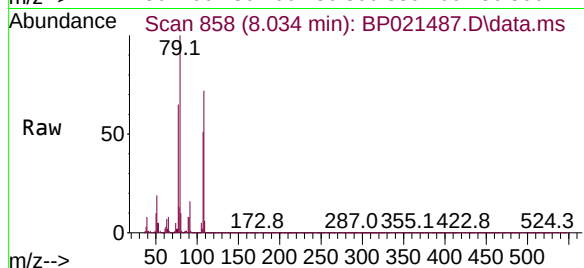
77 64.5 51.8 77.8

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

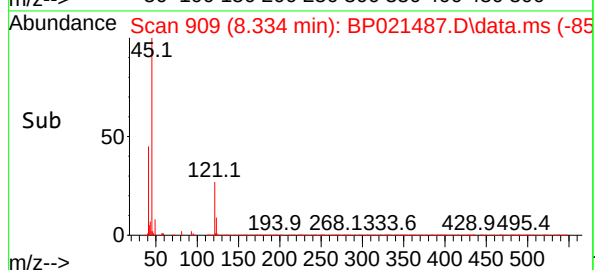
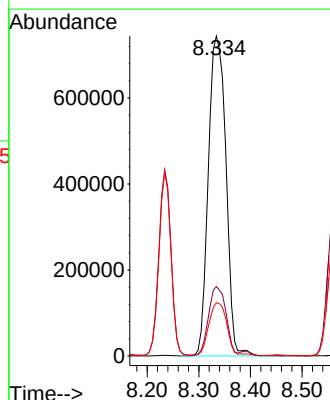
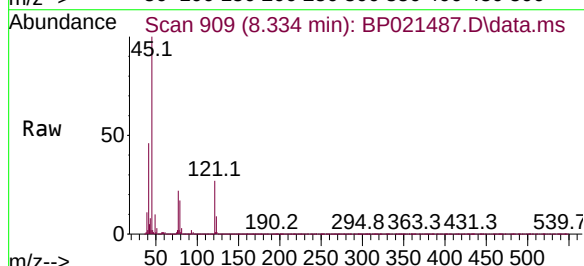
Tgt Ion: 45 Resp: 1756837

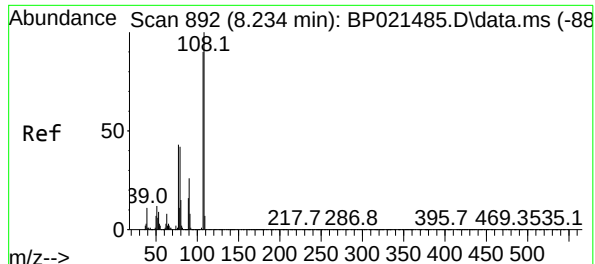
Ion Ratio Lower Upper

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# 892

Delta R.T. -0.000 min

Lab File: BP021487.D

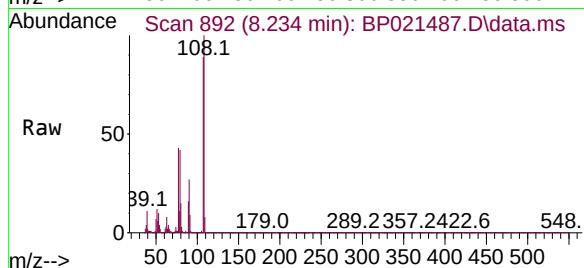
Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060



Tgt Ion:107 Resp: 1477294

Ion Ratio Lower Upper

107 100

108 111.8 88.8 133.2

77 48.0 38.7 58.1

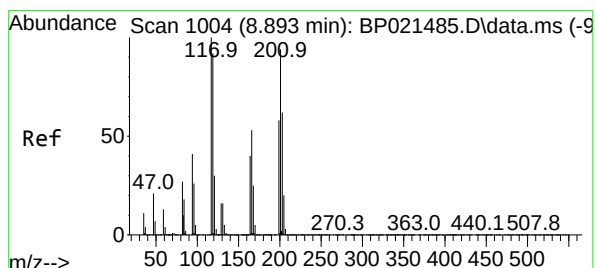
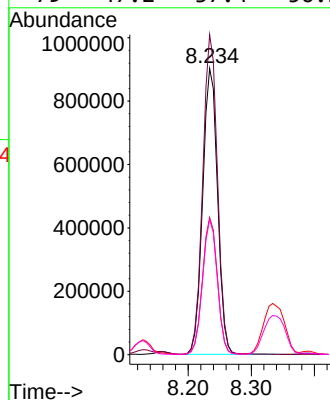
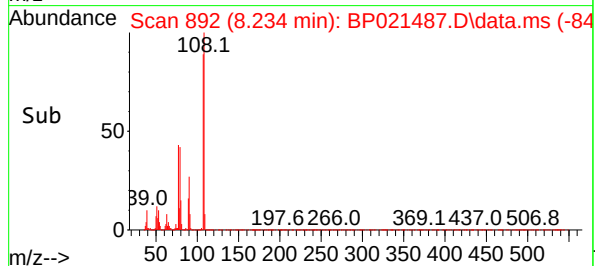
79 47.2 37.4 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#18

Hexachloroethane

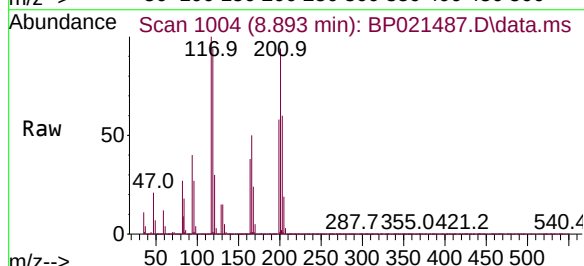
Concen: 61.570 ng

RT: 8.893 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53



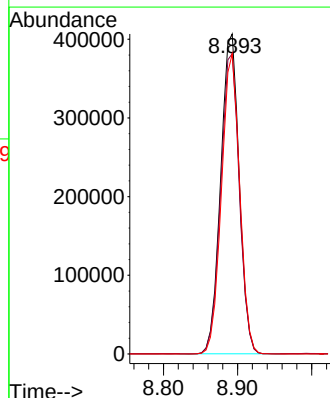
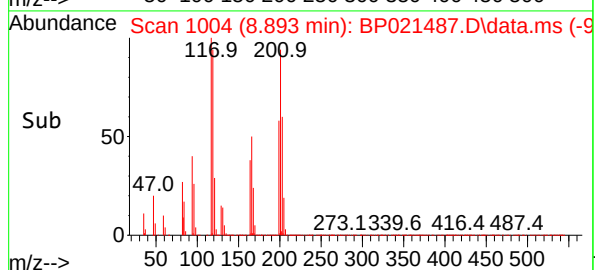
Tgt Ion:117 Resp: 704431

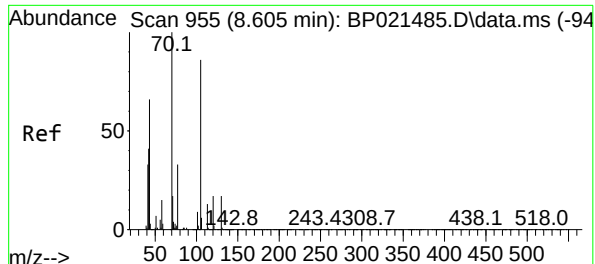
Ion Ratio Lower Upper

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# 91

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 1457549

Ion Ratio Lower Upper

70 100

42 42.0 33.1 49.7

101 10.0 7.4 11.2

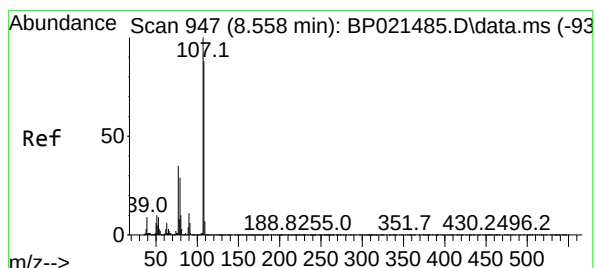
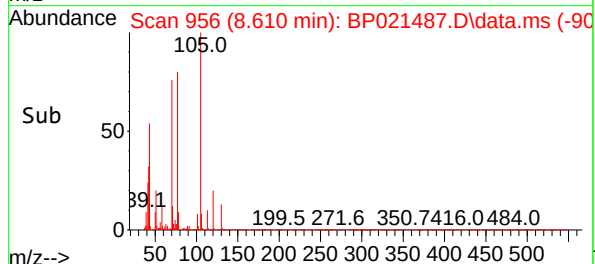
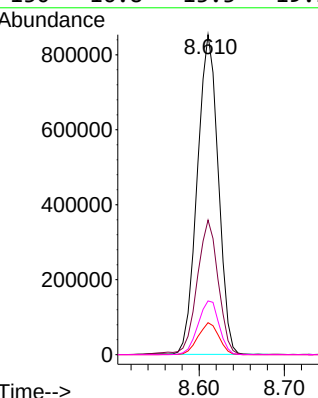
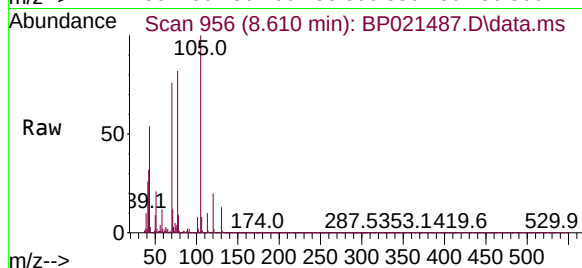
130 16.8 13.3 19.9

Manual Integrations

APPROVED

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

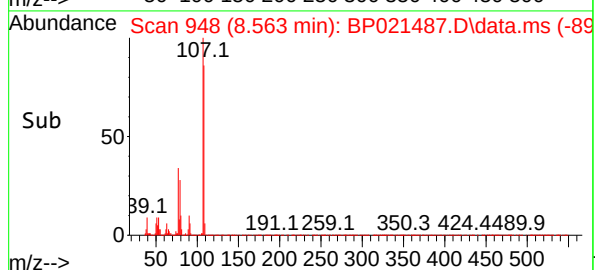
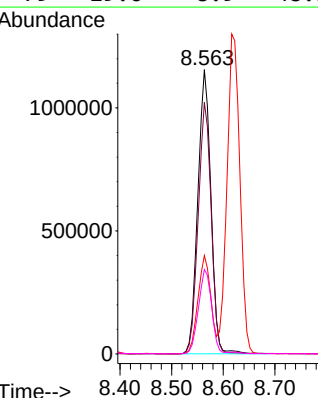
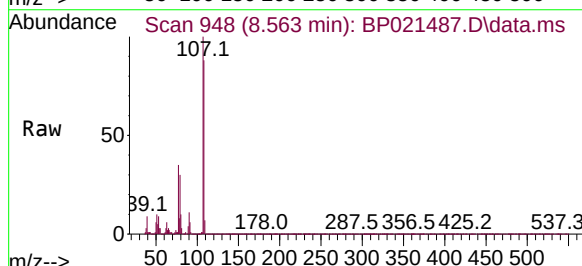
Ion Ratio Lower Upper

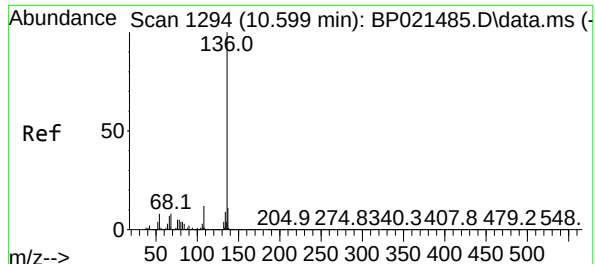
107 100

108 88.4 67.6 107.6

77 34.6 15.0 55.0

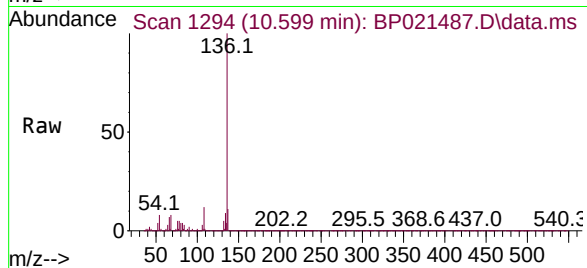
79 29.6 8.9 48.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.001 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

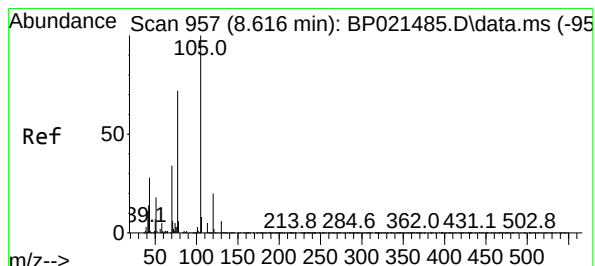
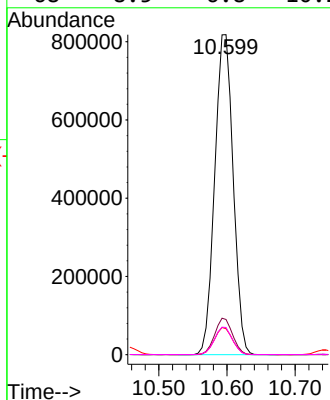
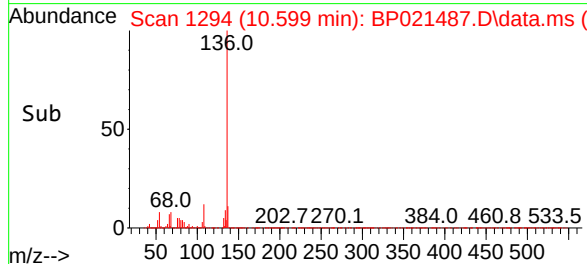
Instrument :
BNA_P
ClientSampleId :
SSTDICC060



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

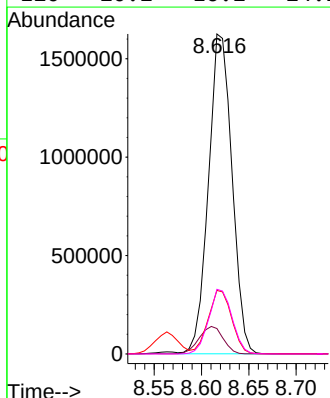
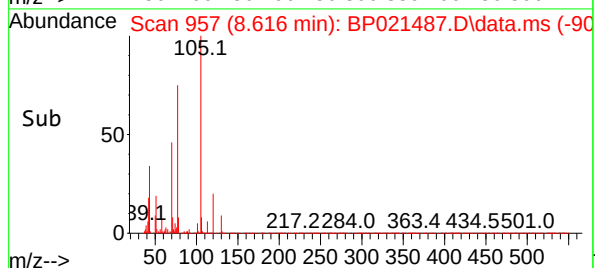
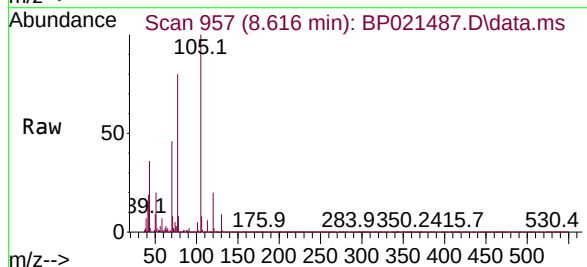
Manual Integrations
APPROVED

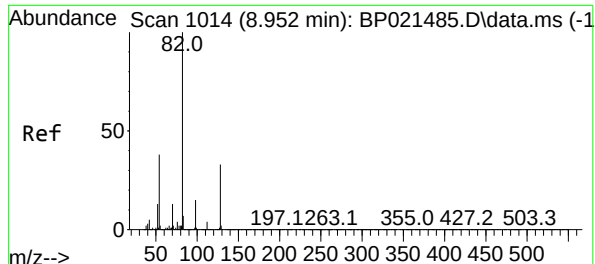
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1015

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 402482

Ion Ratio Lower Upper

82 100

128 34.8 26.5 39.7

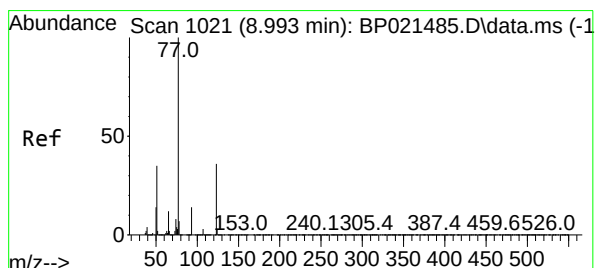
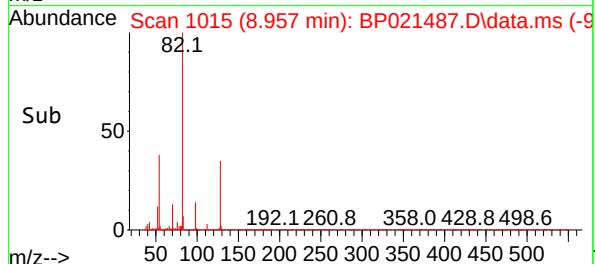
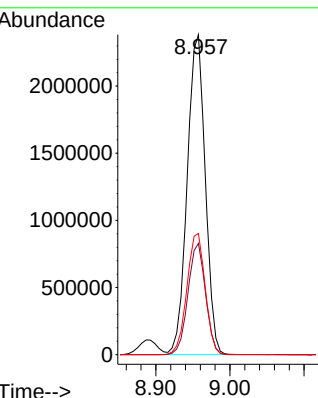
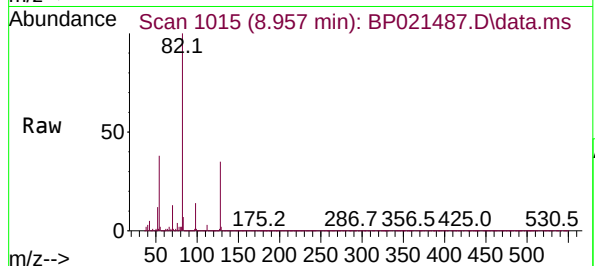
54 37.9 30.3 45.5

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

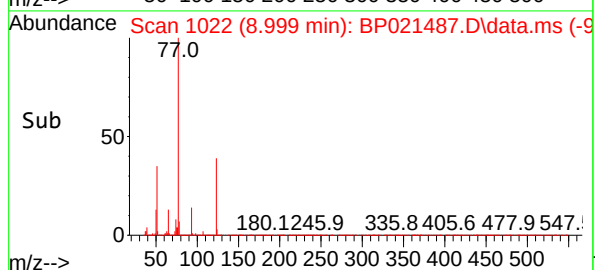
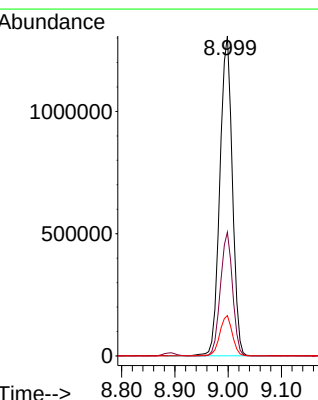
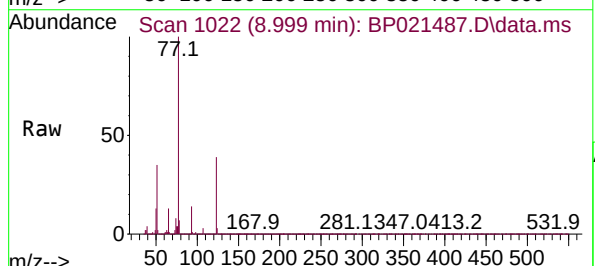
Tgt Ion: 77 Resp: 2126322

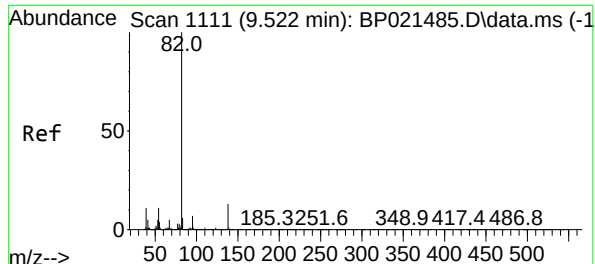
Ion Ratio Lower Upper

77 100

123 38.7 29.5 44.3

65 12.6 9.9 14.9





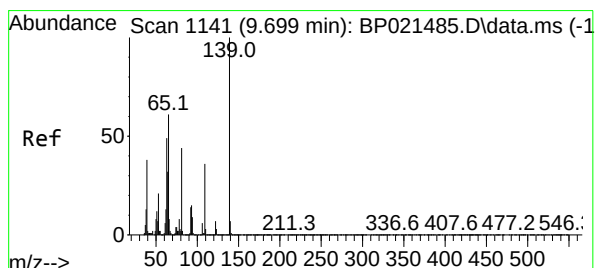
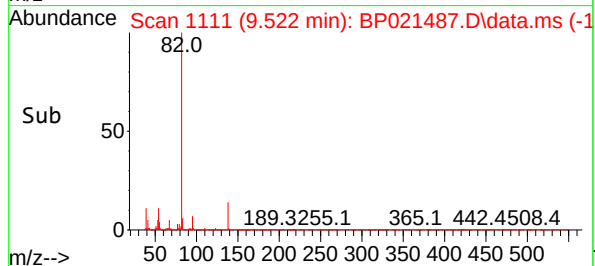
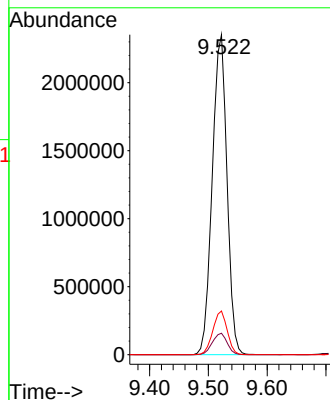
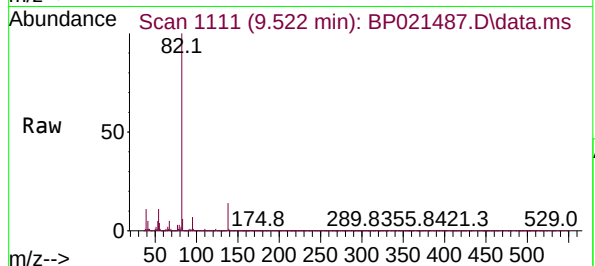
#25
Isophorone
Concen: 58.086 ng
RT: 9.522 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 4092218
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.2
138 13.6 10.6 16.0

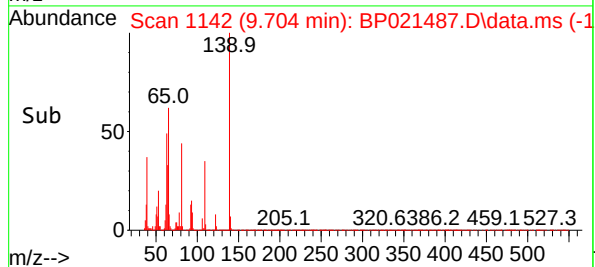
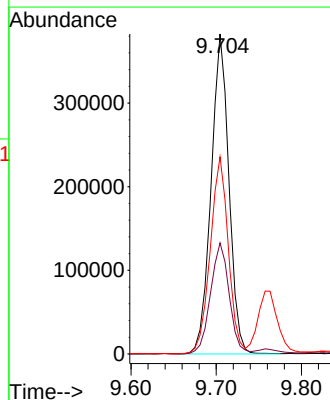
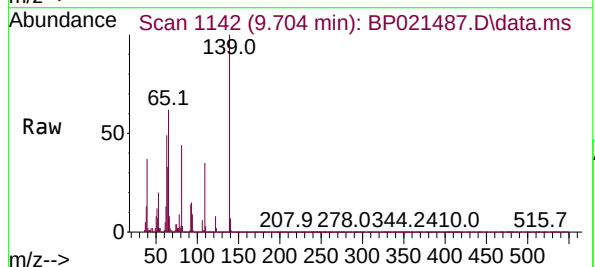
Manual Integrations
APPROVED

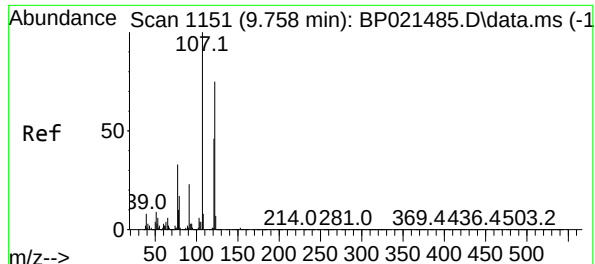
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1151

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion:122 Resp: 107433

Ion Ratio Lower Upper

122 100

107 129.0 106.2 159.4

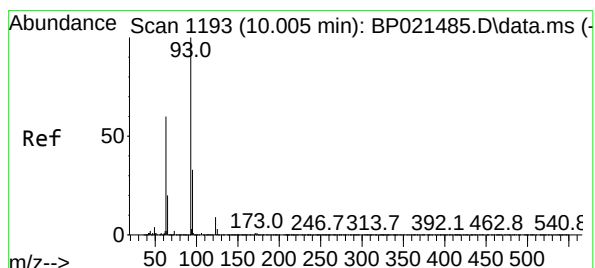
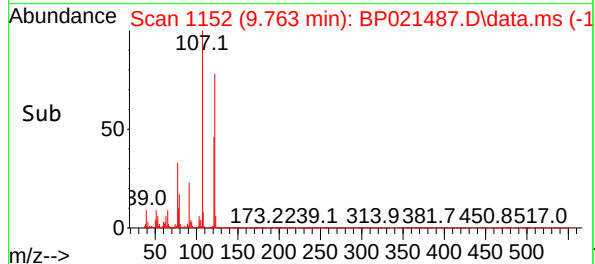
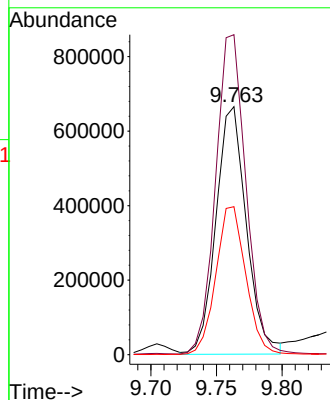
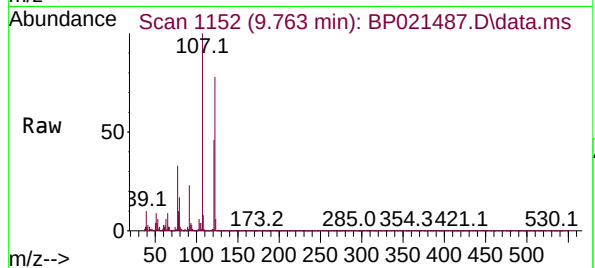
121 59.7 48.8 73.2

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

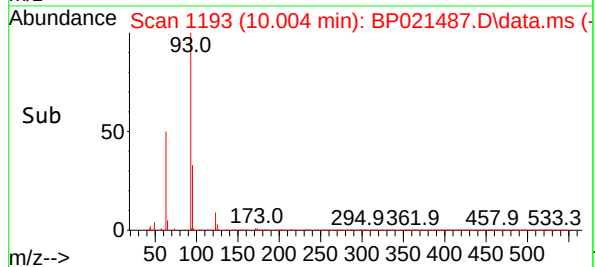
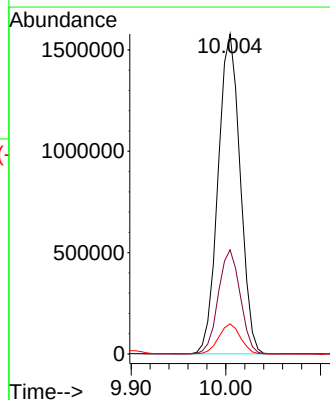
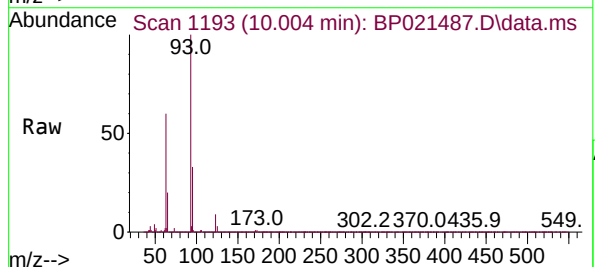
Tgt Ion: 93 Resp: 2556281

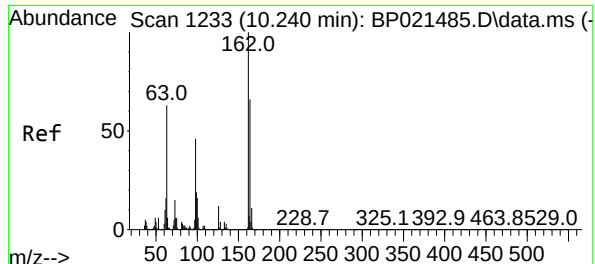
Ion Ratio Lower Upper

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# 1232

Delta R.T. -0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 1331749

Ion Ratio Lower Upper

162 100

164 64.4 45.9 85.9

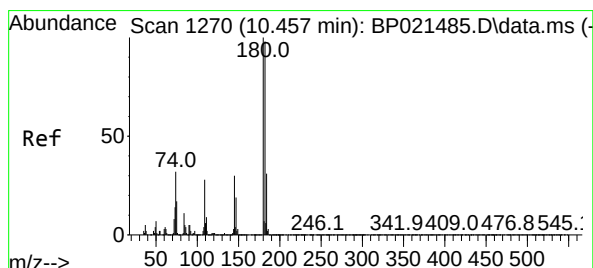
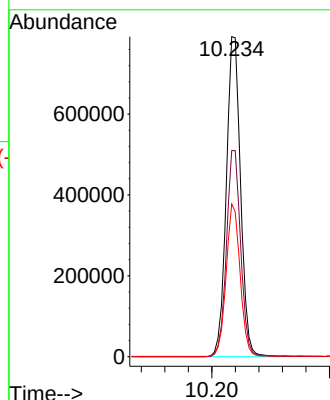
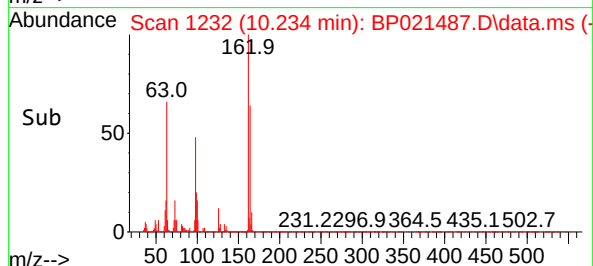
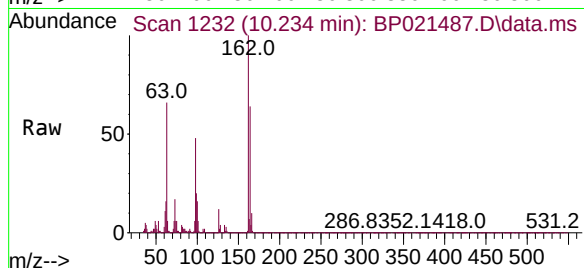
98 47.7 26.3 66.3

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

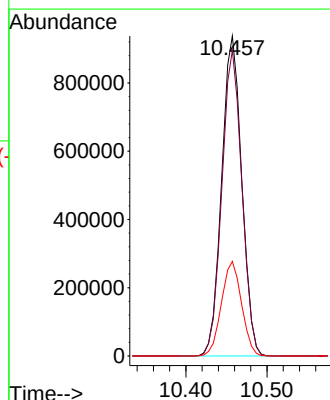
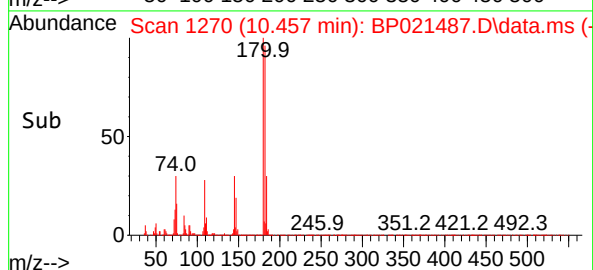
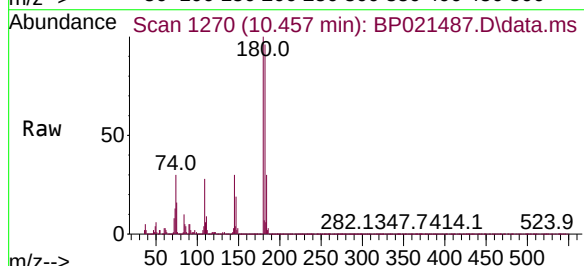
Tgt Ion:180 Resp: 1609924

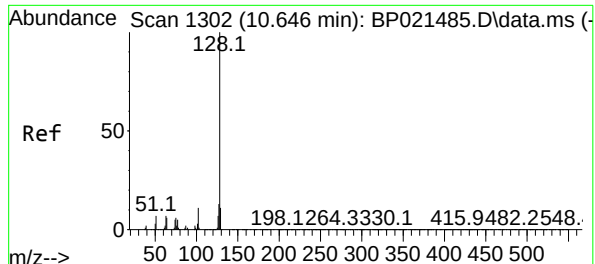
Ion Ratio Lower Upper

180 100

182 95.5 78.3 117.5

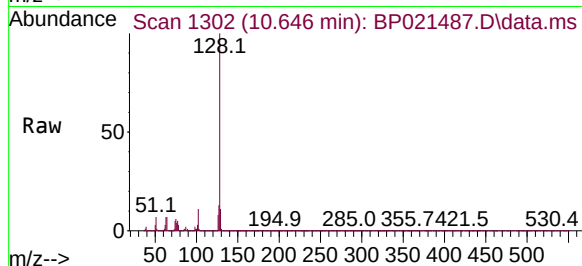
145 29.5 24.0 36.0





#31
Naphthalene
Concen: 60.059 ng
RT: 10.646 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

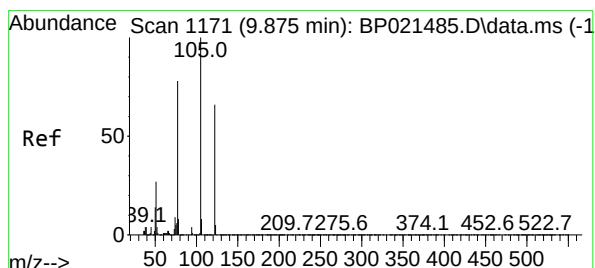
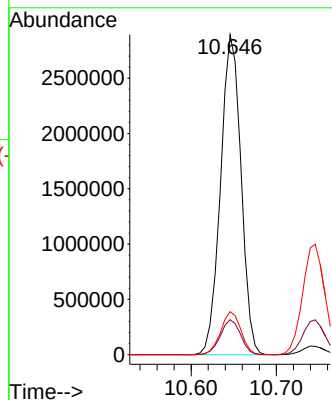
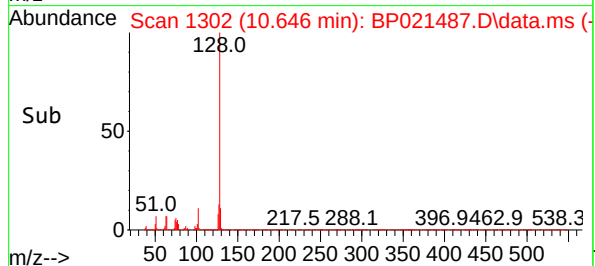
Instrument :
BNA_P
Client Sample Id :
SSTDICC060



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

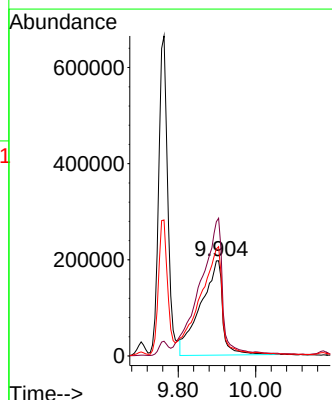
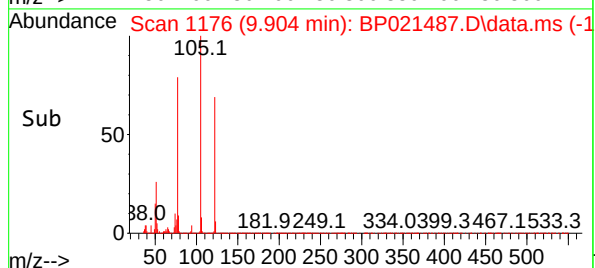
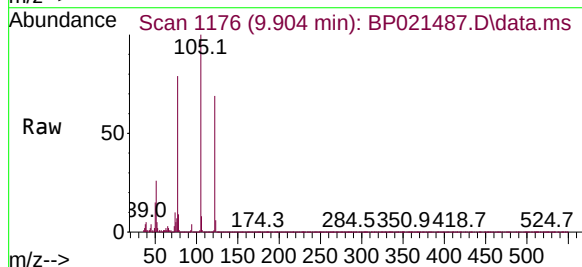
Manual Integrations
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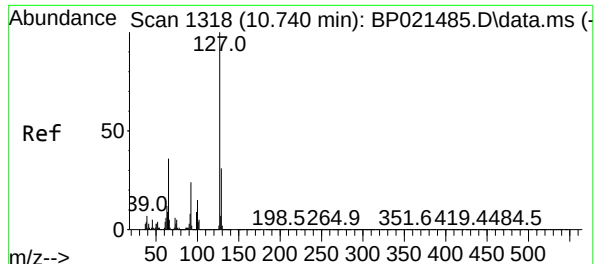
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1318

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

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

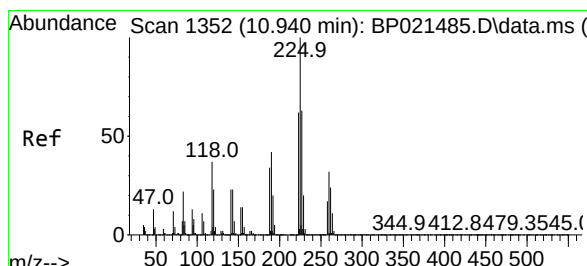
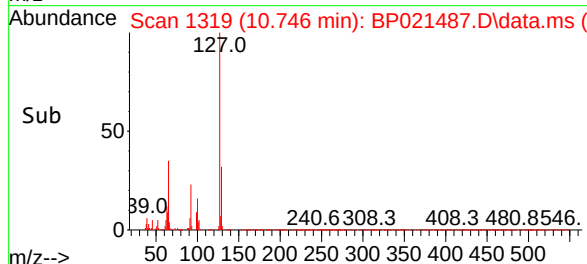
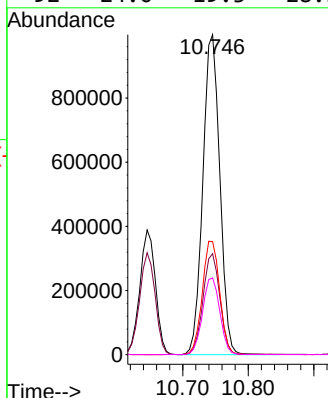
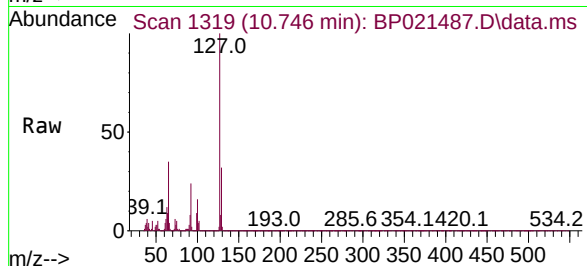
92 24.0 19.3 28.9

Manual Integrations

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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

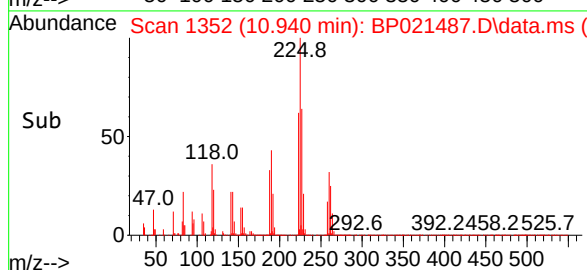
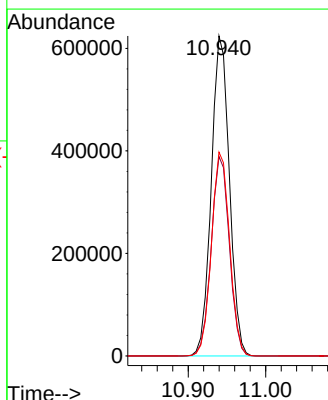
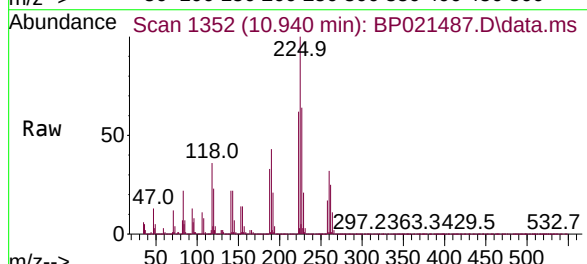
Tgt Ion:225 Resp: 1011679

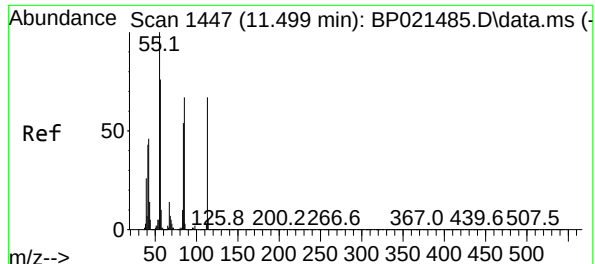
Ion Ratio Lower Upper

225 100

223 62.3 49.6 74.4

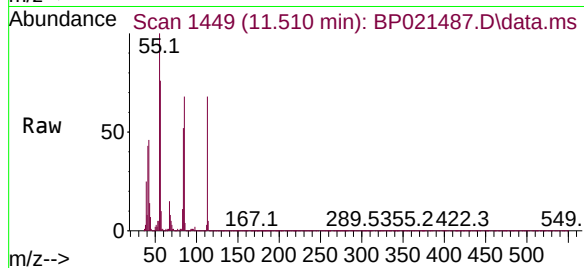
227 63.7 50.1 75.1





#35
Caprolactam
Concen: 61.084 ng
RT: 11.510 min Scan# 1447
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

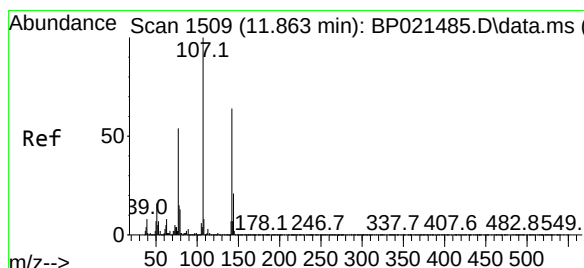
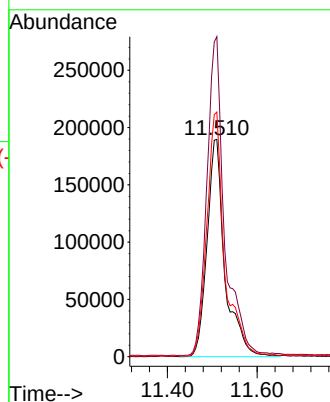
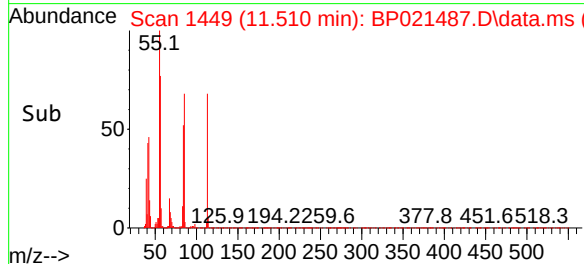
Instrument :
BNA_P
ClientSampleId :
SSTDICC060



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

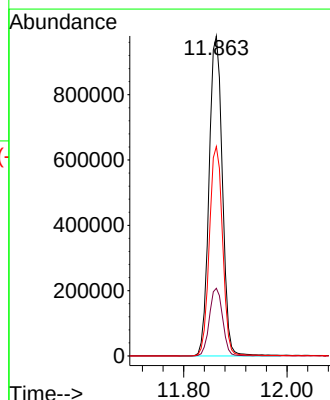
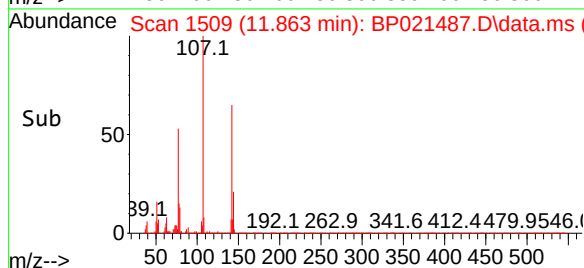
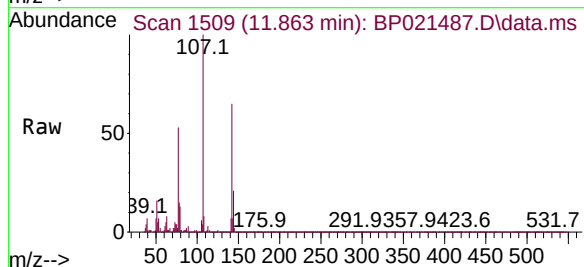
Manual Integrations
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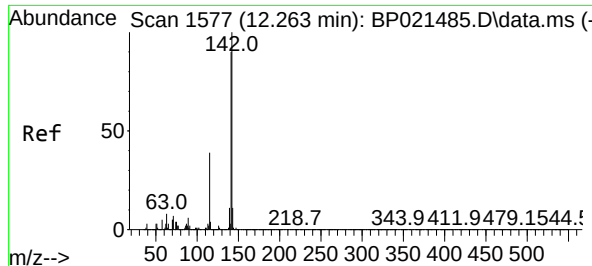
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





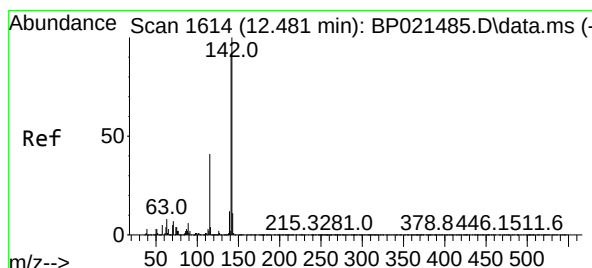
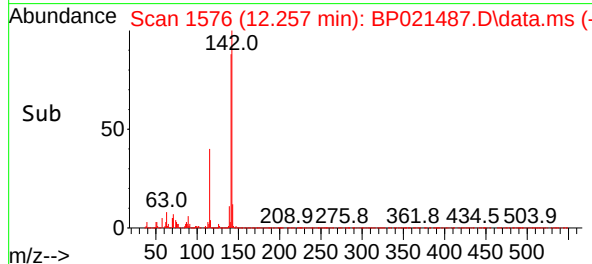
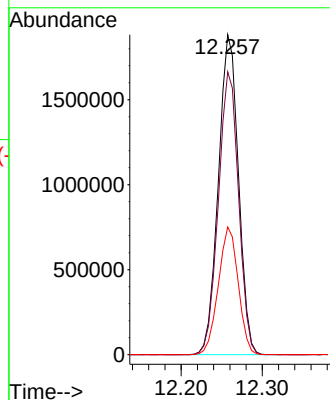
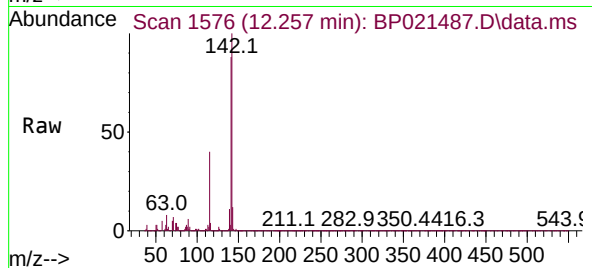
#37
2-Methylnaphthalene
Concen: 59.003 ng
RT: 12.257 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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

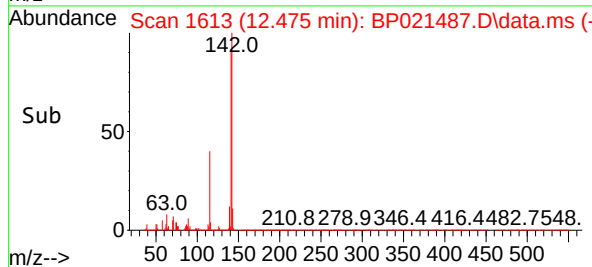
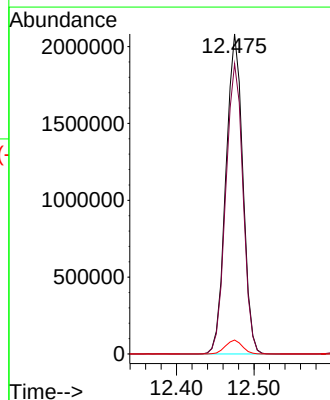
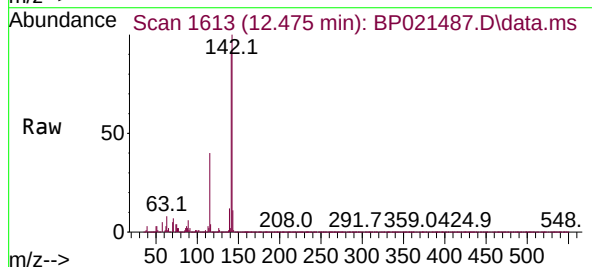
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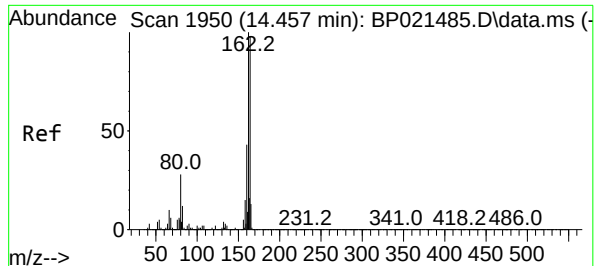
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1950

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

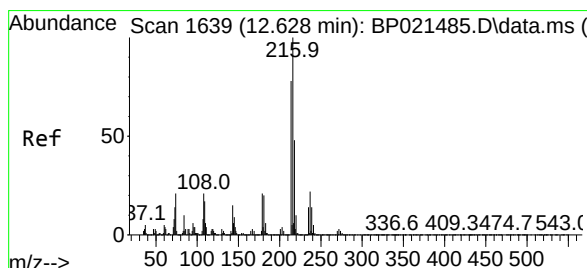
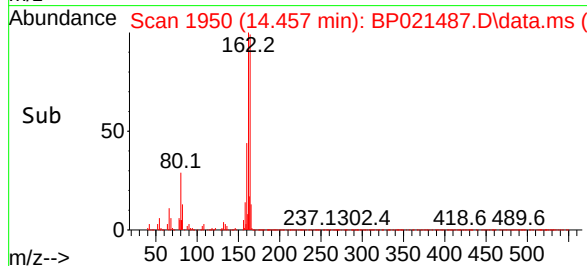
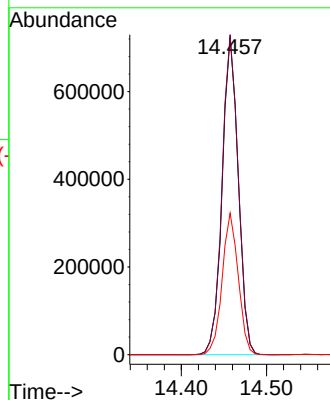
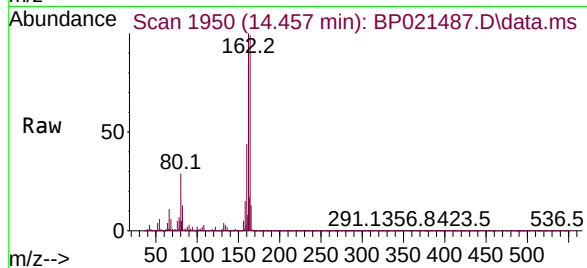
SSTDICC060

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

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

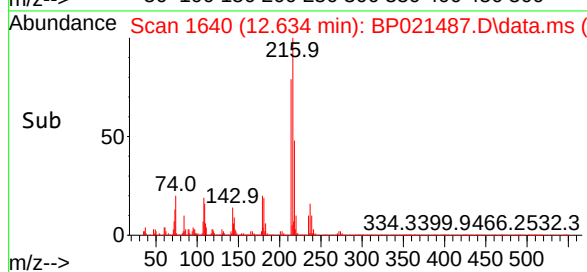
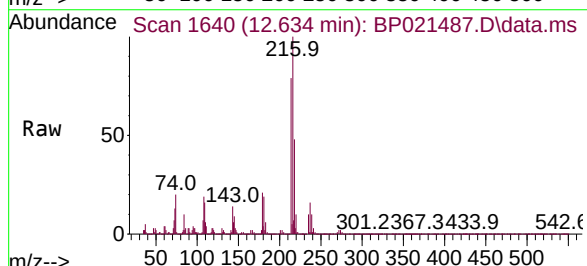
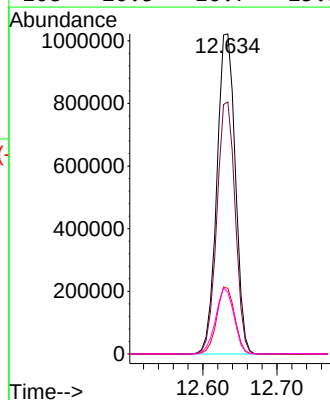
RT: 12.634 min Scan# 1640

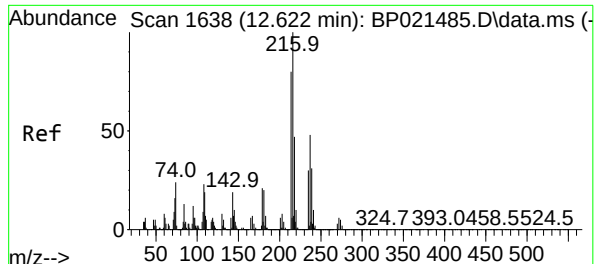
Delta R.T. 0.006 min

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





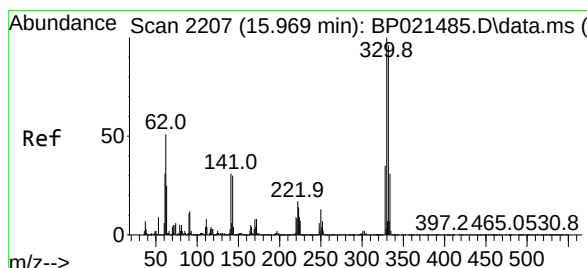
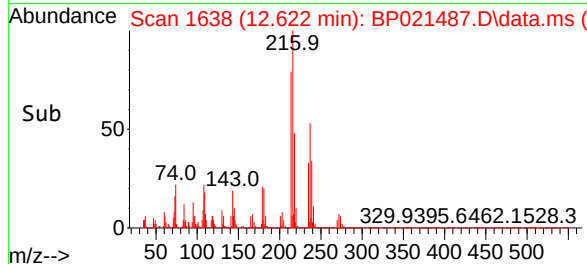
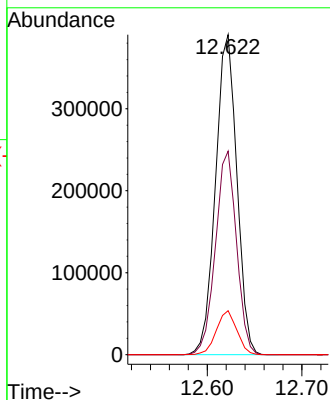
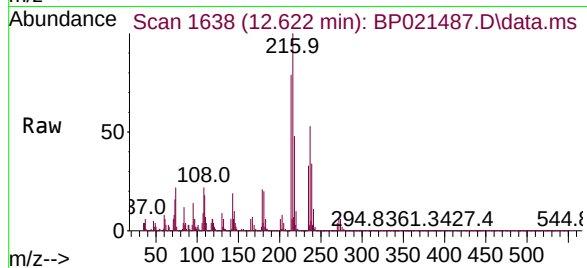
#41
Hexachlorocyclopentadiene
Concen: 69.006 ng
RT: 12.622 min Scan# 1638
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
Client Sample Id :
SSTDICC060

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

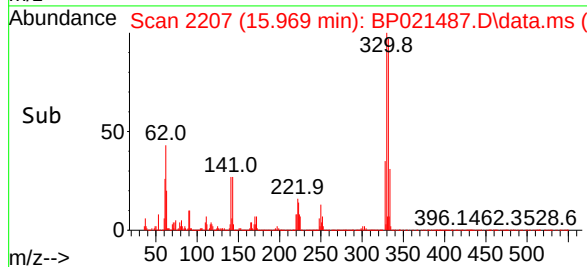
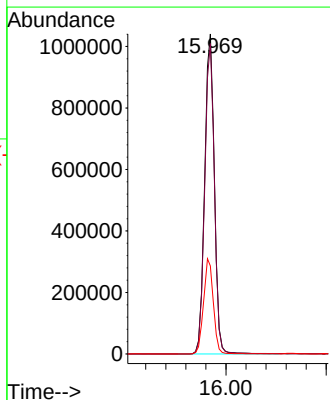
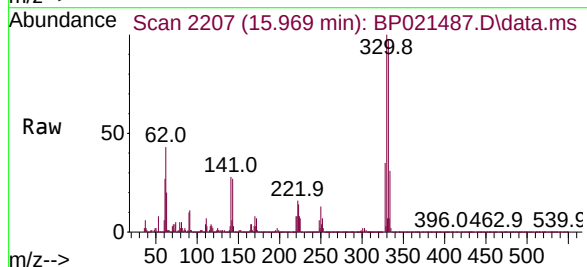
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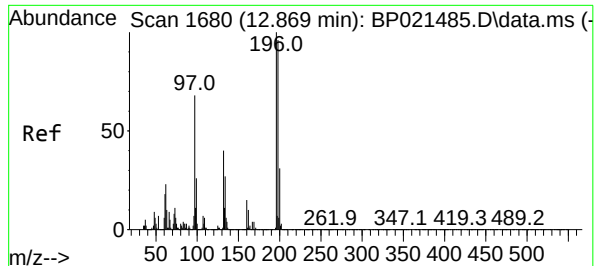
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#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# 1678

Delta R.T. -0.012 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion:196 Resp: 1050099

Ion Ratio Lower Upper

196 100

198 95.3 76.6 114.8

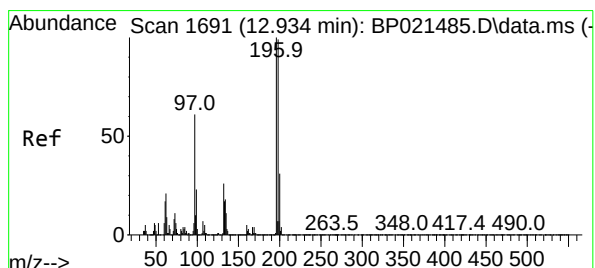
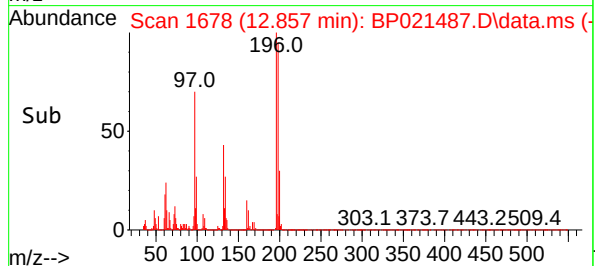
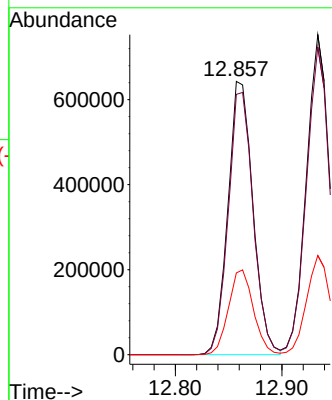
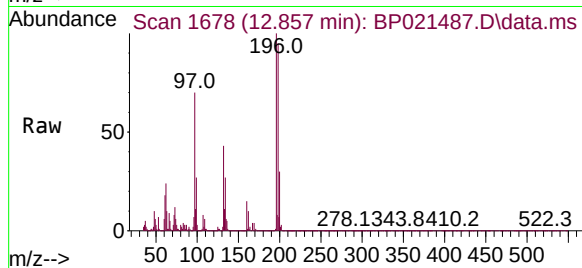
200 29.9 24.5 36.7

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: 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

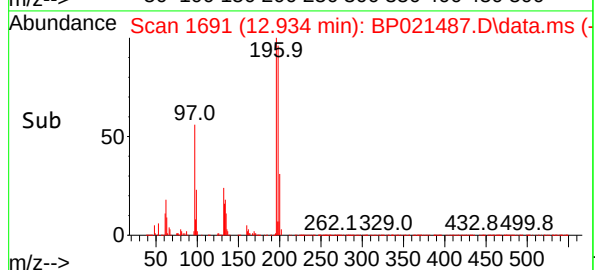
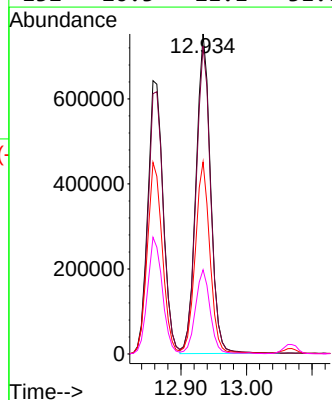
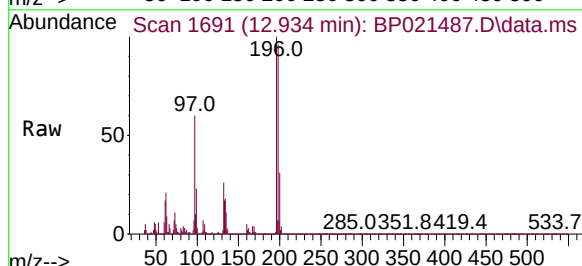
Ion Ratio Lower Upper

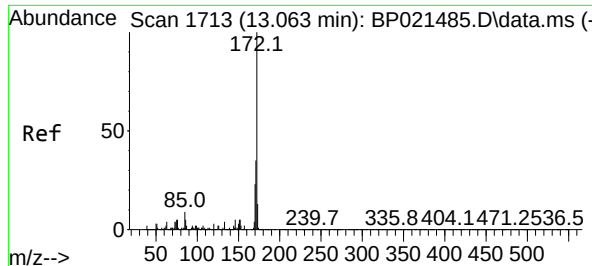
196 100

198 96.1 78.9 118.3

97 60.0 49.4 74.0

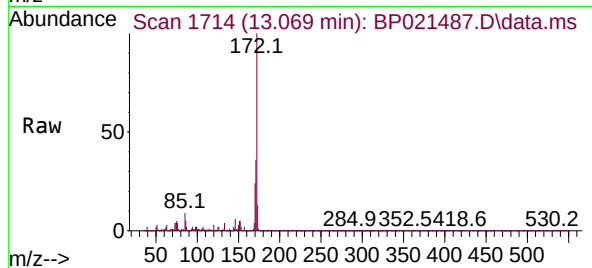
132 26.3 21.1 31.7





#45
2-Fluorobiphenyl
Concen: 119.833 ng
RT: 13.069 min Scan# 1713
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

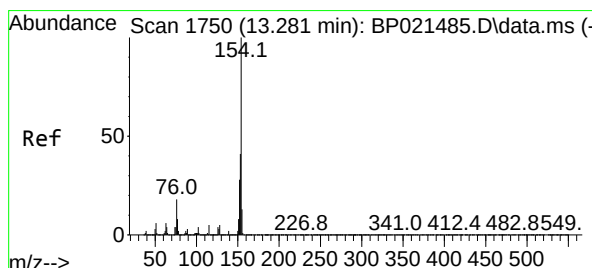
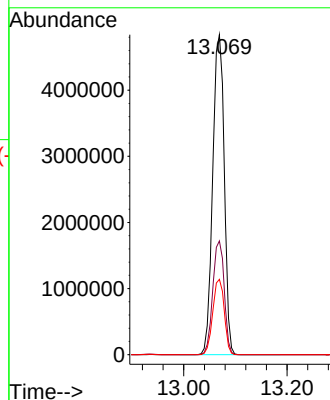
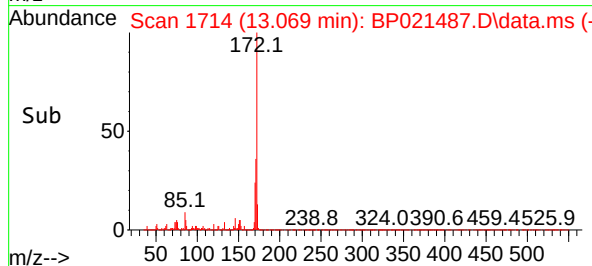
Instrument :
BNA_P
ClientSampleId :
SSTDICC060



Tgt Ion:172 Resp: 7484438
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.4
170 23.5 18.4 27.6

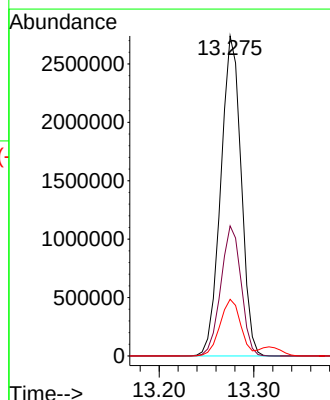
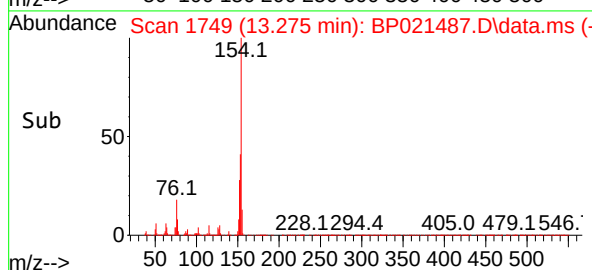
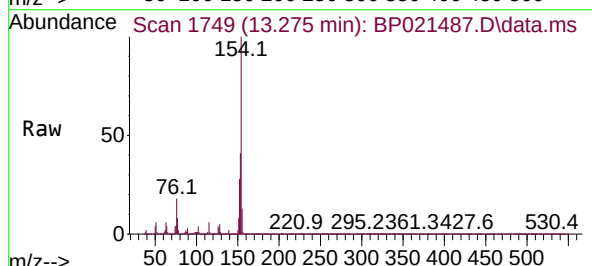
Manual Integrations
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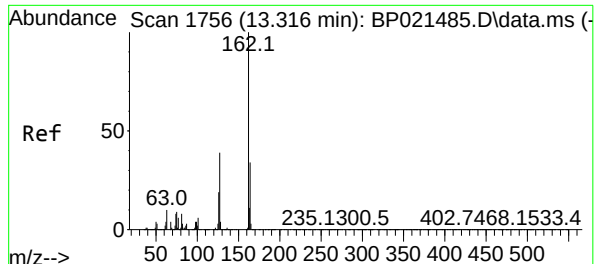
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1756

Delta R.T. -0.000 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 322886

Ion Ratio Lower Upper

162 100

127 40.4 31.9 47.9

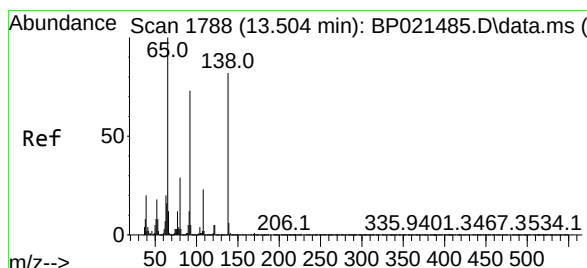
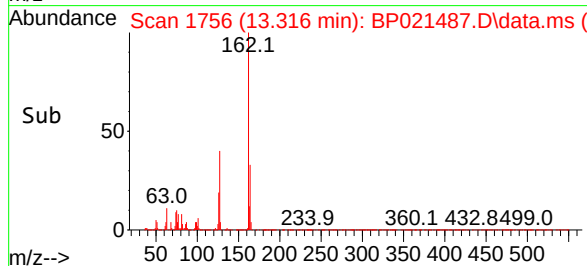
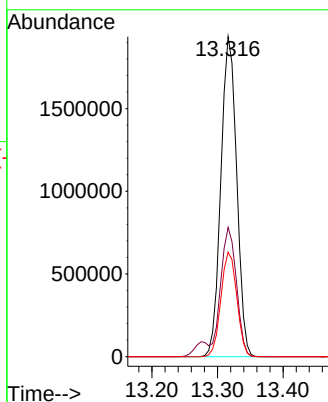
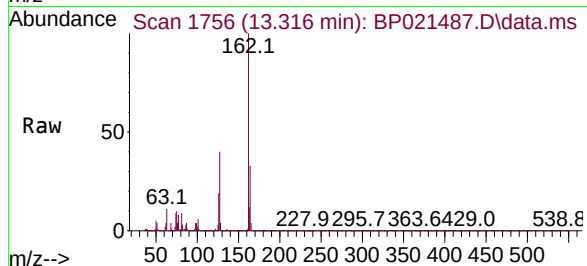
164 32.7 26.8 40.2

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

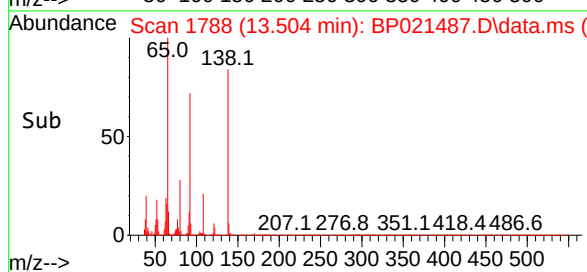
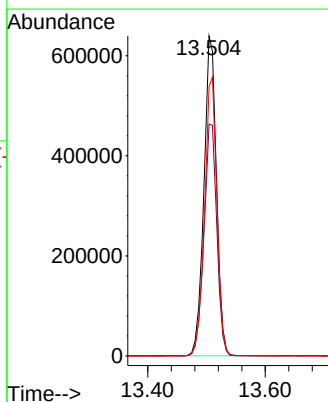
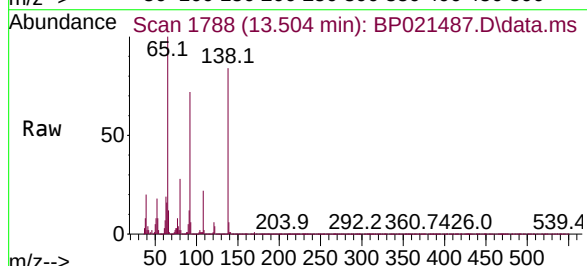
Tgt Ion: 65 Resp: 940456

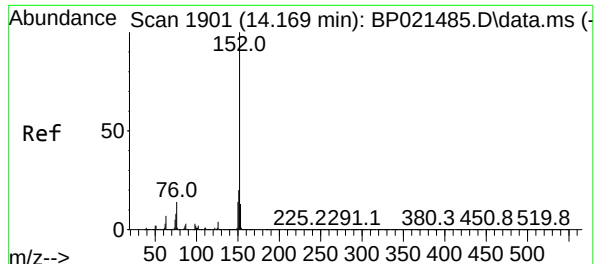
Ion Ratio Lower Upper

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# 1901

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion:152 Resp: 466964

Ion Ratio Lower Upper

152 100

151 20.1 15.9 23.9

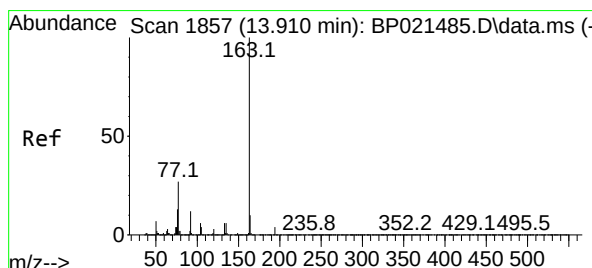
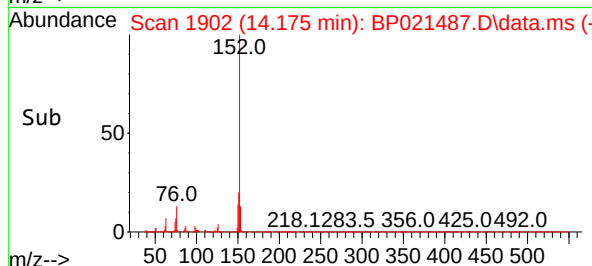
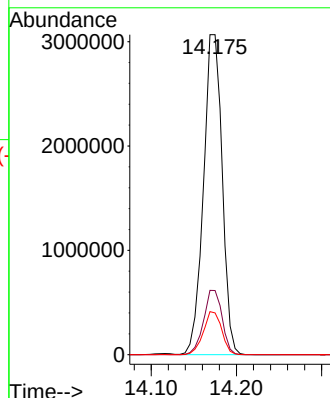
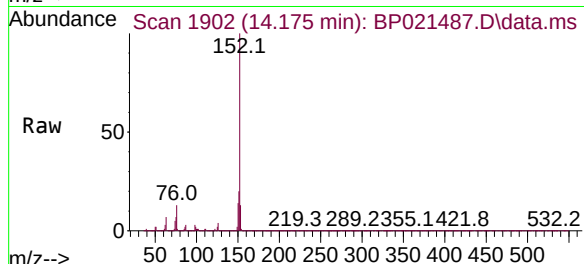
153 13.1 10.6 16.0

Manual Integrations

APPROVED

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

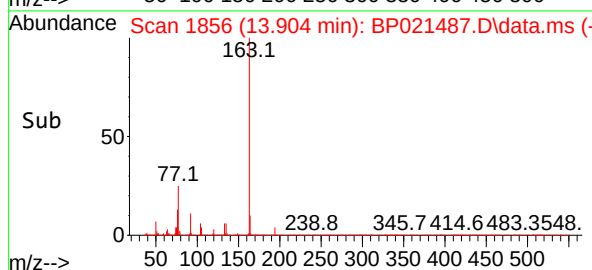
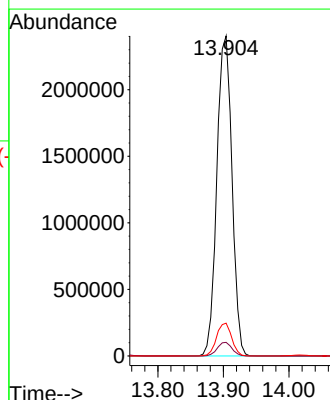
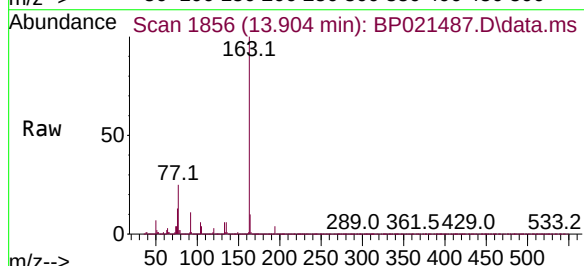
Tgt Ion:163 Resp: 3832687

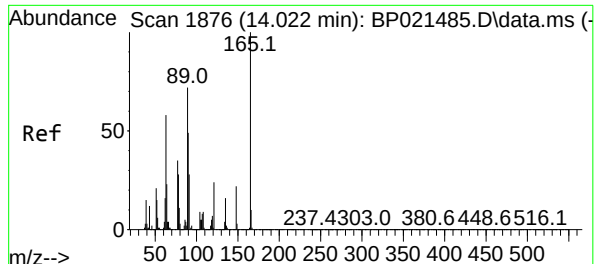
Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

164 10.2 8.3 12.5





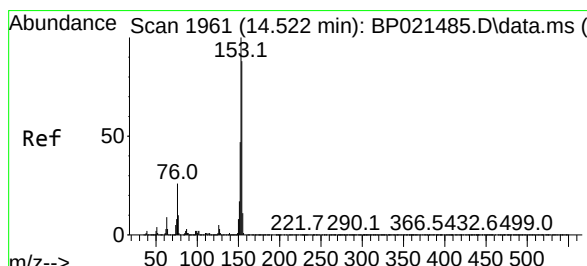
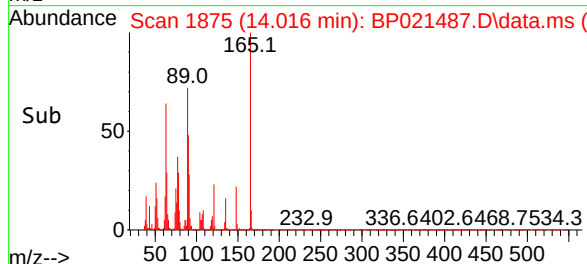
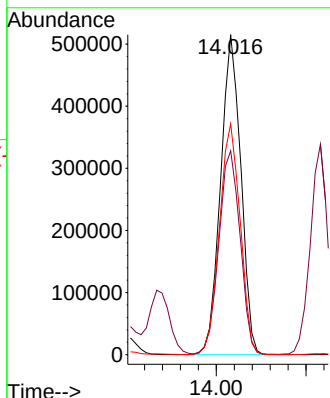
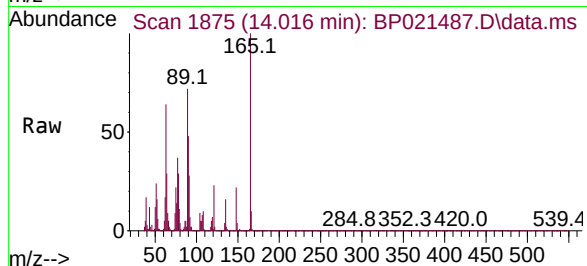
#51
2,6-Dinitrotoluene
Concen: 61.336 ng
RT: 14.016 min Scan# 1875
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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

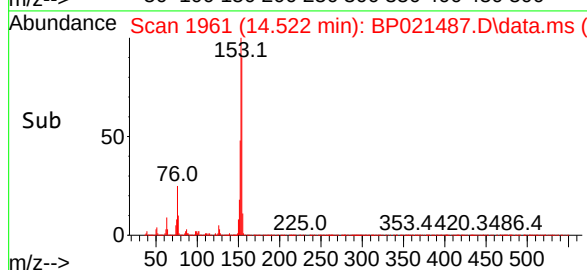
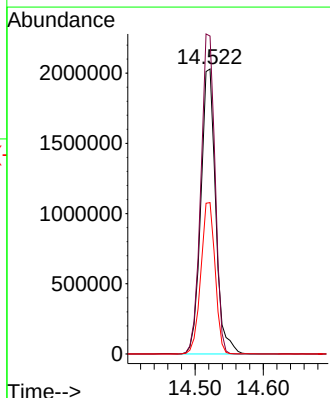
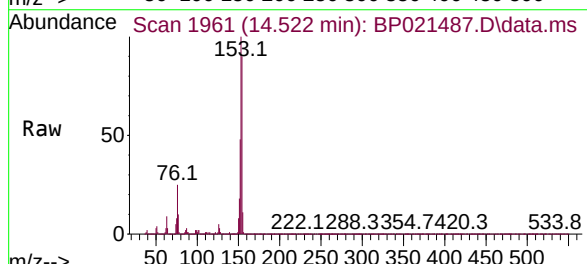
Manual Integrations
APPROVED

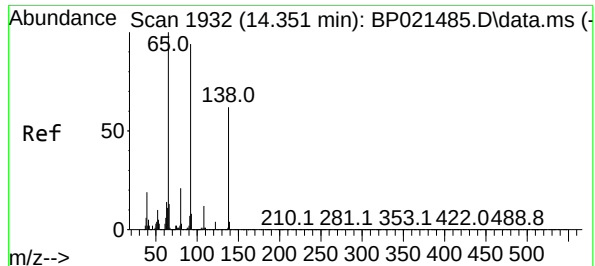
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





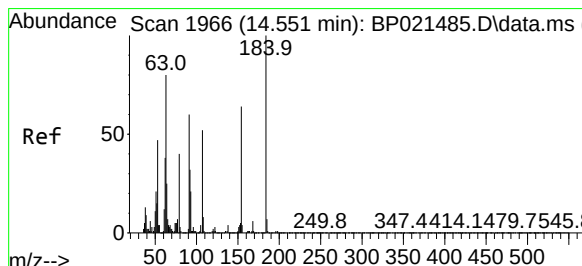
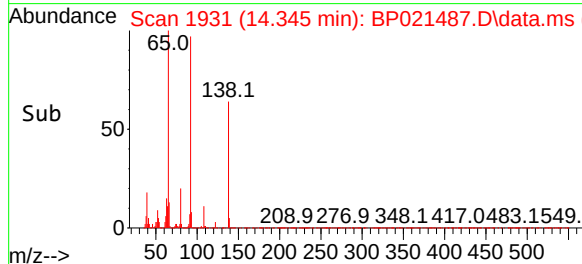
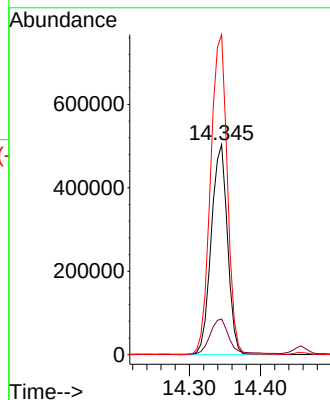
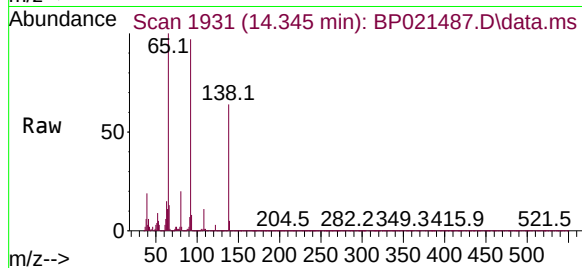
#53
3-Nitroaniline
Concen: 61.781 ng
RT: 14.345 min Scan# 1931
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

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

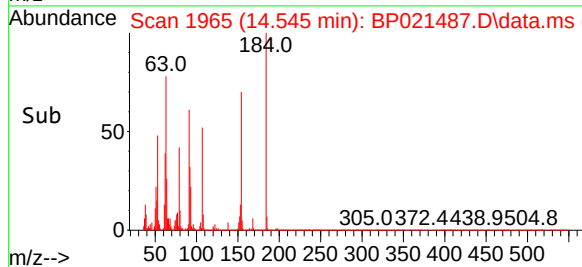
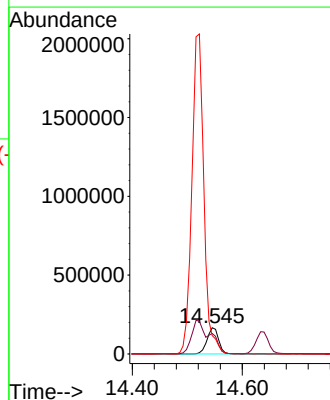
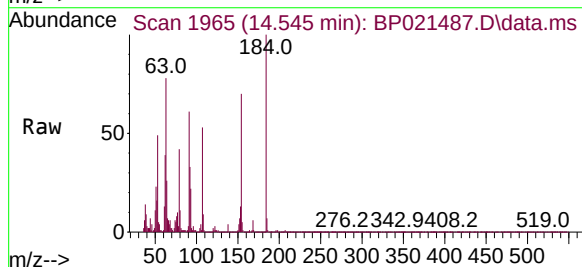
Manual Integrations
APPROVED

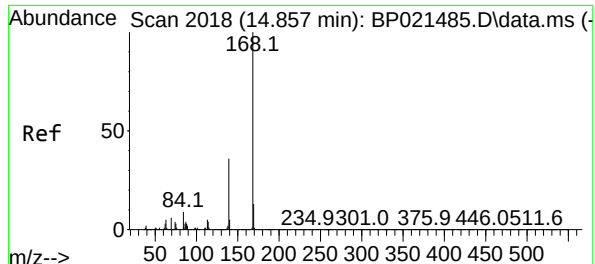
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

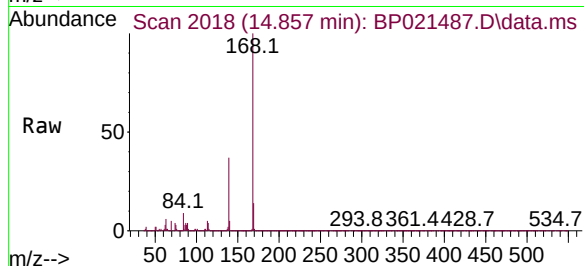
Tgt Ion:184 Resp: 242951
Ion Ratio Lower Upper
184 100
63 77.9 64.9 97.3
154 70.2 52.1 78.1





#55
Dibenzenofuran
Concen: 58.970 ng
RT: 14.857 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

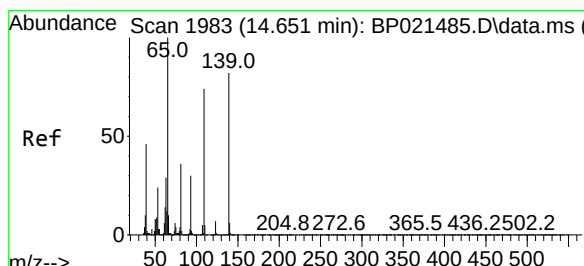
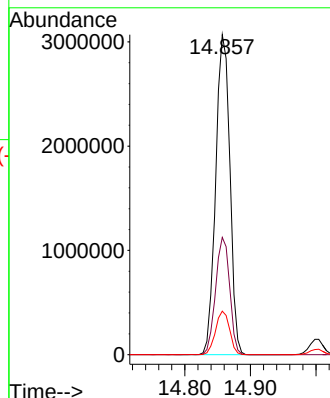
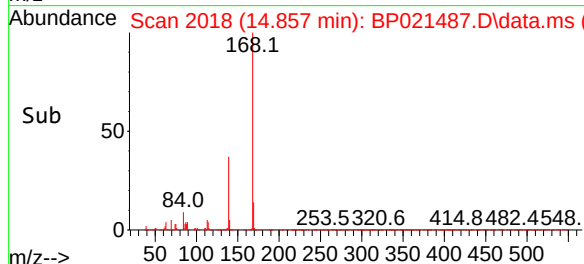
Instrument :
BNA_P
ClientSampleId :
SSTDICC060



Tgt Ion:168 Resp: 4594089
Ion Ratio Lower Upper
168 100
139 36.7 28.6 43.0
169 13.6 10.6 16.0

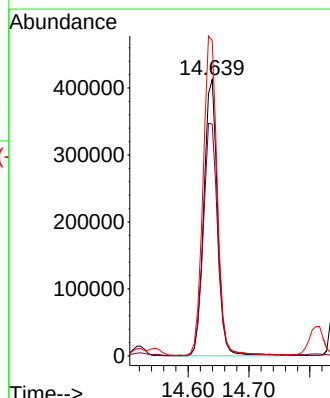
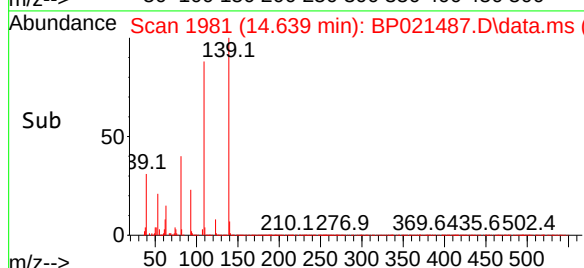
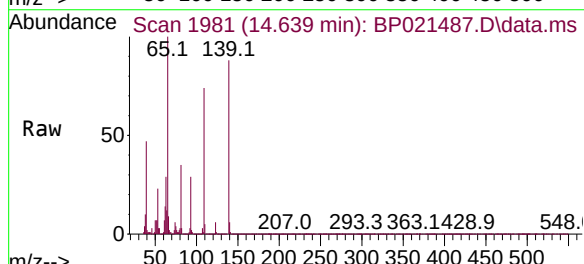
Manual Integrations
APPROVED

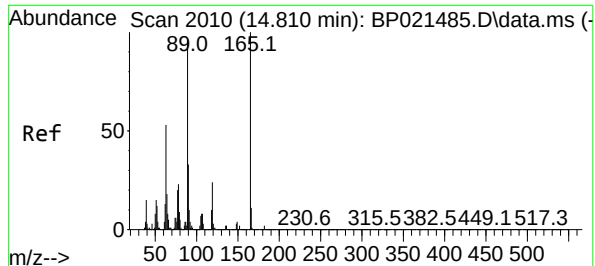
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

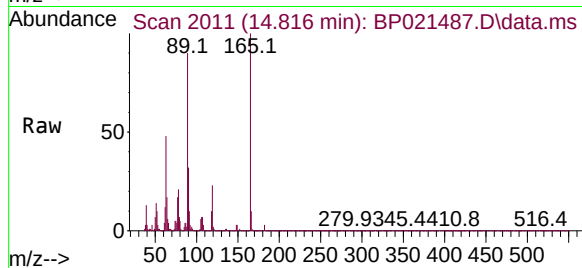
Tgt Ion:139 Resp: 644221
Ion Ratio Lower Upper
139 100
109 83.8 70.2 110.2
65 114.0 101.8 141.8





#57
2,4-Dinitrotoluene
Concen: 61.548 ng
RT: 14.816 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

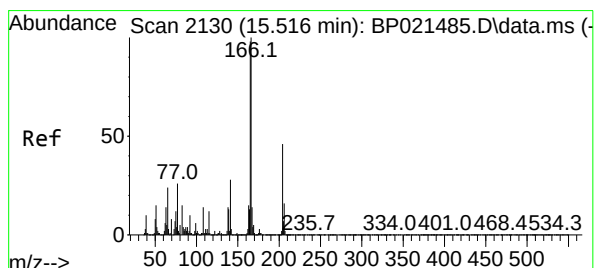
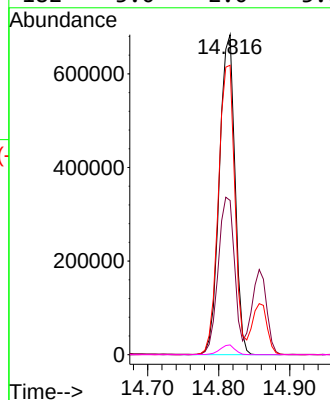
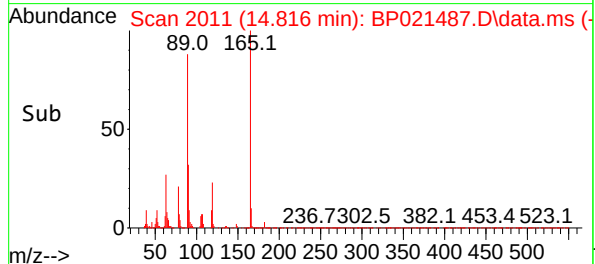
Instrument :
BNA_P
Client Sample Id :
SSTDICC060



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#

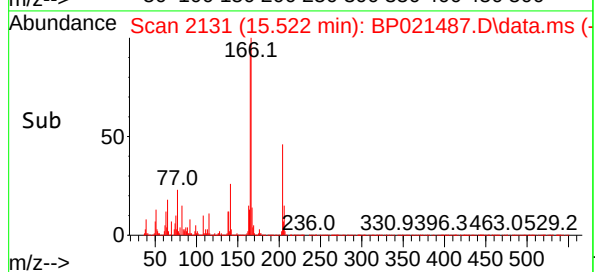
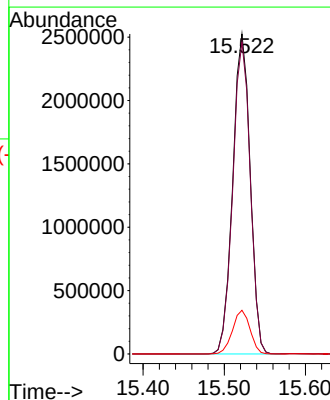
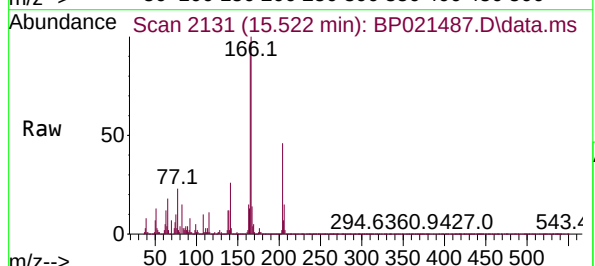
Manual Integrations
APPROVED

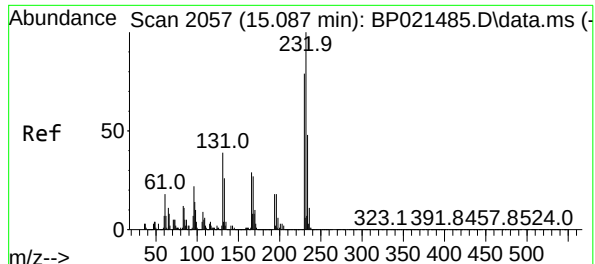
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

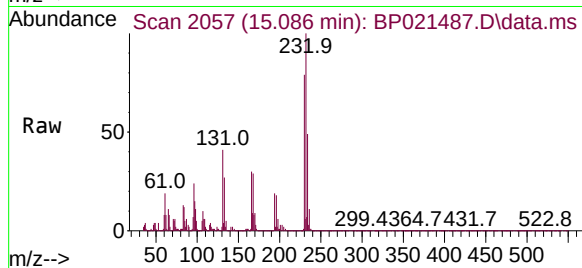
Tgt Ion:166 Resp: 3759913
Ion Ratio Lower Upper
166 100
165 97.4 78.1 117.1
167 13.6 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 66.550 ng
RT: 15.086 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

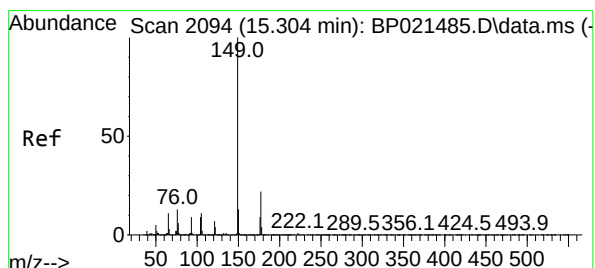
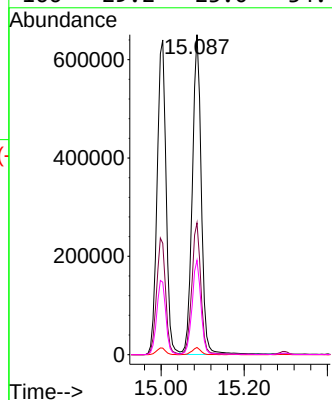
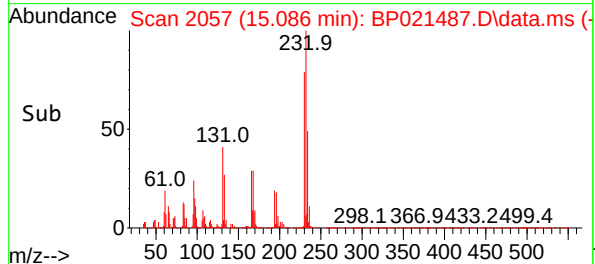
Instrument :
BNA_P
ClientSampleId :
SSTDICC060



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

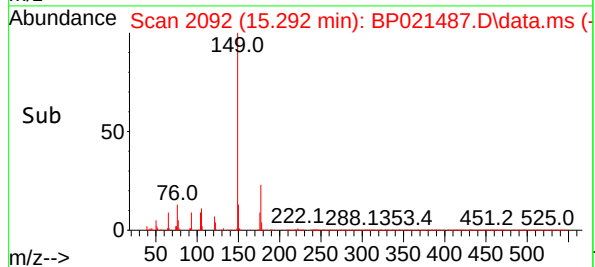
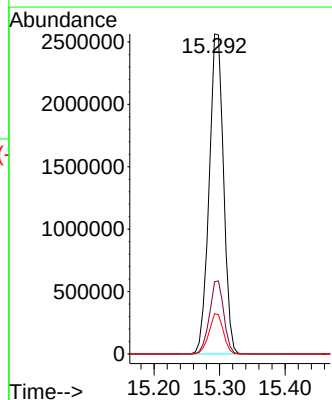
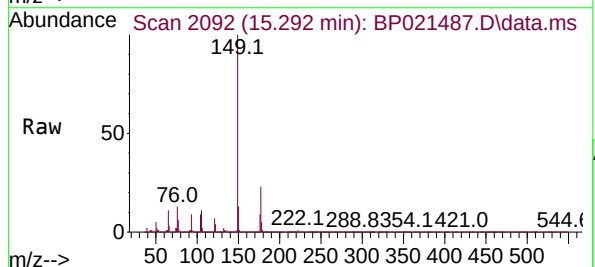
Manual Integrations
APPROVED

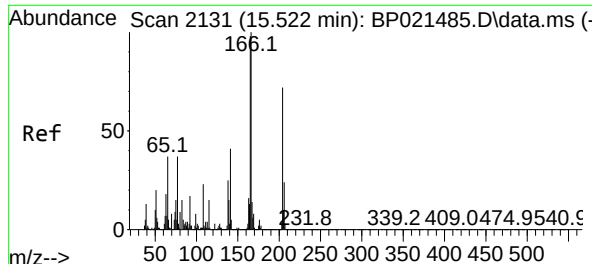
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

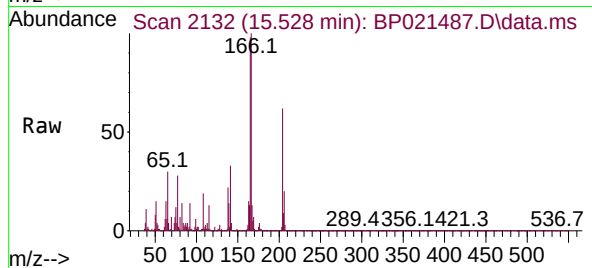
Tgt Ion:149 Resp: 3911032
Ion Ratio Lower Upper
149 100
177 22.6 17.8 26.8
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 58.814 ng
RT: 15.528 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

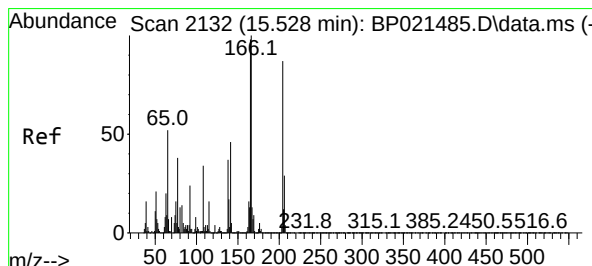
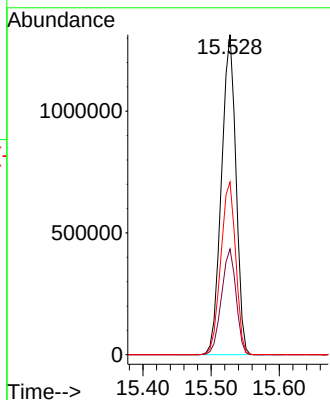
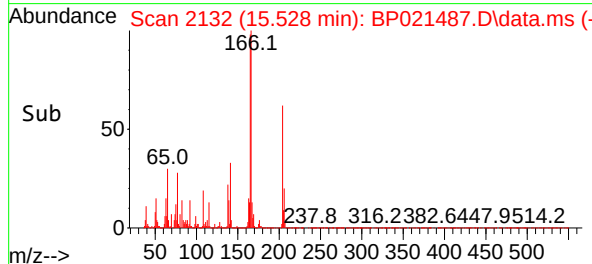
Instrument :
BNA_P
ClientSampleId :
SSTDICC060



Tgt Ion:204 Resp: 1945714
Ion Ratio Lower Upper
204 100
206 33.0 26.4 39.6
141 53.9 46.1 69.1

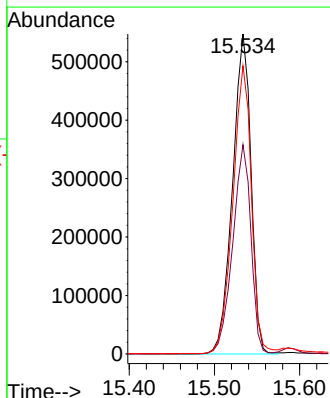
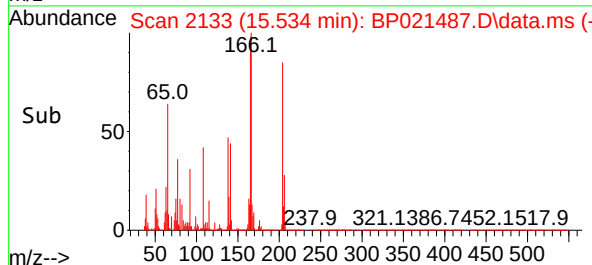
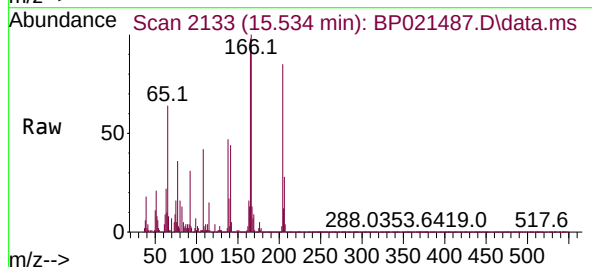
Manual Integrations
APPROVED

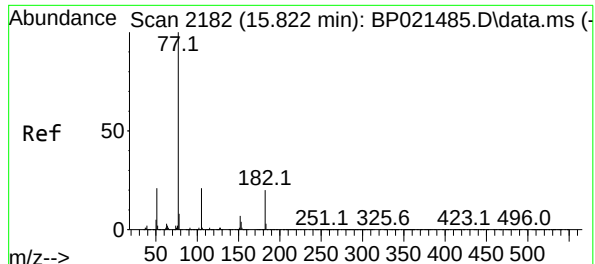
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

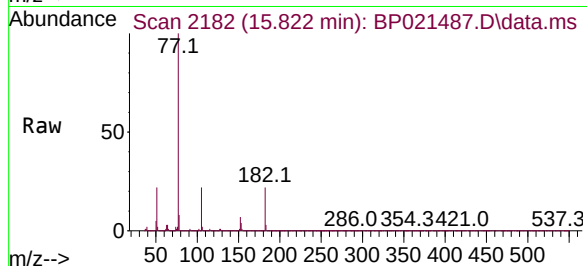
Tgt Ion:138 Resp: 824354
Ion Ratio Lower Upper
138 100
92 65.4 46.4 86.4
108 90.0 73.2 113.2





#63
Azobenzene
Concen: 58.524 ng
RT: 15.822 min Scan# 2182
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

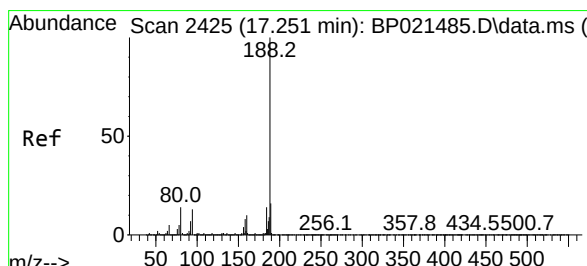
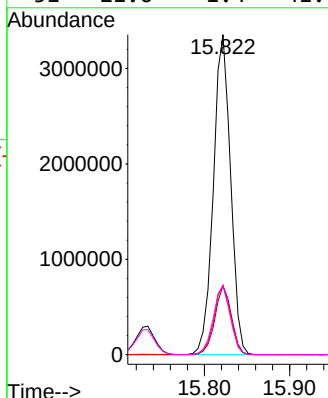
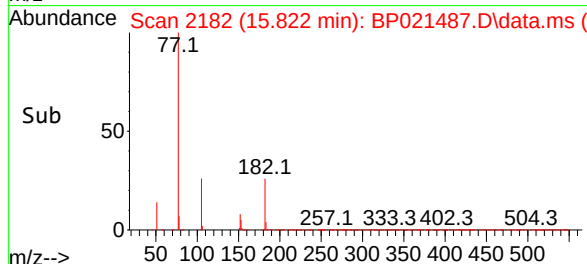
Instrument :
BNA_P
ClientSampleId :
SSTDICC060



Tgt Ion: 77 Resp: 4711824
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

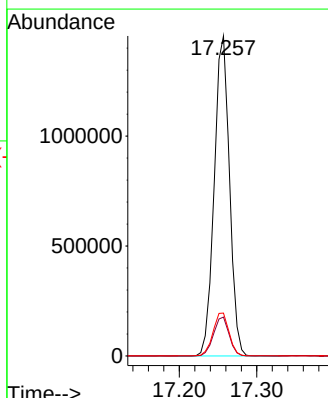
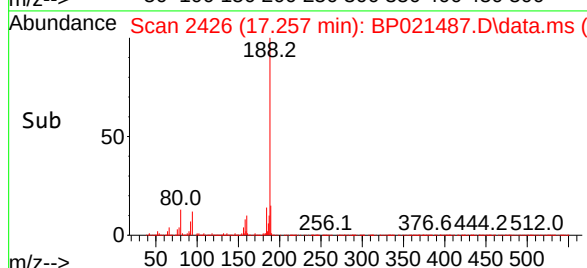
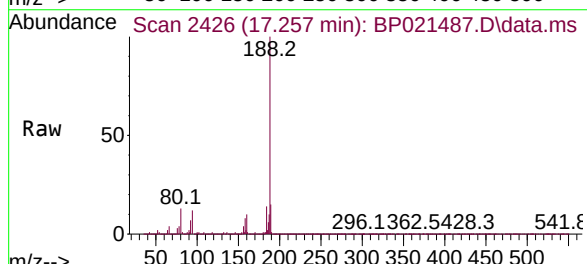
Manual Integrations
APPROVED

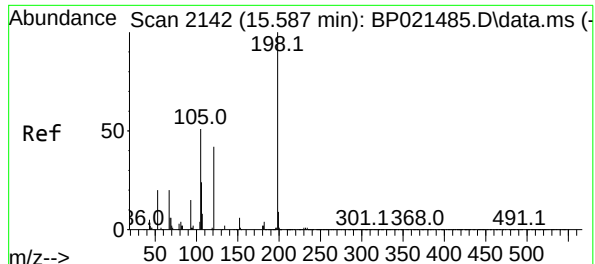
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





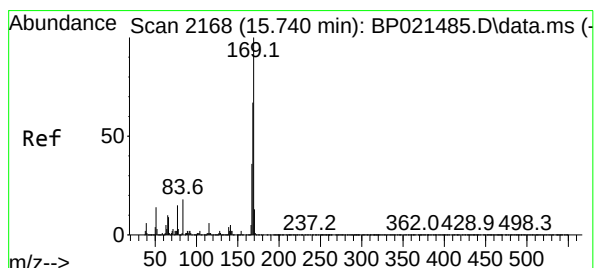
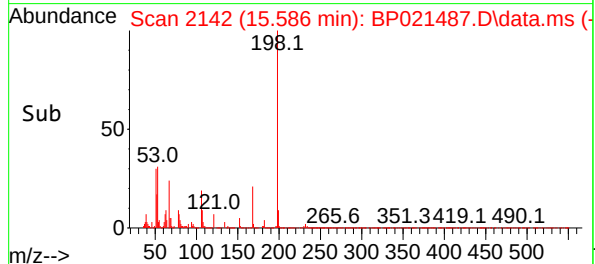
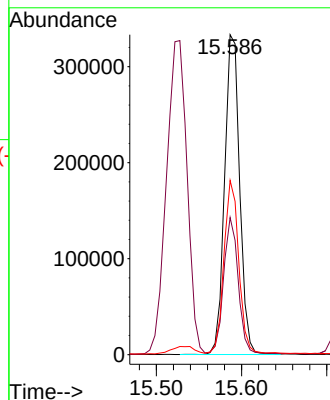
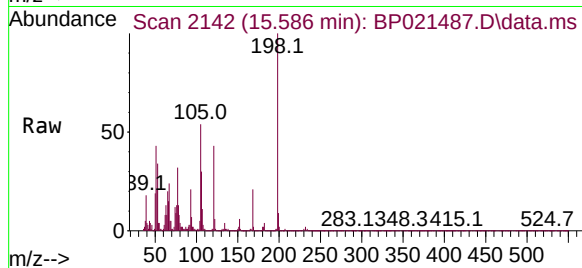
#65
4,6-Dinitro-2-methylphenol
Concen: 61.846 ng
RT: 15.586 min Scan# 2142
Delta R.T. -0.001 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 410090
Ion Ratio Lower Upper
198 100
51 42.9 21.5 61.5
105 54.5 32.9 72.9

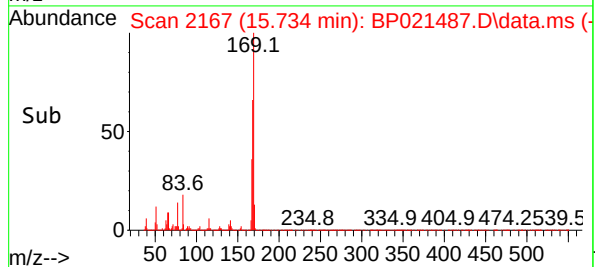
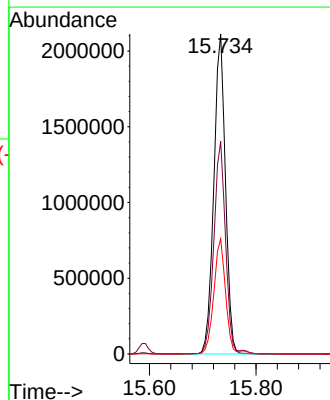
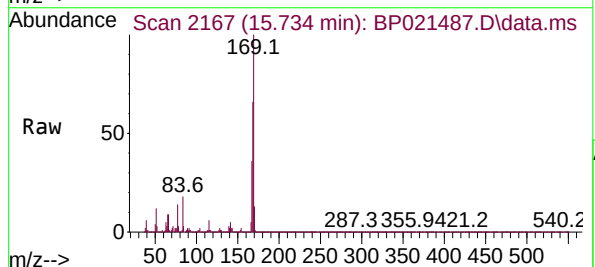
Manual Integrations
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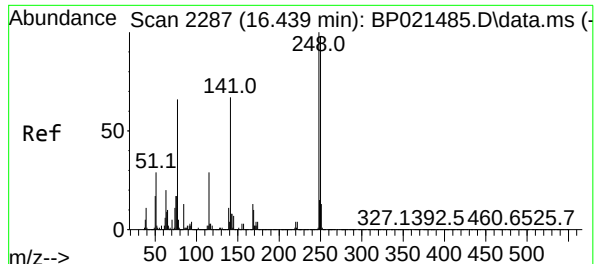
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 2287

Delta R.T. -0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion:248 Resp: 128604

Ion Ratio Lower Upper

248 100

250 98.4 78.6 117.8

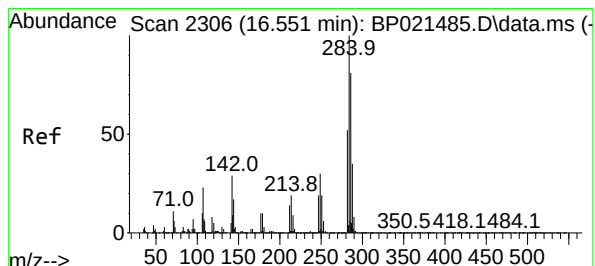
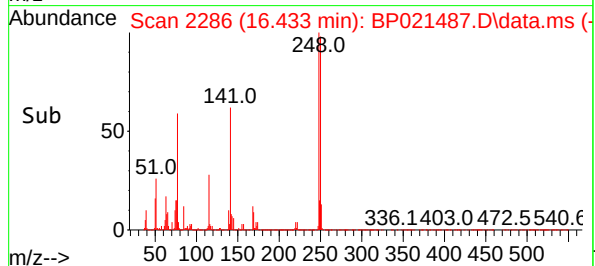
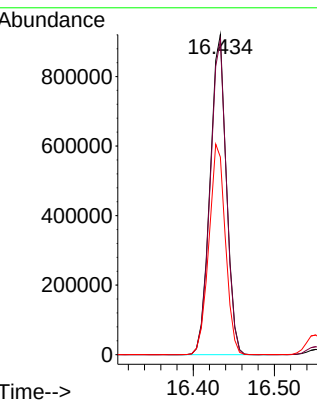
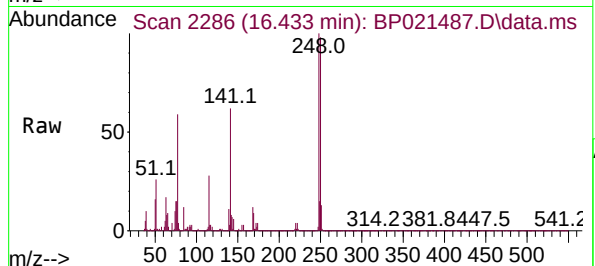
141 61.7 53.9 80.9

Manual Integrations

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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

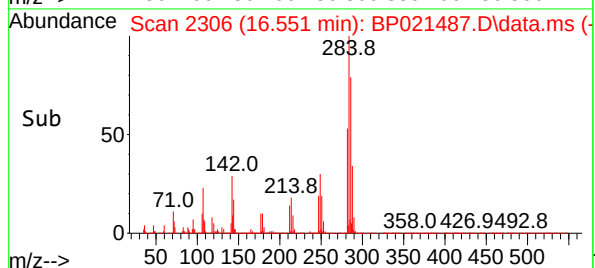
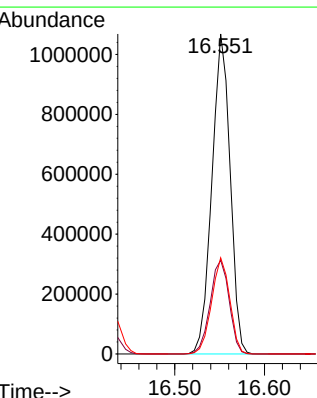
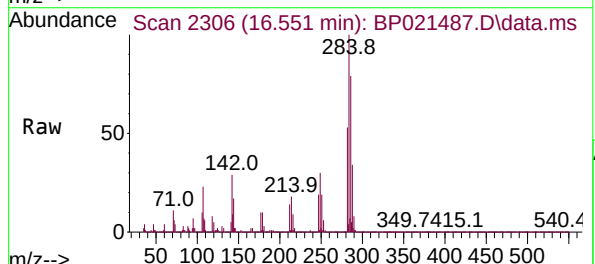
Tgt Ion:284 Resp: 1505847

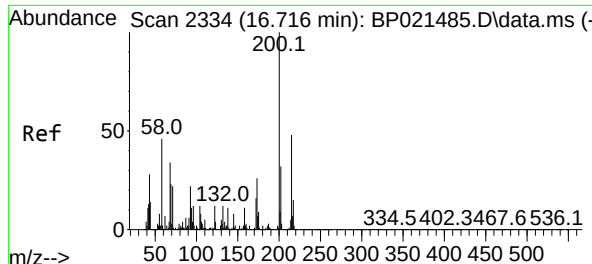
Ion Ratio Lower Upper

284 100

142 29.3 23.4 35.2

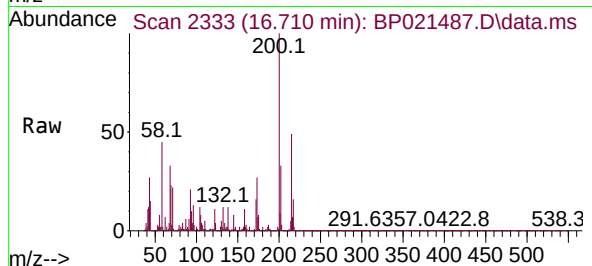
249 30.1 24.1 36.1





#69
Atrazine
Concen: 59.397 ng
RT: 16.710 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

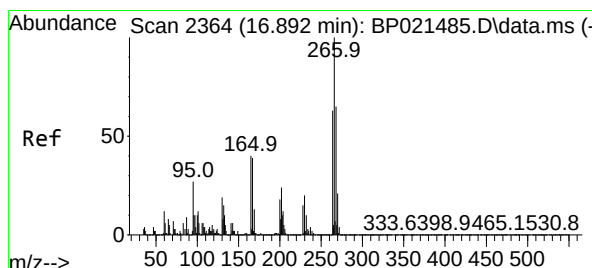
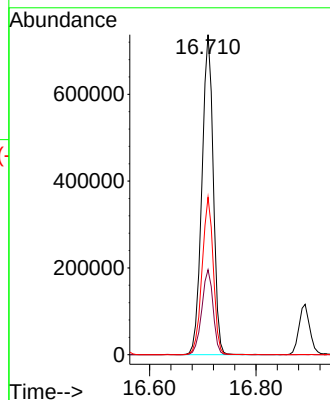
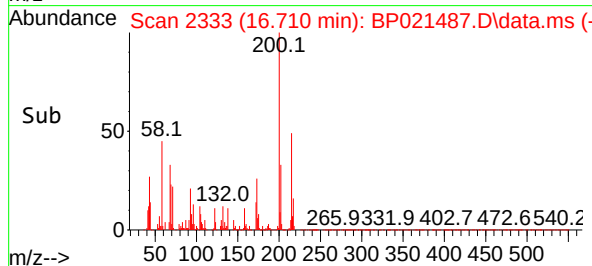
Instrument :
BNA_P
ClientSampleId :
SSTDICC060



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

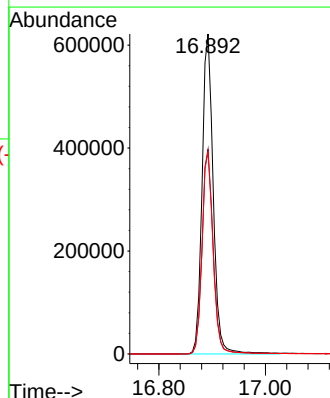
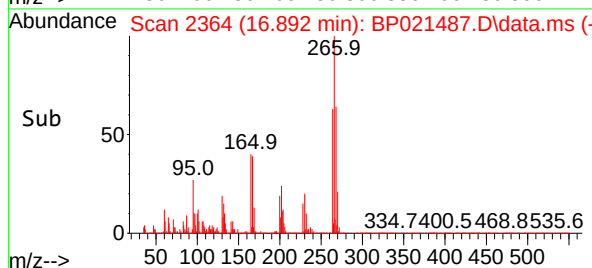
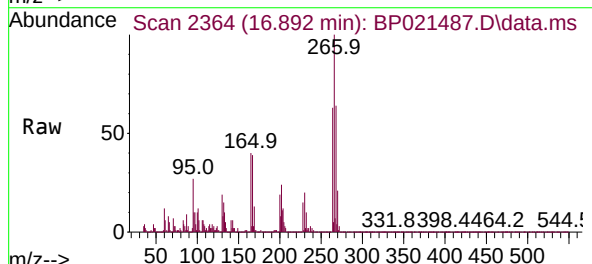
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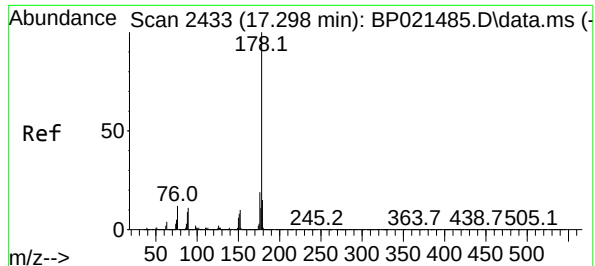
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

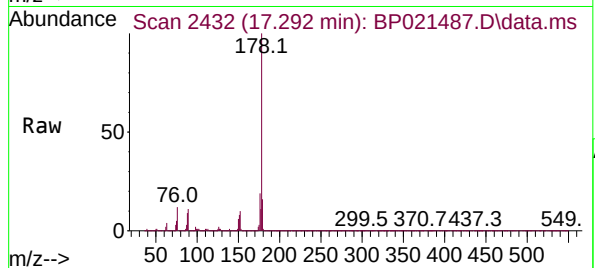
Tgt Ion:266 Resp: 899879
Ion Ratio Lower Upper
266 100
268 63.9 51.8 77.6
264 63.1 50.5 75.7





#71
Phenanthrene
Concen: 59.366 ng
RT: 17.292 min Scan# 2433
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

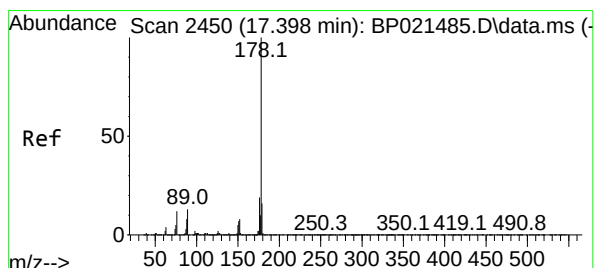
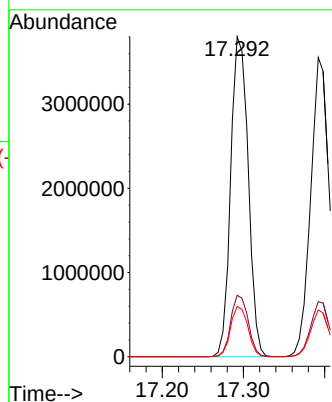
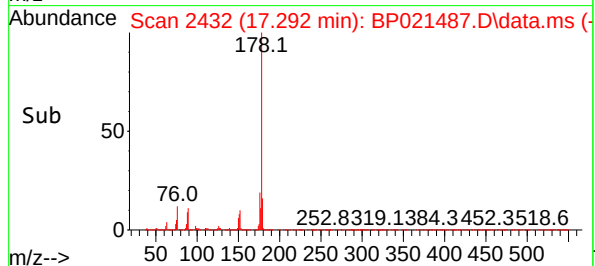
Instrument :
BNA_P
ClientSampleId :
SSTDICC060



Tgt Ion:178 Resp: 5685784
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.7 12.4 18.6

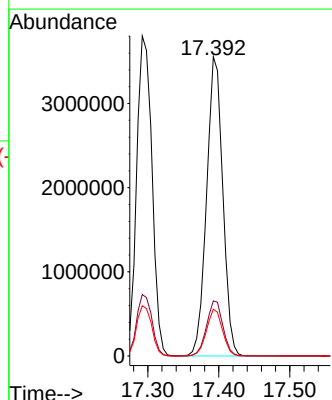
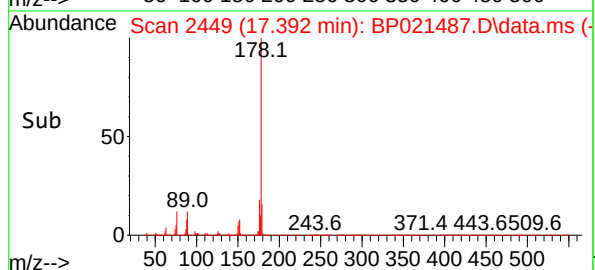
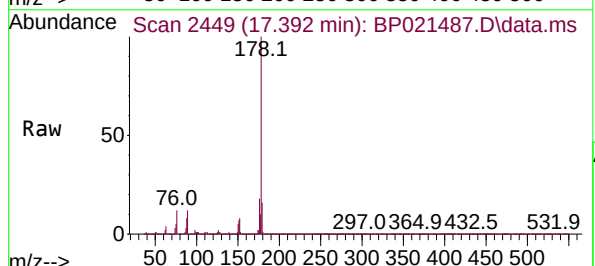
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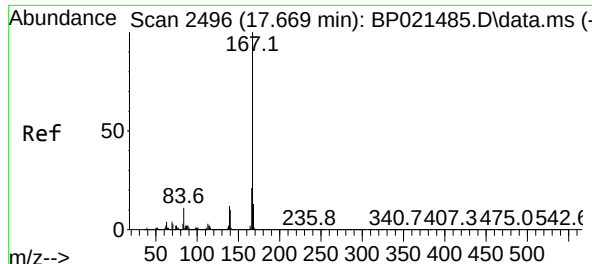
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

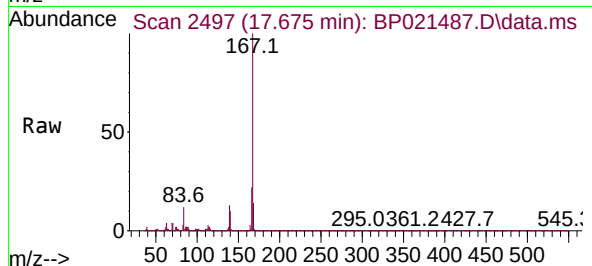
Tgt Ion:178 Resp: 5636907
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 15.6 12.5 18.7





#73
Carbazole
Concen: 60.260 ng
RT: 17.675 min Scan# 2497
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

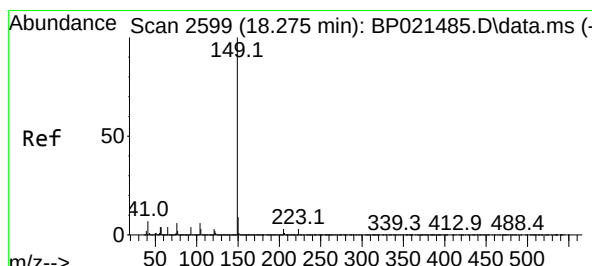
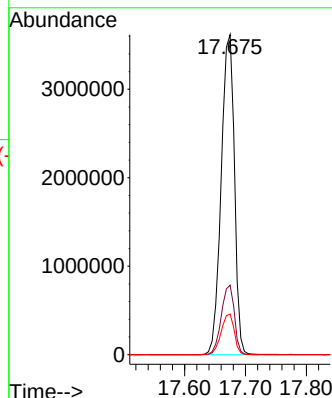
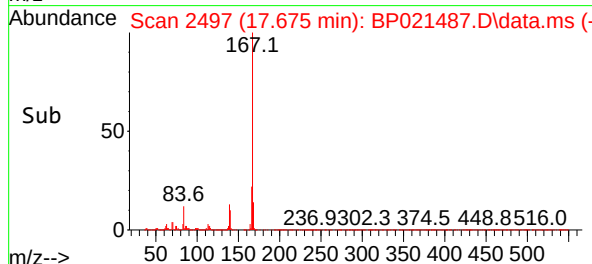
Instrument :
BNA_P
ClientSampleId :
SSTDICC060



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

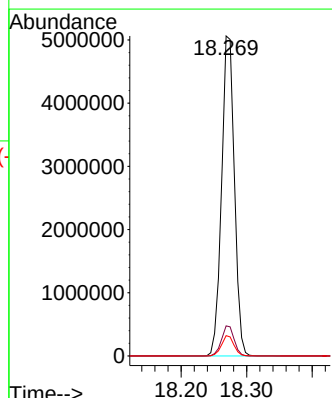
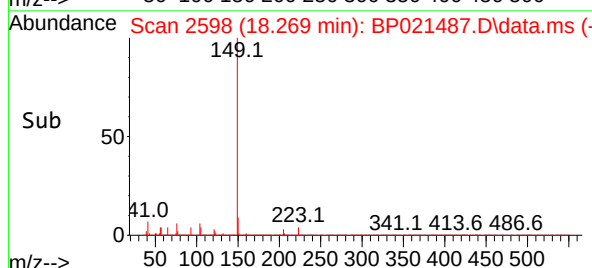
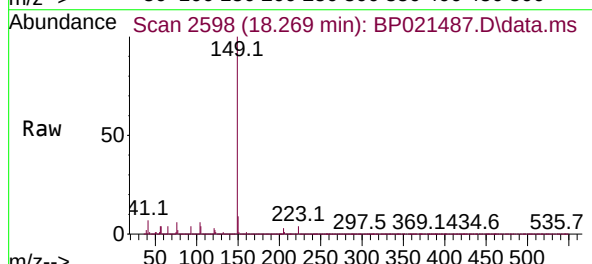
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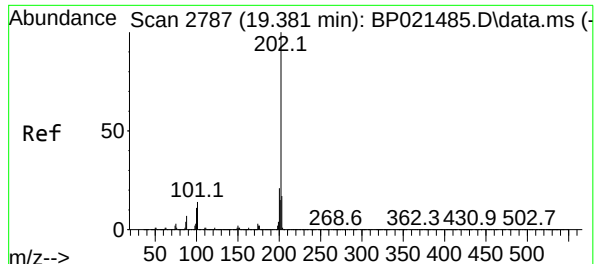
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

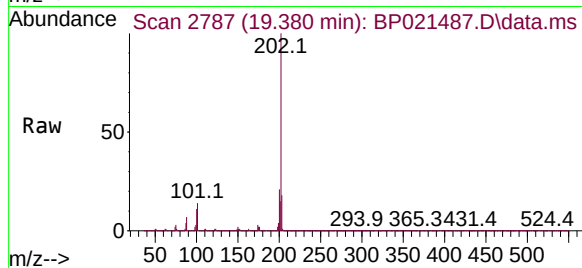
Tgt Ion:149 Resp: 6834417
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 6.4 4.9 7.3





#75
Fluoranthene
Concen: 59.949 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

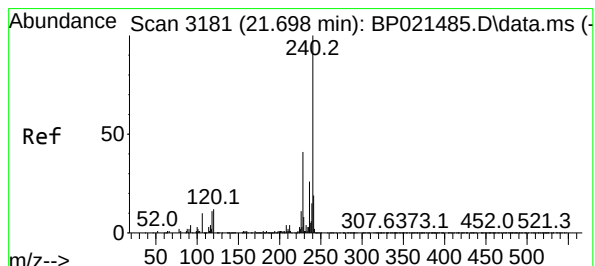
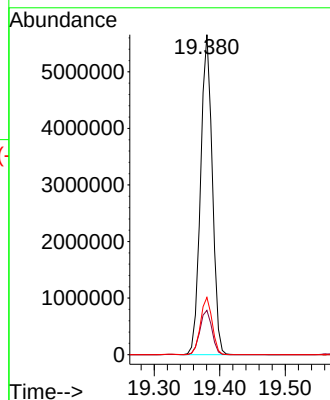
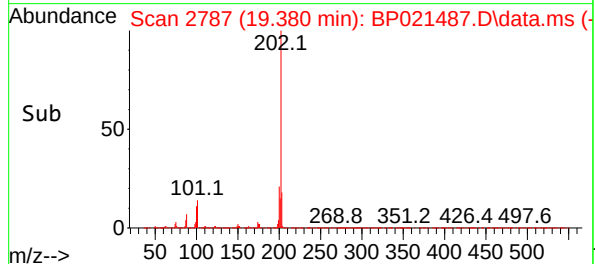
Instrument :
BNA_P
Client Sample Id :
SSTDICC060



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

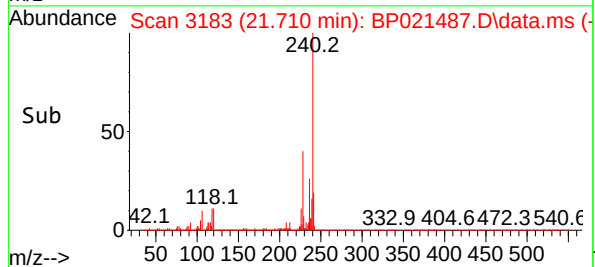
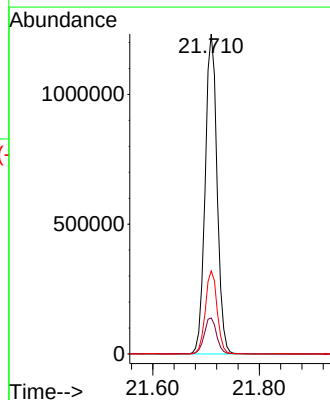
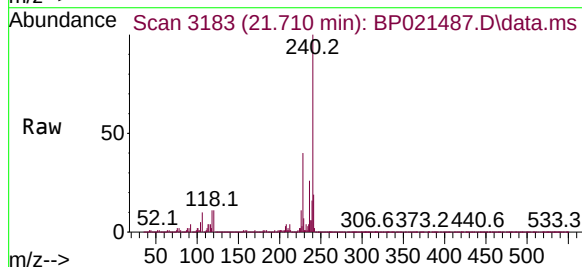
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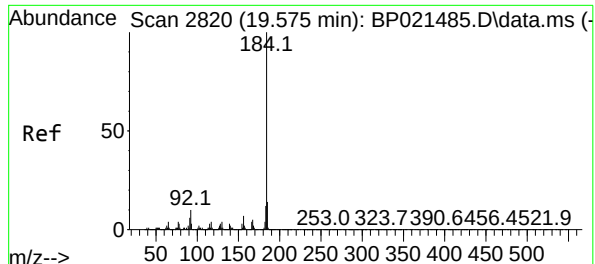
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#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





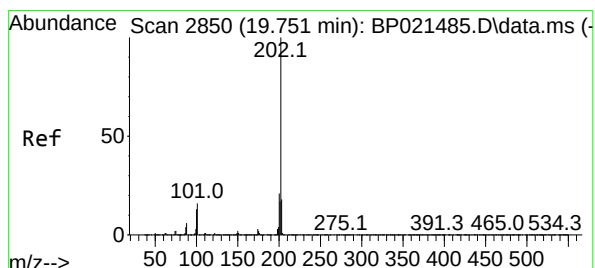
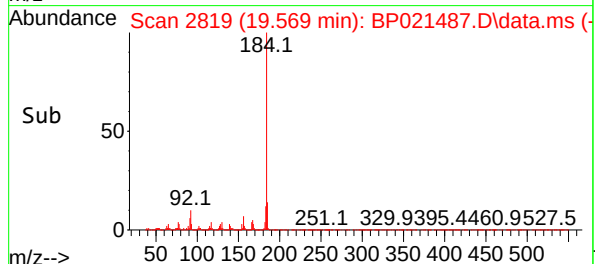
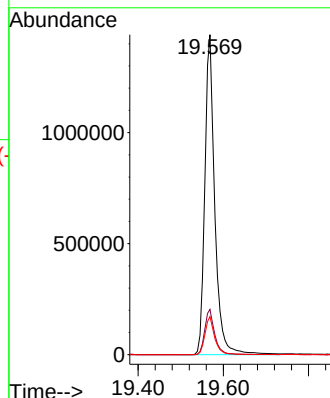
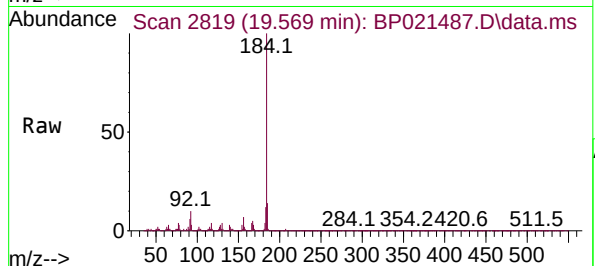
#77
Benzidine
Concen: 54.599 ng
RT: 19.569 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 2334830
Ion Ratio Lower Upper
184 100
185 14.1 11.4 17.0
183 11.9 9.3 13.9

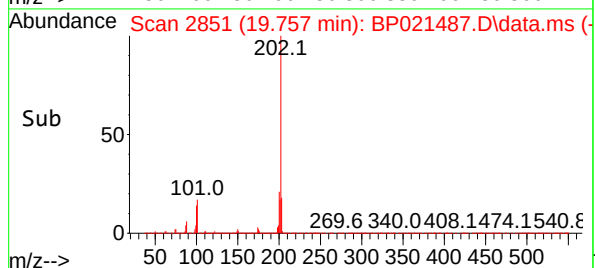
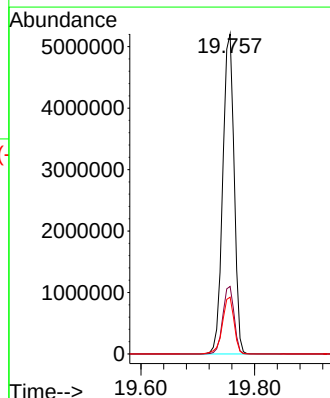
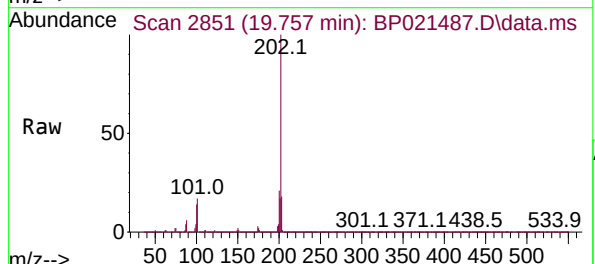
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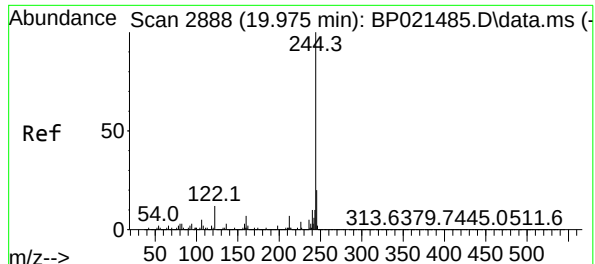
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 2888
Delta R.T. 0.011 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

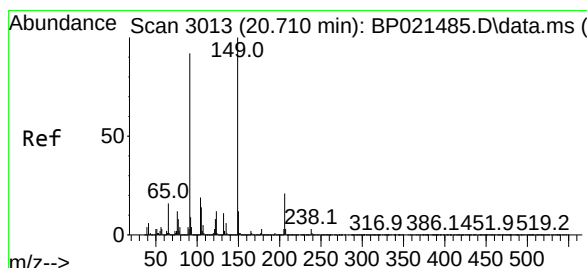
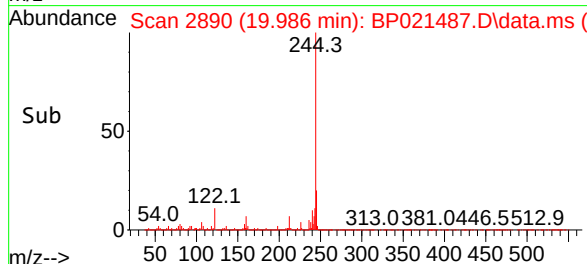
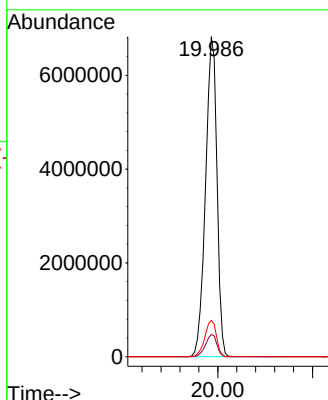
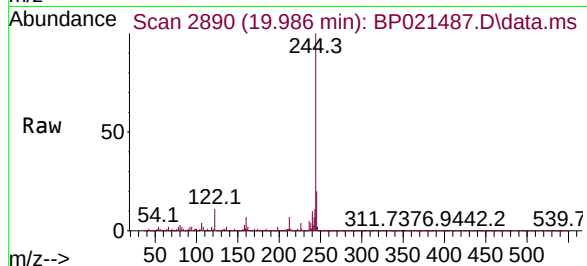
ClientSampleId :

SSTDICC060

Tgt Ion:244 Resp:11374620
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 11.3 9.4 14.2

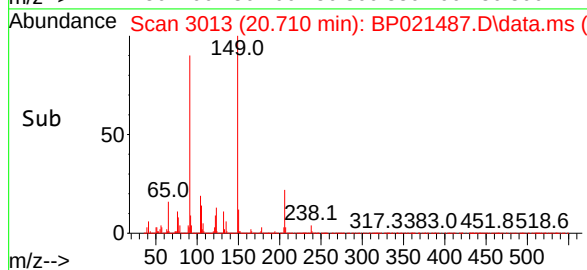
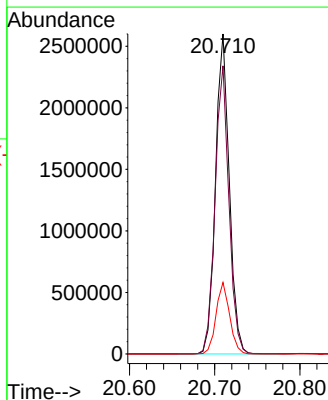
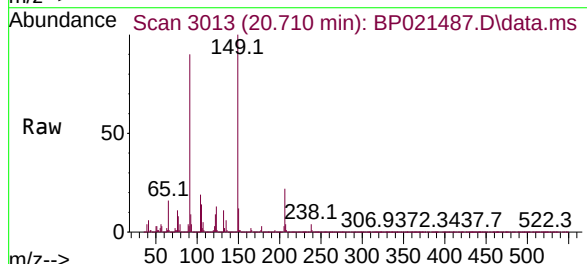
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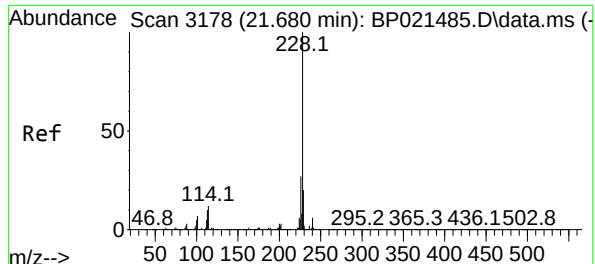
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





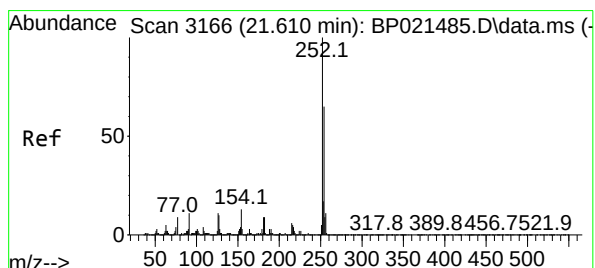
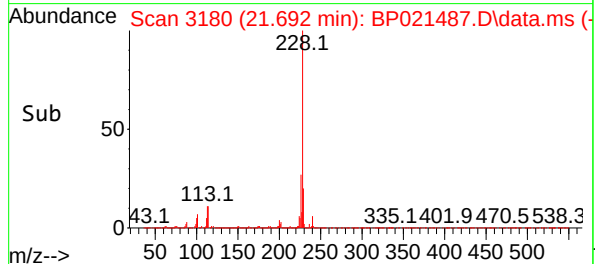
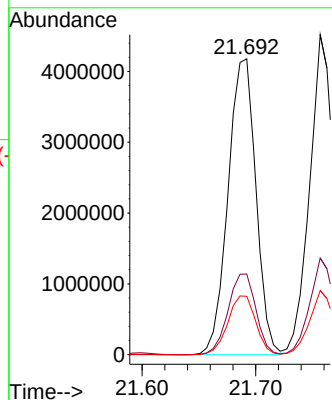
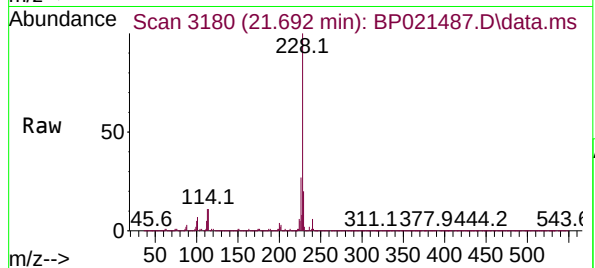
#81
Benzo(a)anthracene
Concen: 59.472 ng
RT: 21.692 min Scan# 3178
Delta R.T. 0.012 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 7119658
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.2
229 19.8 15.8 23.6

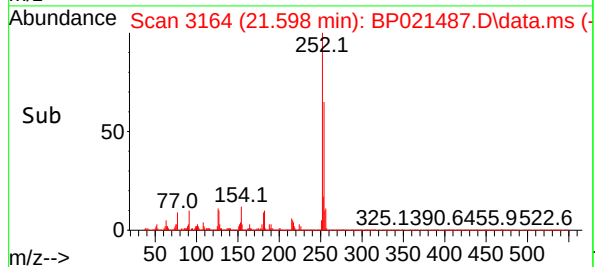
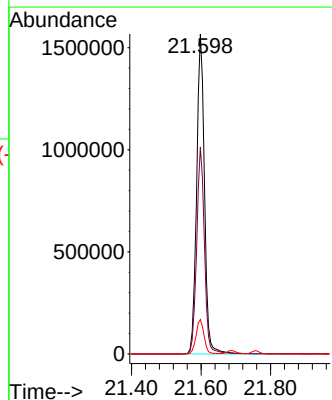
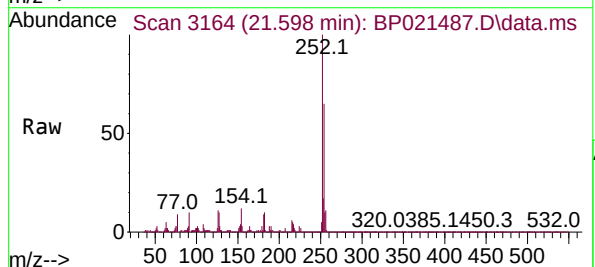
Manual Integrations
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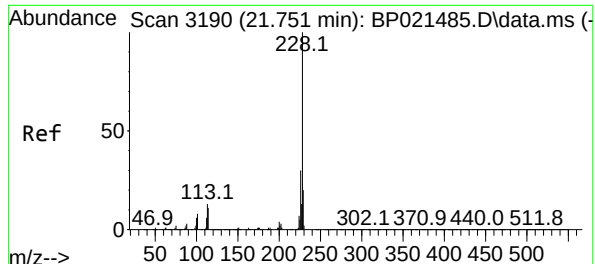
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 3191

Delta R.T. 0.006 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion:228 Resp: 6762569

Ion Ratio Lower Upper

228 100

226 30.2 23.9 35.9

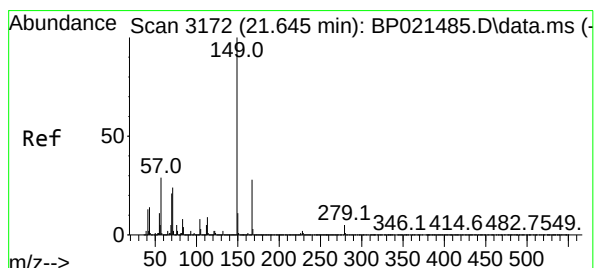
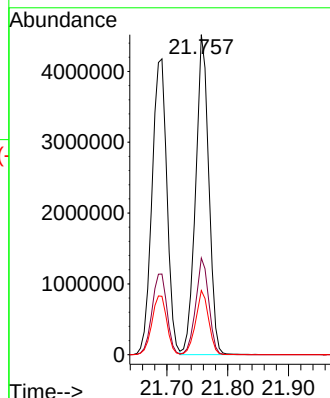
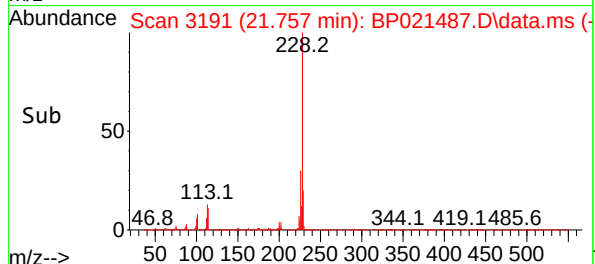
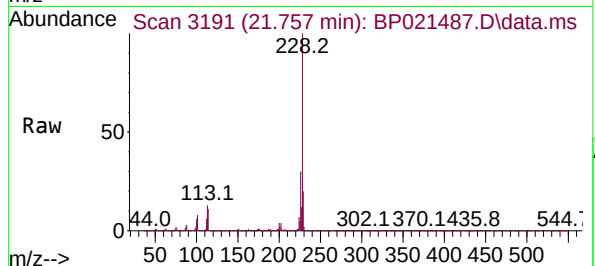
229 20.1 15.8 23.6

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

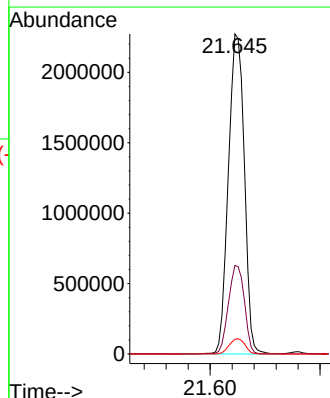
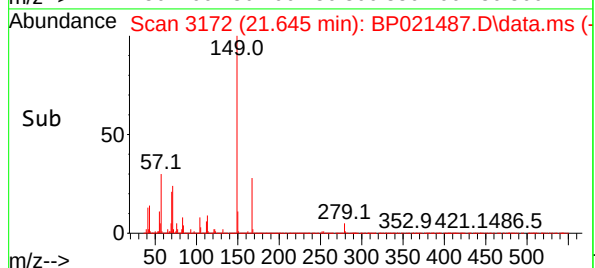
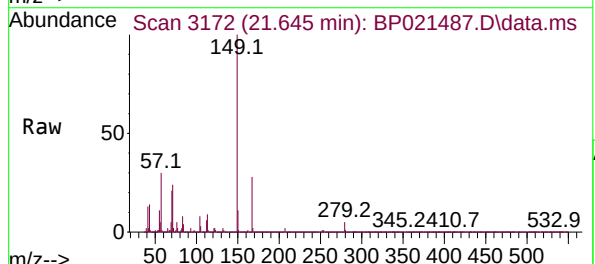
Tgt Ion:149 Resp: 4576797

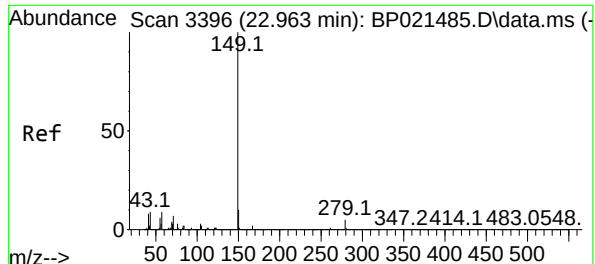
Ion Ratio Lower Upper

149 100

167 27.7 22.3 33.5

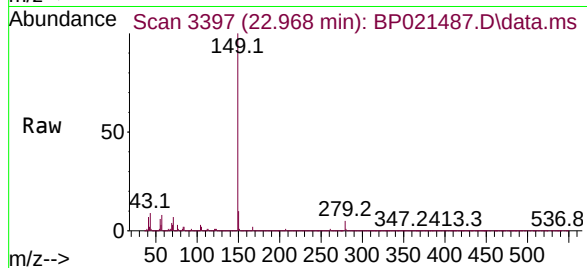
279 4.6 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 59.983 ng
RT: 22.968 min Scan# 31
Delta R.T. 0.005 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

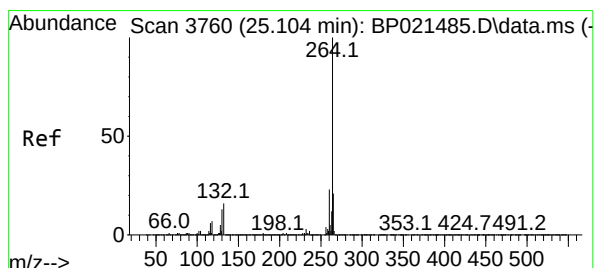
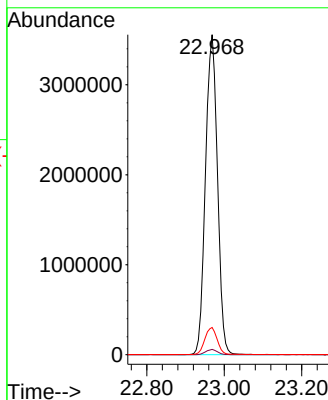
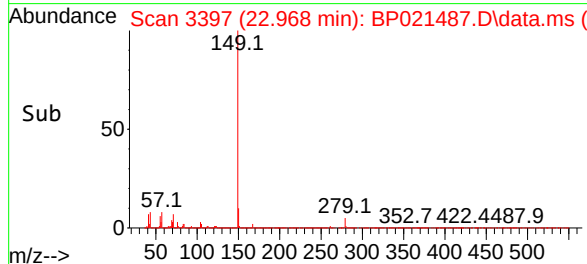
Instrument :
BNA_P
Client Sample Id :
SSTDICC060



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

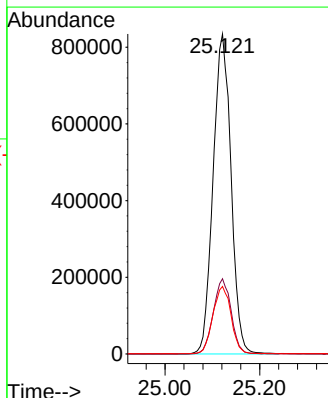
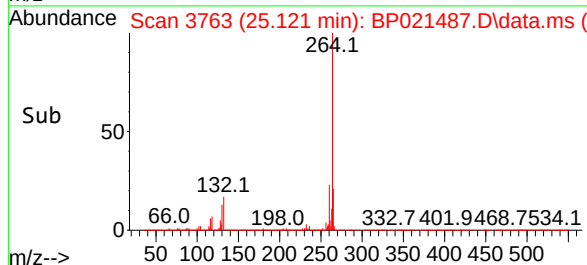
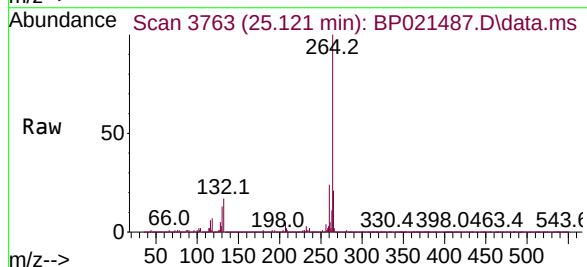
Manual Integrations
APPROVED

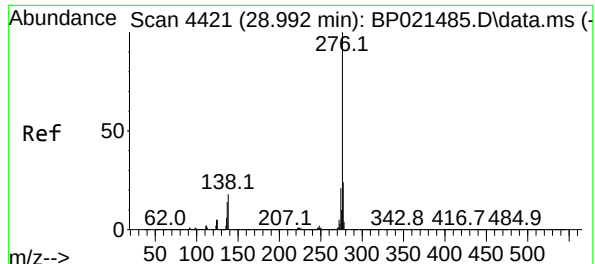
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.121 min Scan# 3763
Delta R.T. 0.018 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

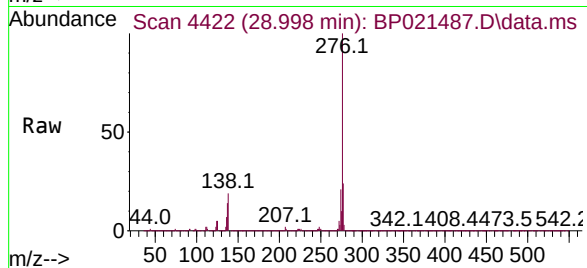
Tgt Ion:264 Resp: 2191159
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 21.1 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 64.078 ng m
RT: 28.998 min Scan# 4421
Delta R.T. 0.006 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

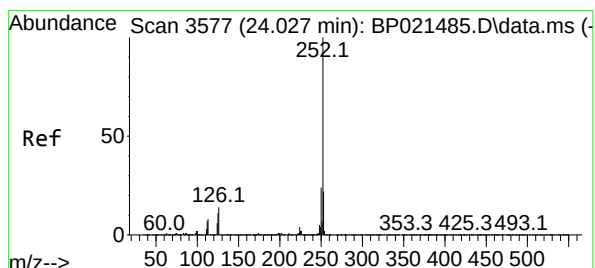
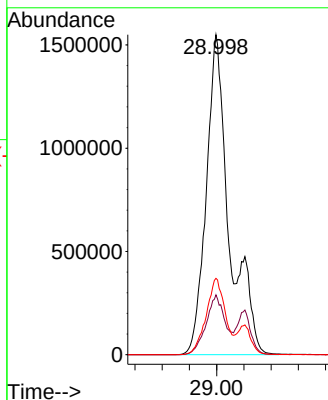
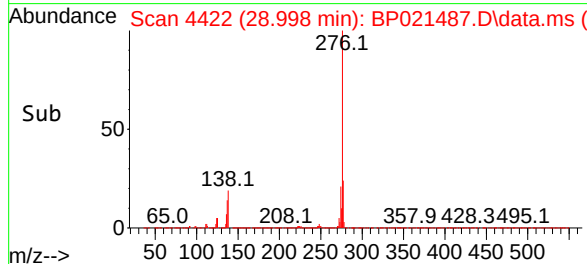
Instrument :
BNA_P
ClientSampleId :
SSTDICC060



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

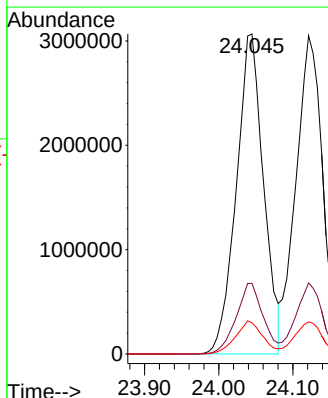
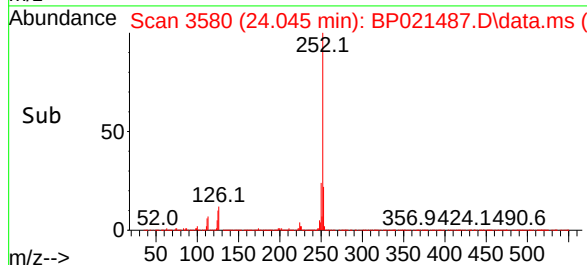
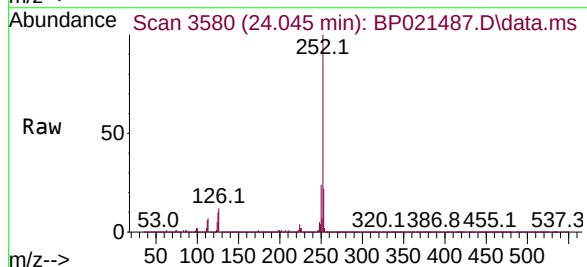
Manual Integrations
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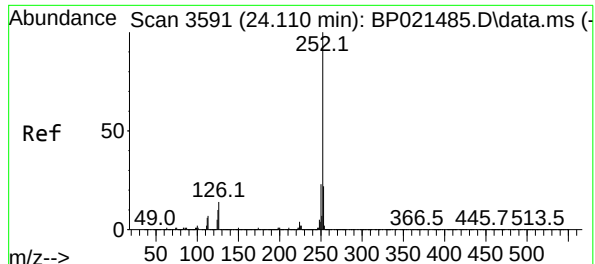
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 3593

Delta R.T. 0.012 min

Lab File: BP021487.D

Acq: 13 Aug 2024 16:53

Instrument :

BNA_P

ClientSampleId :

SSTDICC060

Tgt Ion:252 Resp: 7561960

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

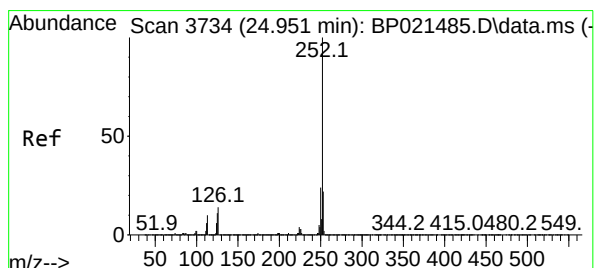
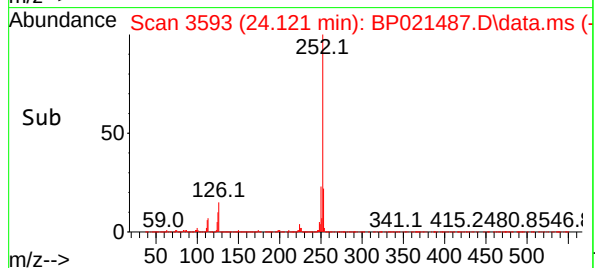
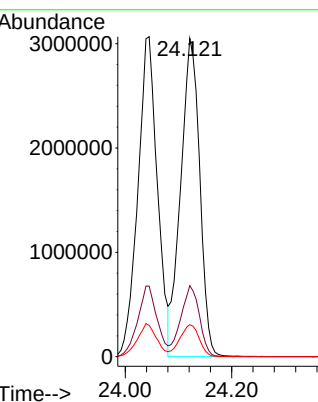
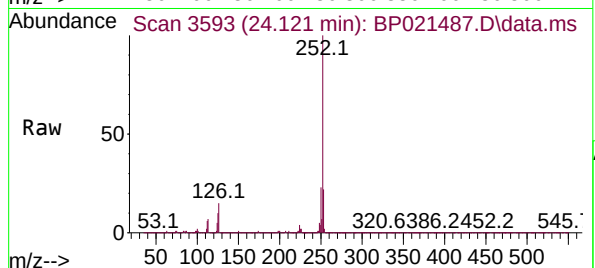
125 10.0 7.8 11.8

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

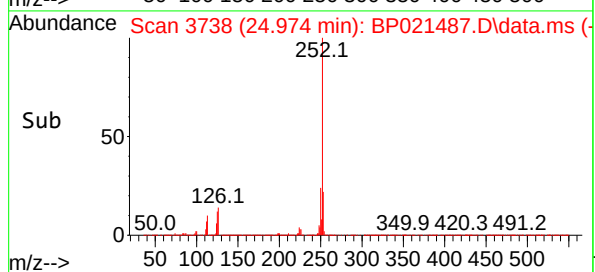
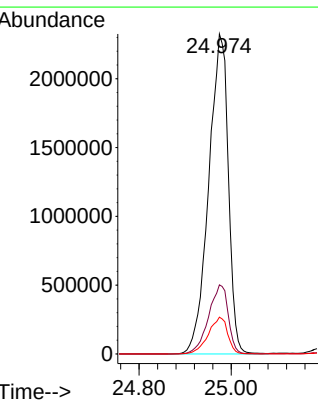
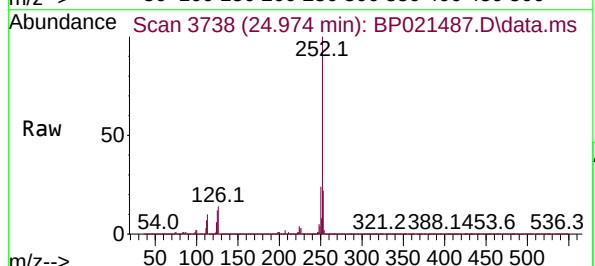
Tgt Ion:252 Resp: 6839630

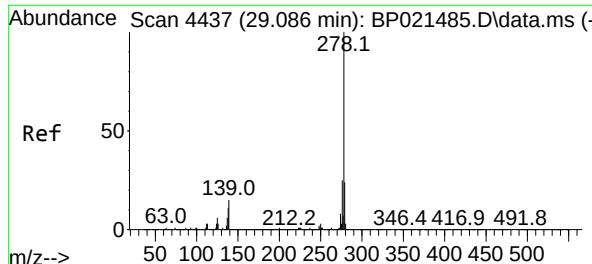
Ion Ratio Lower Upper

252 100

253 21.6 17.7 26.5

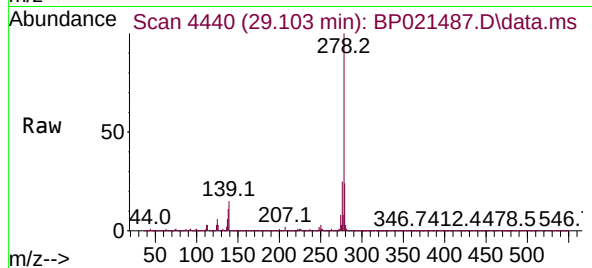
125 11.5 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 63.721 ng
RT: 29.103 min Scan# 4437
Delta R.T. 0.018 min
Lab File: BP021487.D
Acq: 13 Aug 2024 16:53

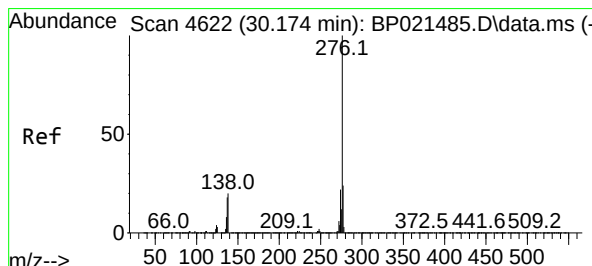
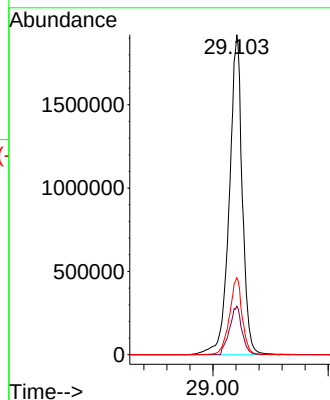
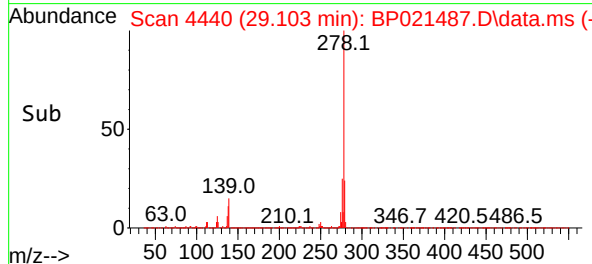
Instrument :
BNA_P
ClientSampleId :
SSTDICC060



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

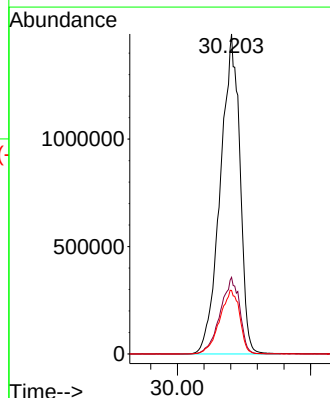
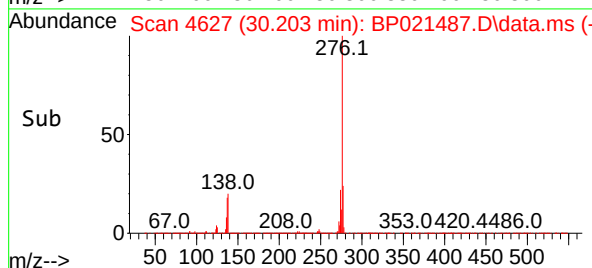
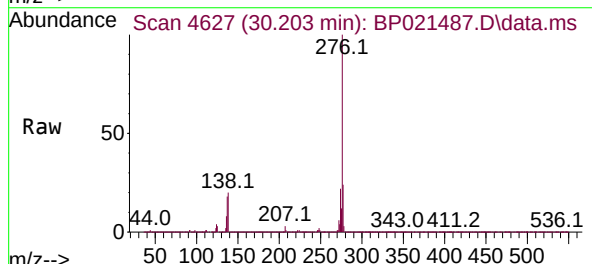
Manual Integrations
APPROVED

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

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)
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

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

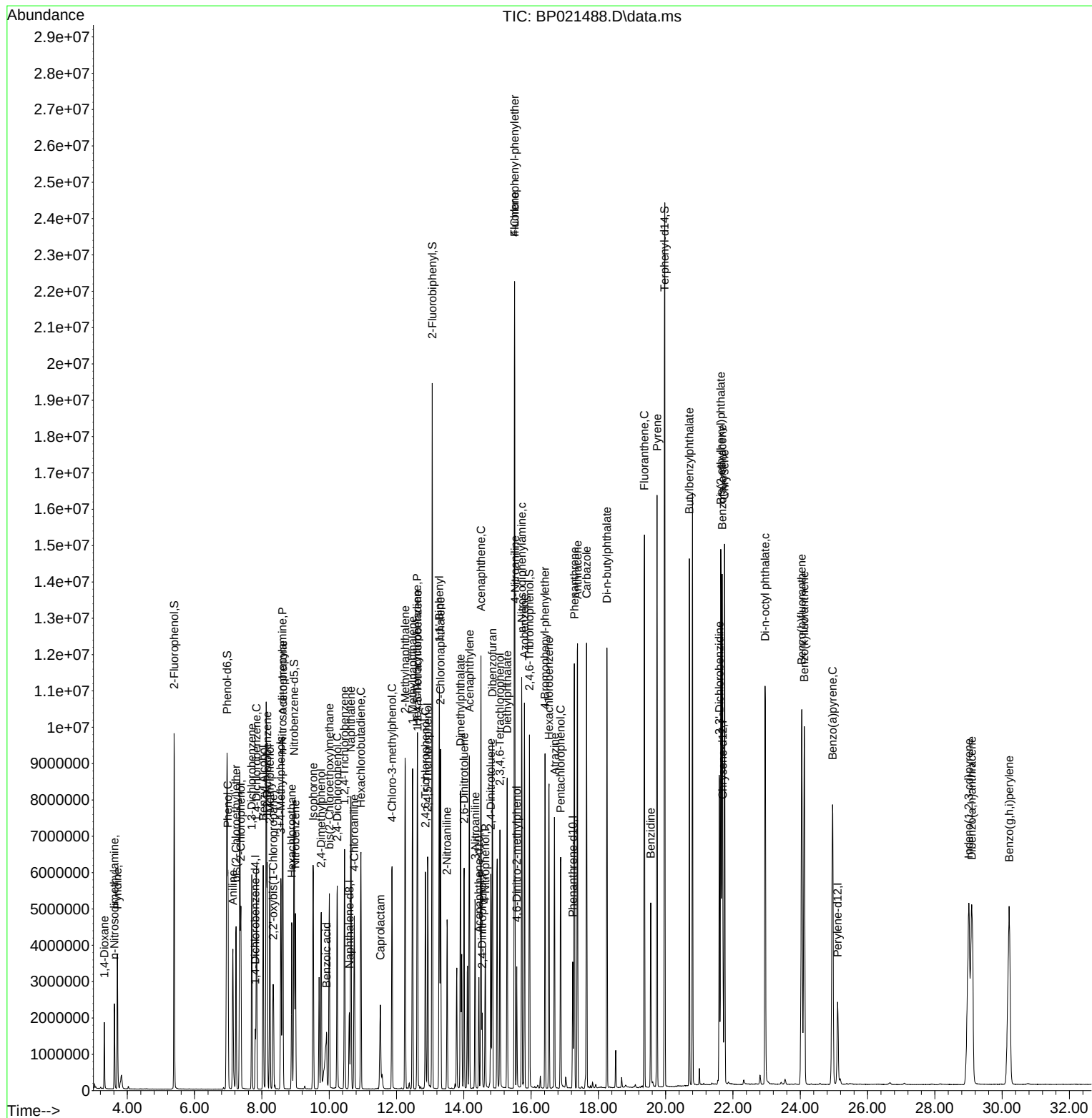
Manual Integrations

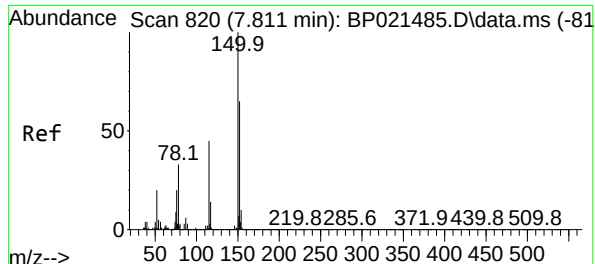
APPROVED

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





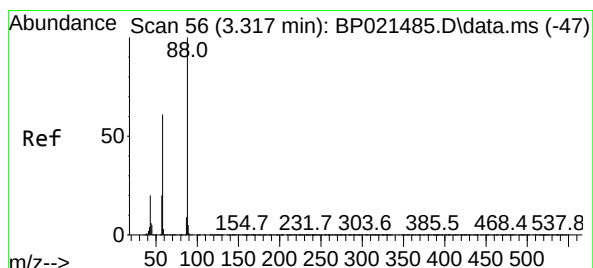
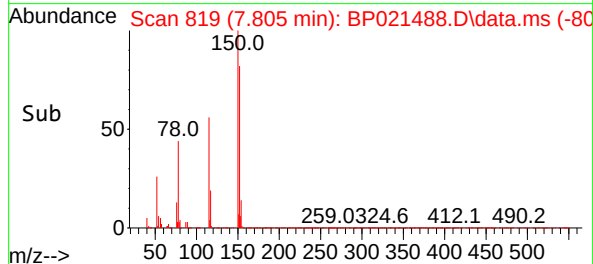
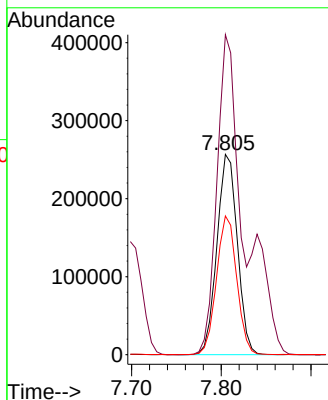
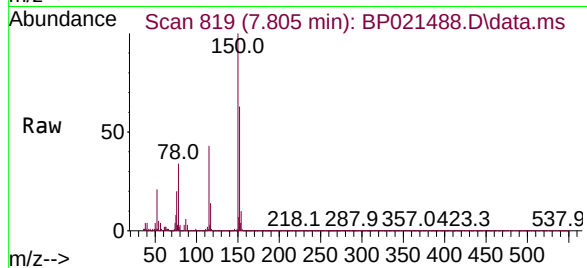
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 405630
Ion Ratio Lower Upper
152 100
150 159.8 122.4 183.6
115 69.3 54.7 82.1

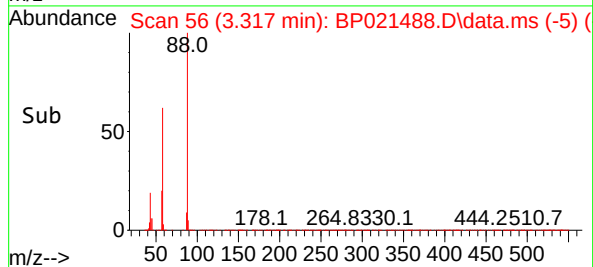
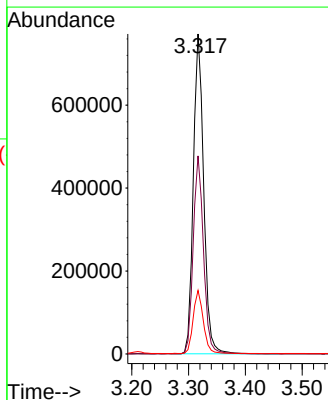
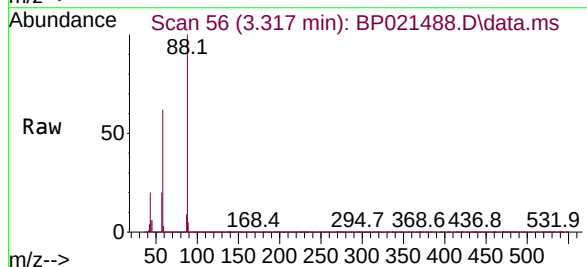
Manual Integrations
APPROVED

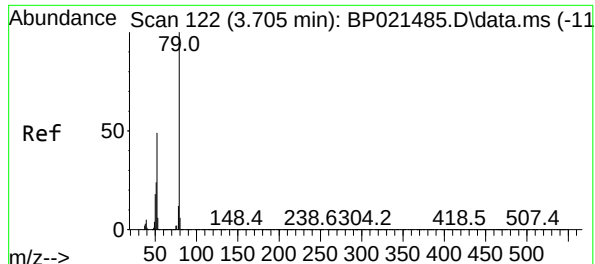
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

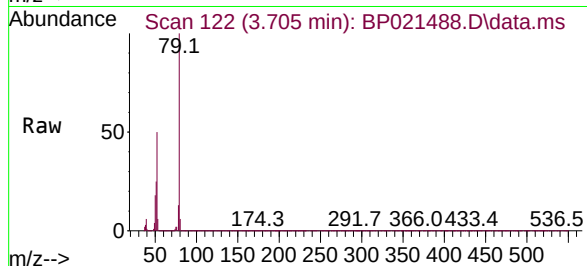
Tgt Ion: 88 Resp: 981936
Ion Ratio Lower Upper
88 100
58 61.6 48.7 73.1
43 19.6 15.4 23.2





#3
Pyridine
Concen: 77.425 ng m
RT: 3.705 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

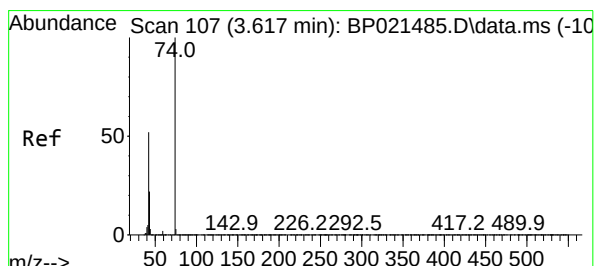
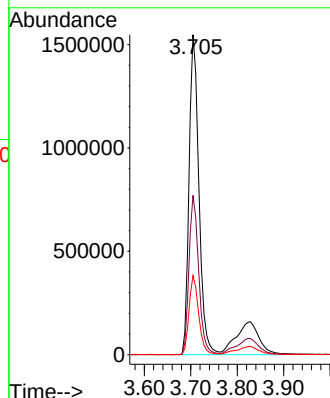
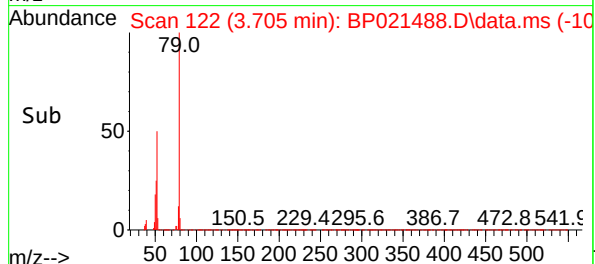
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion: 79 Resp: 279966
Ion Ratio Lower Upper
79 100
52 49.8 39.0 58.6
51 24.7 19.2 28.8

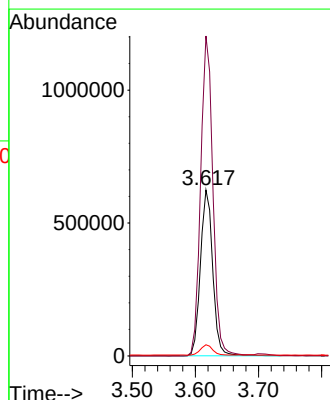
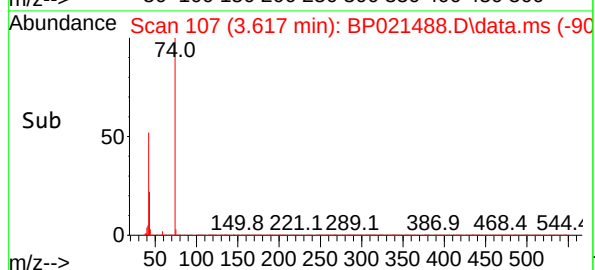
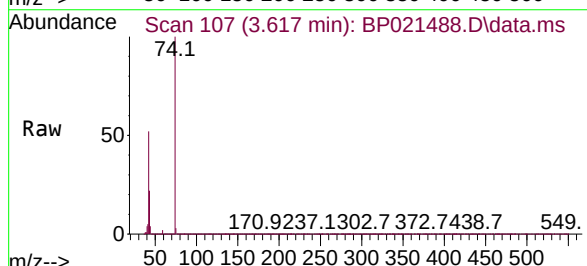
Manual Integrations
APPROVED

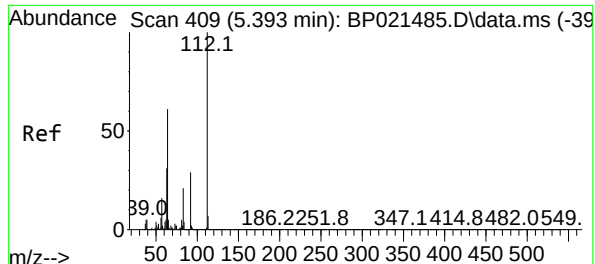
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





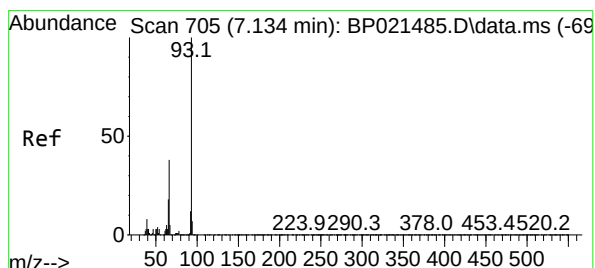
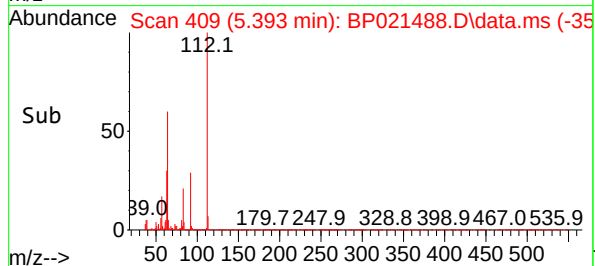
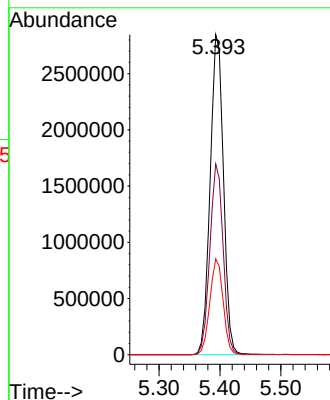
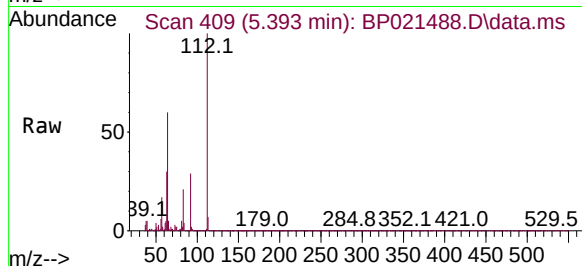
#5
2-Fluorophenol
Concen: 158.364 ng
RT: 5.393 min Scan# 409
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Instrument :
BNA_P
Client Sample Id :
SSTDICC080

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

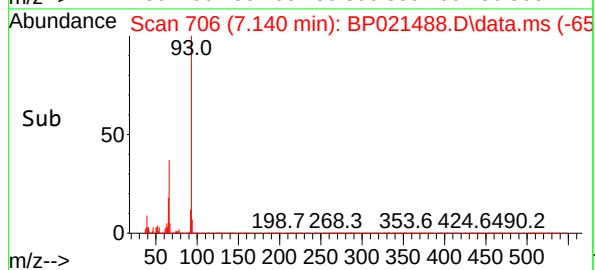
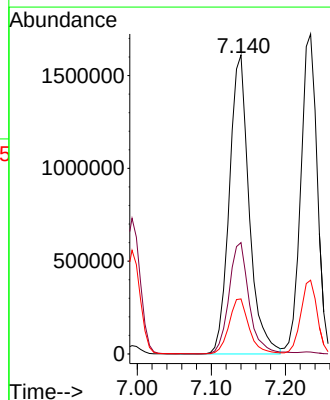
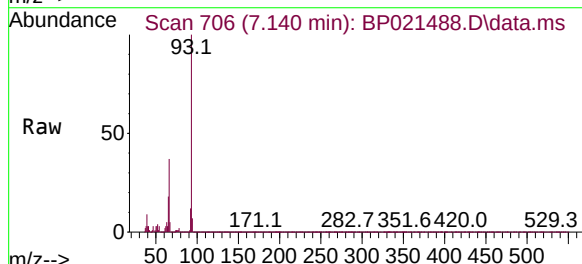
Manual Integrations
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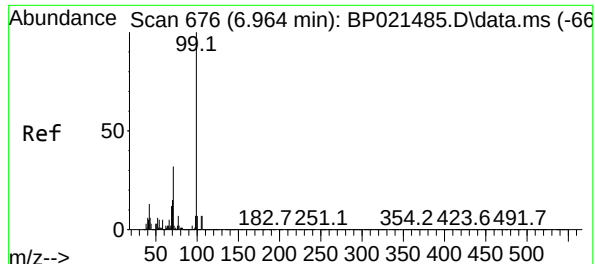
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 61

Delta R.T. 0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion: 99 Resp: 6182538

Ion Ratio Lower Upper

99 100

42 12.5 10.2 15.4

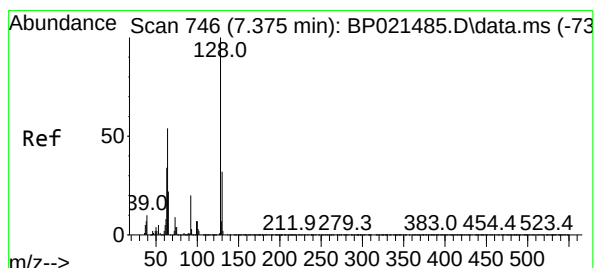
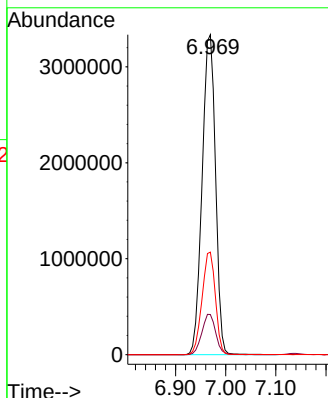
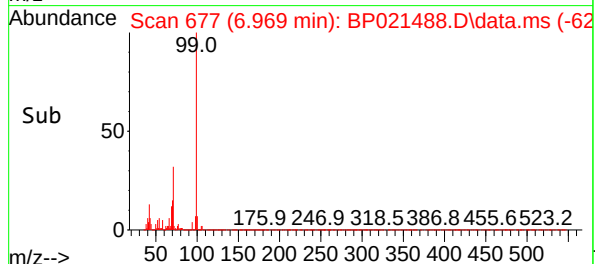
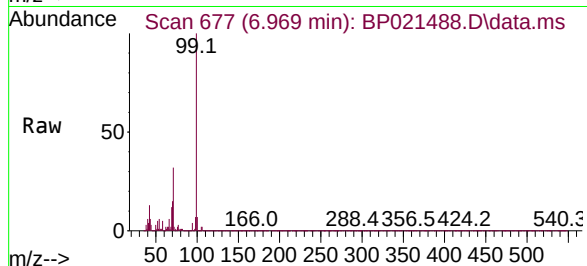
71 32.1 25.8 38.8

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

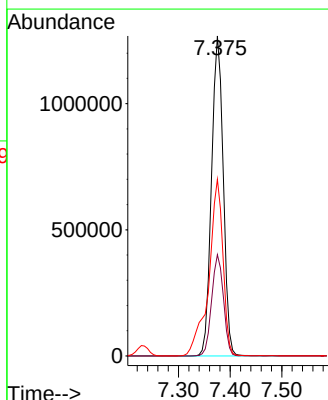
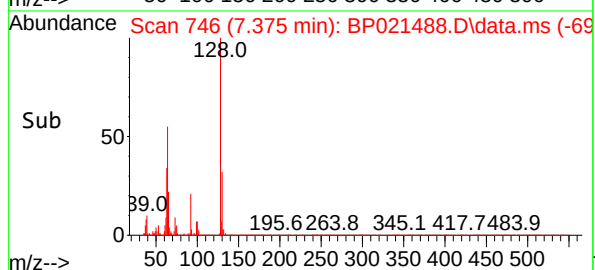
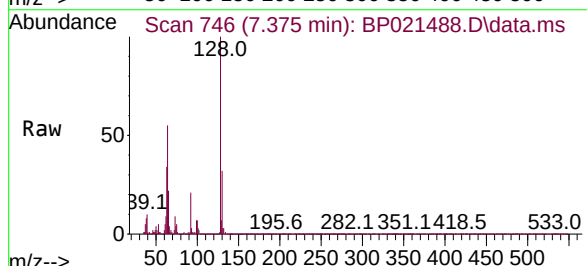
Tgt Ion:128 Resp: 1999068

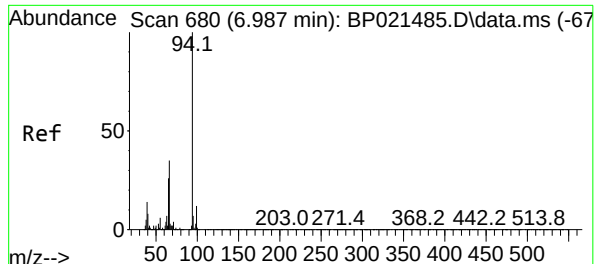
Ion Ratio Lower Upper

128 100

130 31.7 11.6 51.6

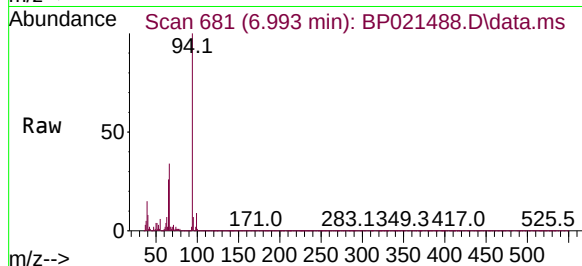
64 55.2 35.3 75.3





#10
Phenol
Concen: 77.502 ng
RT: 6.993 min Scan# 681
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

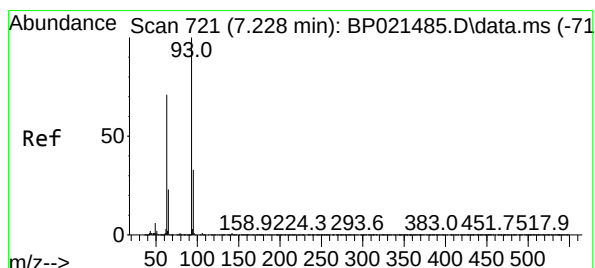
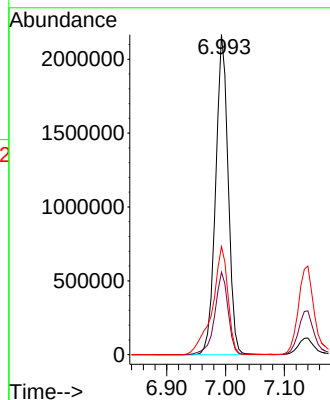
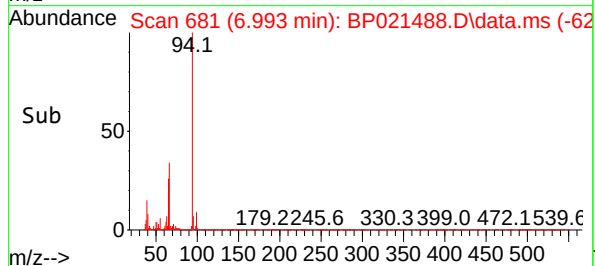
Instrument :
BNA_P
Client Sample Id :
SSTDICC080



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

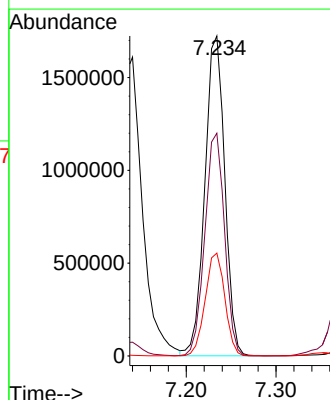
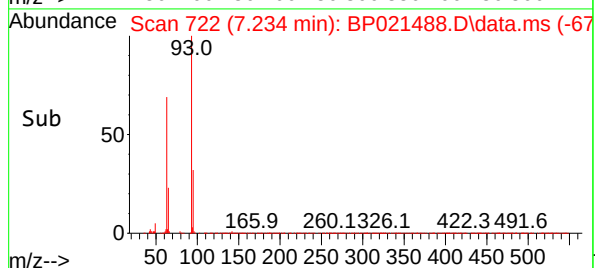
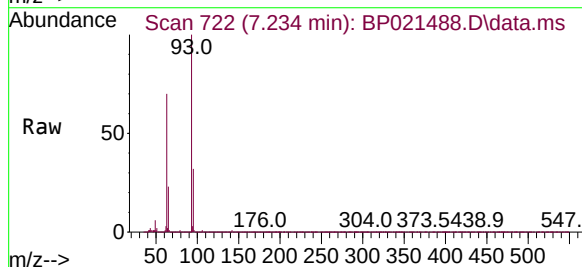
Manual Integrations
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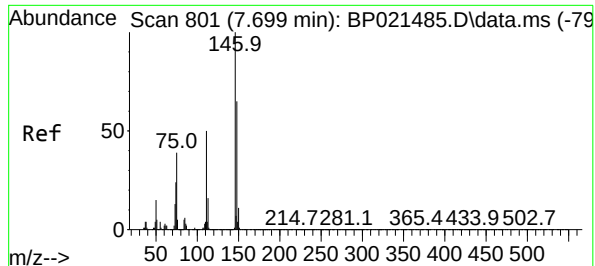
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 801

Delta R.T. -0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 227863

Ion Ratio Lower Upper

146 100

148 64.5 51.8 77.6

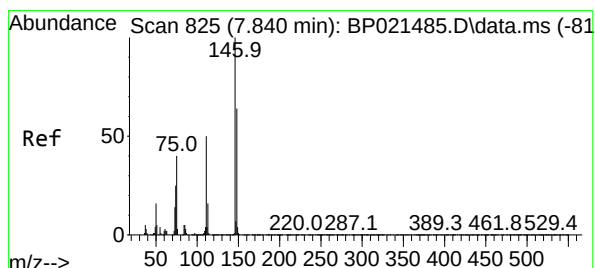
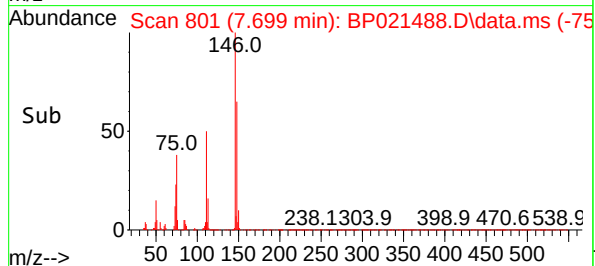
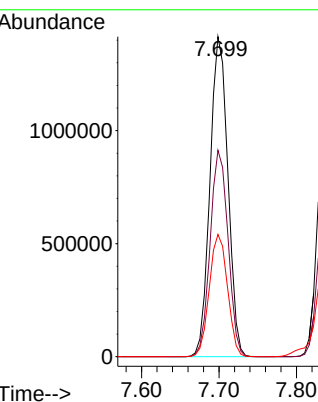
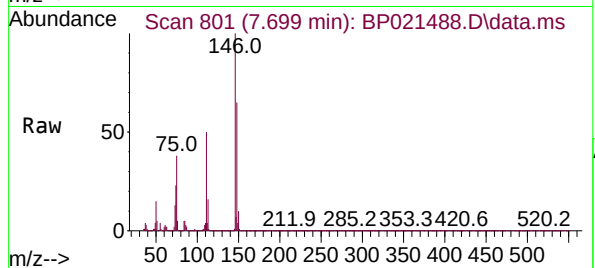
75 38.2 31.3 46.9

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

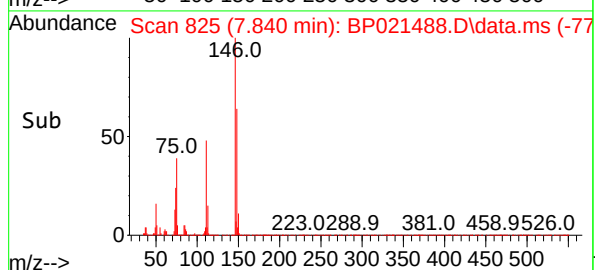
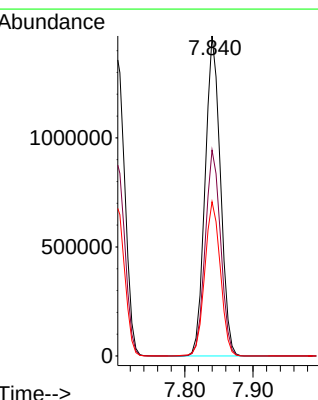
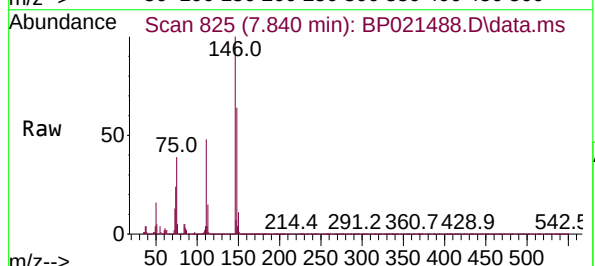
Tgt Ion:146 Resp: 2292726

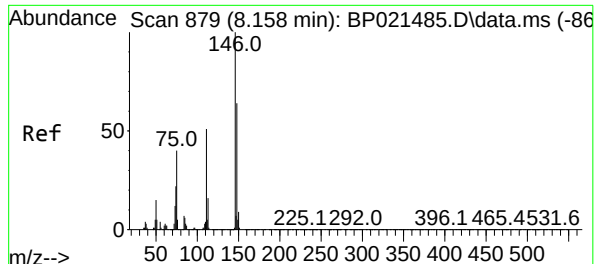
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 2200854

Ion Ratio Lower Upper

146 100

148 63.9 51.5 77.3

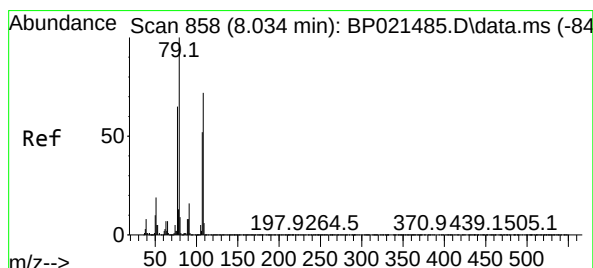
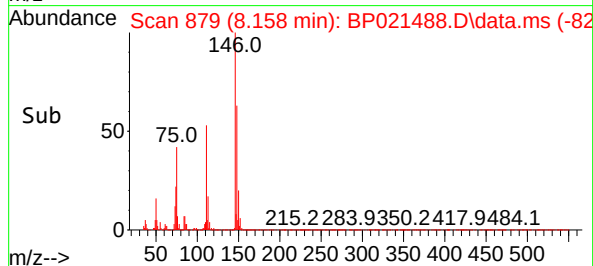
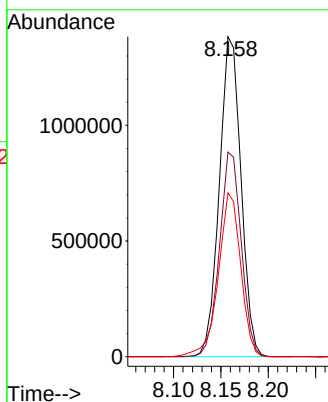
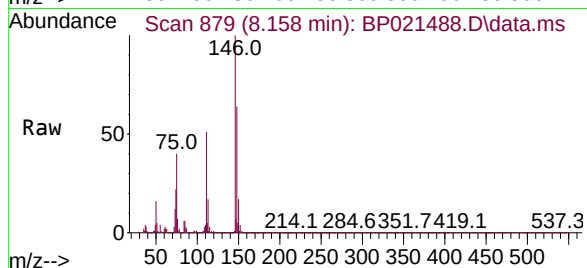
111 51.2 41.1 61.7

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

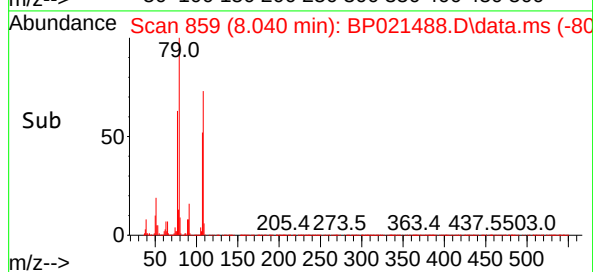
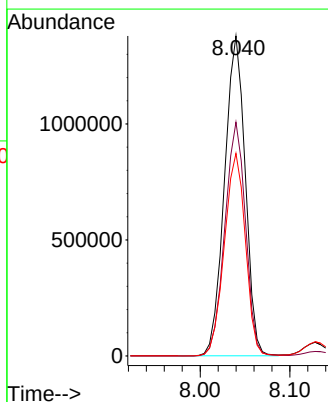
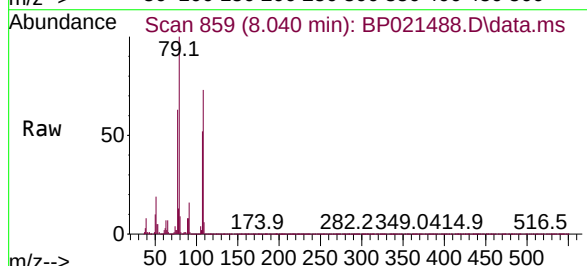
Tgt Ion: 79 Resp: 2214742

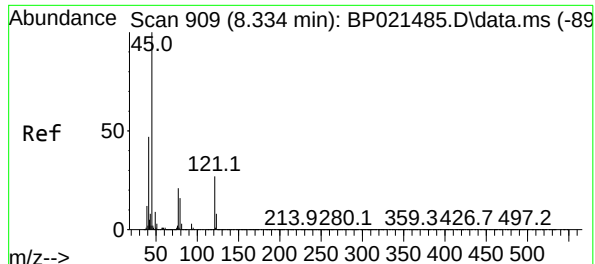
Ion Ratio Lower Upper

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# 909

Delta R.T. -0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

Client Sample Id :

SSTDICC080

Tgt Ion: 45 Resp: 2391178

Ion Ratio Lower Upper

45 100

77 21.4 1.9 41.9

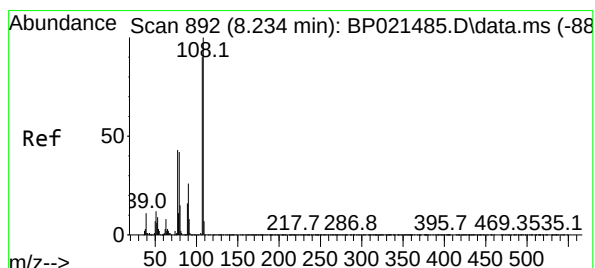
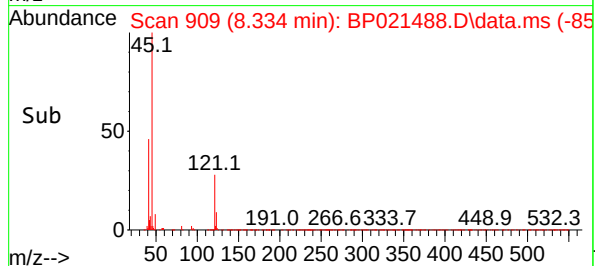
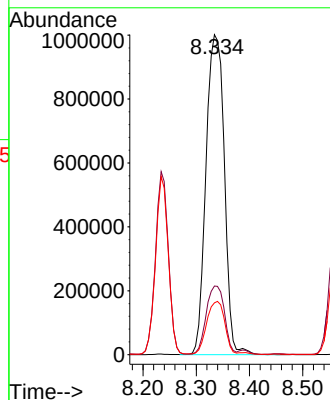
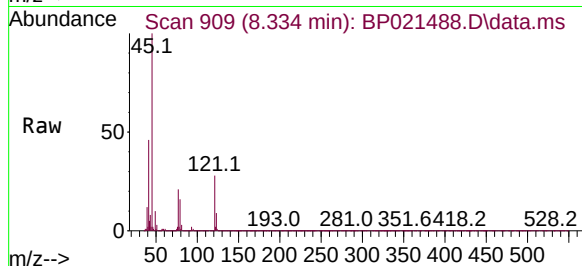
79 16.2 0.0 36.6

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

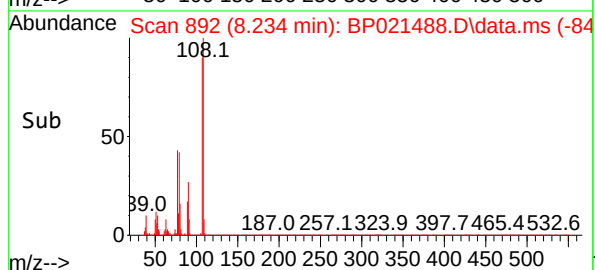
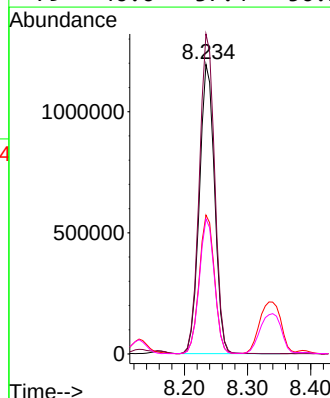
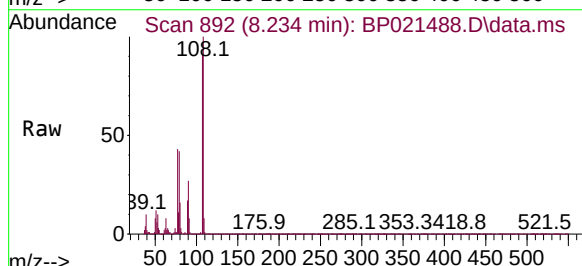
Ion Ratio Lower Upper

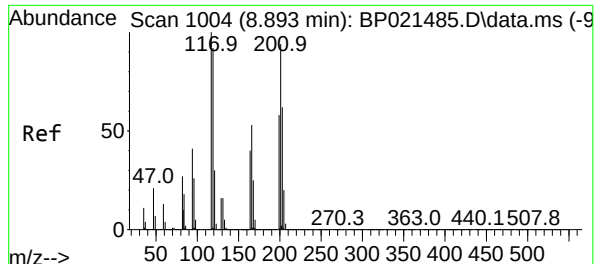
107 100

108 110.5 88.8 133.2

77 47.9 38.7 58.1

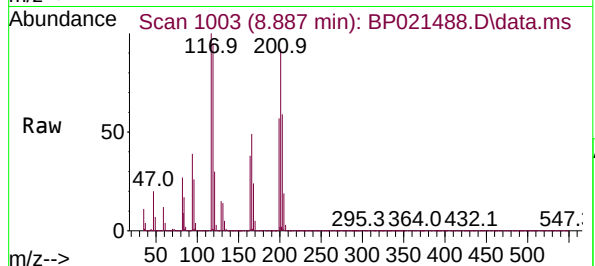
79 46.6 37.4 56.2





#18
Hexachloroethane
Concen: 78.852 ng
RT: 8.887 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

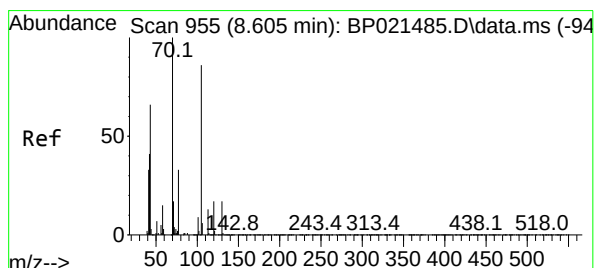
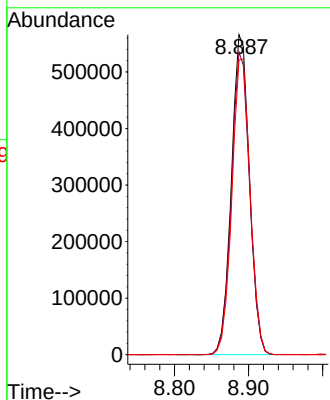
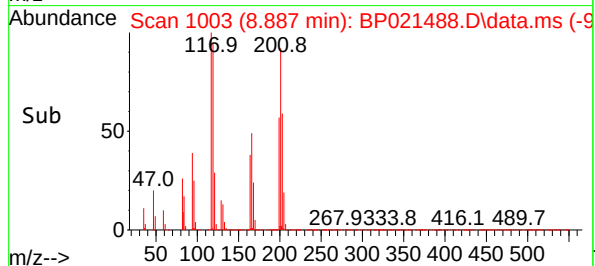
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



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

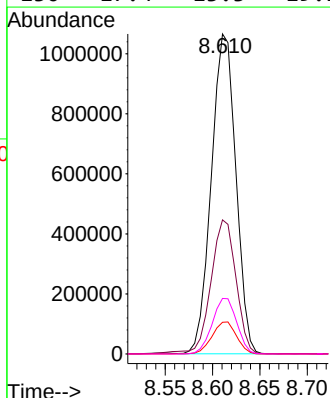
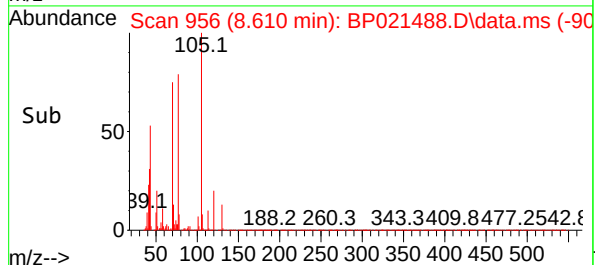
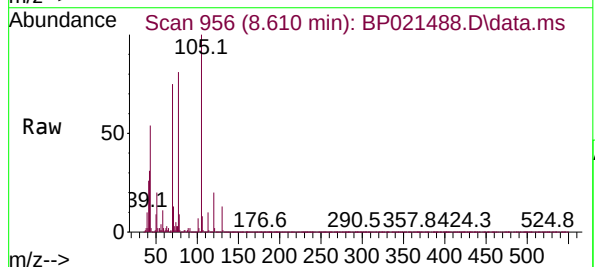
Manual Integrations
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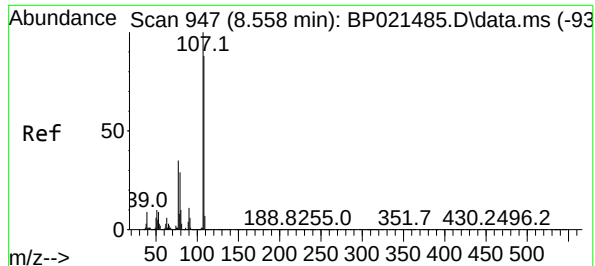
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 947

Delta R.T. 0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:107 Resp: 2709790

Ion Ratio Lower Upper

107 100

108 88.4 67.6 107.6

77 34.2 15.0 55.0

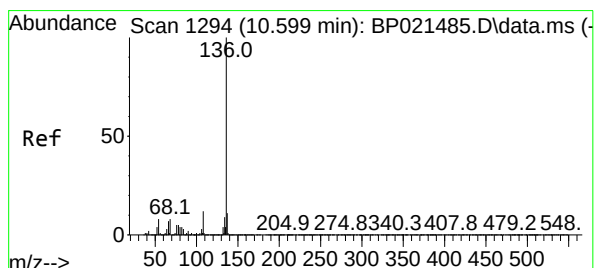
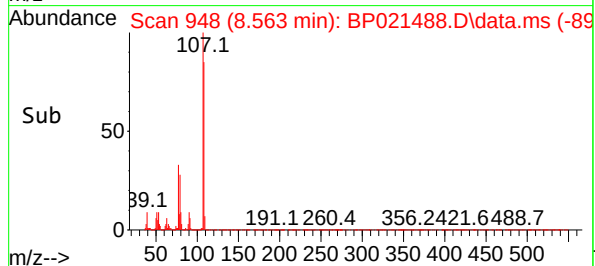
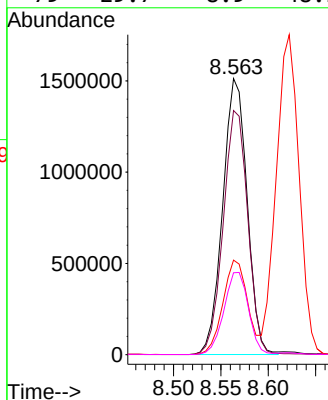
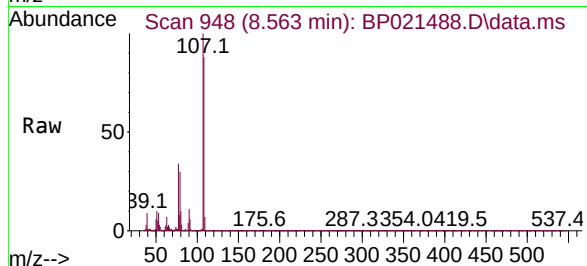
79 29.7 8.9 48.9

Manual Integrations

APPROVED

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

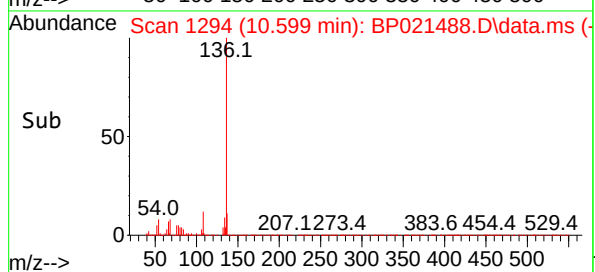
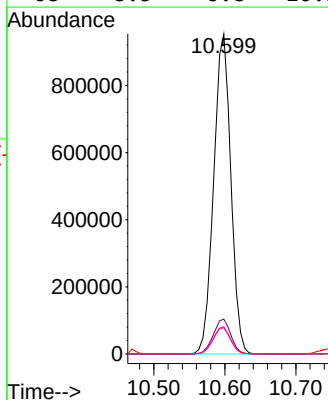
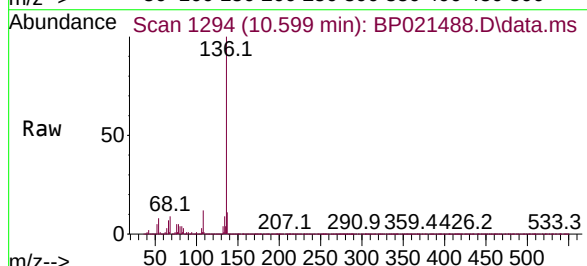
Ion Ratio Lower Upper

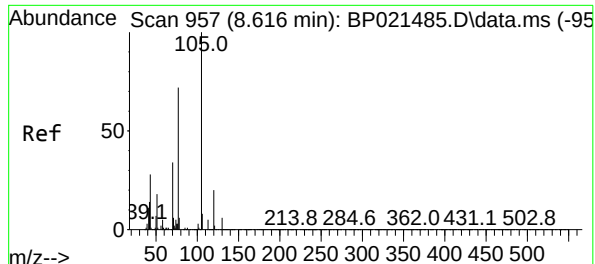
136 100

137 10.9 8.8 13.2

54 8.2 6.3 9.5

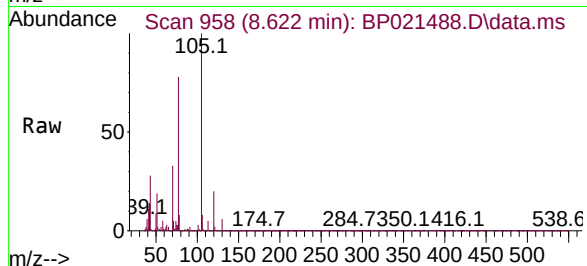
68 8.5 6.8 10.2





#22
Acetophenone
Concen: 76.808 ng
RT: 8.622 min Scan# 91
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

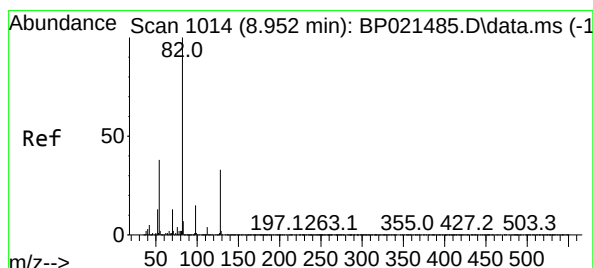
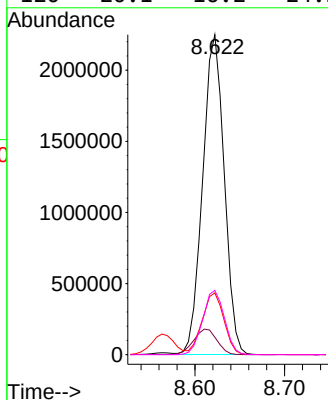
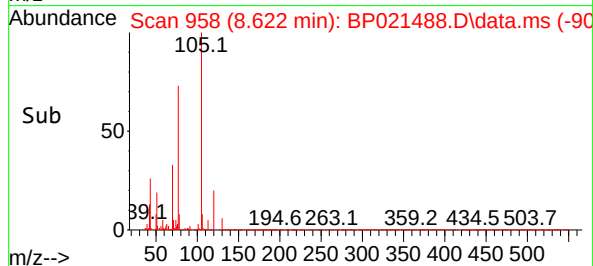
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



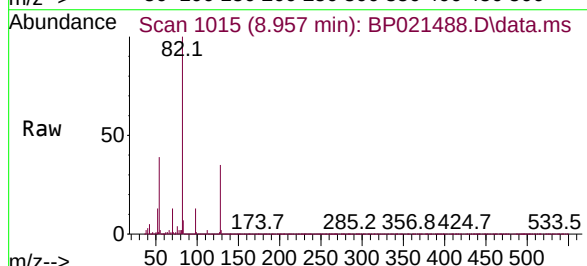
Tgt Ion: 105 Resp: 375328
Ion Ratio Lower Upper
105 100
71 5.5 4.6 7.0
51 19.3 16.3 24.5
120 20.1 16.2 24.2

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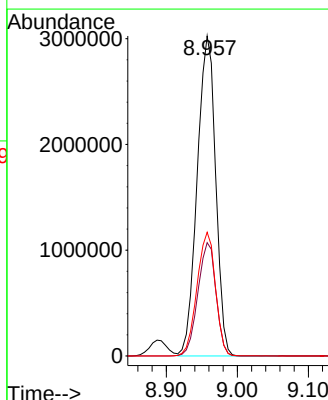
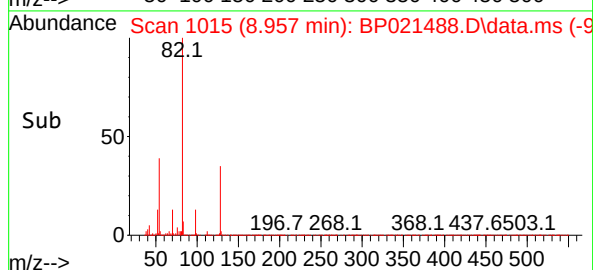
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

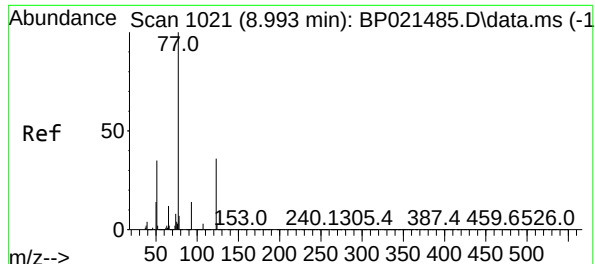


#23
Nitrobenzene-d5
Concen: 177.696 ng
RT: 8.957 min Scan# 1015
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36



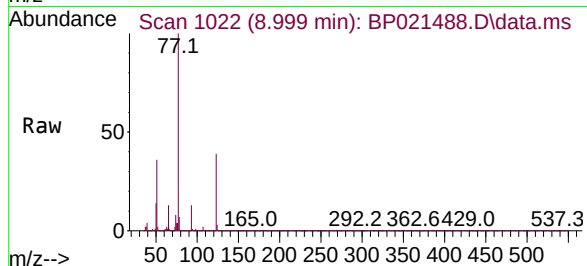
Tgt Ion: 82 Resp: 5476064
Ion Ratio Lower Upper
82 100
128 35.4 26.5 39.7
54 38.7 30.3 45.5





#24
Nitrobenzene
Concen: 86.298 ng
RT: 8.999 min Scan# 1021
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

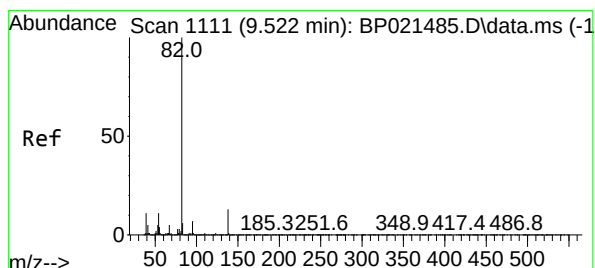
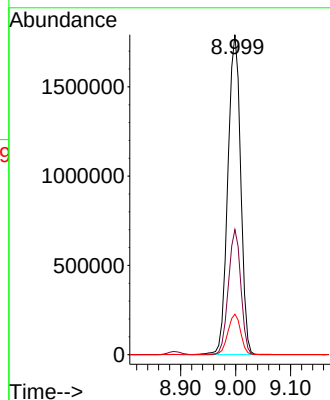
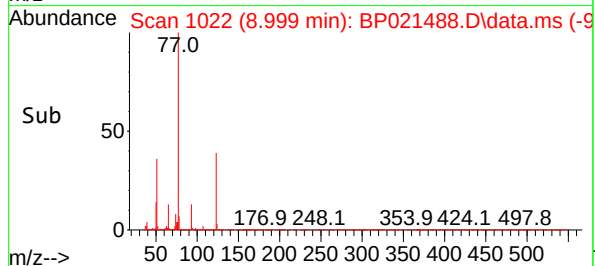
Instrument :
BNA_P
Client Sample Id :
SSTDICC080



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

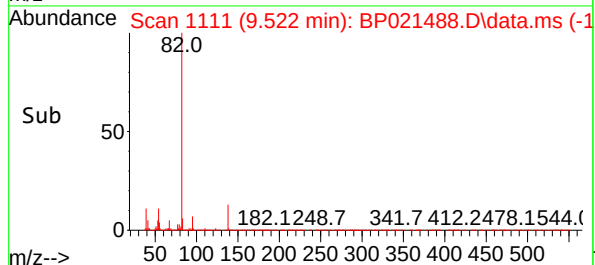
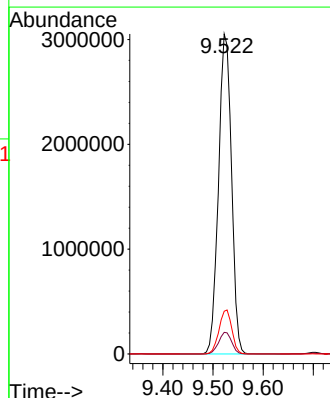
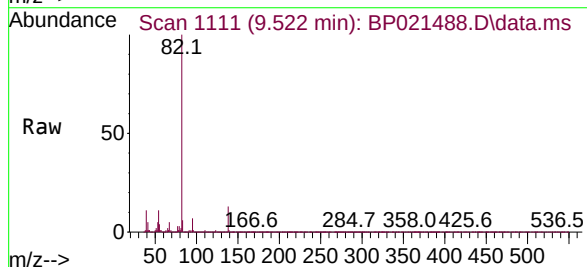
Manual Integrations
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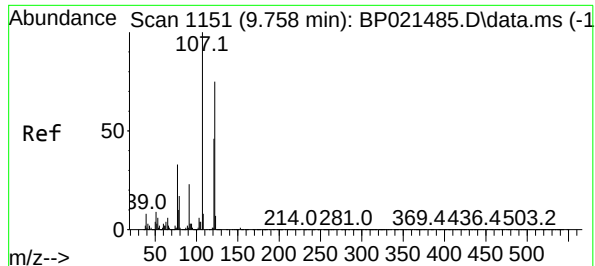
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1151

Delta R.T. 0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:122 Resp: 144372

Ion Ratio Lower Upper

122 100

107 131.4 106.2 159.4

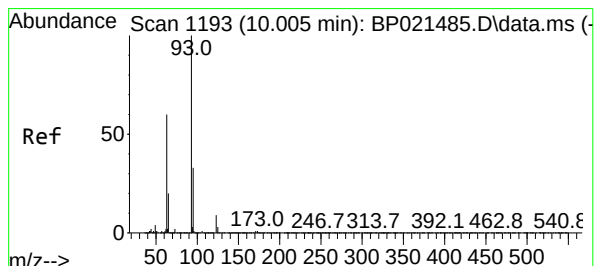
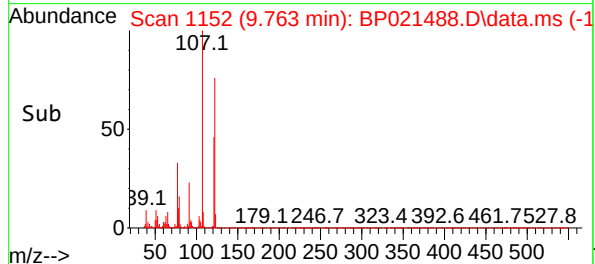
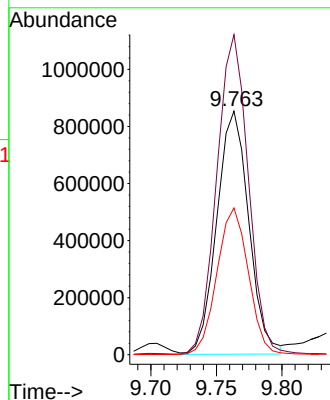
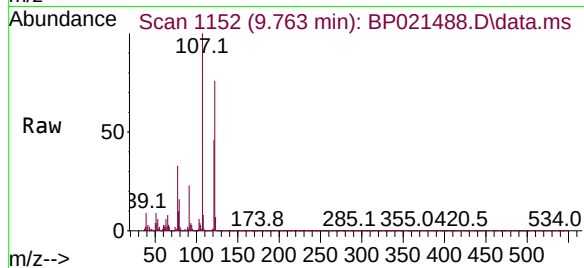
121 60.3 48.8 73.2

Manual Integrations

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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

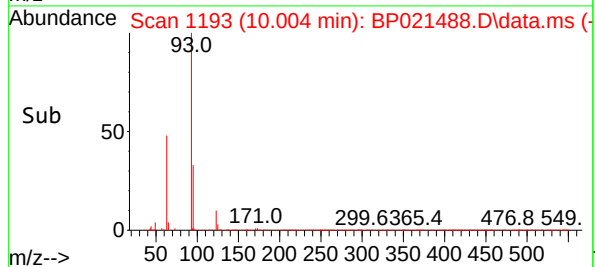
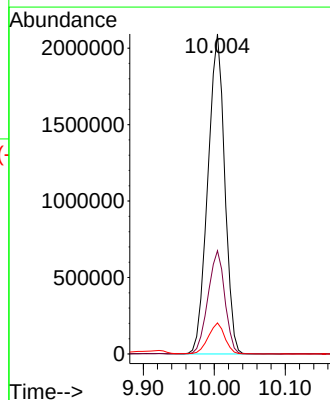
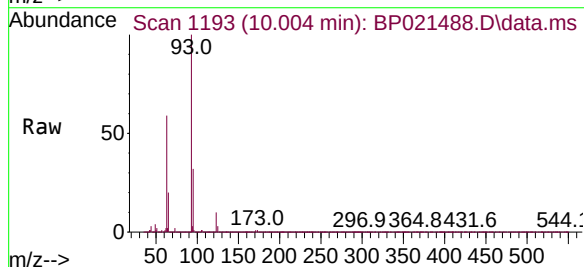
Tgt Ion: 93 Resp: 3455210

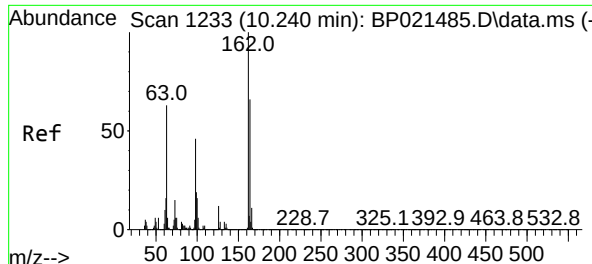
Ion Ratio Lower Upper

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# 1233

Delta R.T. -0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 183231

Ion Ratio Lower Upper

162 100

164 65.7 45.9 85.9

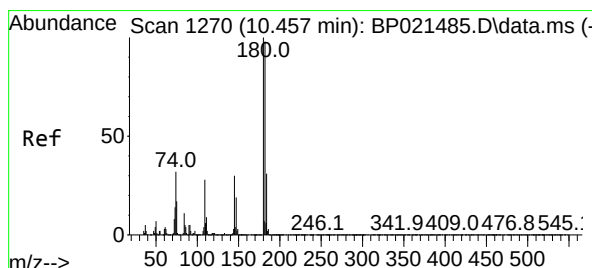
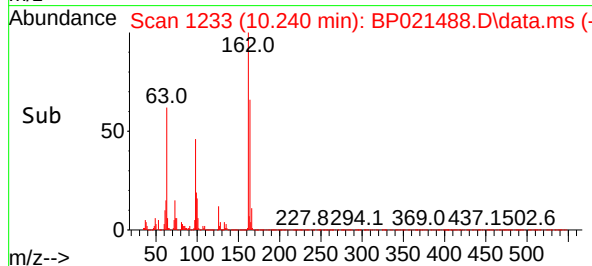
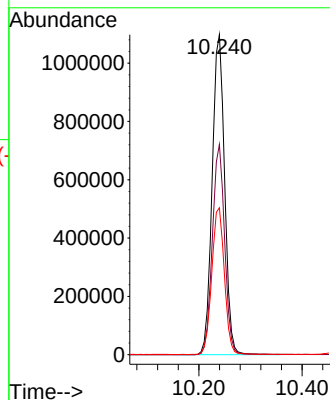
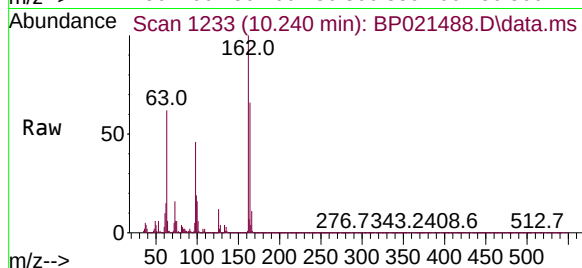
98 45.9 26.3 66.3

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

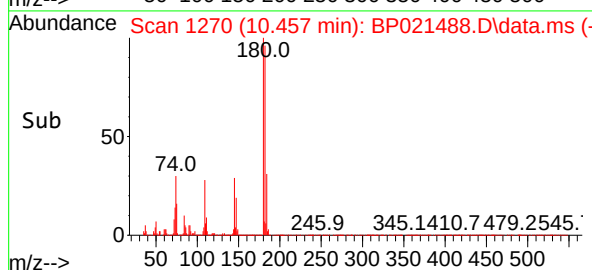
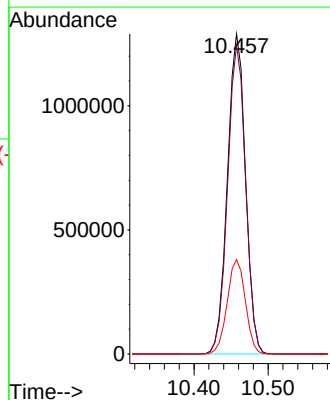
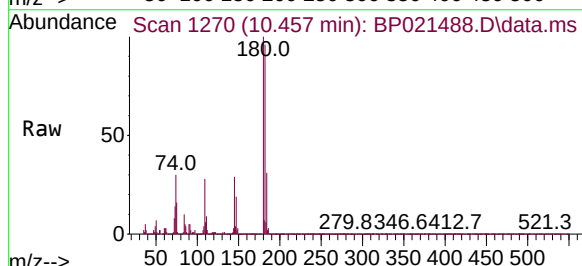
Tgt Ion:180 Resp: 2181467

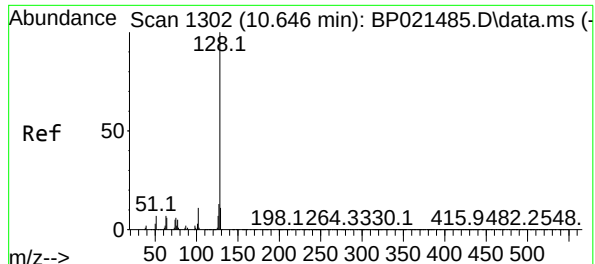
Ion Ratio Lower Upper

180 100

182 96.4 78.3 117.5

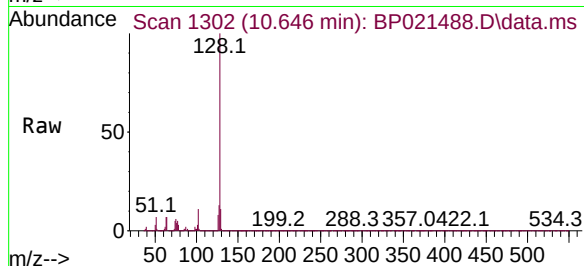
145 29.5 24.0 36.0





#31
Naphthalene
Concen: 78.593 ng
RT: 10.646 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

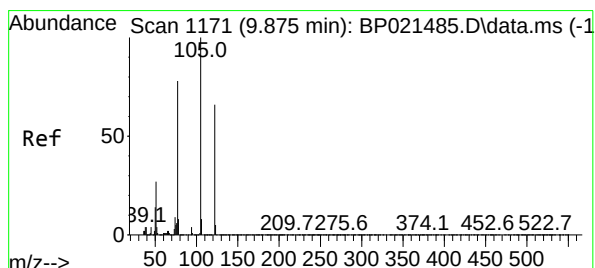
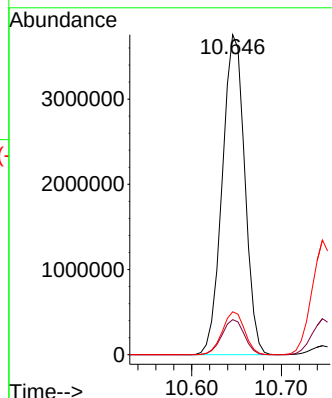
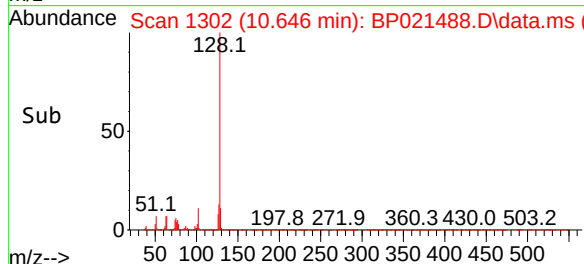
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



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

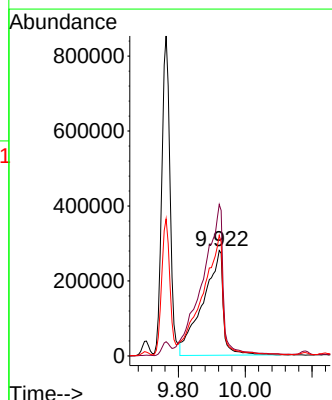
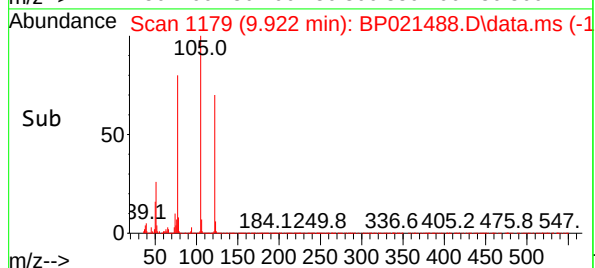
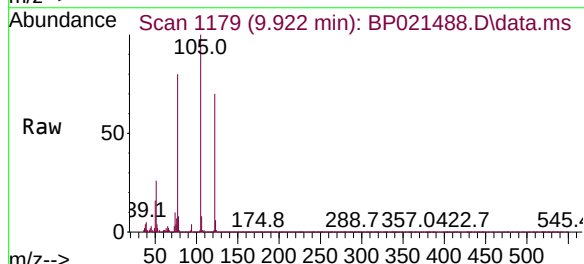
Manual Integrations
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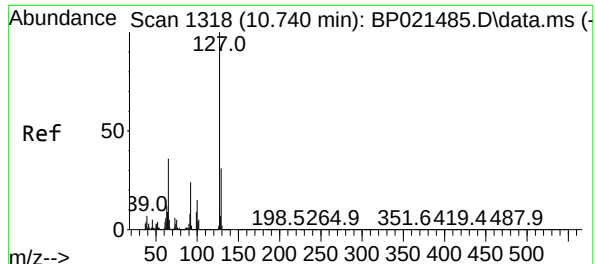
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

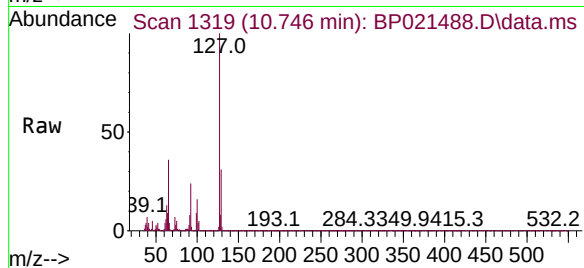
Tgt Ion:122 Resp: 1191515
Ion Ratio Lower Upper
122 100
105 143.7 124.6 164.6
77 114.4 96.2 136.2





#33
4-Chloroaniline
Concen: 77.568 ng
RT: 10.746 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

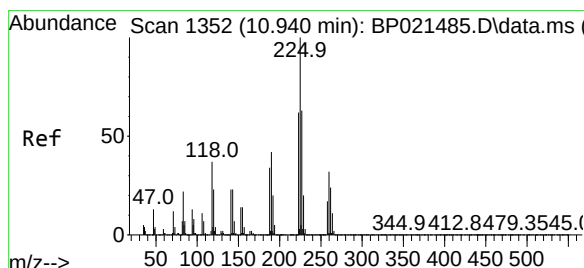
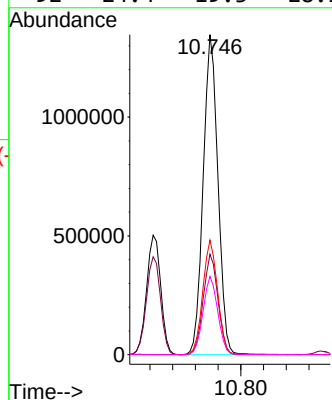
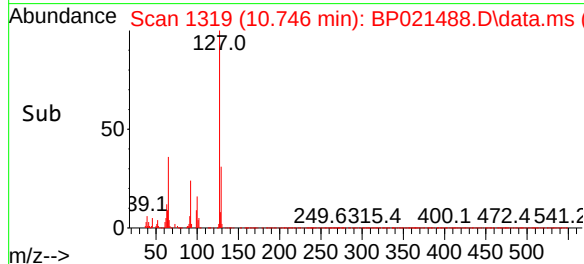
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



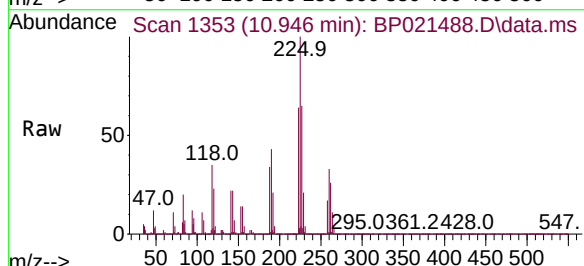
Tgt Ion:127 Resp: 2421138
Ion Ratio Lower Upper
127 100
129 31.4 24.5 36.7
65 35.8 28.9 43.3
92 24.4 19.3 28.9

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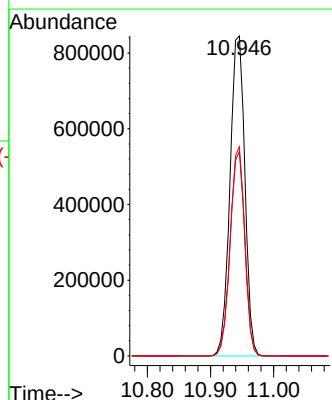
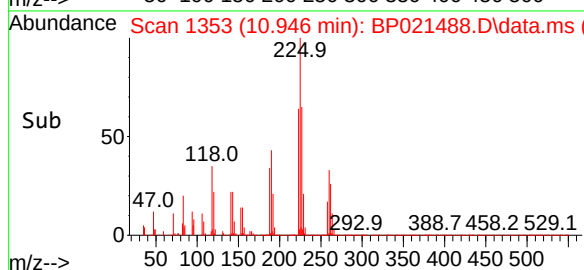
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

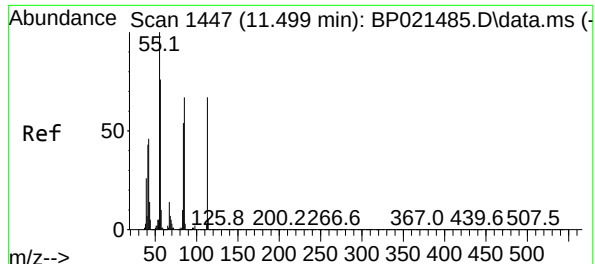


#34
Hexachlorobutadiene
Concen: 80.513 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36



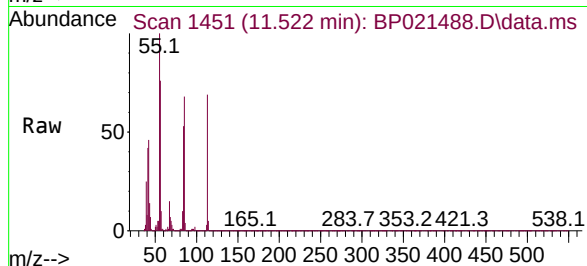
Tgt Ion:225 Resp: 1379696
Ion Ratio Lower Upper
225 100
223 63.8 49.6 74.4
227 65.3 50.1 75.1





#35
Caprolactam
Concen: 79.529 ng m
RT: 11.522 min Scan# 1447
Delta R.T. 0.023 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

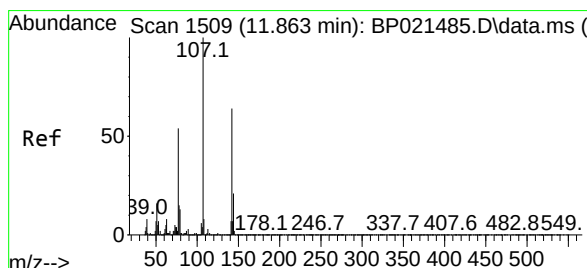
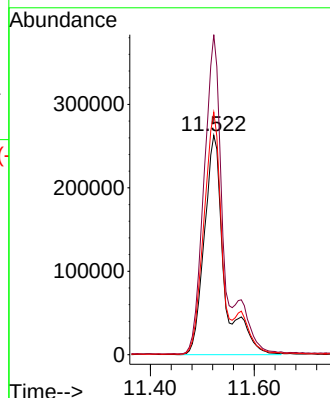
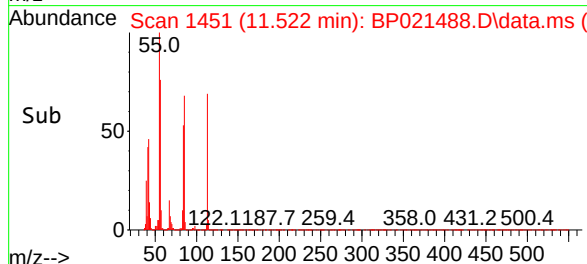
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



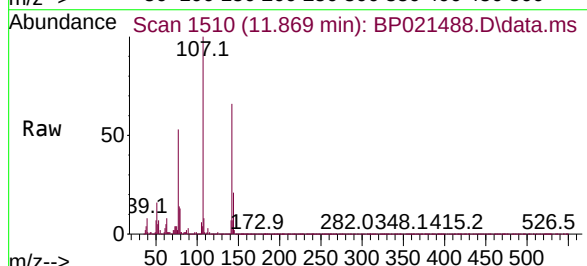
Tgt Ion:113 Resp: 702638
Ion Ratio Lower Upper
113 100
55 145.9 130.6 170.6
56 110.6 94.6 134.6

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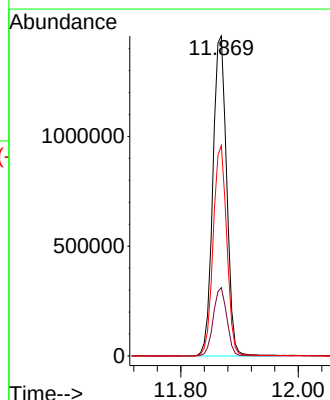
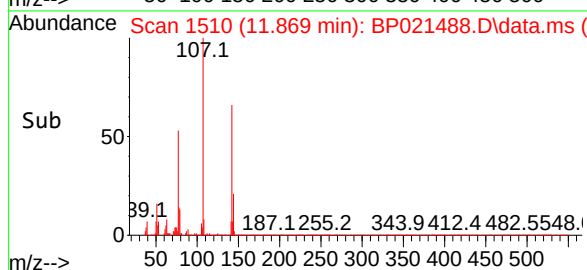
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

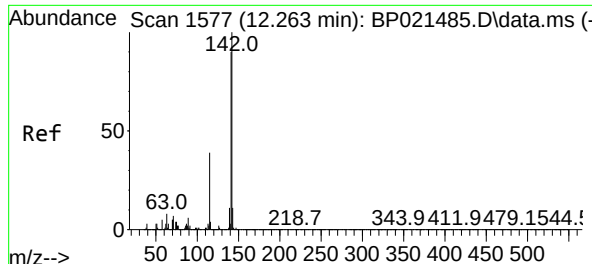


#36
4-Chloro-3-methylphenol
Concen: 80.436 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36



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





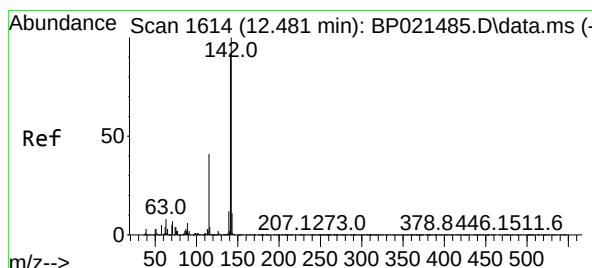
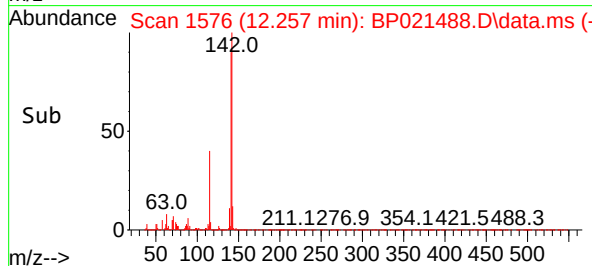
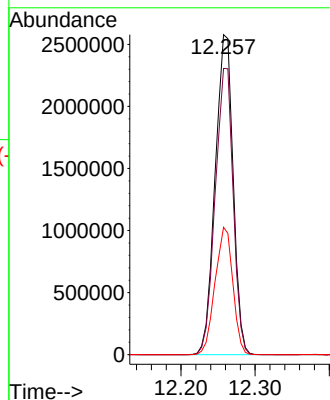
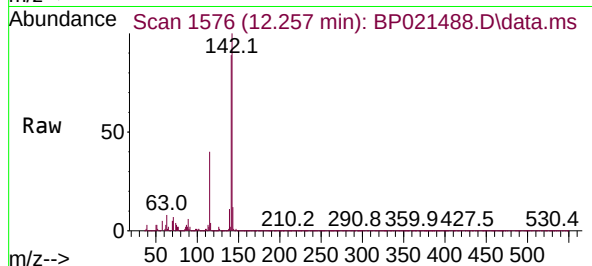
#37
2-Methylnaphthalene
Concen: 76.659 ng
RT: 12.257 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 4347439
Ion Ratio Lower Upper
142 100
141 89.5 71.7 107.5
115 39.8 31.4 47.2

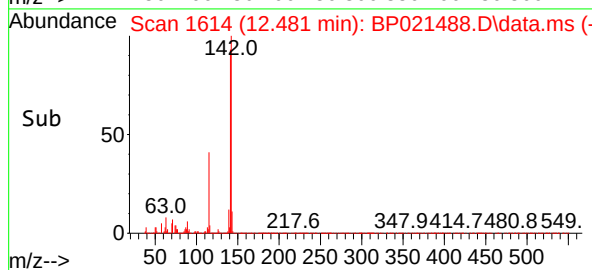
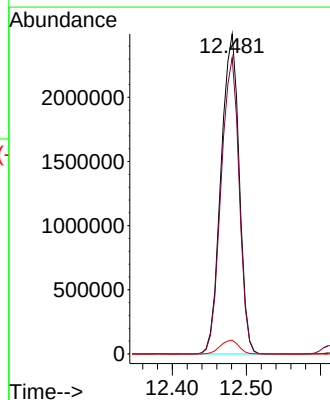
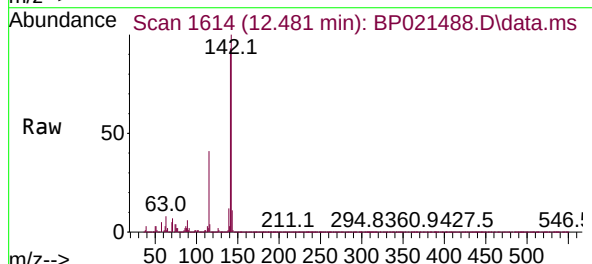
Manual Integrations
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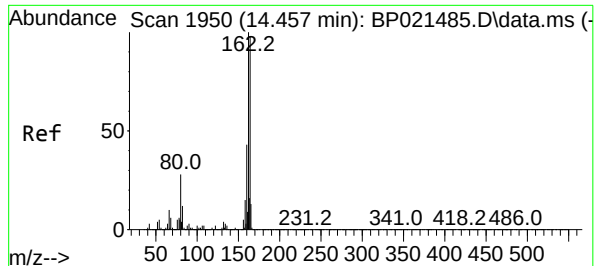
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1950

Delta R.T. -0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:164 Resp: 991938

Ion Ratio Lower Upper

164 100

162 99.9 81.5 122.3

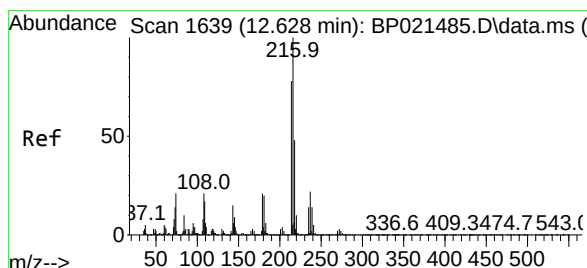
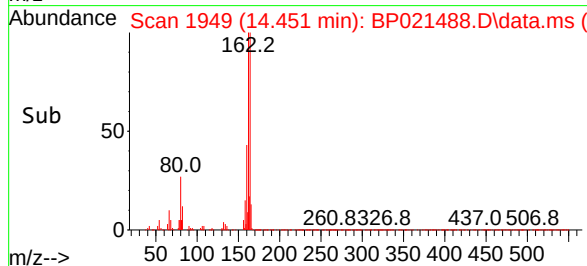
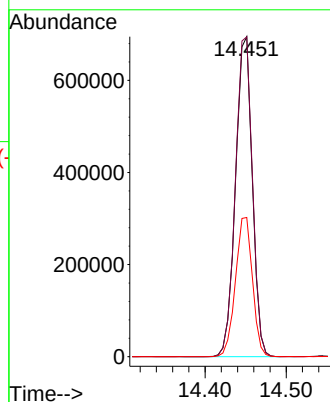
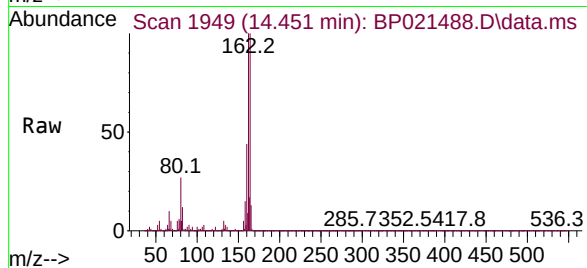
160 43.5 35.2 52.8

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: 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

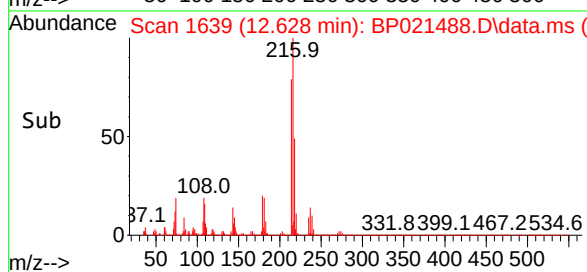
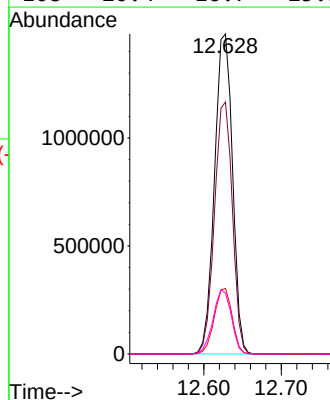
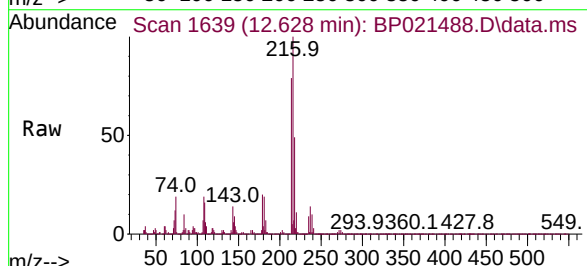
Ion Ratio Lower Upper

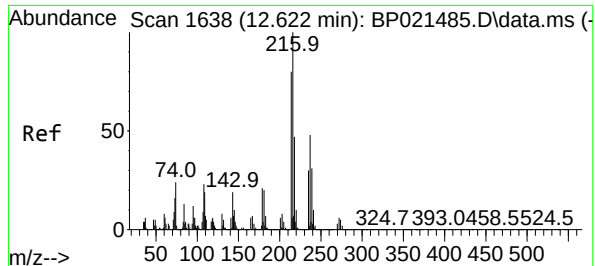
216 100

214 78.3 62.5 93.7

179 20.3 16.4 24.6

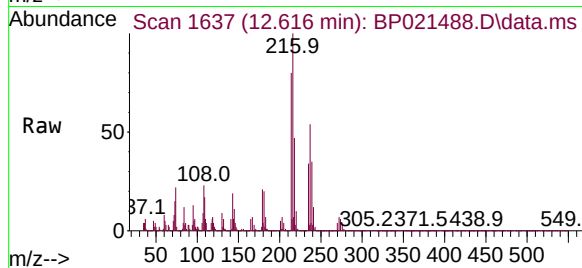
108 20.4 16.7 25.1





#41
Hexachlorocyclopentadiene
Concen: 91.971 ng
RT: 12.616 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

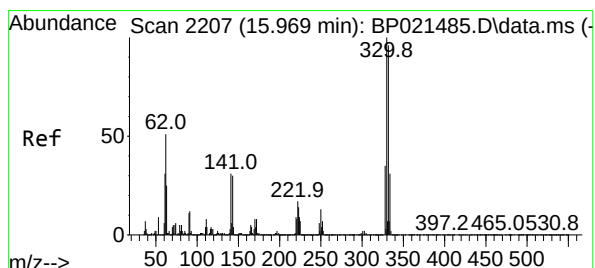
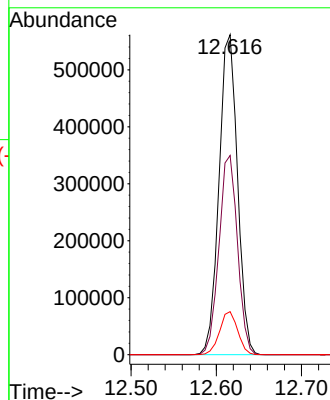
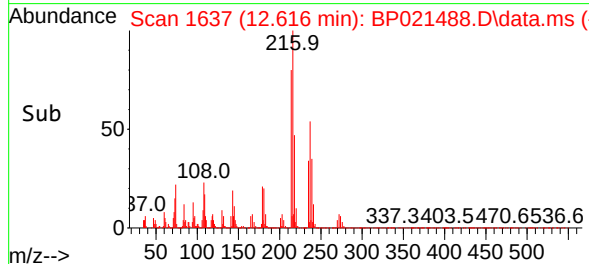
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion: 237 Resp: 847184
Ion Ratio Lower Upper
237 100
235 62.3 43.9 83.9
272 13.4 0.0 33.3

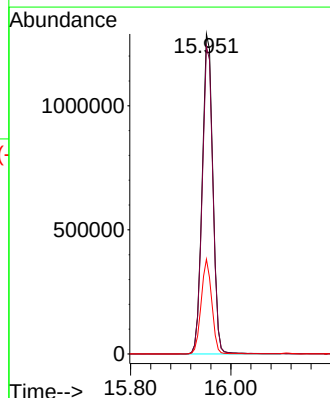
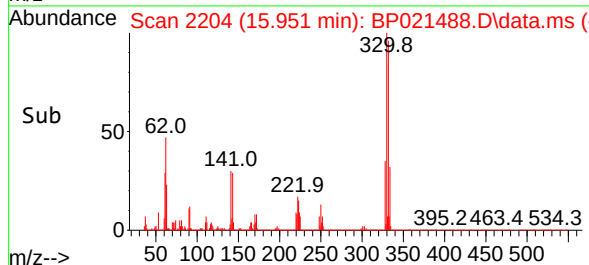
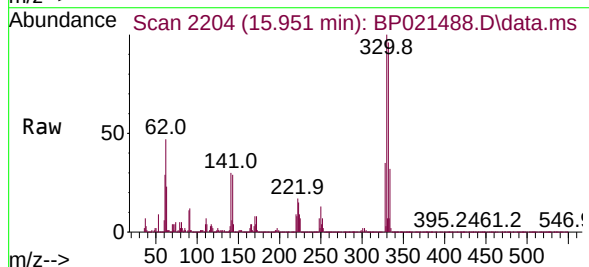
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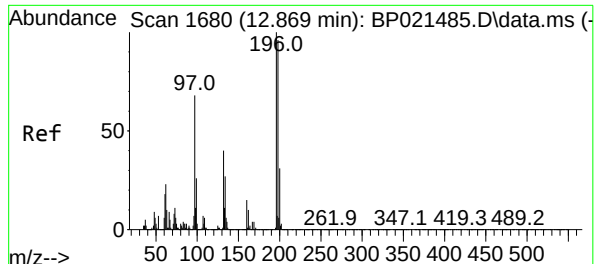
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#42
2,4,6-Tribromophenol
Concen: 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# 1680

Delta R.T. -0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:196 Resp: 1454749

Ion Ratio Lower Upper

196 100

198 95.8 76.6 114.8

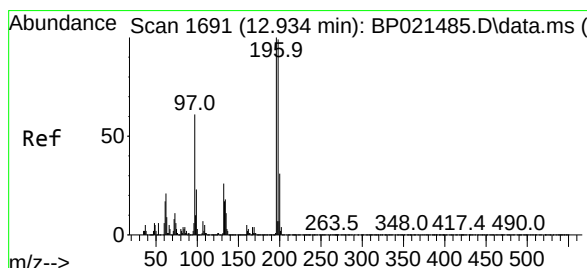
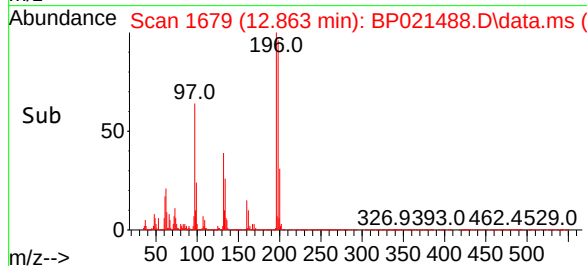
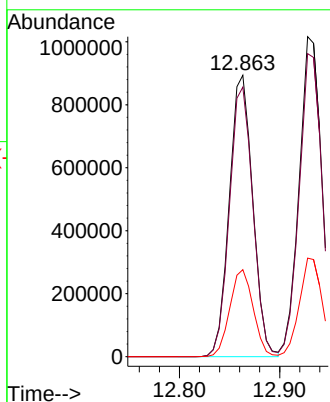
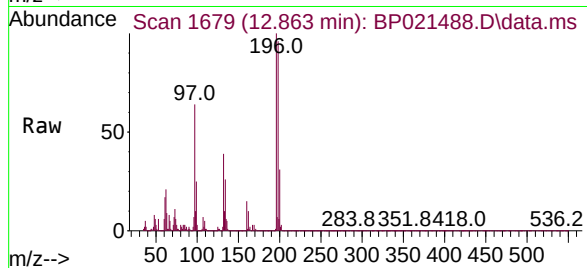
200 30.9 24.5 36.7

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

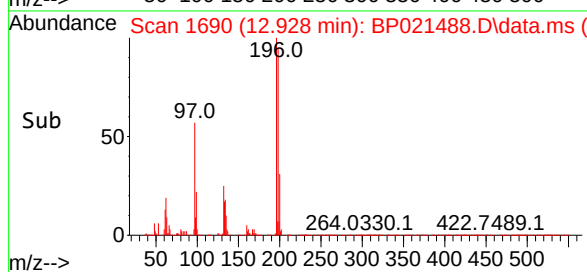
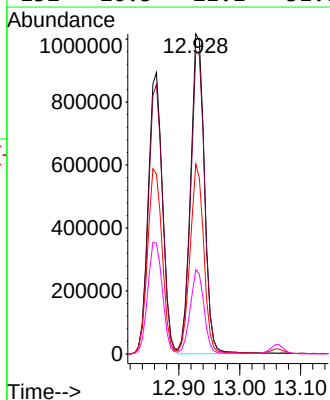
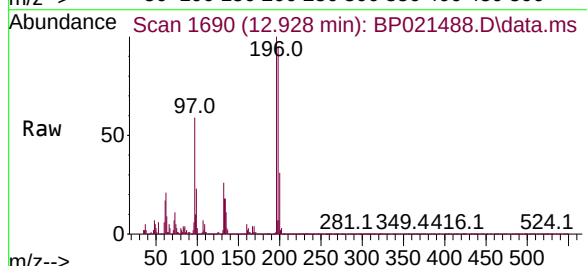
Ion Ratio Lower Upper

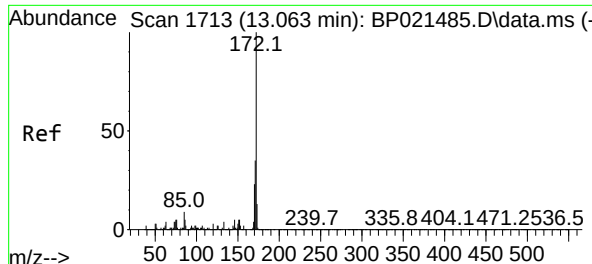
196 100

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# 1713

Delta R.T. -0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:172 Resp: 9945684

Ion Ratio Lower Upper

172 100

171 36.2 28.2 42.4

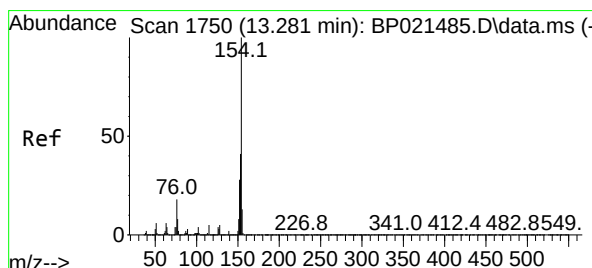
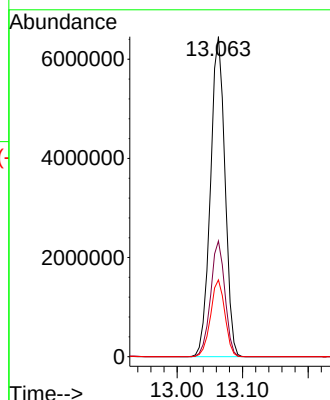
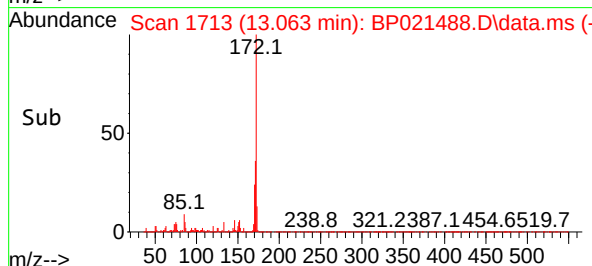
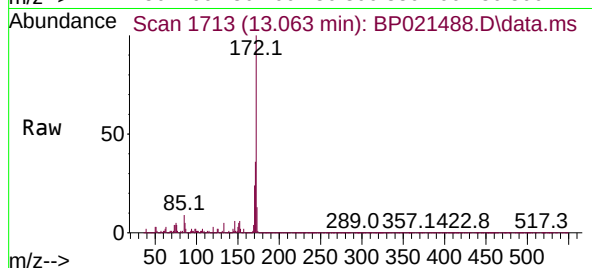
170 24.0 18.4 27.6

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

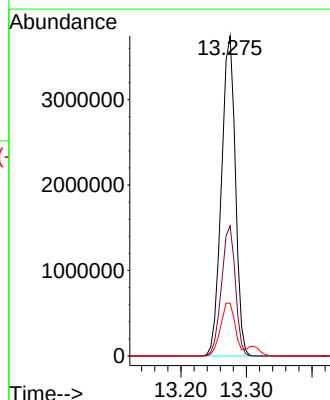
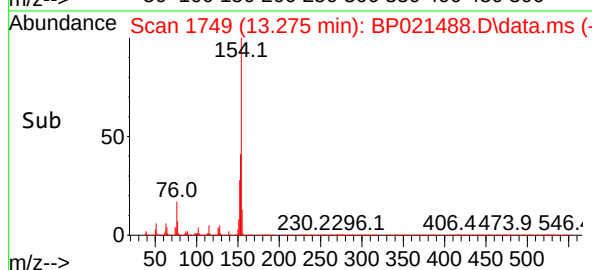
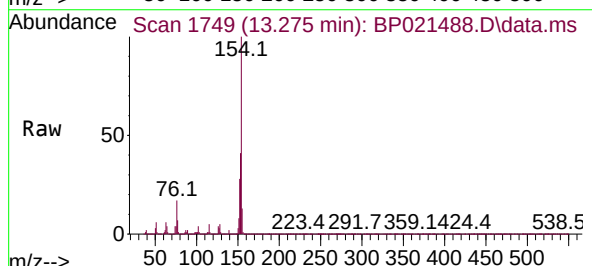
Tgt Ion:154 Resp: 5498161

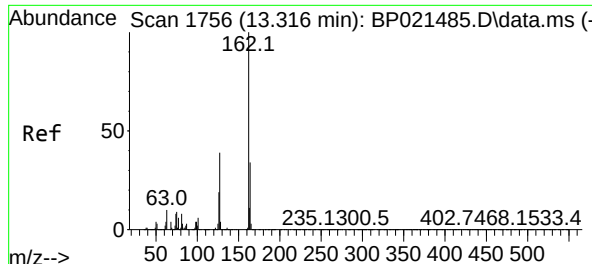
Ion Ratio Lower Upper

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# 1755

Delta R.T. -0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:162 Resp: 4315309

Ion Ratio Lower Upper

162 100

127 40.9 31.9 47.9

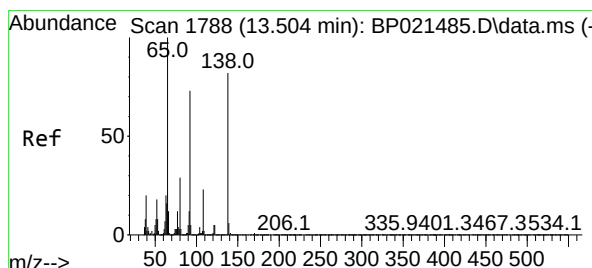
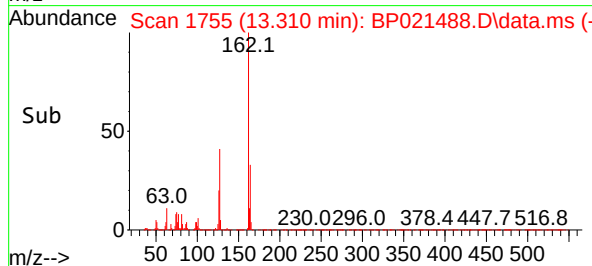
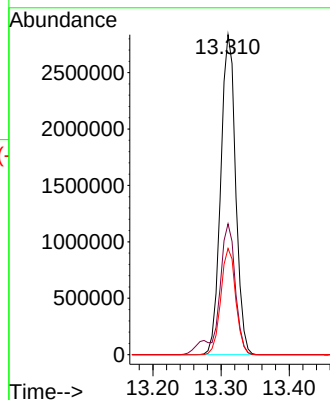
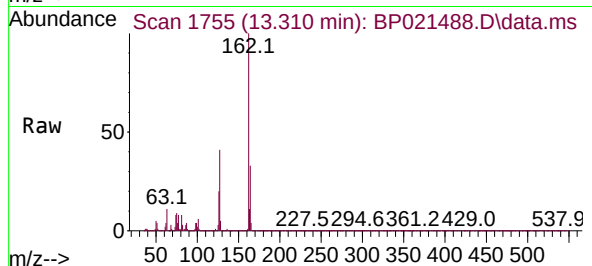
164 33.2 26.8 40.2

Manual Integrations

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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

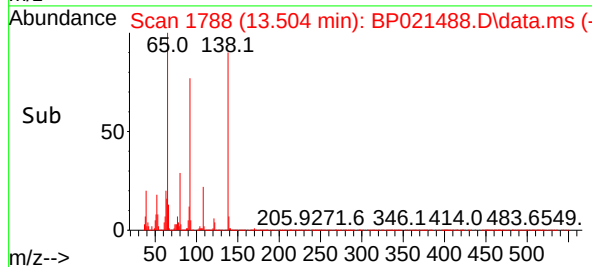
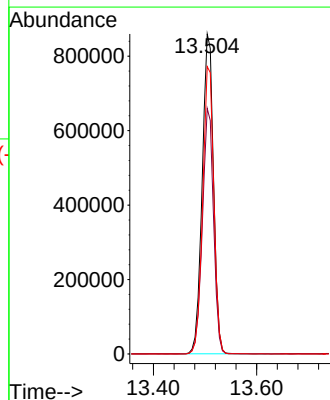
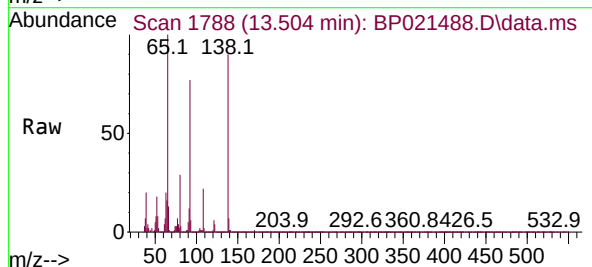
Tgt Ion: 65 Resp: 1301093

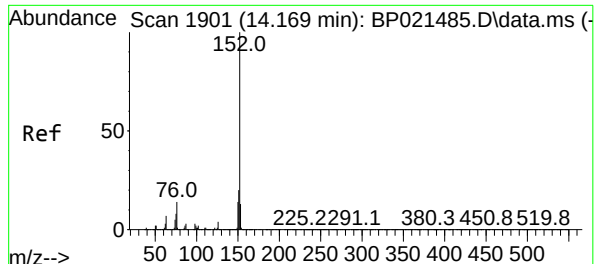
Ion Ratio Lower Upper

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# 1901

Delta R.T. -0.000 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:152 Resp: 6229370

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

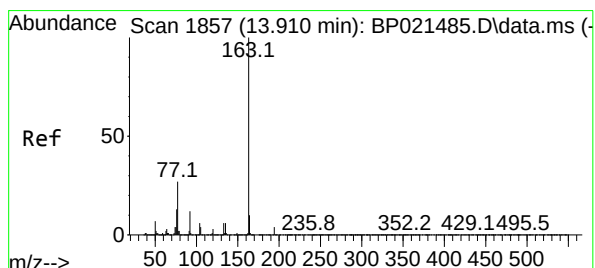
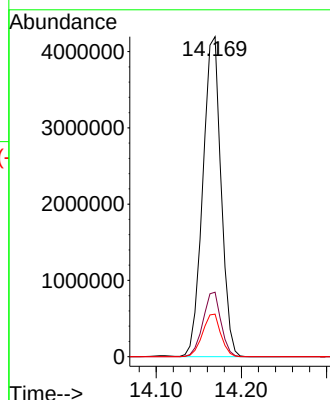
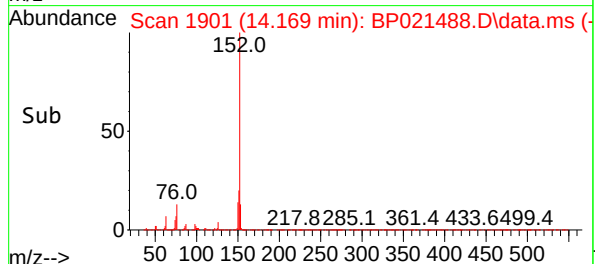
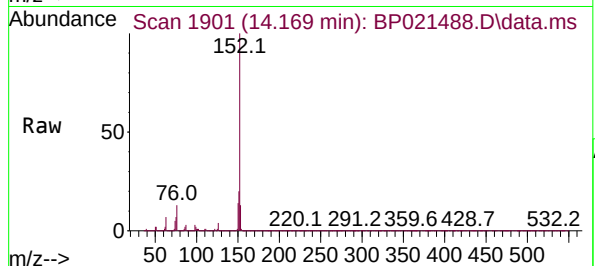
153 13.3 10.6 16.0

Manual Integrations

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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

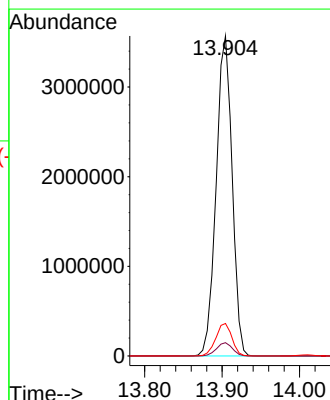
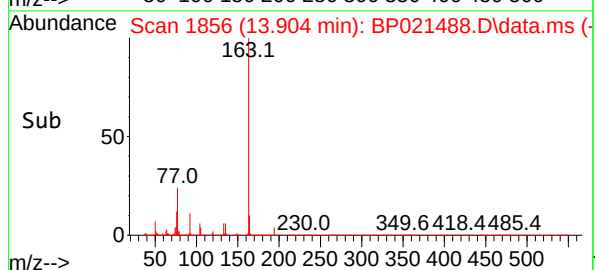
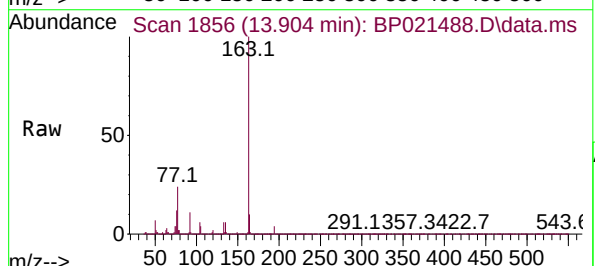
Tgt Ion:163 Resp: 5104657

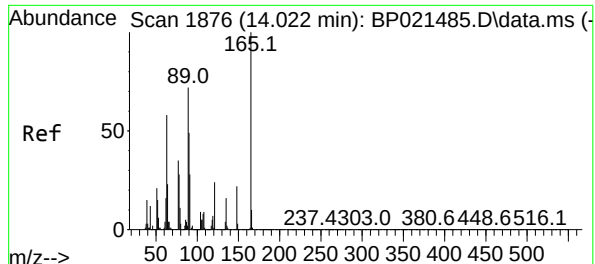
Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

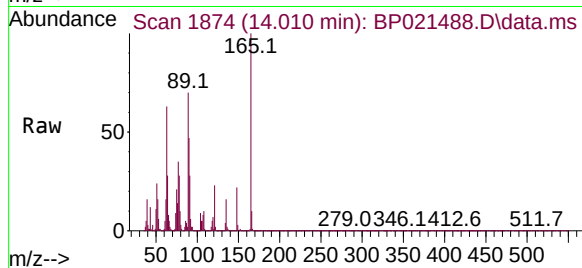
164 10.2 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 80.745 ng
RT: 14.010 min Scan# 1874
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

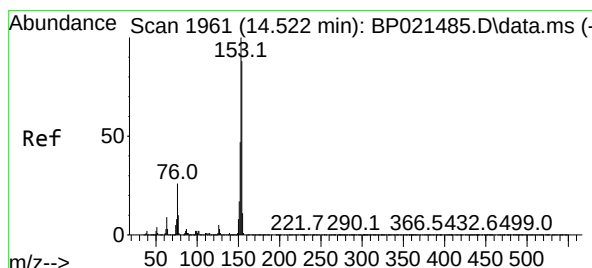
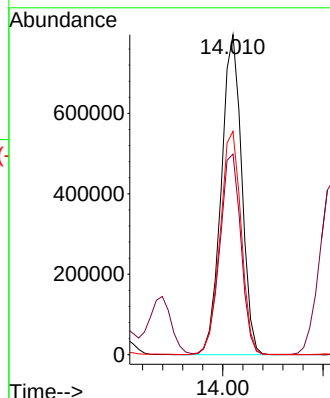
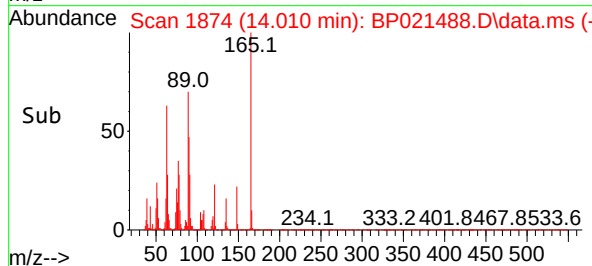
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 1121870
Ion Ratio Lower Upper
165 100
63 62.7 51.5 77.3
89 69.8 57.8 86.8

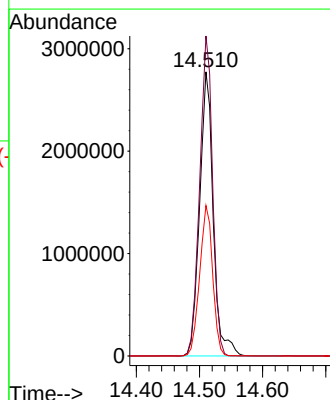
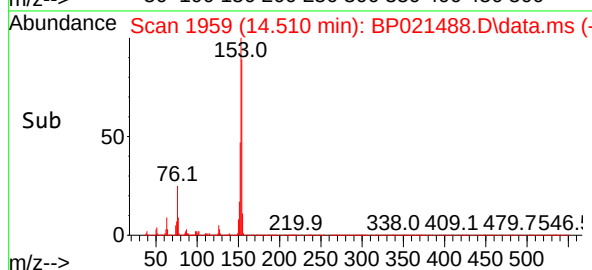
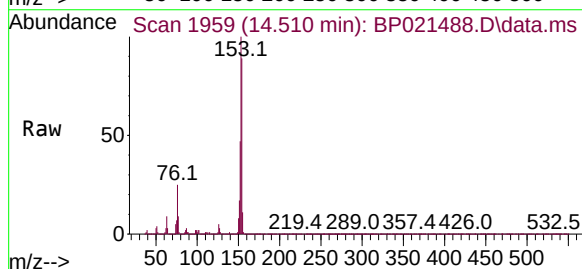
Manual Integrations
APPROVED

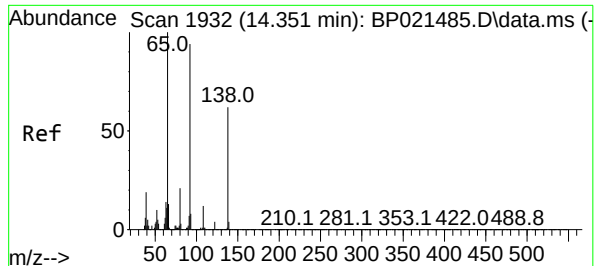
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

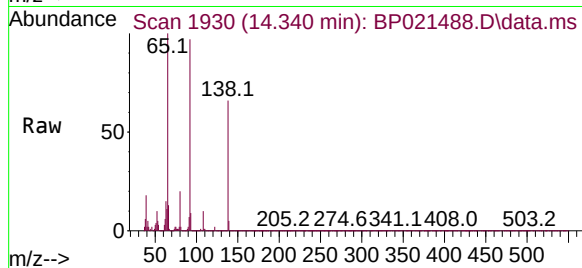
Tgt Ion:154 Resp: 4136001
Ion Ratio Lower Upper
154 100
153 112.6 91.1 136.7
152 52.9 43.0 64.4





#53
3-Nitroaniline
Concen: 80.567 ng
RT: 14.340 min Scan# 1930
Delta R.T. -0.011 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

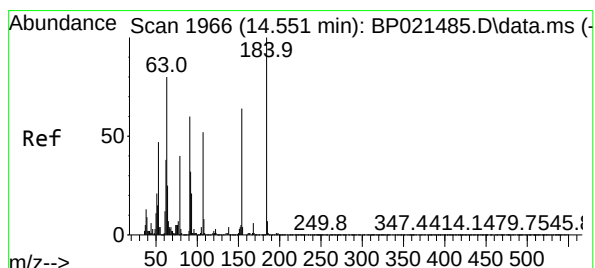
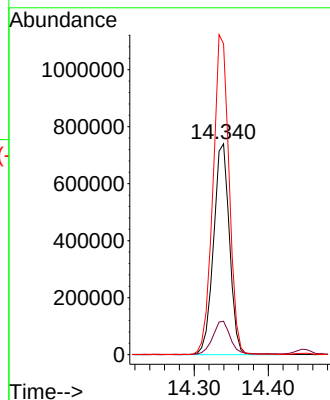
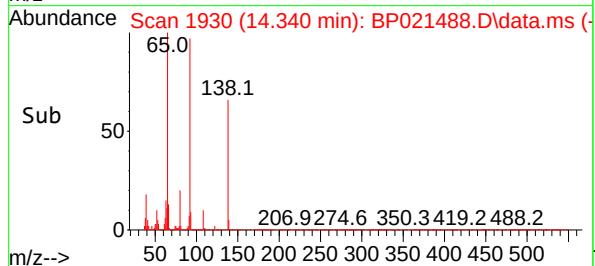
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:138 Resp: 1100154
Ion Ratio Lower Upper
138 100
108 15.9 16.2 24.4
92 147.4 122.2 183.4

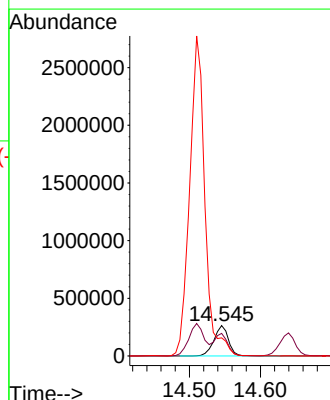
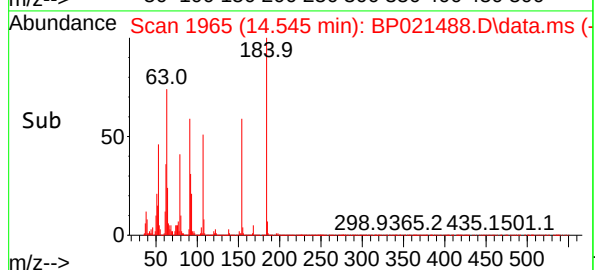
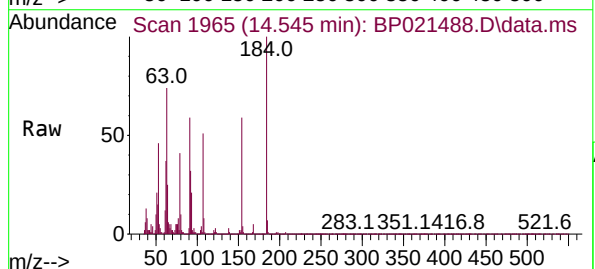
Manual Integrations
APPROVED

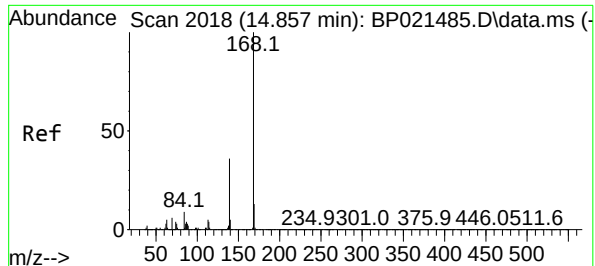
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

Dibenzenofuran

Concen: 77.067 ng

RT: 14.851 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:168 Resp: 6247950

Ion Ratio Lower Upper

168 100

139 36.3 28.6 43.0

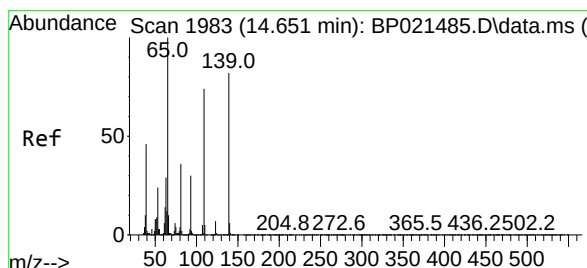
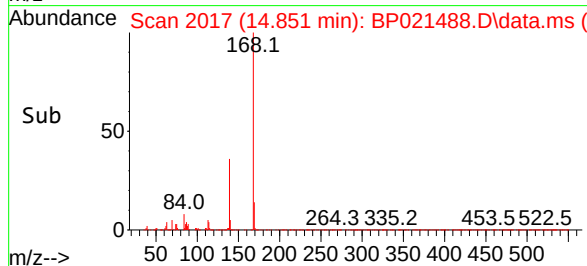
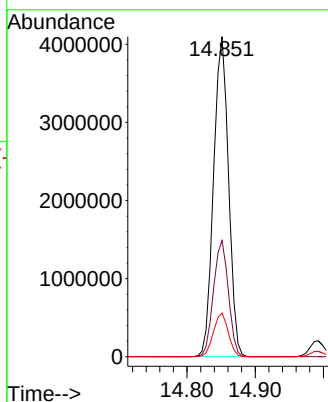
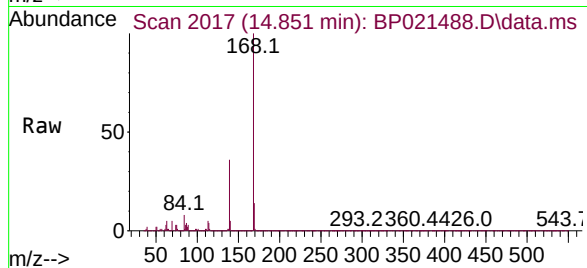
169 13.7 10.6 16.0

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

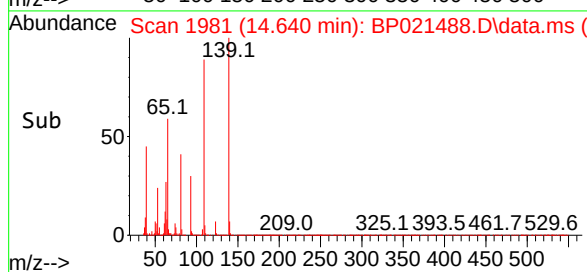
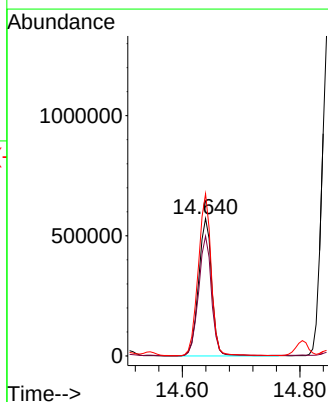
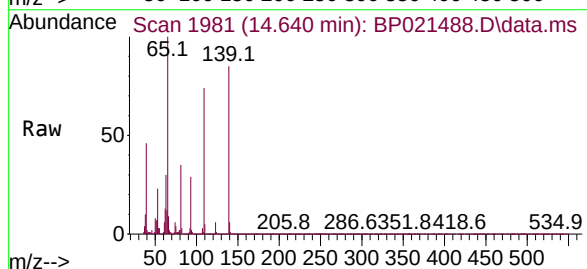
Tgt Ion:139 Resp: 885944

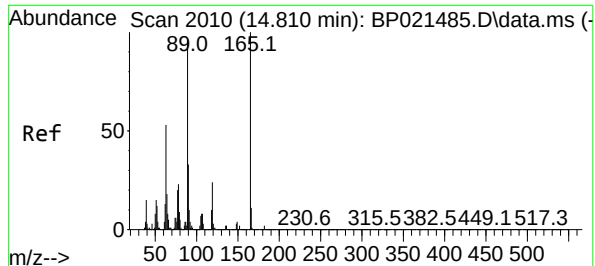
Ion Ratio Lower Upper

139 100

109 87.2 70.2 110.2

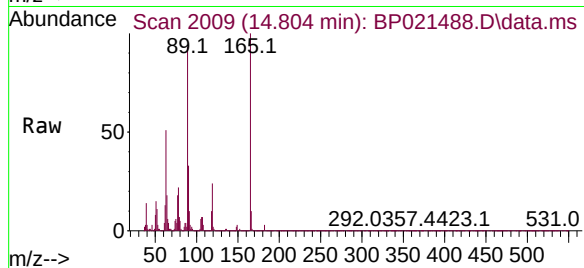
65 117.9 101.8 141.8





#57
2,4-Dinitrotoluene
Concen: 81.172 ng
RT: 14.804 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

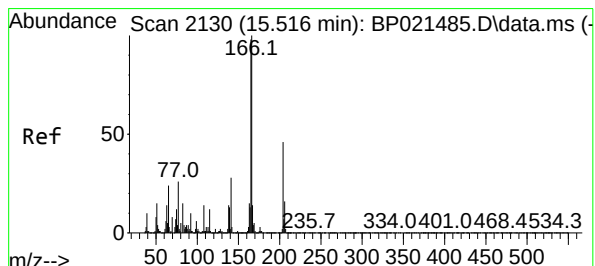
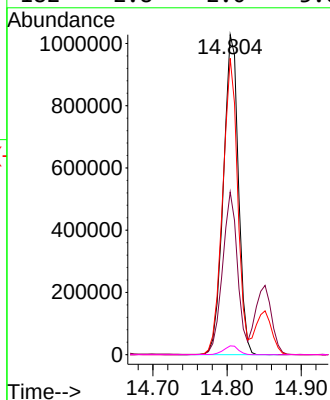
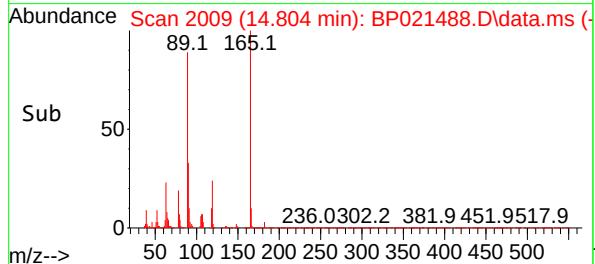
Instrument :
BNA_P
Client Sample Id :
SSTDICC080



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

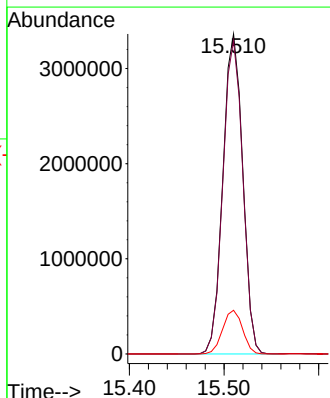
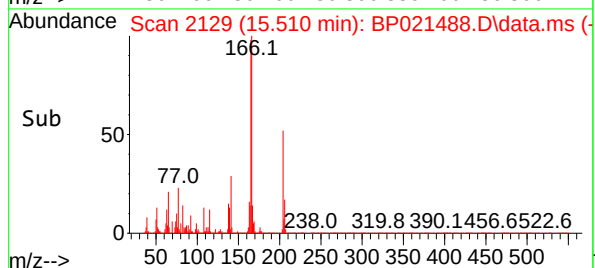
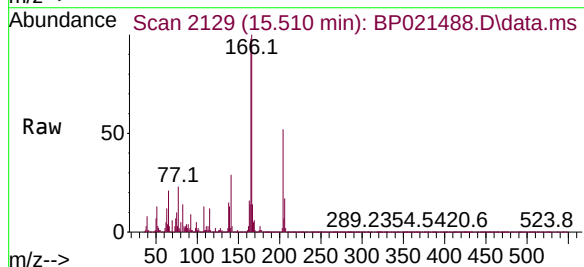
Manual Integrations
APPROVED

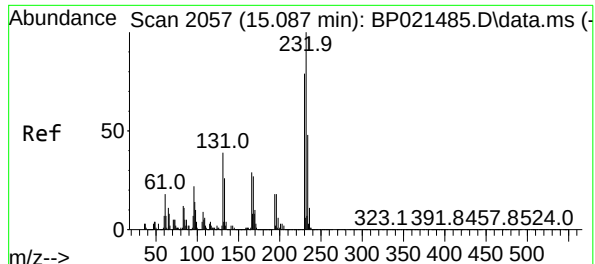
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 2055

Delta R.T. -0.012 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

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

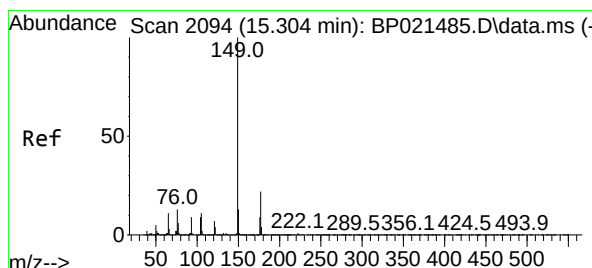
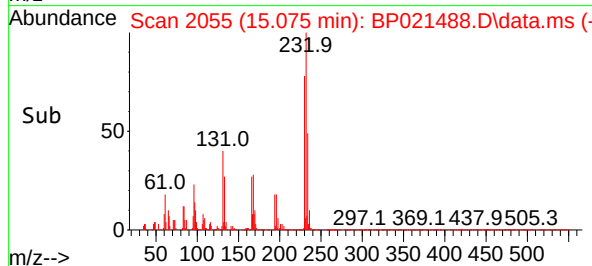
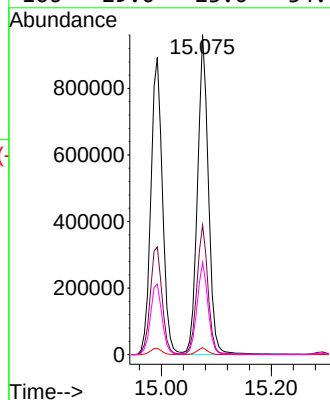
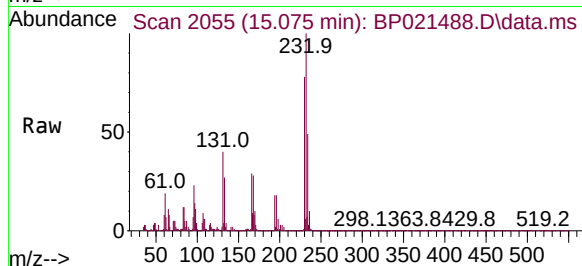
166 29.0 23.0 34.4

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

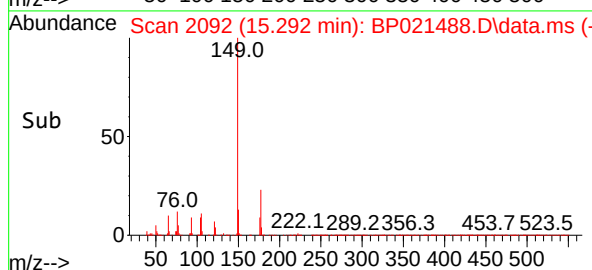
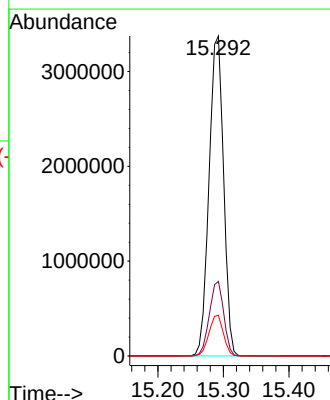
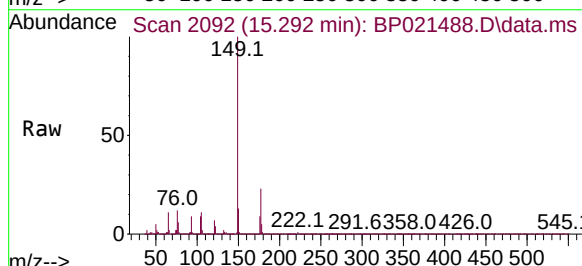
Tgt Ion:149 Resp: 5198353

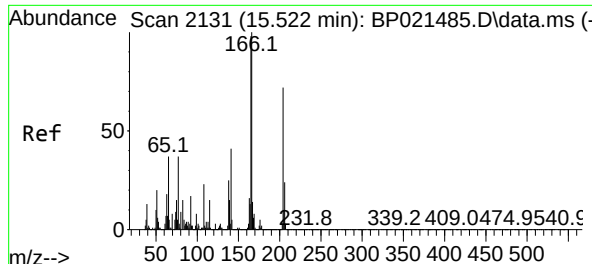
Ion Ratio Lower Upper

149 100

177 23.3 17.8 26.8

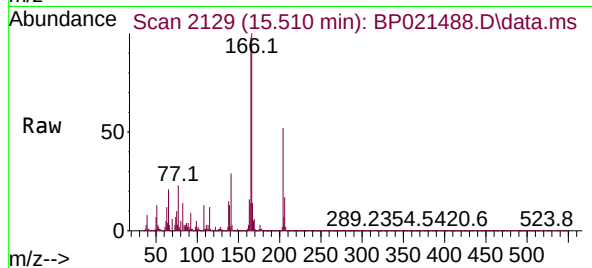
150 12.7 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 74.256 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

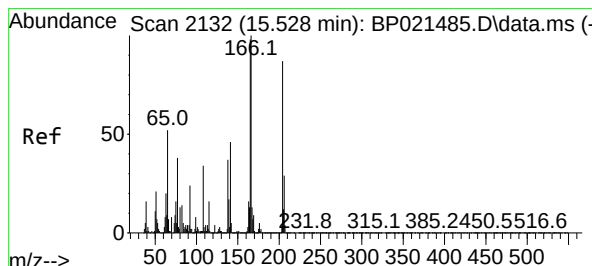
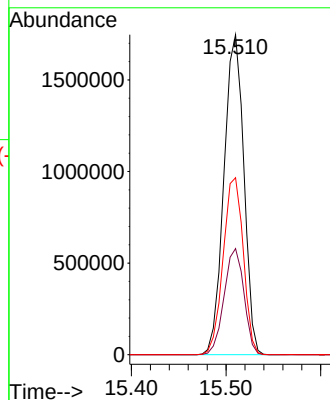
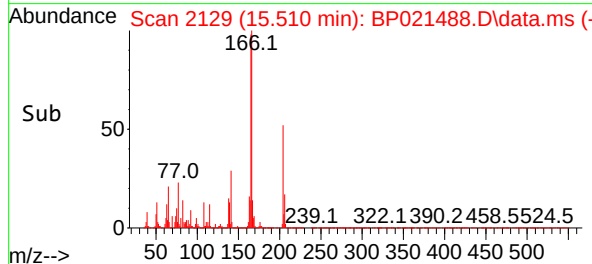
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:204 Resp: 2556419
Ion Ratio Lower Upper
204 100
206 33.2 26.4 39.6
141 55.3 46.1 69.1

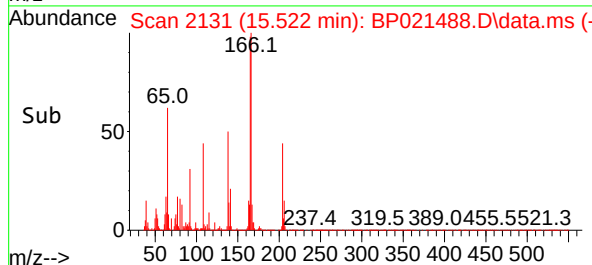
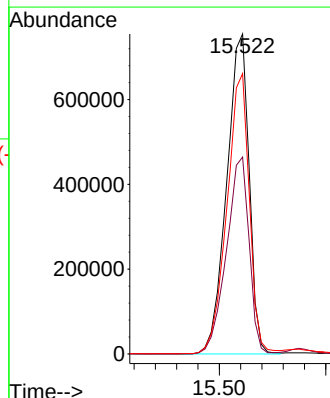
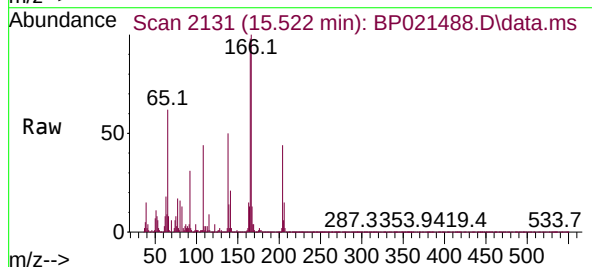
Manual Integrations
APPROVED

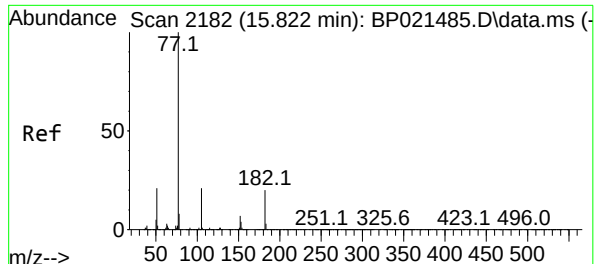
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

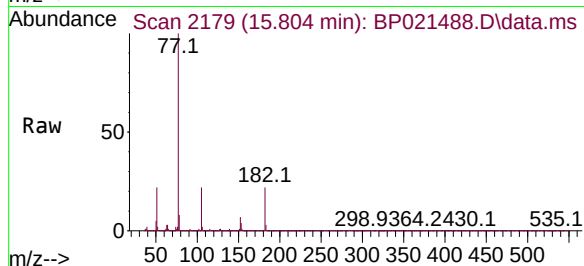
Tgt Ion:138 Resp: 1101954
Ion Ratio Lower Upper
138 100
92 61.5 46.4 86.4
108 87.6 73.2 113.2





#63
Azobenzene
Concen: 73.633 ng
RT: 15.804 min Scan# 2182
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

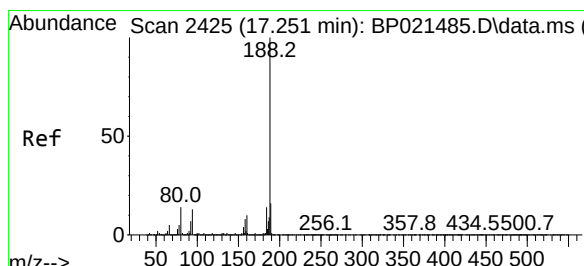
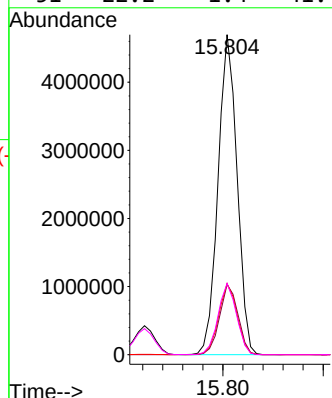
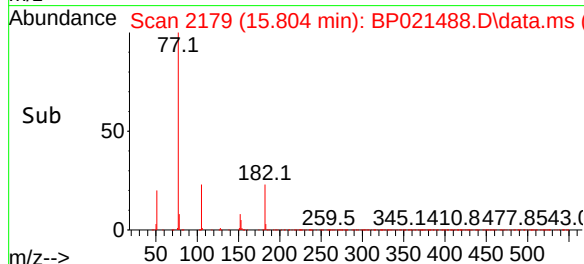
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



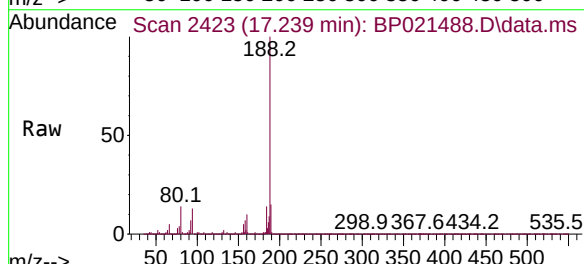
Tgt Ion: 77 Resp: 616925
Ion Ratio Lower Upper
77 100
182 22.0 0.0 39.9
105 22.2 0.9 40.9
51 22.2 1.4 41.4

Manual Integrations
APPROVED

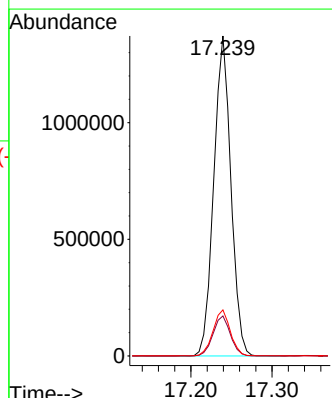
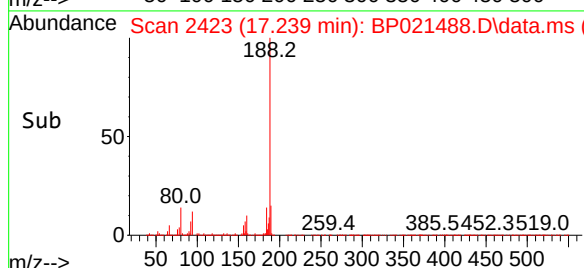
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

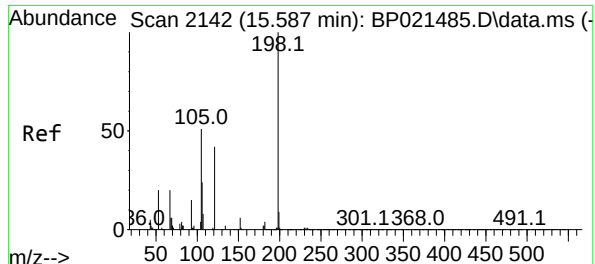


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36



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# 2140

Delta R.T. -0.012 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:198 Resp: 600080

Ion Ratio Lower Upper

198 100

51 41.2 21.5 61.5

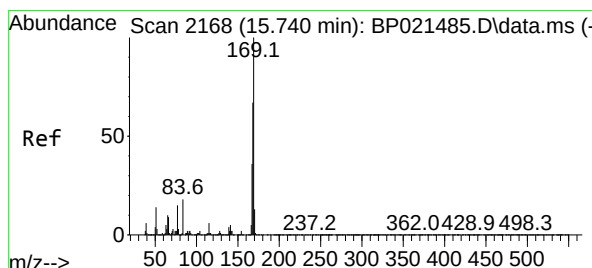
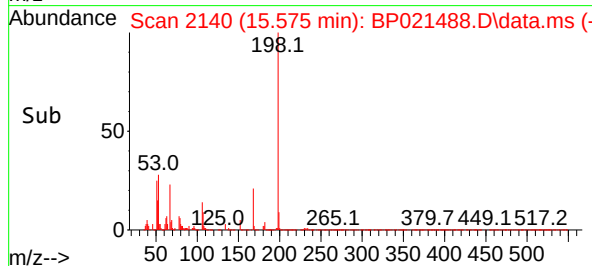
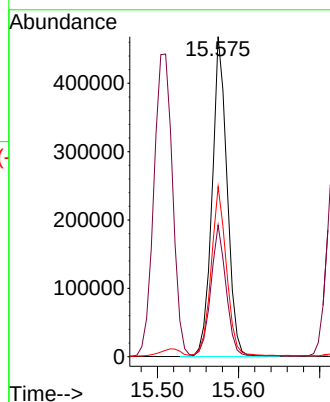
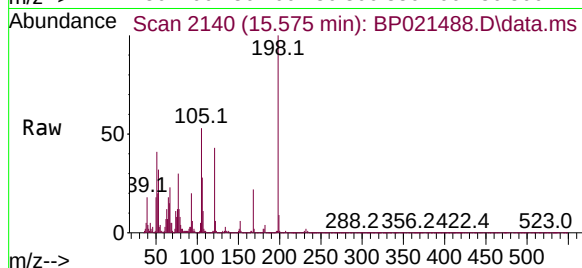
105 53.1 32.9 72.9

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

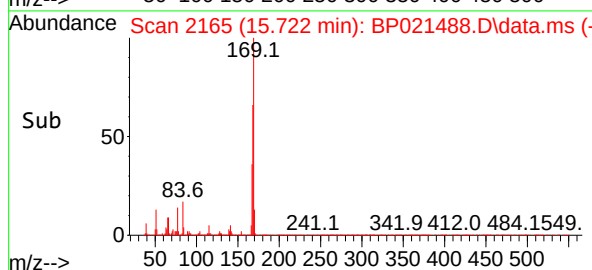
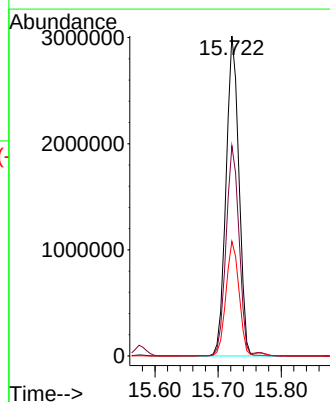
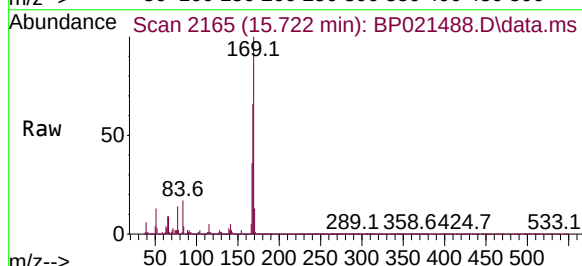
Tgt Ion:169 Resp: 4264380

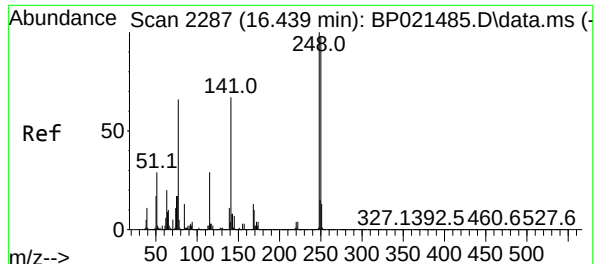
Ion Ratio Lower Upper

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# 2287

Delta R.T. -0.024 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:248 Resp: 1731598

Ion Ratio Lower Upper

248 100

250 97.7 78.6 117.8

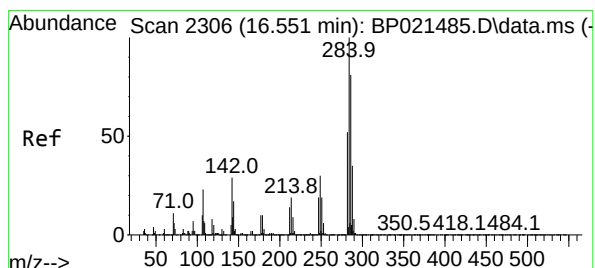
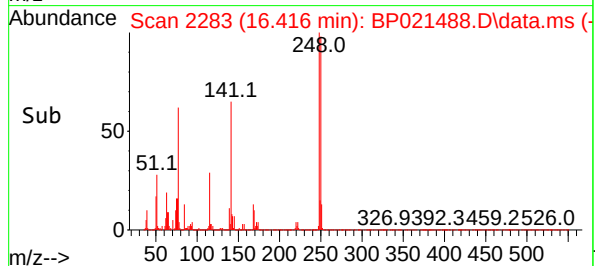
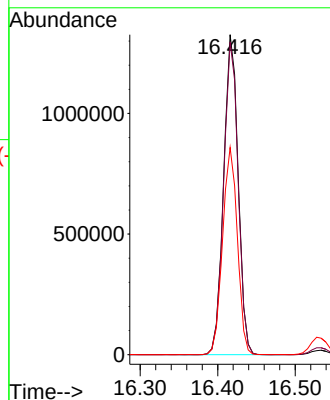
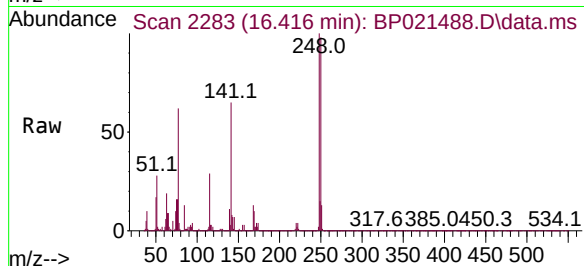
141 64.7 53.9 80.9

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

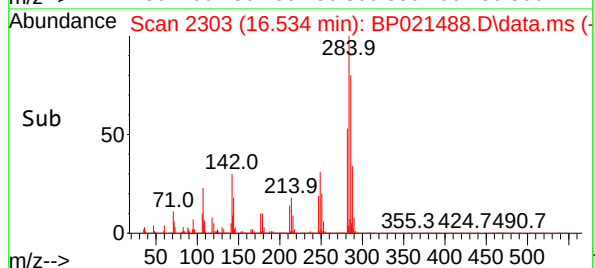
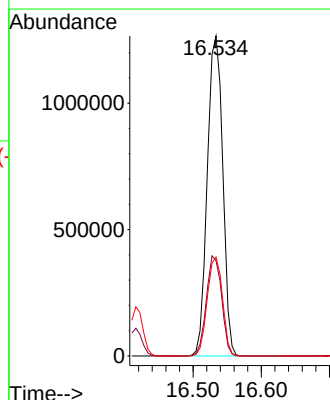
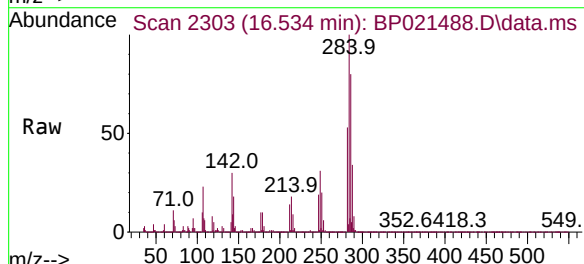
Tgt Ion:284 Resp: 1994136

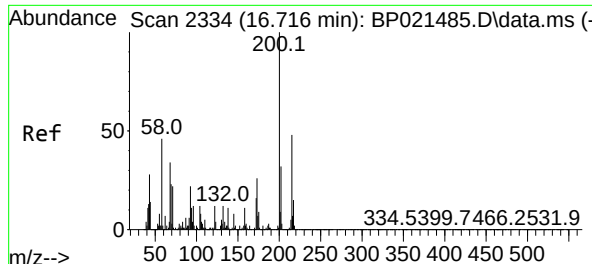
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.018 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:200 Resp: 139564

Ion Ratio Lower Upper

200 100

173 26.1 6.2 46.2

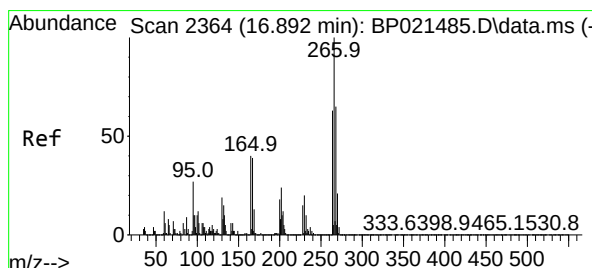
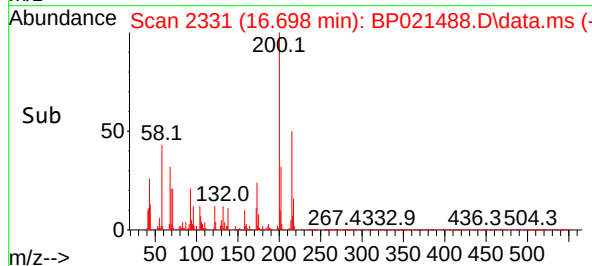
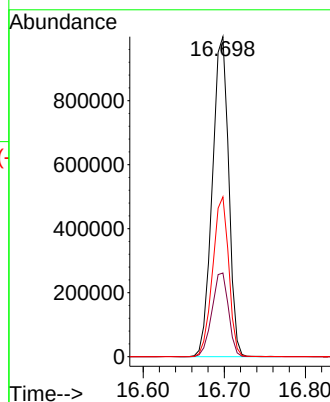
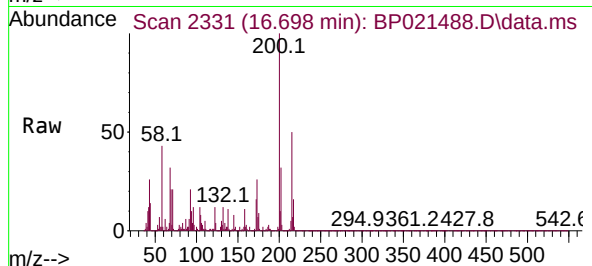
215 49.9 28.4 68.4

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

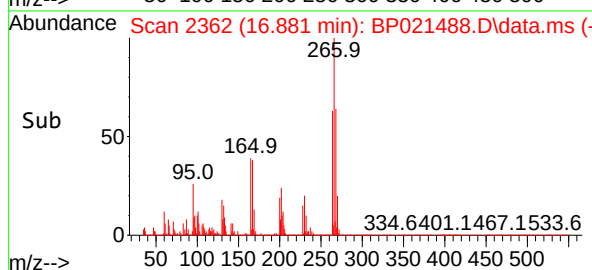
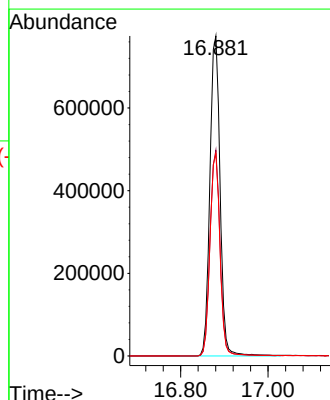
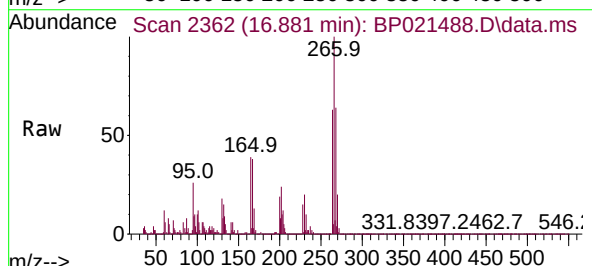
Tgt Ion:266 Resp: 1256277

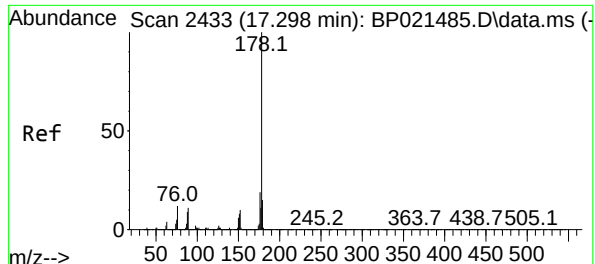
Ion Ratio Lower Upper

266 100

268 64.2 51.8 77.6

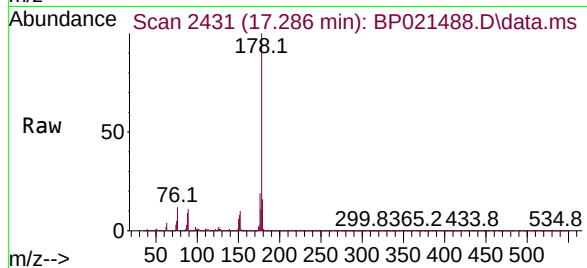
264 63.3 50.5 75.7





#71
Phenanthrene
Concen: 77.481 ng
RT: 17.286 min Scan# 2433
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

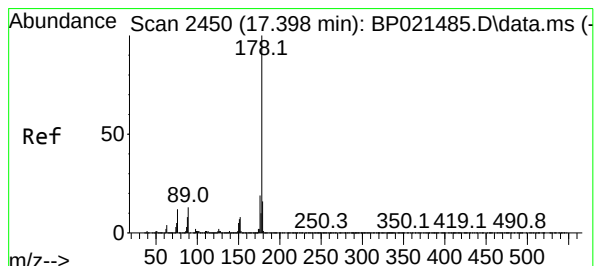
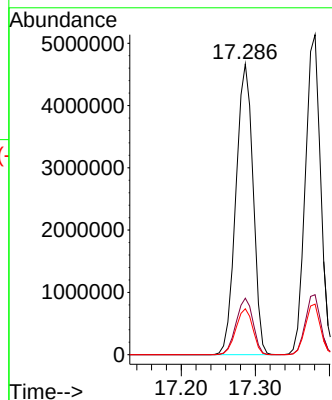
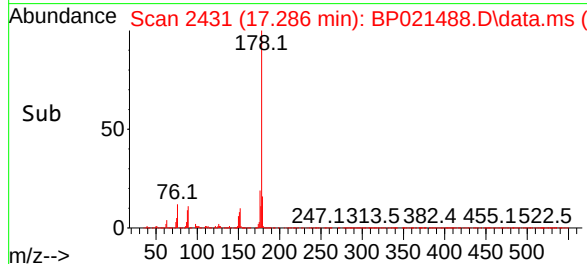
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:178 Resp: 7482235
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 15.8 12.4 18.6

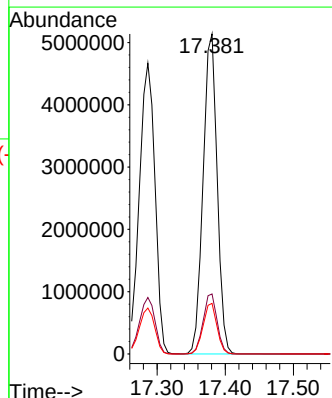
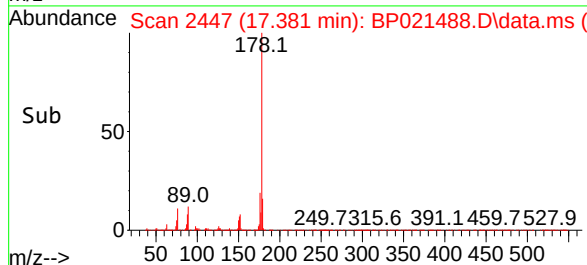
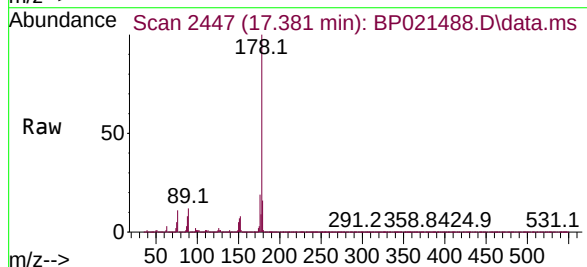
Manual Integrations
APPROVED

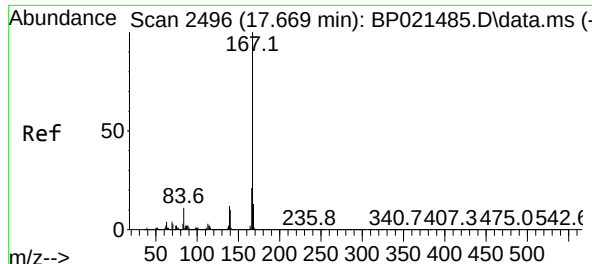
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

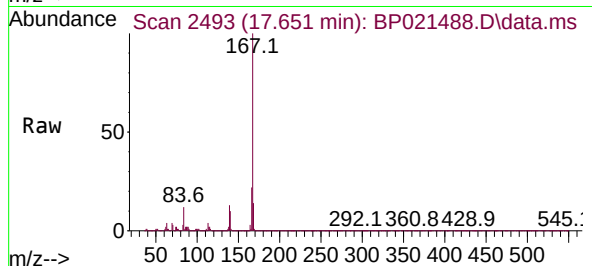
Tgt Ion:178 Resp: 7350512
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.8 12.5 18.7





#73
Carbazole
Concen: 78.491 ng
RT: 17.651 min Scan# 2493
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

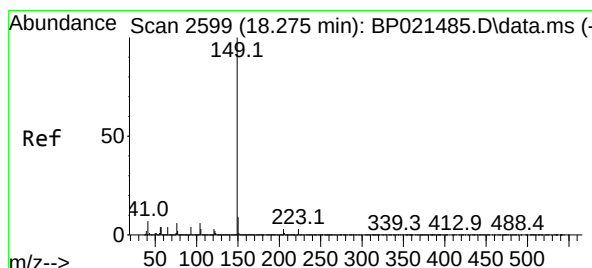
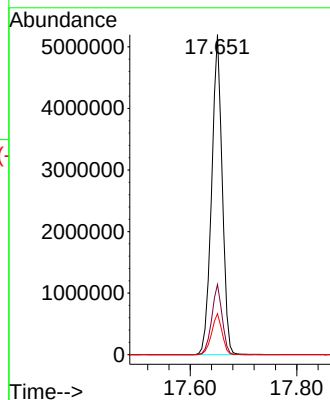
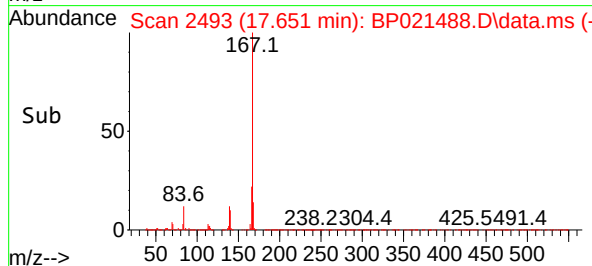
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



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

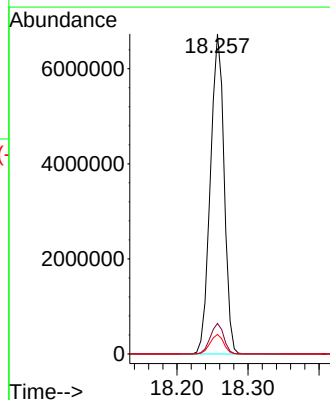
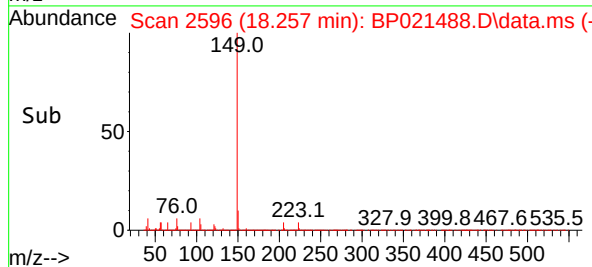
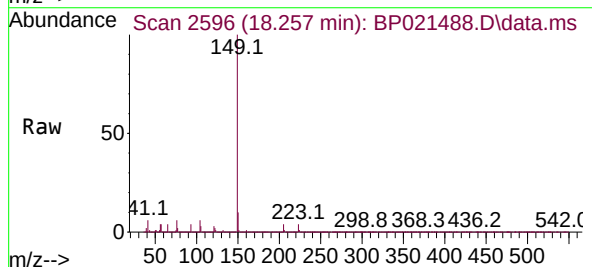
Manual Integrations
APPROVED

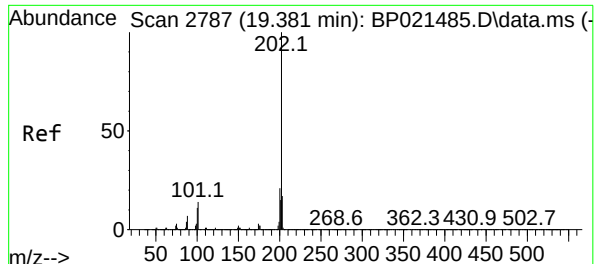
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

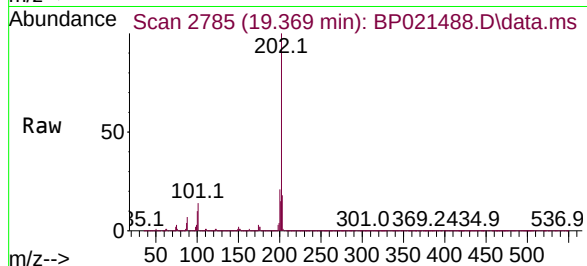
Tgt Ion:149 Resp: 9044596
Ion Ratio Lower Upper
149 100
150 9.6 7.5 11.3
104 6.1 4.9 7.3





#75
Fluoranthene
Concen: 77.525 ng
RT: 19.369 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

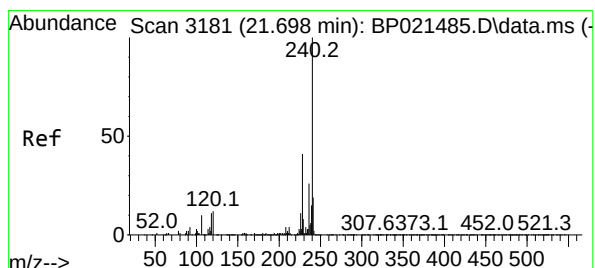
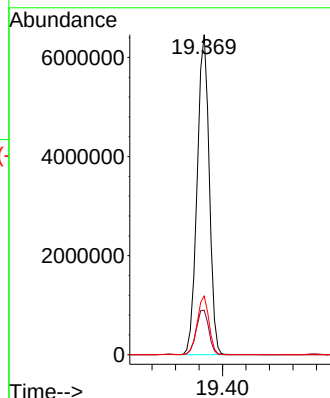
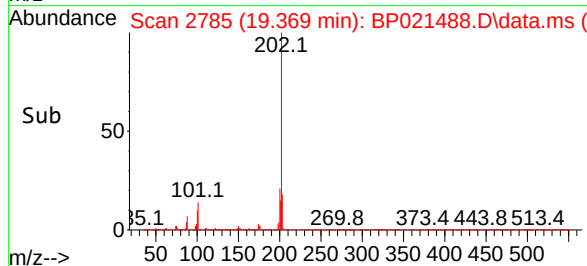
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 9185830
Ion Ratio Lower Upper
202 100
101 13.9 0.0 34.0
203 18.3 0.0 37.5

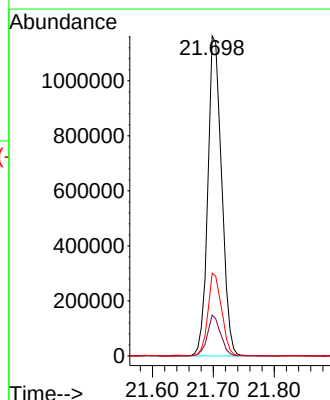
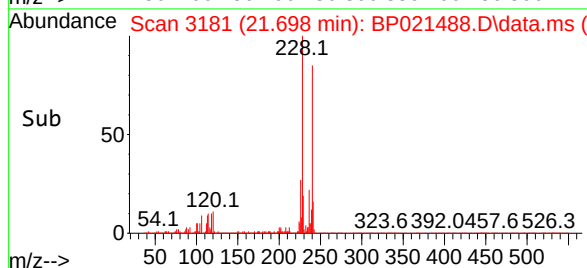
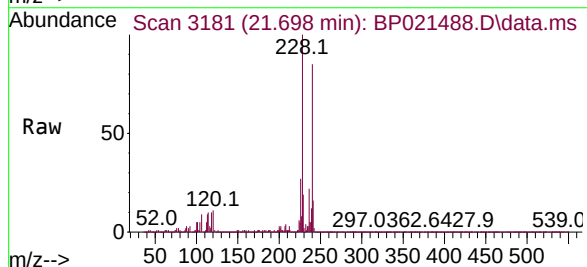
Manual Integrations
APPROVED

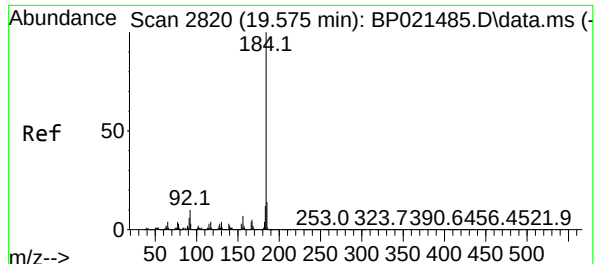
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

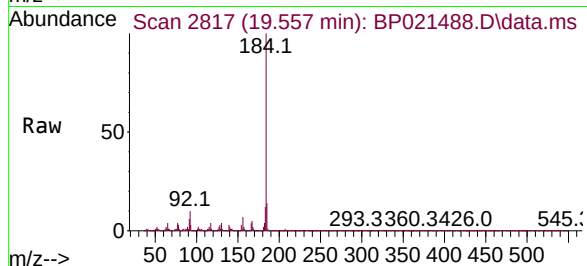
Tgt Ion:240 Resp: 1834396
Ion Ratio Lower Upper
240 100
120 12.8 9.9 14.9
236 25.8 20.6 30.8





#77
Benzidine
Concen: 82.290 ng
RT: 19.557 min Scan# 2817
Delta R.T. -0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

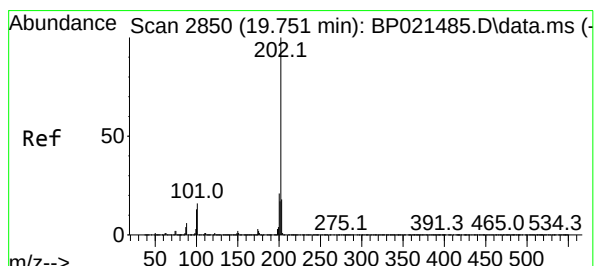
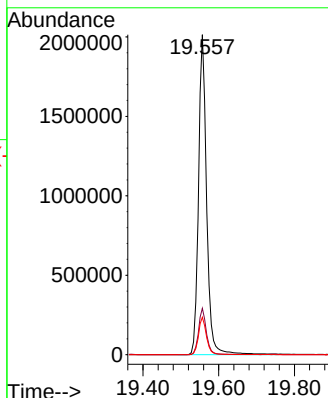
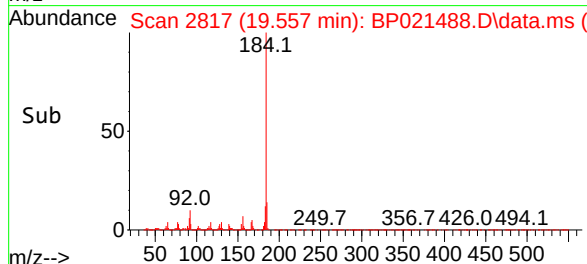
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



Tgt Ion:184 Resp: 3000610
Ion Ratio Lower Upper
184 100
185 14.5 11.4 17.0
183 11.7 9.3 13.9

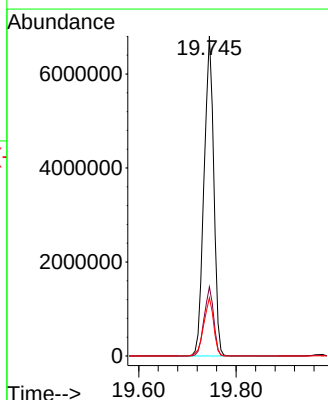
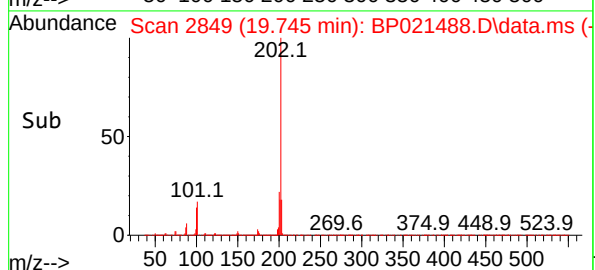
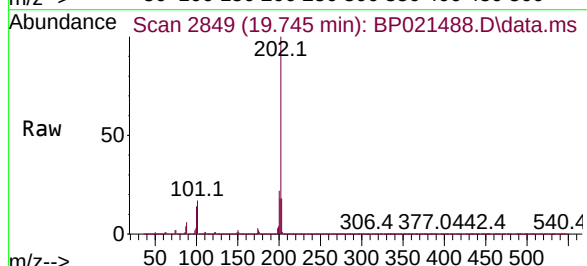
Manual Integrations
APPROVED

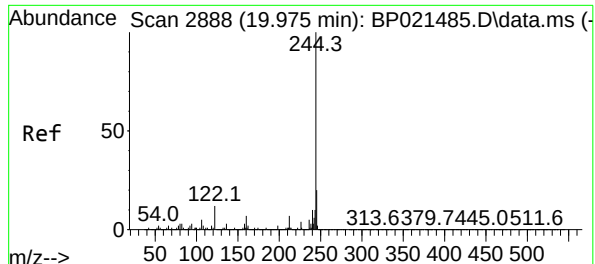
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

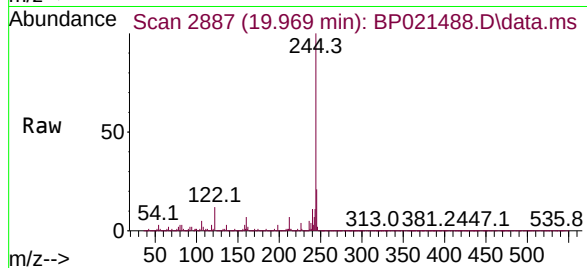
Tgt Ion:202 Resp: 9406096
Ion Ratio Lower Upper
202 100
200 21.6 16.7 25.1
203 18.1 14.1 21.1





#79
Terphenyl-d14
Concen: 145.311 ng
RT: 19.969 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

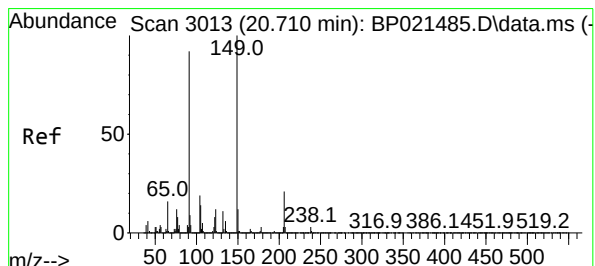
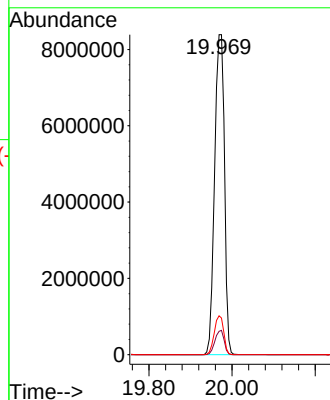
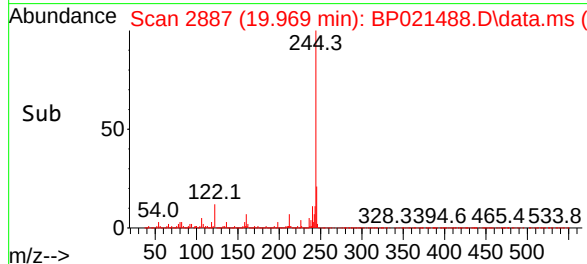
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



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

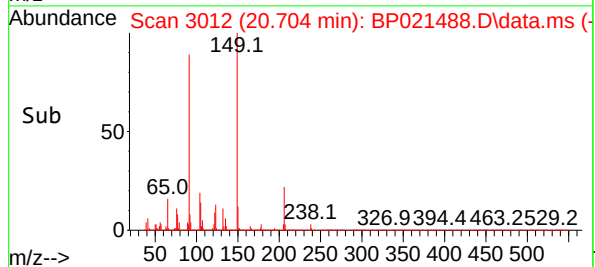
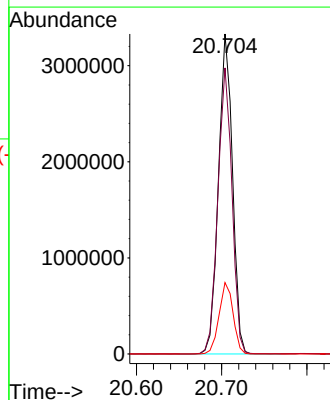
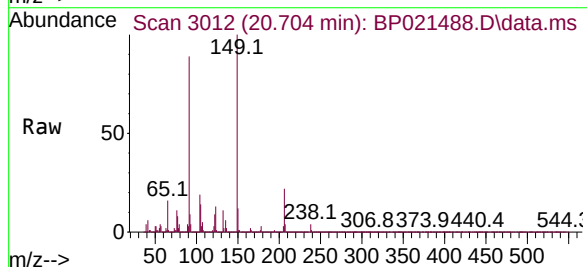
Manual Integrations
APPROVED

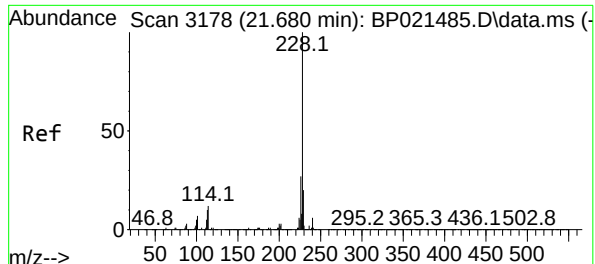
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





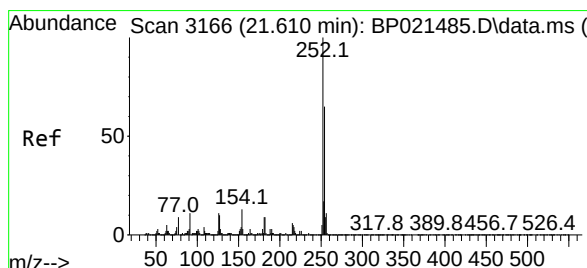
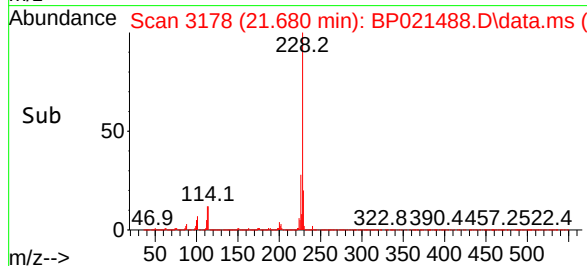
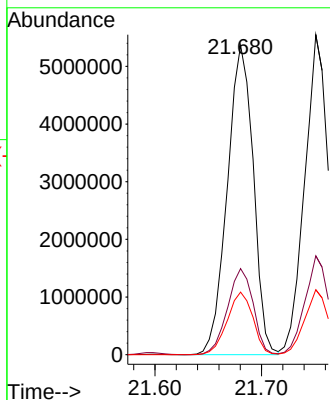
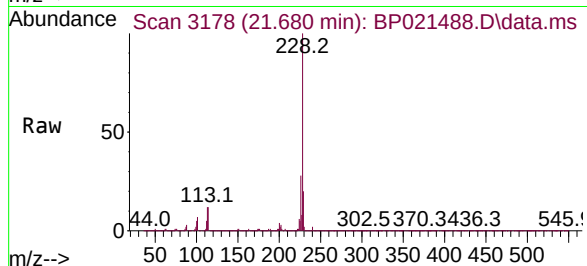
#81
Benzo(a)anthracene
Concen: 79.168 ng
RT: 21.680 min Scan# 3178
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 9116699
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.2
229 20.2 15.8 23.6

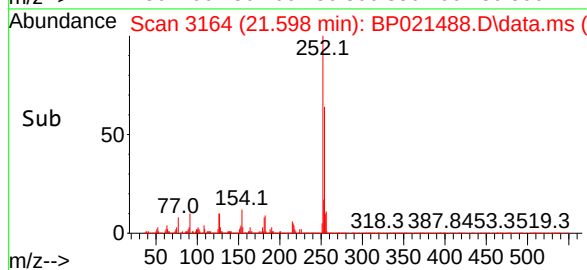
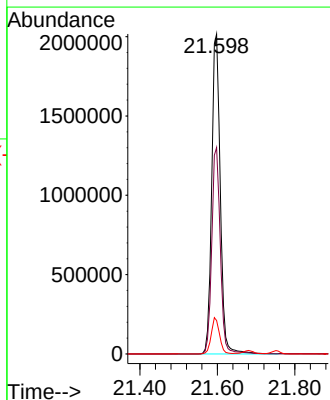
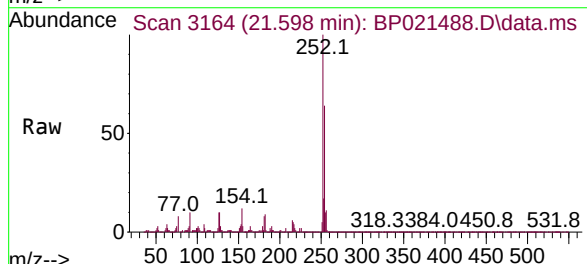
Manual Integrations
APPROVED

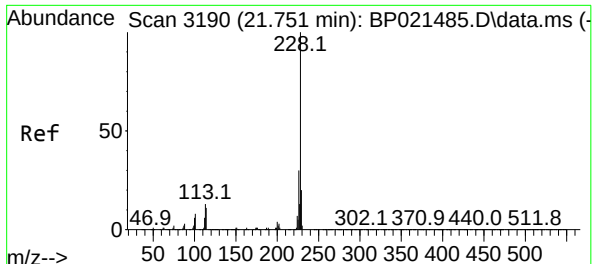
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

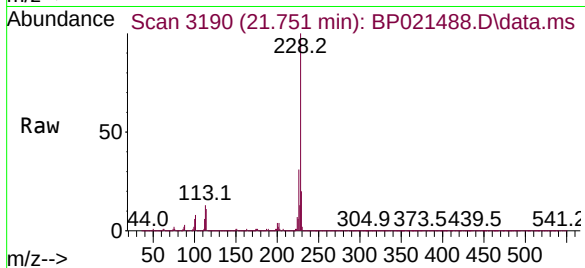
Tgt Ion:252 Resp: 3092890
Ion Ratio Lower Upper
252 100
254 64.5 51.7 77.5
126 10.4 8.7 13.1





#83
Chrysene
Concen: 78.894 ng
RT: 21.751 min Scan# 3190
Delta R.T. -0.000 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

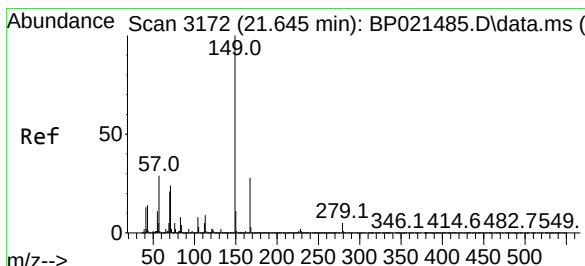
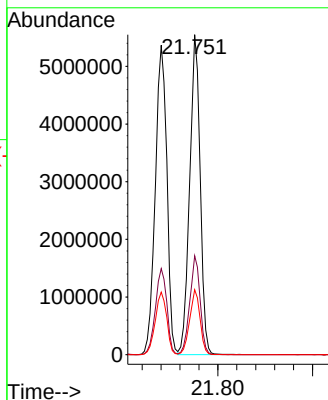
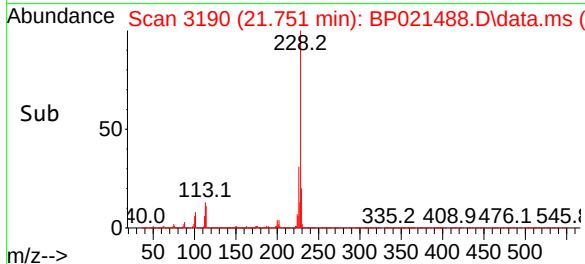
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



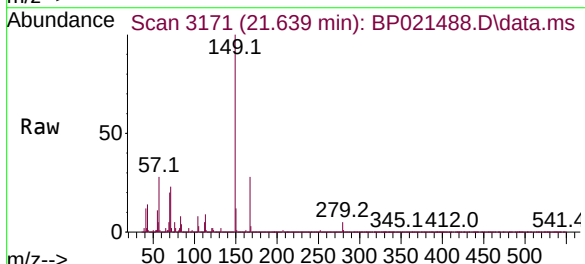
Tgt Ion:228 Resp: 857762
Ion Ratio Lower Upper
228 100
226 30.9 23.9 35.9
229 20.3 15.8 23.6

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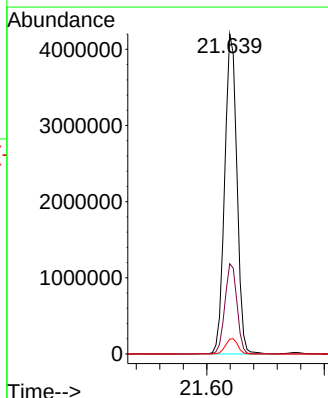
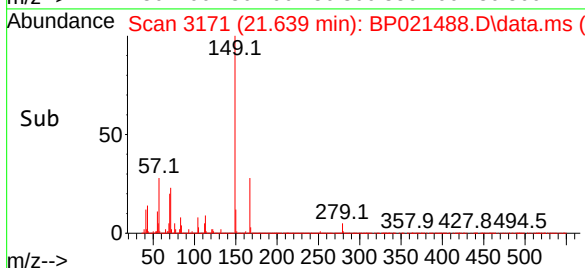
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

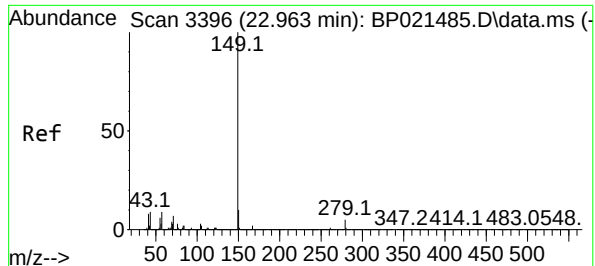


#84
Bis(2-ethylhexyl)phthalate
Concen: 89.068 ng
RT: 21.639 min Scan# 3171
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36



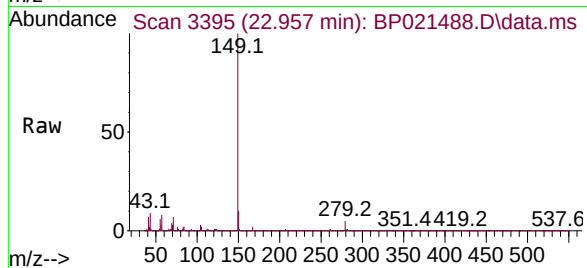
Tgt Ion:149 Resp: 6062099
Ion Ratio Lower Upper
149 100
167 28.2 22.3 33.5
279 4.7 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 80.797 ng
RT: 22.957 min Scan# 31
Delta R.T. -0.006 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

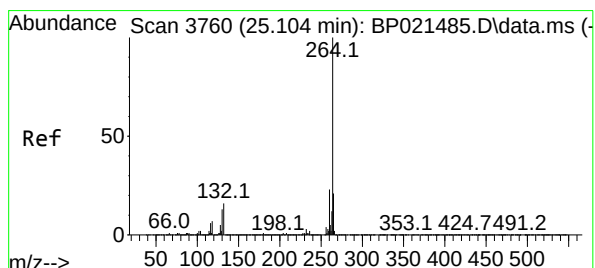
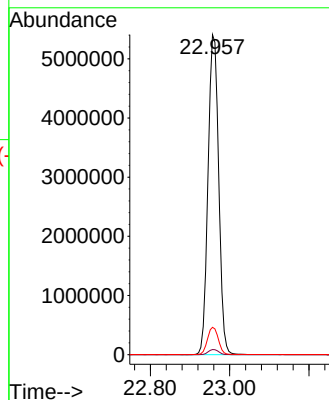
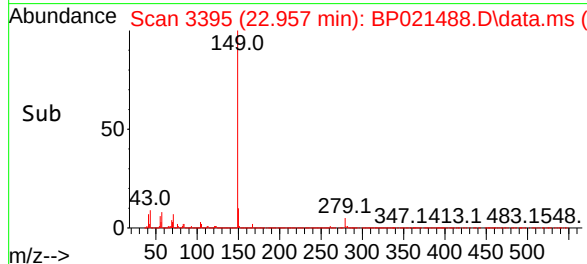
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



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

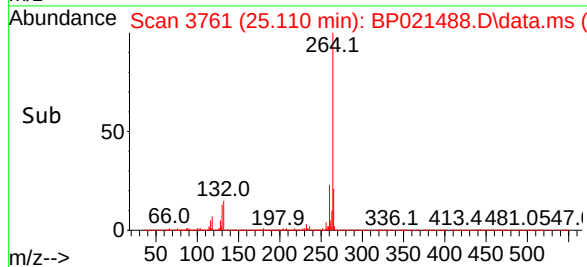
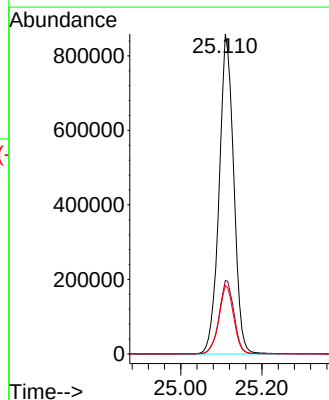
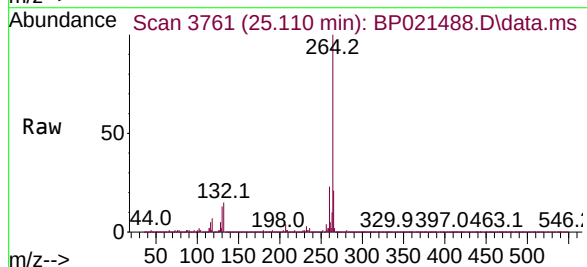
Manual Integrations
APPROVED

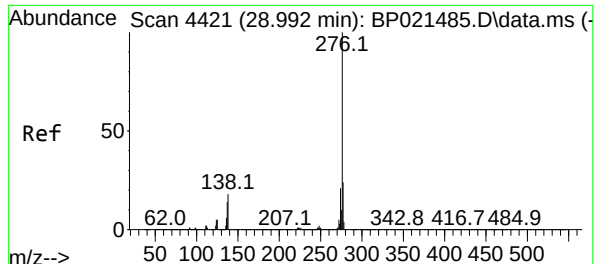
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





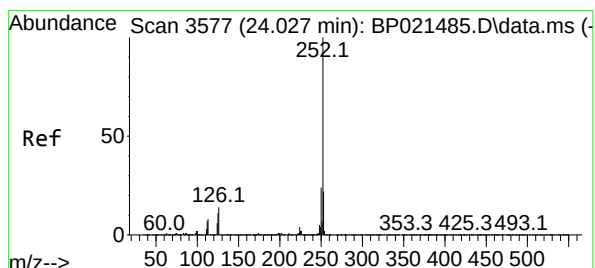
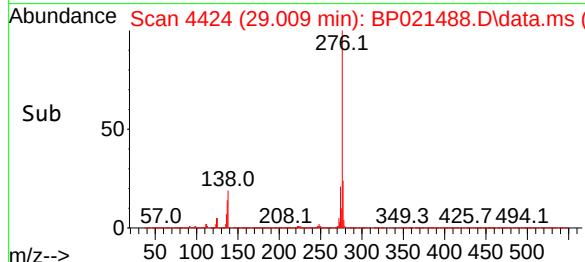
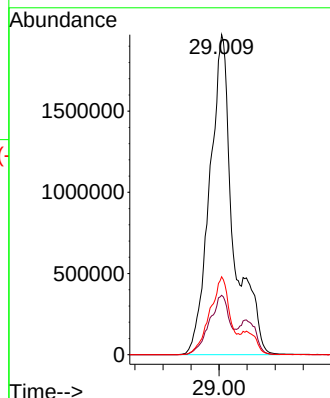
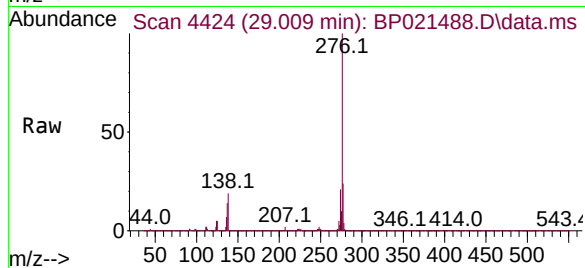
#87
Indeno(1,2,3-cd)pyrene
Concen: 83.285 ng m
RT: 29.009 min Scan# 4421
Delta R.T. 0.018 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

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

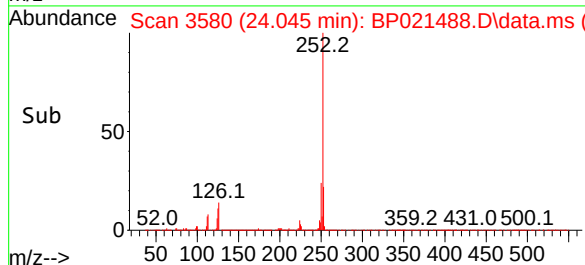
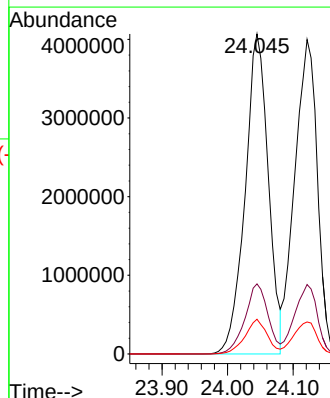
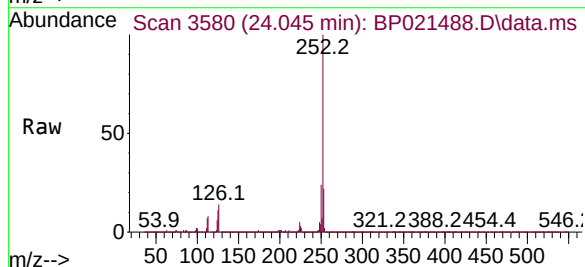
Manual Integrations
APPROVED

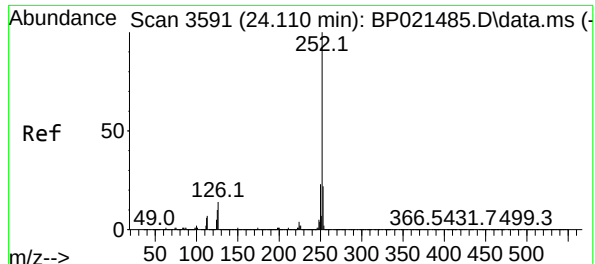
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#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# 3593

Delta R.T. 0.012 min

Lab File: BP021488.D

Acq: 13 Aug 2024 17:36

Instrument :

BNA_P

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 954416

Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

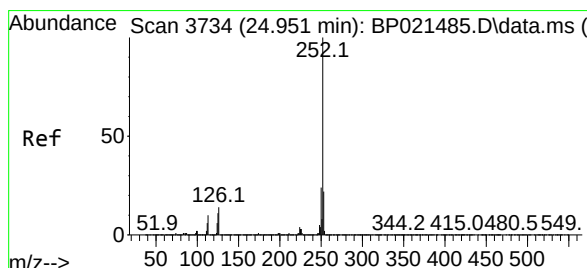
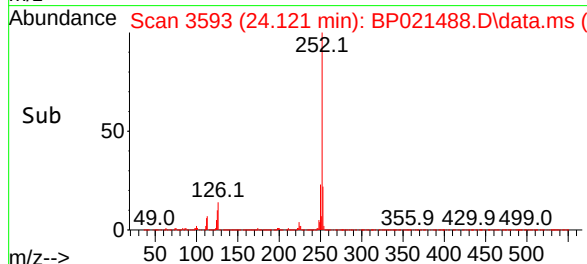
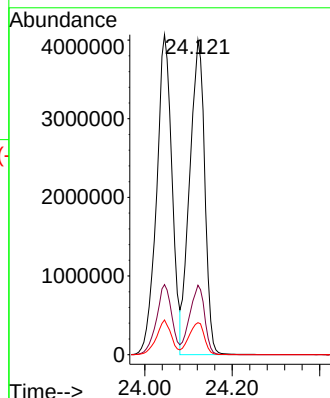
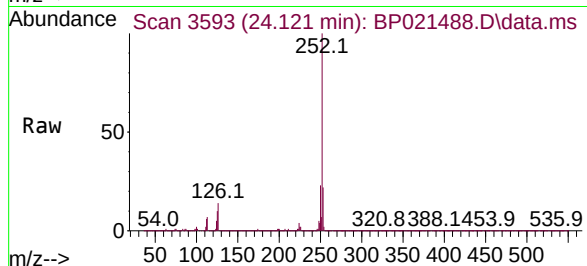
125 10.2 7.8 11.8

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

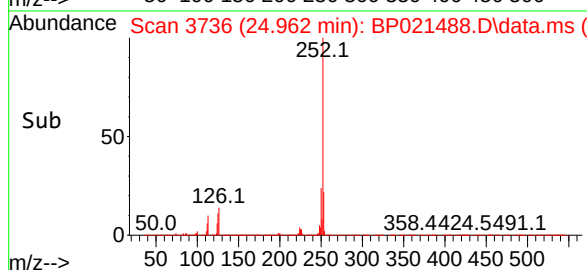
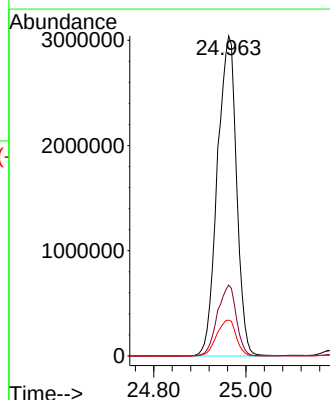
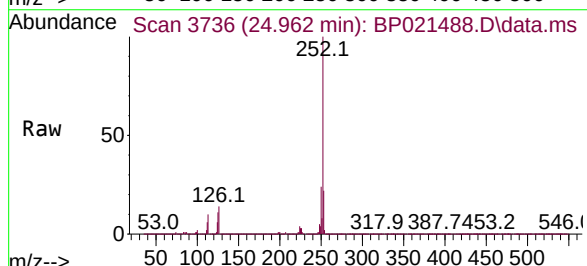
Tgt Ion:252 Resp: 8757562

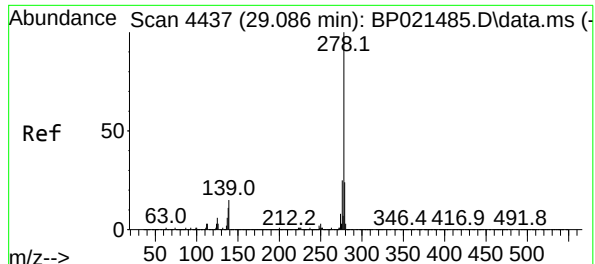
Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

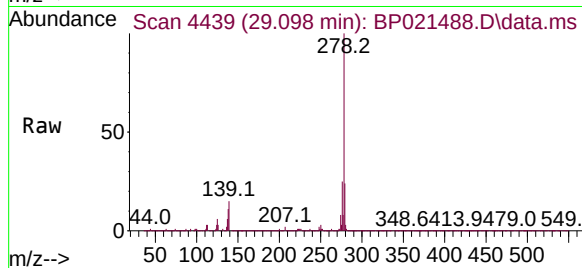
125 11.2 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 82.349 ng
RT: 29.098 min Scan# 4437
Delta R.T. 0.012 min
Lab File: BP021488.D
Acq: 13 Aug 2024 17:36

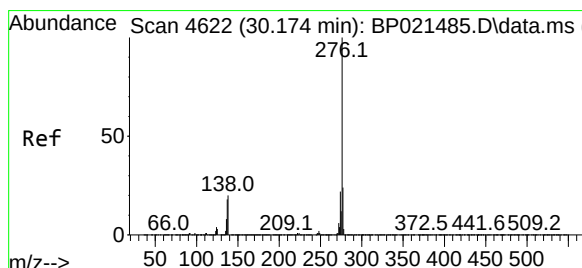
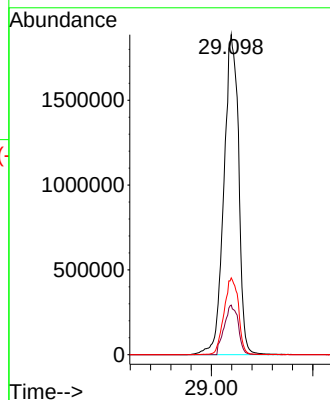
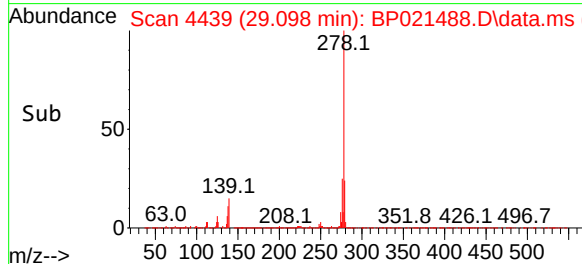
Instrument :
BNA_P
ClientSampleId :
SSTDICC080



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

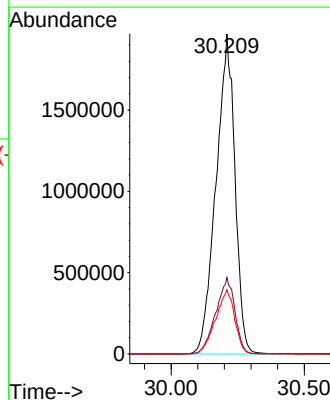
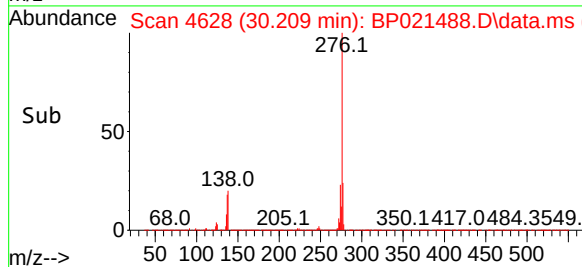
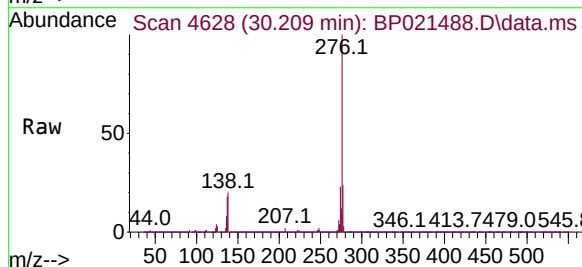
Manual Integrations
APPROVED

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

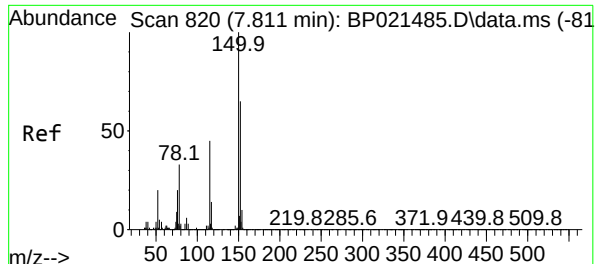
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Manual Integrations

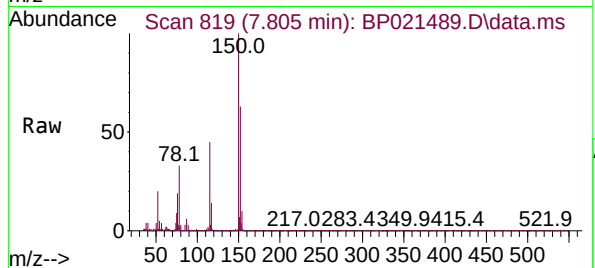
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024





#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

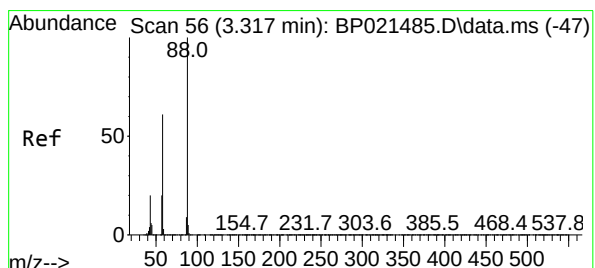
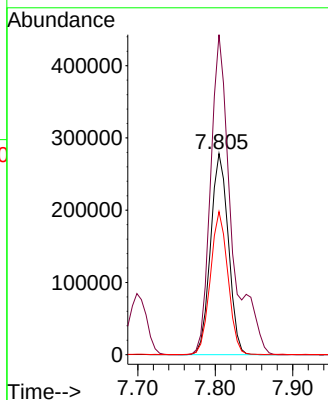
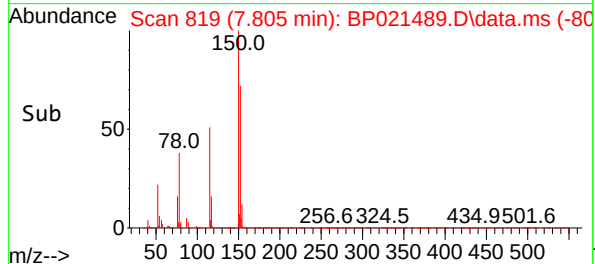
Instrument :
BNA_P
ClientSampleId :
ICVBP081324



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

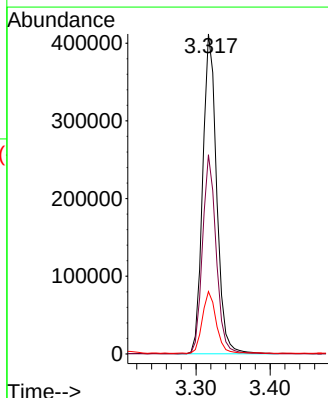
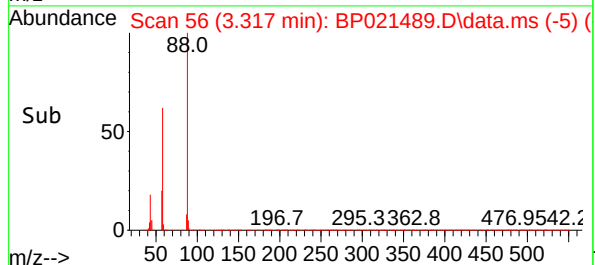
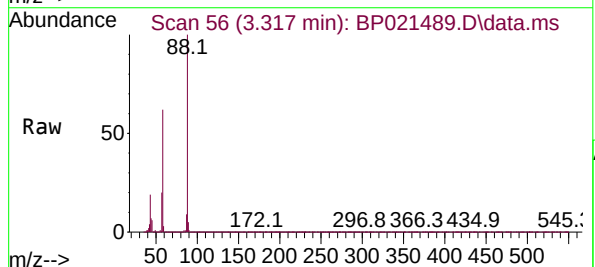
Manual Integrations
APPROVED

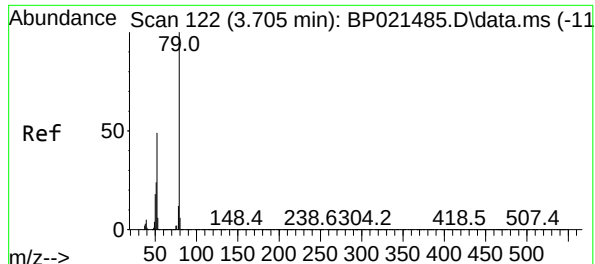
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

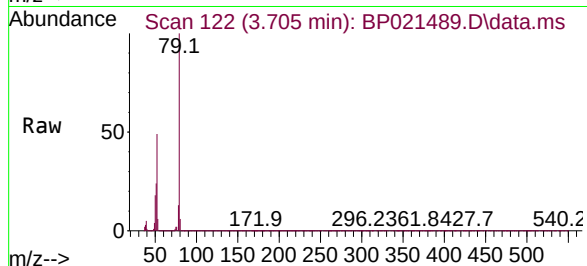
Tgt Ion: 88 Resp: 537338
Ion Ratio Lower Upper
88 100
58 61.0 48.7 73.1
43 19.3 15.4 23.2





#3
Pyridine
Concen: 40.445 ng m
RT: 3.705 min Scan# 11
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

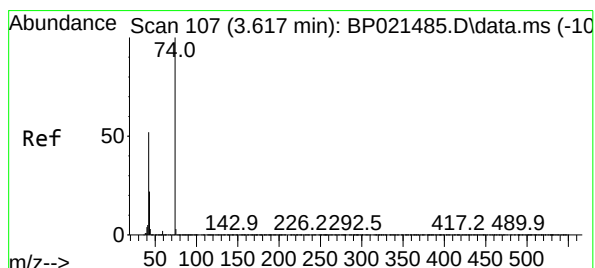
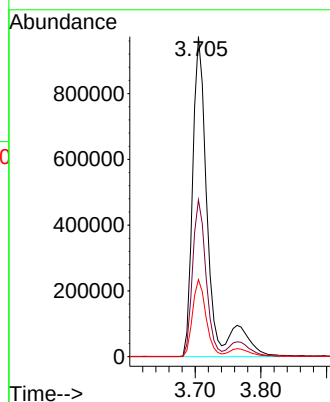
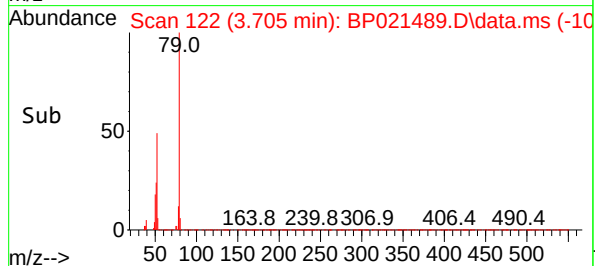
Instrument :
BNA_P
ClientSampleId :
ICVBP081324



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

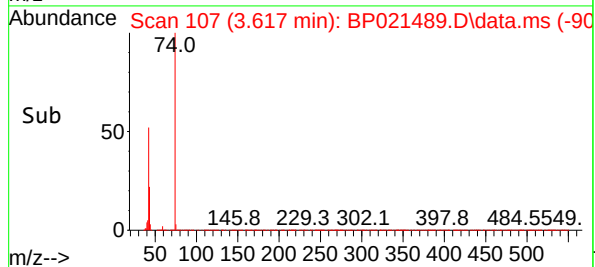
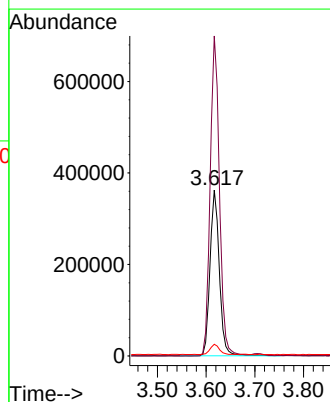
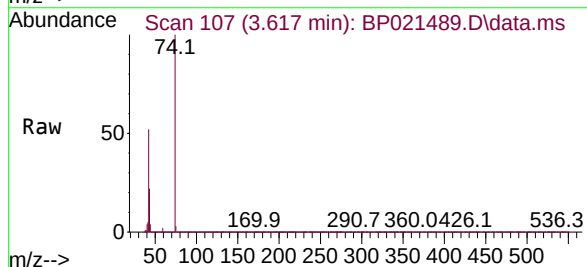
Manual Integrations
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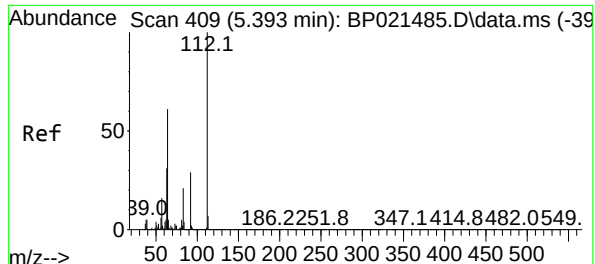
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





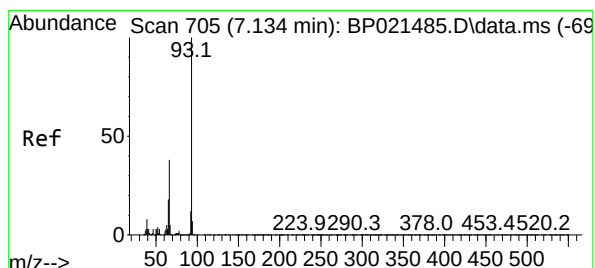
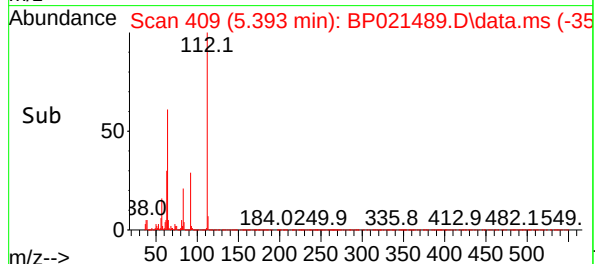
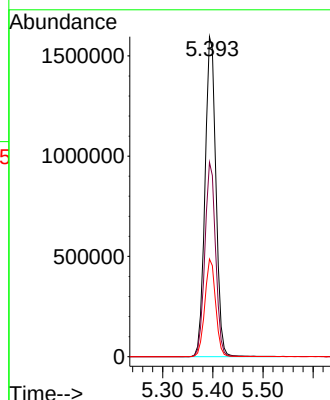
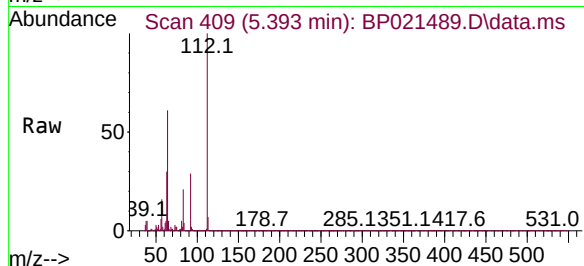
#5
2-Fluorophenol
Concen: 80.810 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Instrument :
BNA_P
Client Sample Id :
ICVBP081324

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

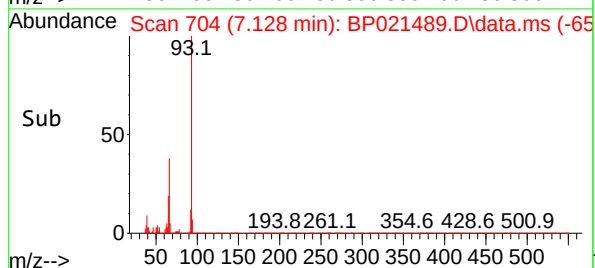
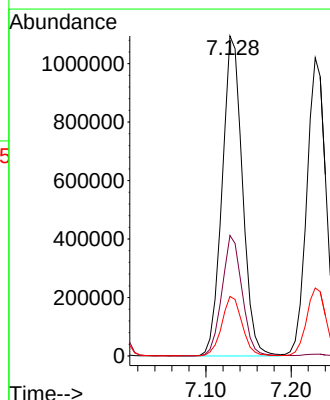
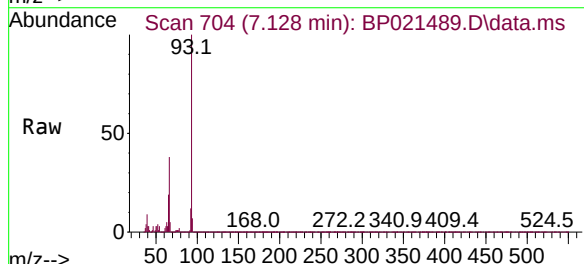
Manual Integrations
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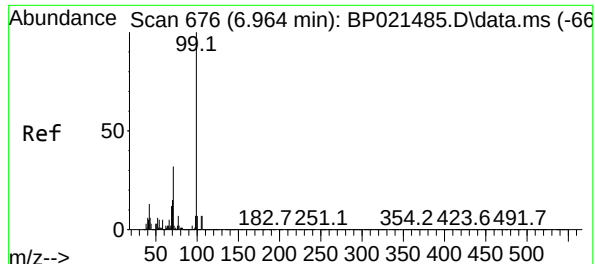
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 61

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324

Tgt Ion: 99 Resp: 3740158

Ion Ratio Lower Upper

99 100

42 12.8 10.2 15.4

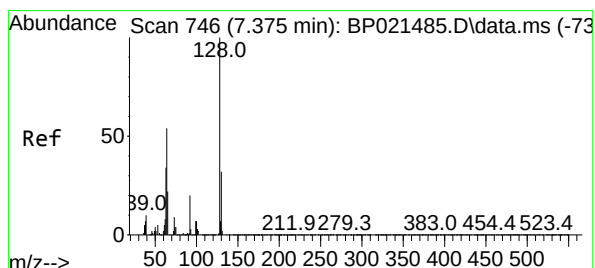
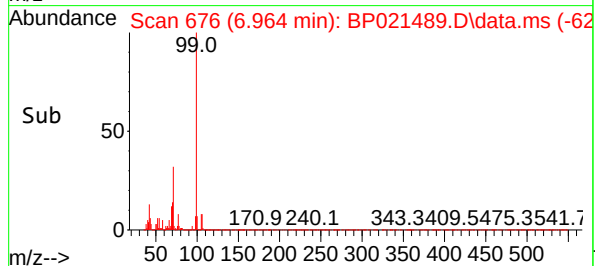
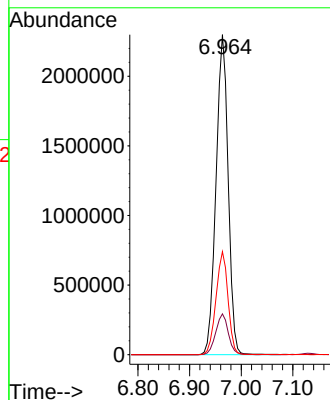
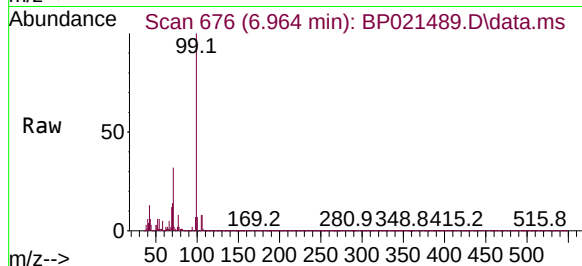
71 32.2 25.8 38.8

Manual Integrations

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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

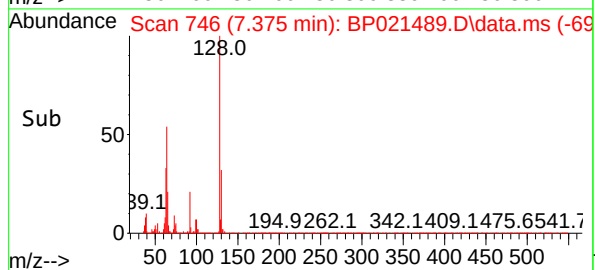
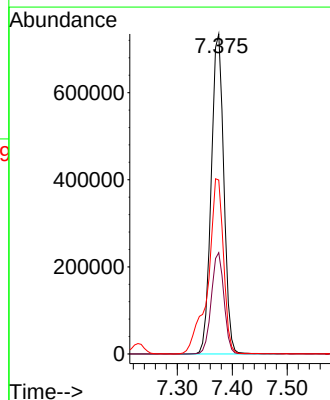
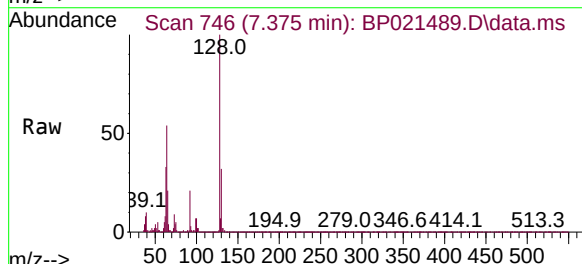
Tgt Ion:128 Resp: 1167341

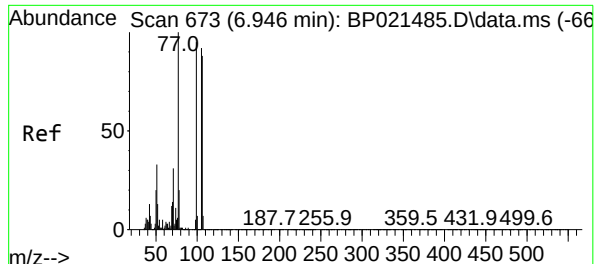
Ion Ratio Lower Upper

128 100

130 31.7 11.6 51.6

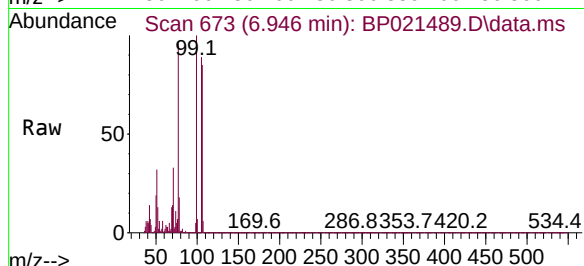
64 54.4 35.3 75.3





#9
Benzaldehyde
Concen: 40.434 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

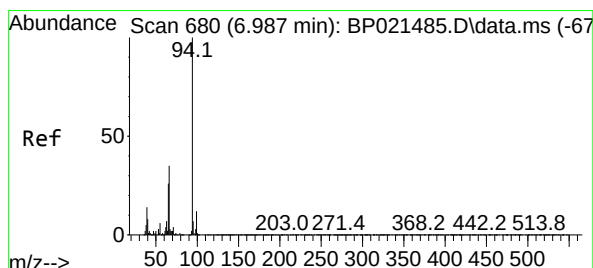
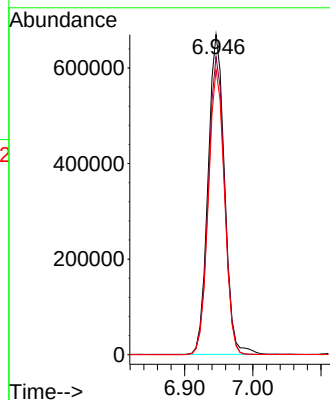
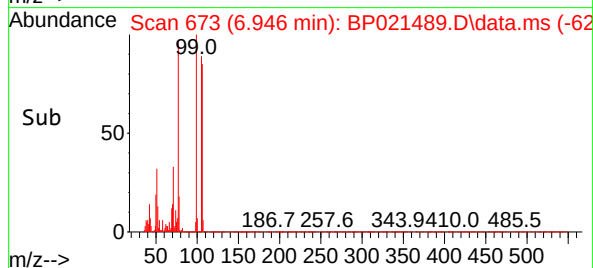
Instrument :
BNA_P
ClientSampleId :
ICVBP081324



Tgt Ion: 77 Resp: 1127798
Ion Ratio Lower Upper
77 100
105 93.2 72.1 112.1
106 89.0 67.9 107.9

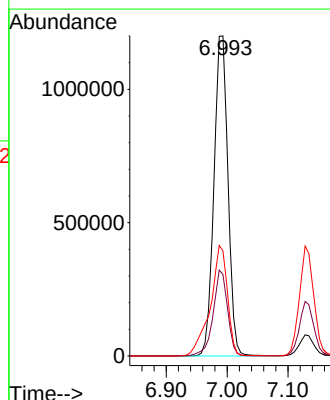
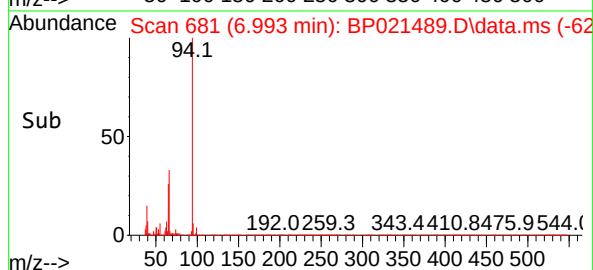
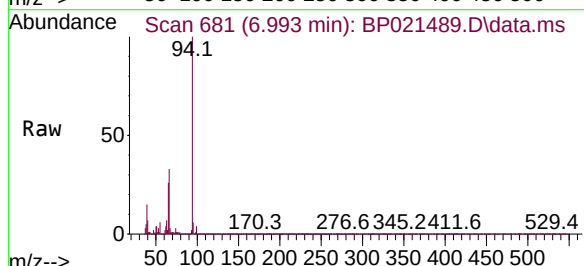
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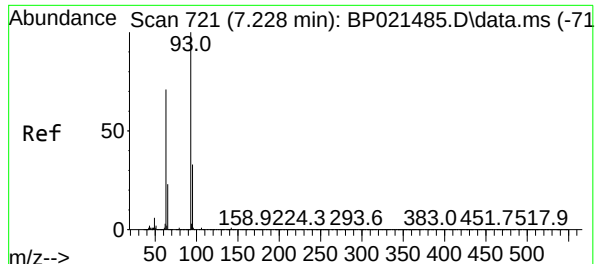
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 721

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324

Tgt Ion: 93 Resp: 1585750

Ion Ratio Lower Upper

93 100

63 71.1 51.0 91.0

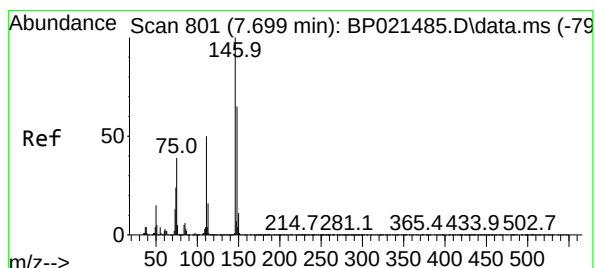
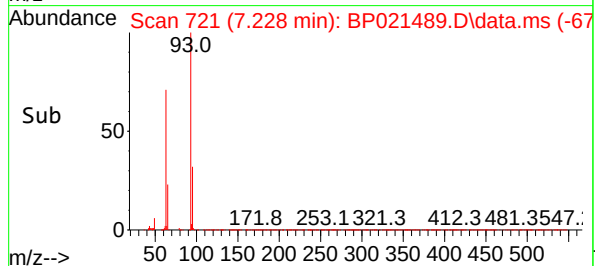
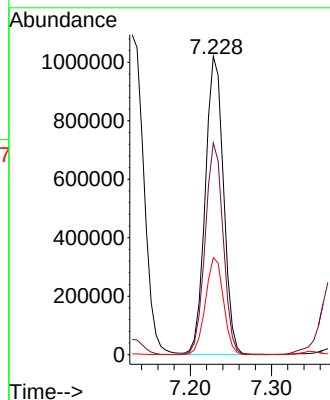
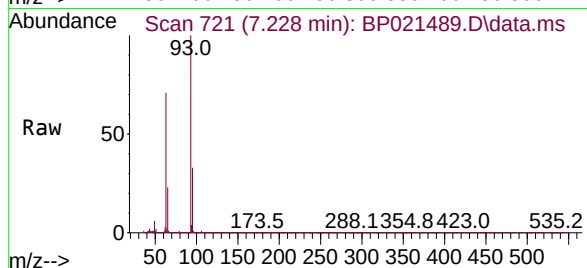
95 32.5 12.9 52.9

Manual Integrations

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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

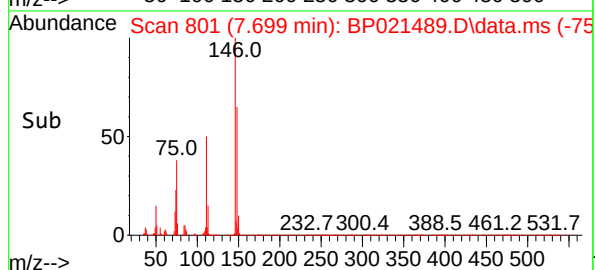
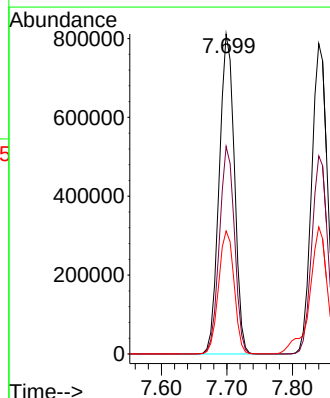
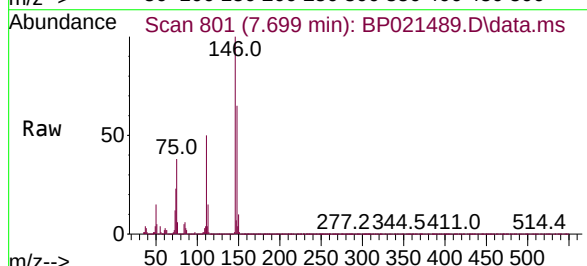
Tgt Ion:146 Resp: 1300530

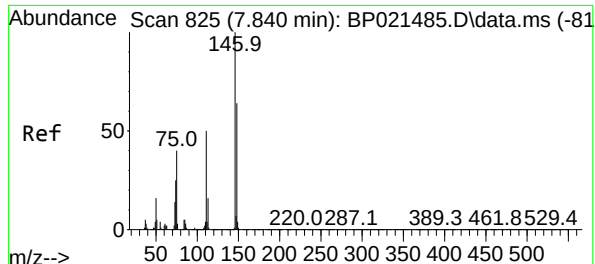
Ion Ratio Lower Upper

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# 81

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324

Tgt Ion:146 Resp: 1309600

Ion Ratio Lower Upper

146 100

148 63.8 51.5 77.3

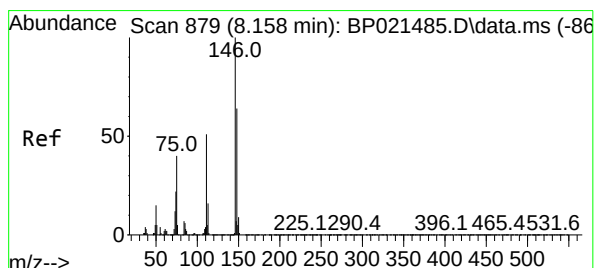
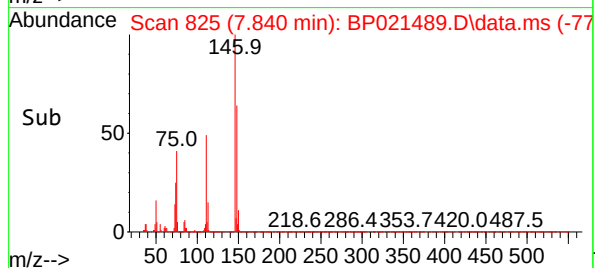
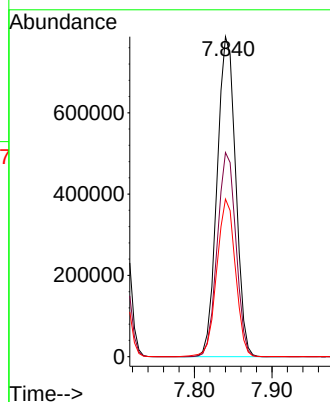
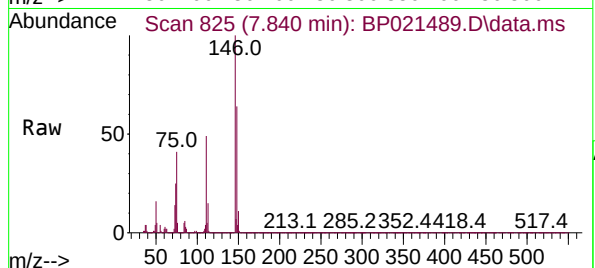
111 49.2 40.3 60.5

Manual Integrations

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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

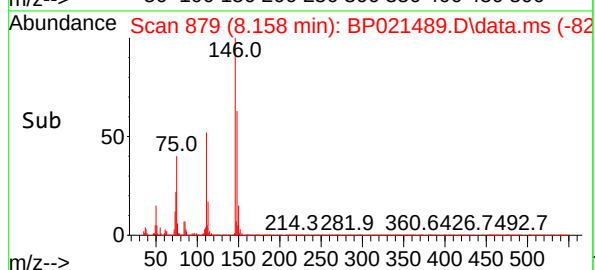
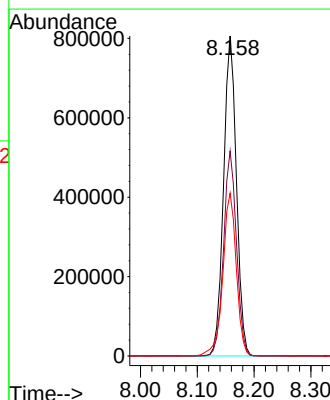
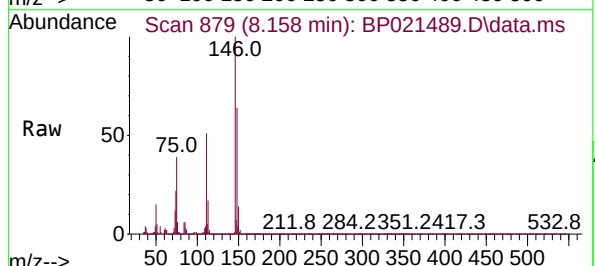
Tgt Ion:146 Resp: 1271884

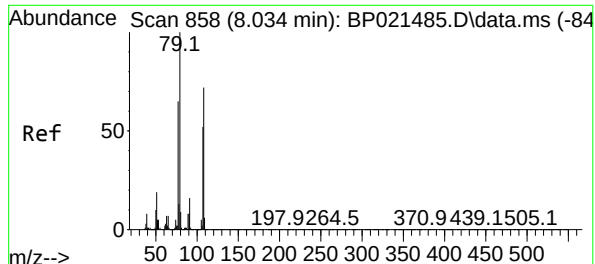
Ion Ratio Lower Upper

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# 858

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324

Tgt Ion: 79 Resp: 1390052

Ion Ratio Lower Upper

79 100

108 72.6 57.9 86.9

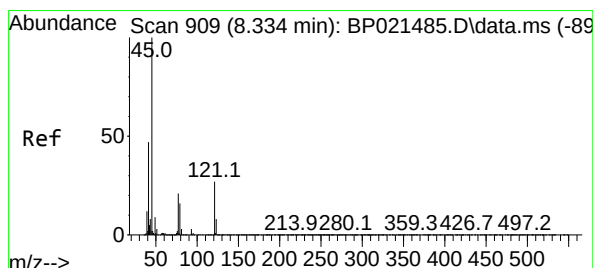
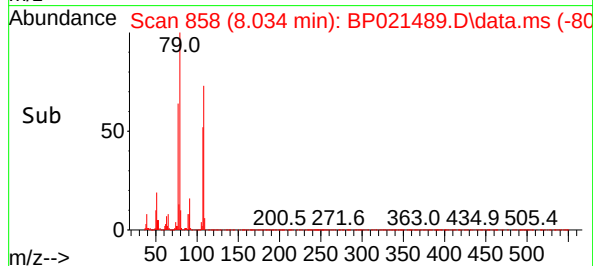
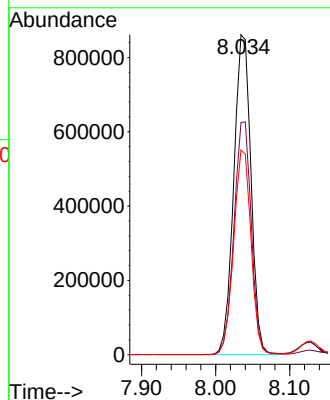
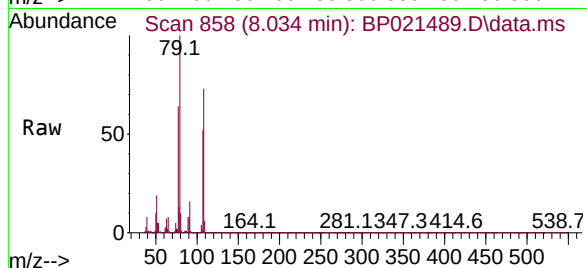
77 64.0 51.8 77.8

Manual Integrations

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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

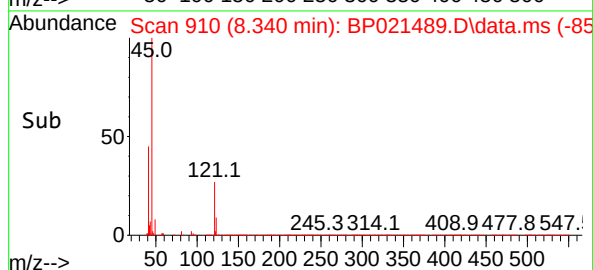
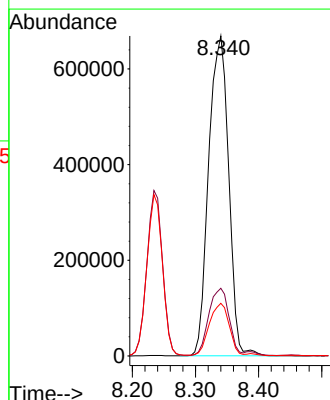
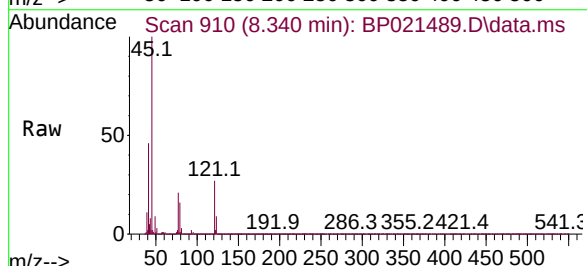
Tgt Ion: 45 Resp: 1471975

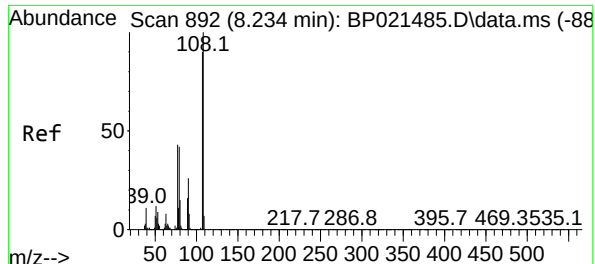
Ion Ratio Lower Upper

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# 892

Delta R.T. 0.000 min

Lab File: BP021489.D

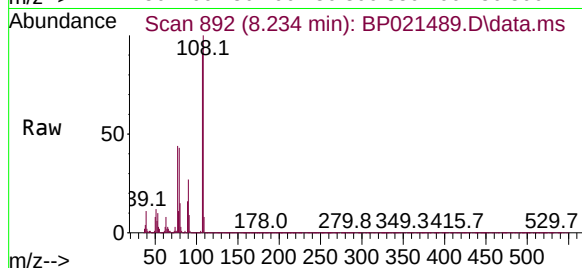
Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324



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

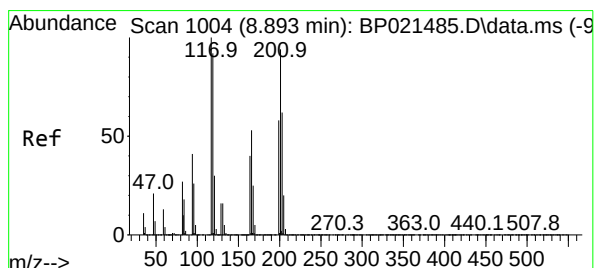
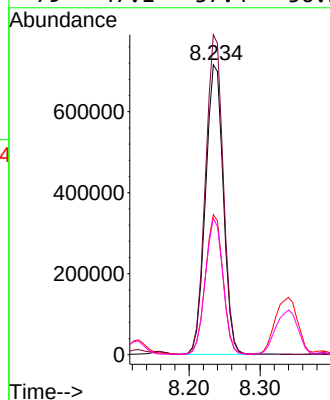
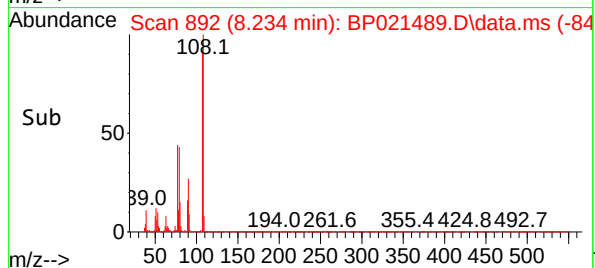
79 47.1 37.4 56.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#18

Hexachloroethane

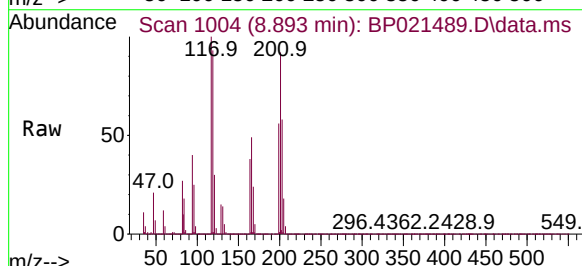
Concen: 40.755 ng

RT: 8.893 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03



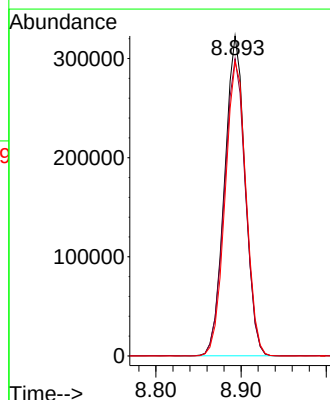
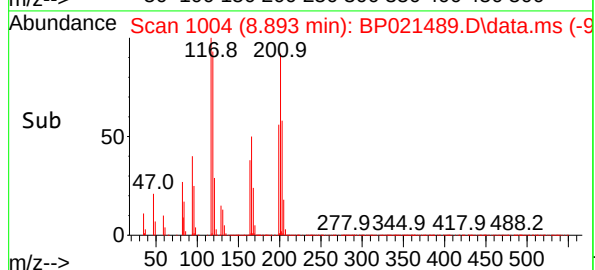
Tgt Ion:117 Resp: 540967

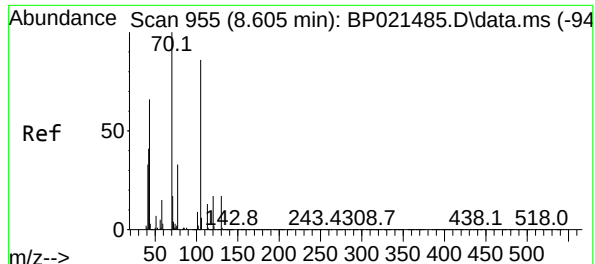
Ion Ratio Lower Upper

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# 91

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324

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

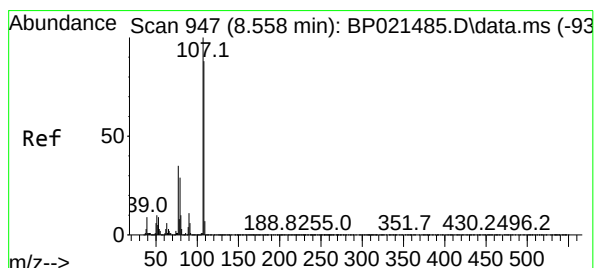
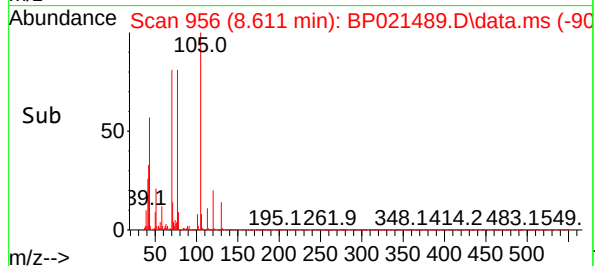
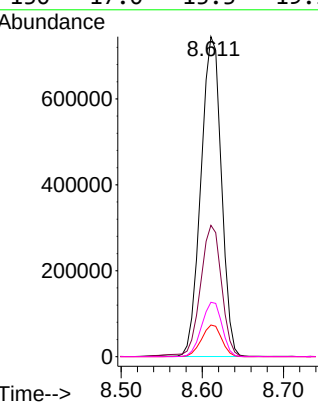
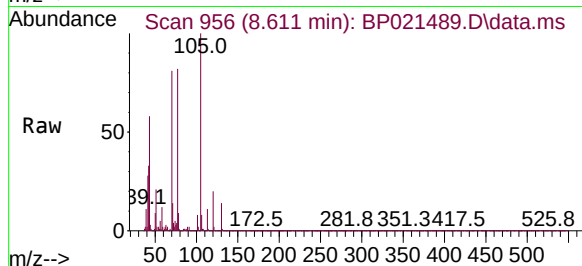
130 17.0 13.3 19.9

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: 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

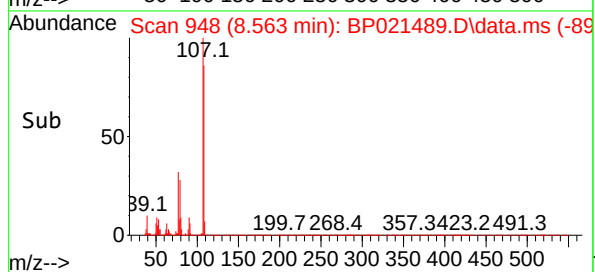
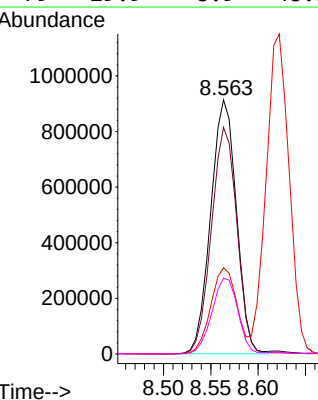
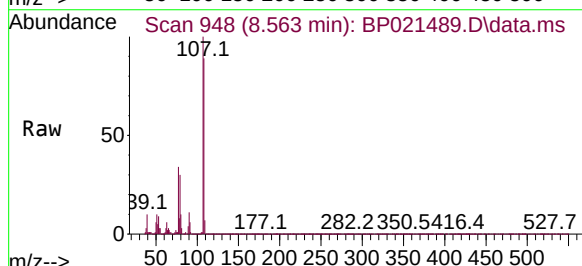
Ion Ratio Lower Upper

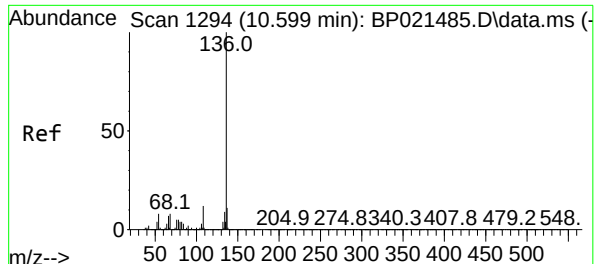
107 100

108 89.2 67.6 107.6

77 34.0 15.0 55.0

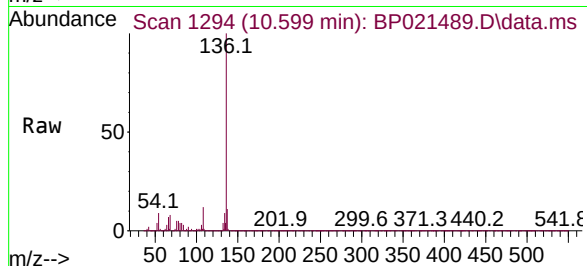
79 29.9 8.9 48.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

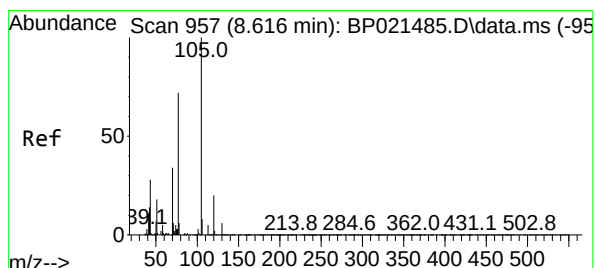
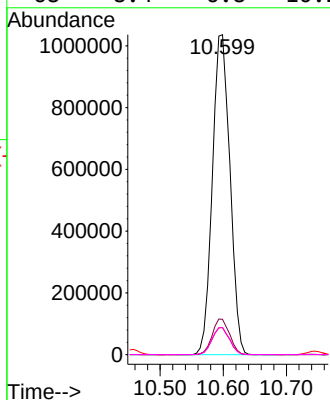
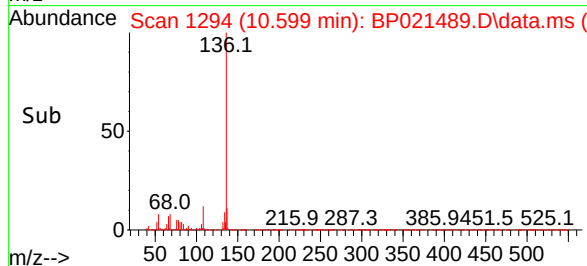
Instrument :
BNA_P
ClientSampleId :
ICVBP081324



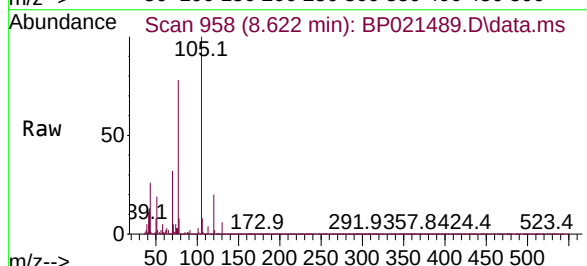
Tgt Ion:136 Resp: 200040
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.5 6.3 9.5
68 8.4 6.8 10.2

Manual Integrations
APPROVED

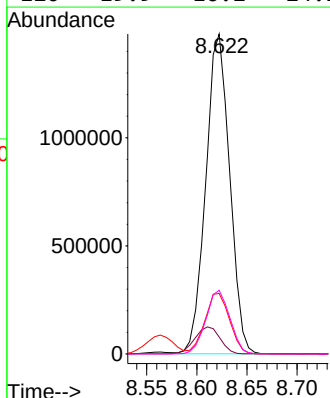
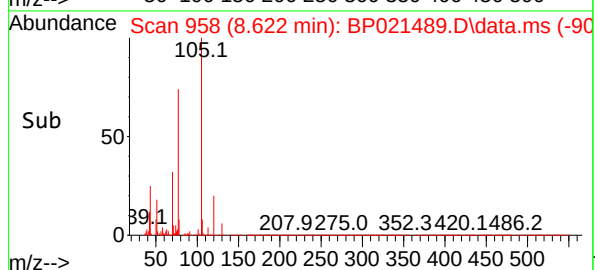
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

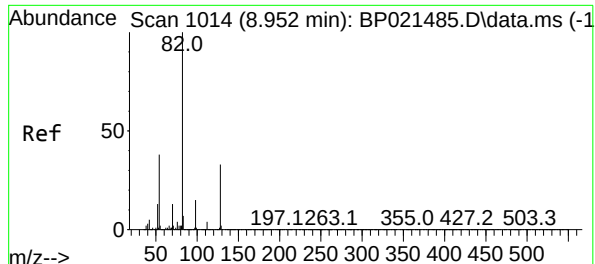


#22
Acetophenone
Concen: 39.936 ng
RT: 8.622 min Scan# 958
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03



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# 1015

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324

Tgt Ion: 82 Resp: 3463320

Ion Ratio Lower Upper

82 100

128 34.4 26.5 39.7

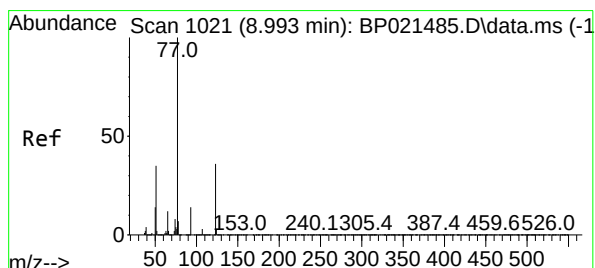
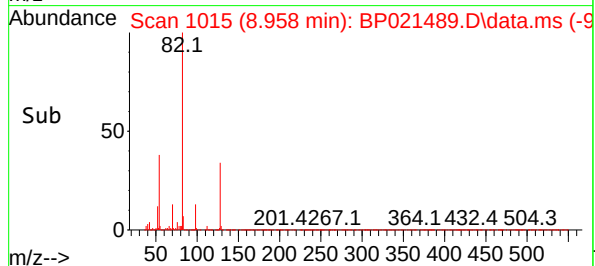
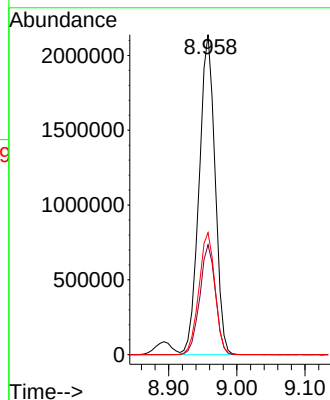
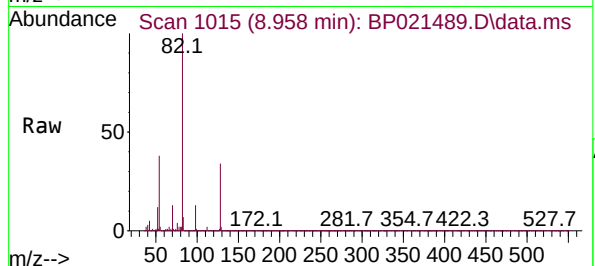
54 38.1 30.3 45.5

Manual Integrations

APPROVED

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

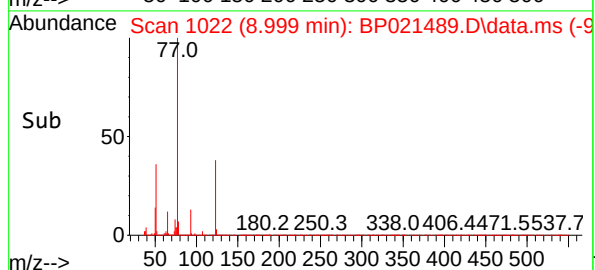
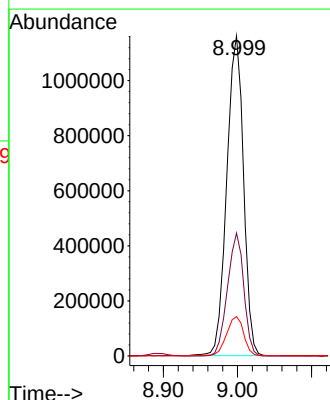
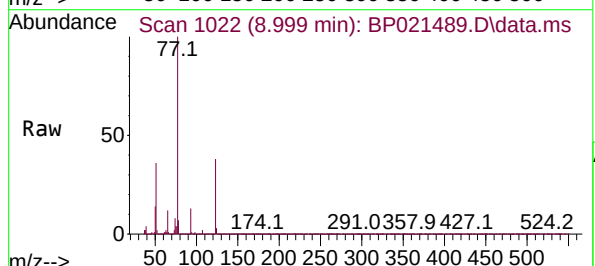
Tgt Ion: 77 Resp: 1820293

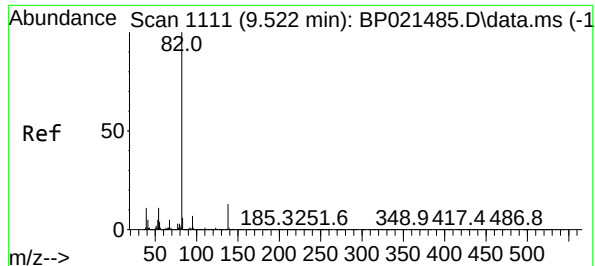
Ion Ratio Lower Upper

77 100

123 38.4 29.5 44.3

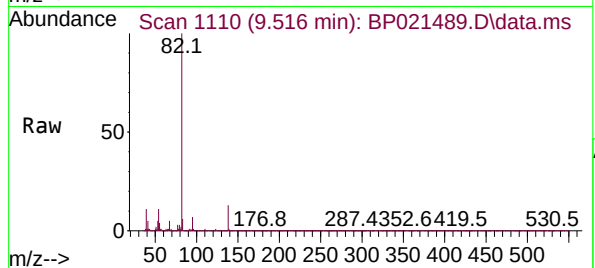
65 12.3 9.9 14.9





#25
Isophorone
Concen: 40.700 ng
RT: 9.516 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

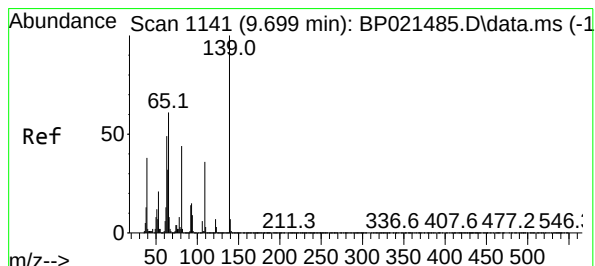
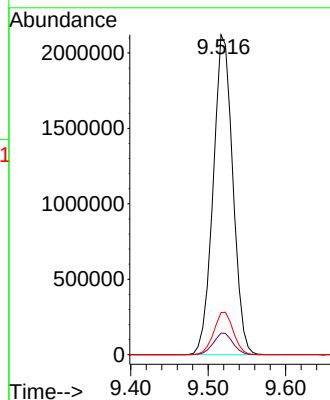
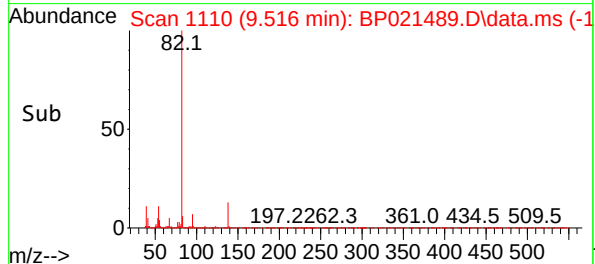
Instrument :
BNA_P
Client Sample Id :
ICVBP081324



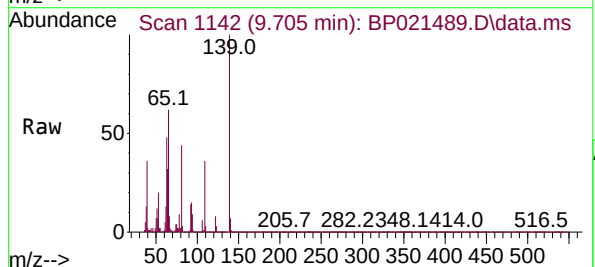
Tgt Ion: 82 Resp: 3726490
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.2
138 13.1 10.6 16.0

Manual Integrations
APPROVED

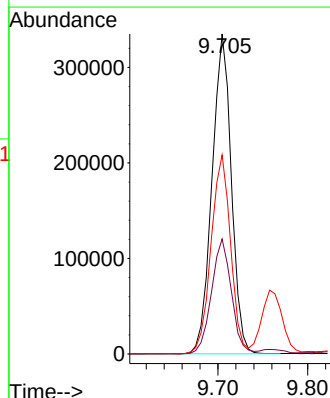
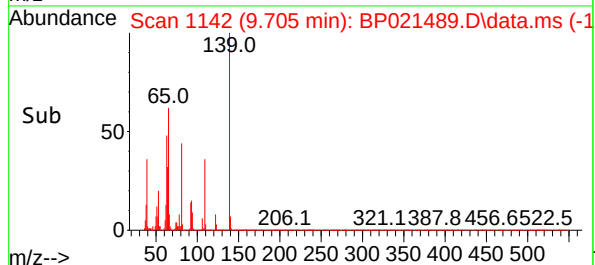
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

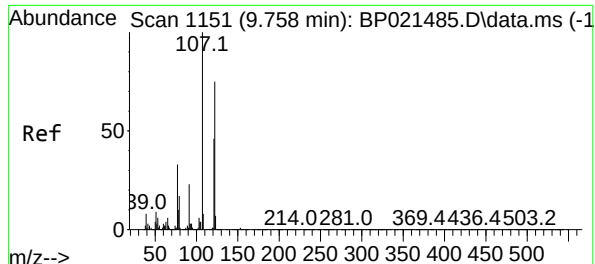


#26
2-Nitrophenol
Concen: 47.780 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03



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# 1151

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324

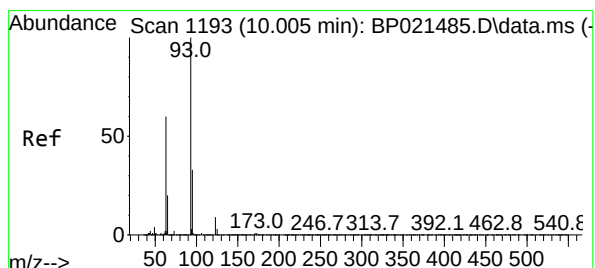
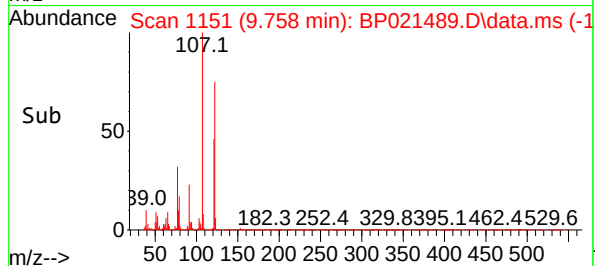
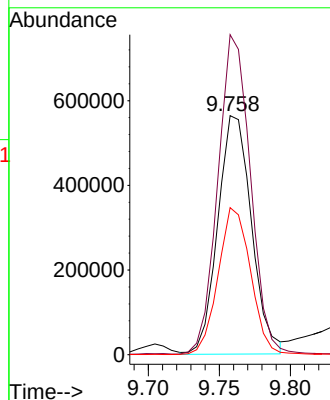
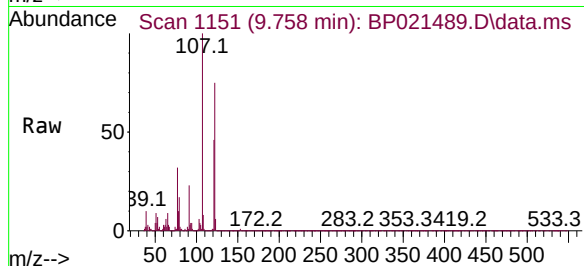
Tgt Ion:	122	Resp:	930478
Ion	Ratio	Lower	Upper
122	100		
107	133.8	106.2	159.4
121	61.5	48.8	73.2

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

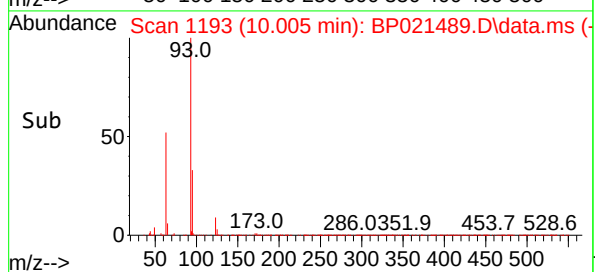
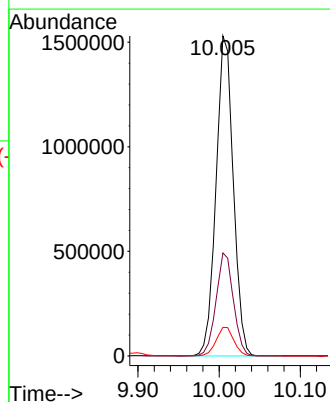
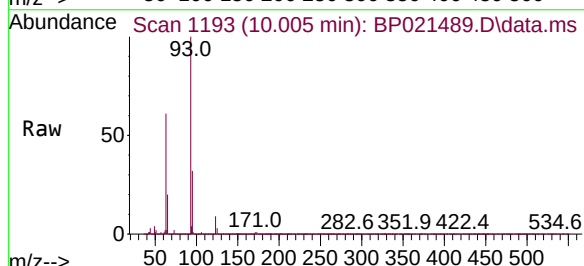
RT: 10.005 min Scan# 1193

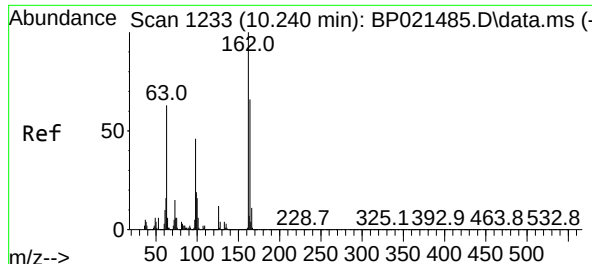
Delta R.T. 0.000 min

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# 1233

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324

Tgt Ion:162 Resp: 115980

Ion Ratio Lower Upper

162 100

164 65.1 45.9 85.9

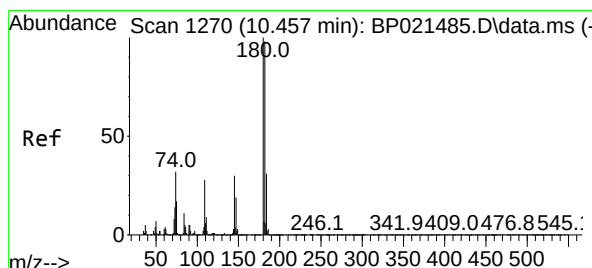
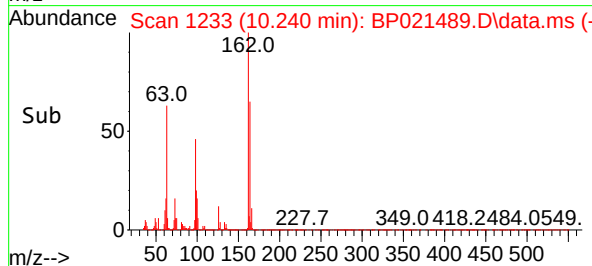
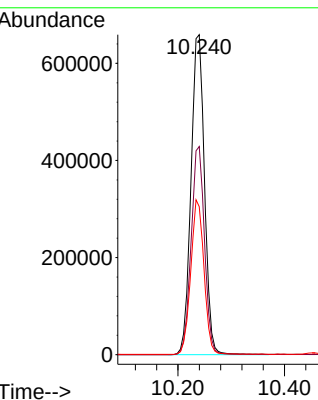
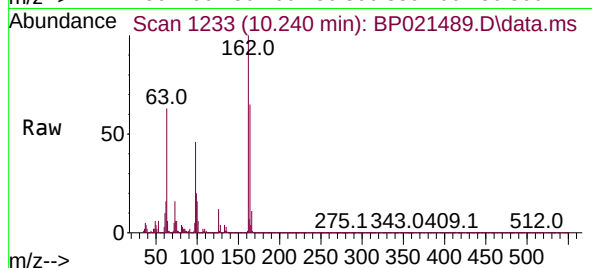
98 46.3 26.3 66.3

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

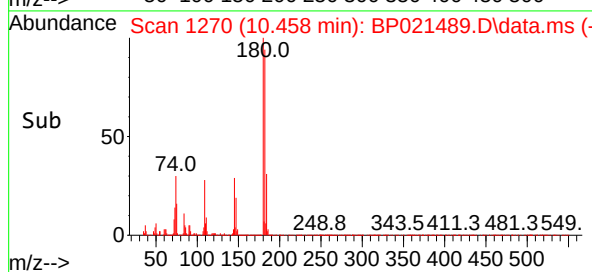
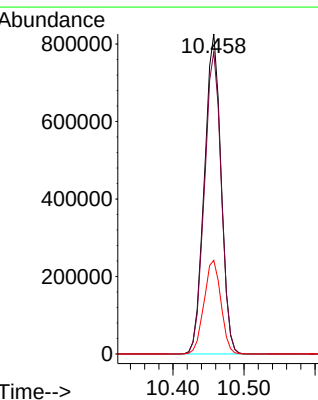
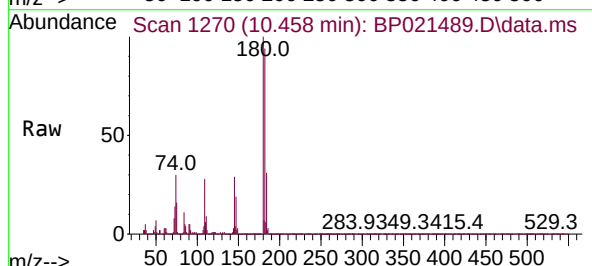
Tgt Ion:180 Resp: 1339874

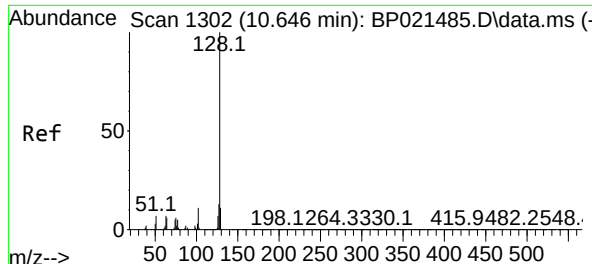
Ion Ratio Lower Upper

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# 1110
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

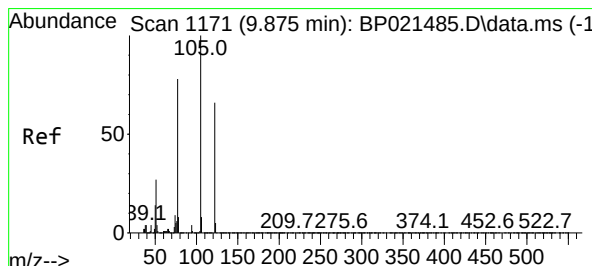
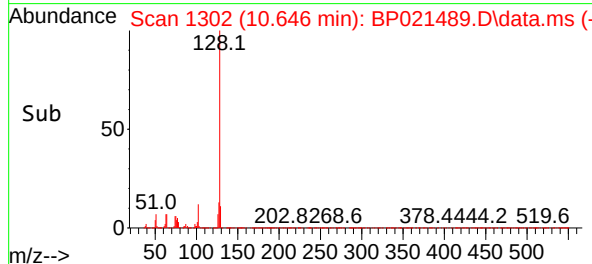
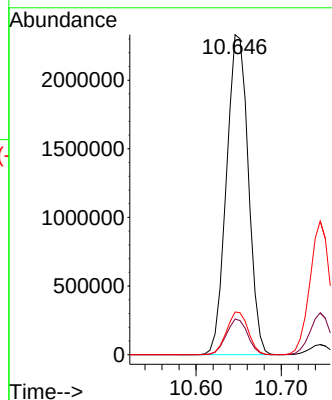
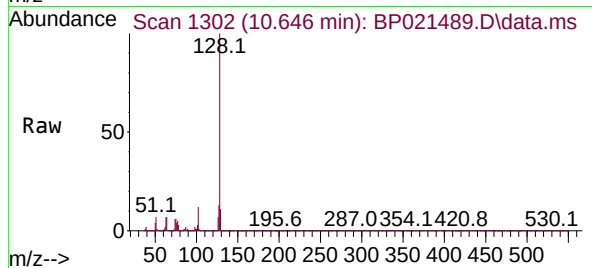
Client Sample Id :

ICVBP081324

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

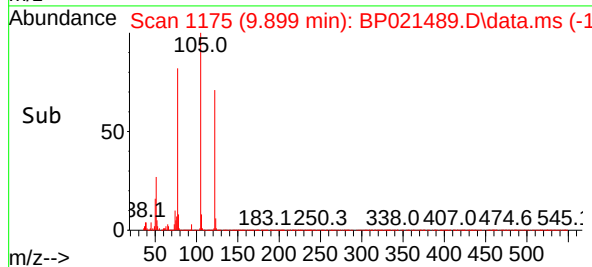
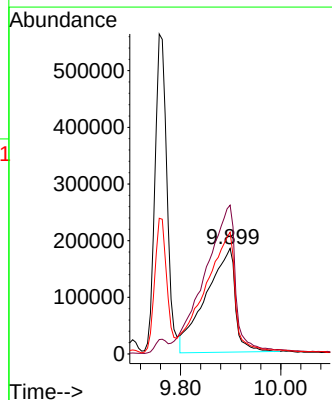
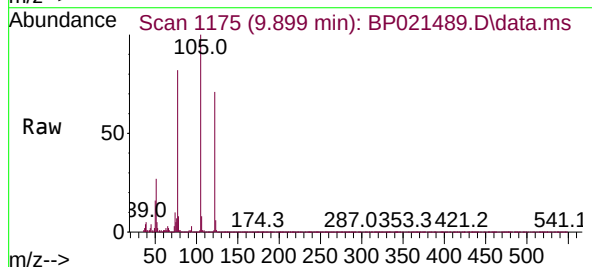
Manual Integrations
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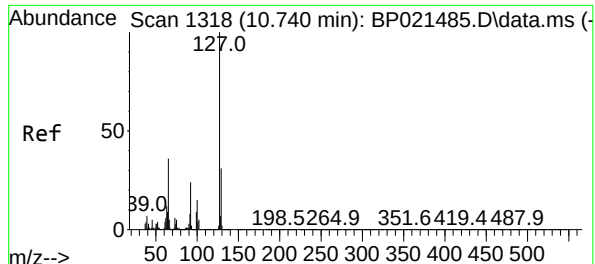
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

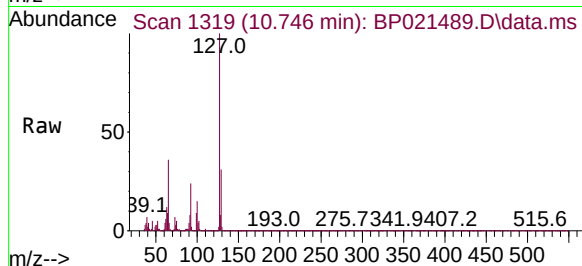
Tgt Ion:122 Resp: 747114
Ion Ratio Lower Upper
122 100
105 141.1 124.6 164.6
77 115.3 96.2 136.2





#33
4-Chloroaniline
Concen: 40.617 ng
RT: 10.746 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

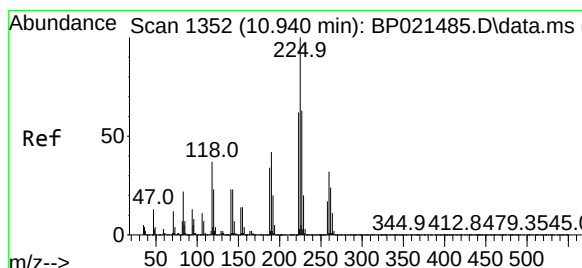
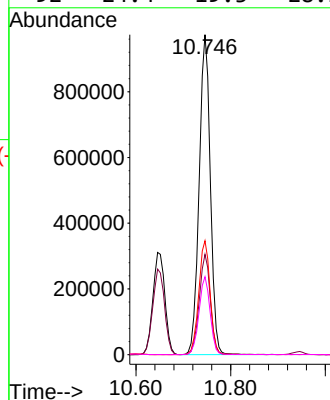
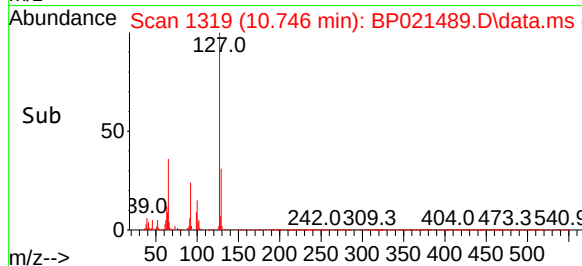


Tgt Ion:127 Resp: 159438

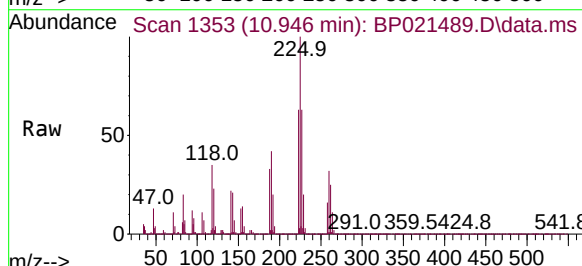
Ion	Ratio	Lower	Upper
127	100		
129	31.4	24.5	36.7
65	35.6	28.9	43.3
92	24.4	19.3	28.9

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

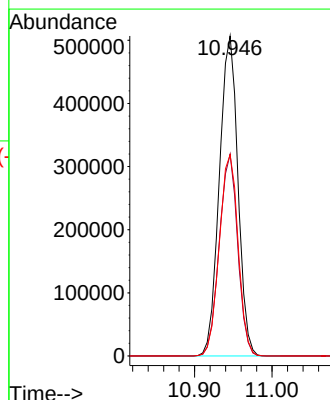
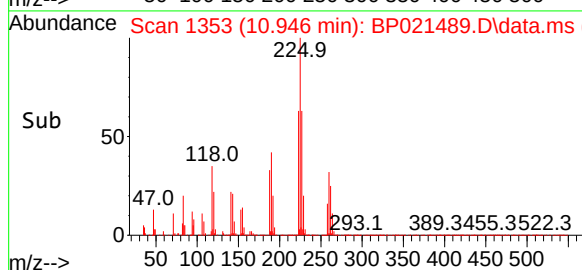


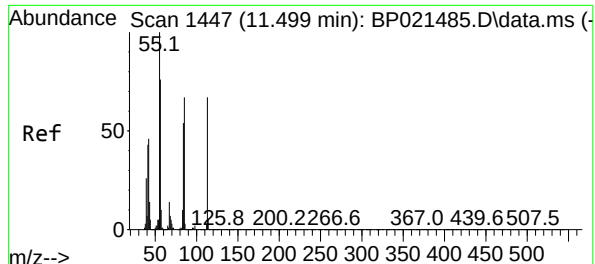
#34
Hexachlorobutadiene
Concen: 39.102 ng
RT: 10.946 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03



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





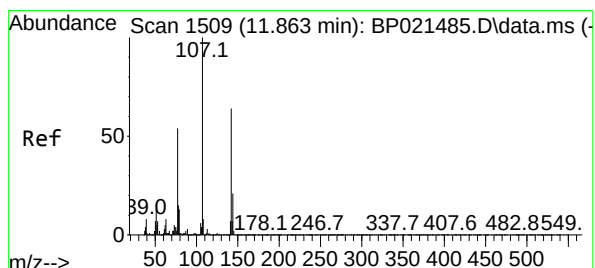
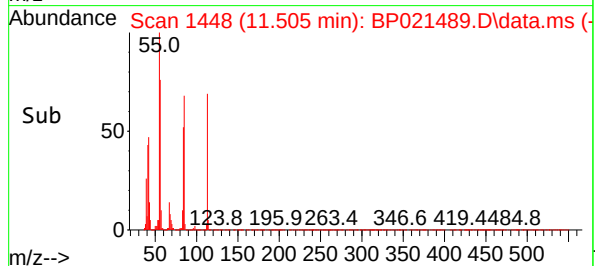
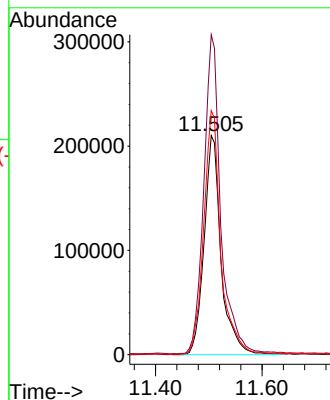
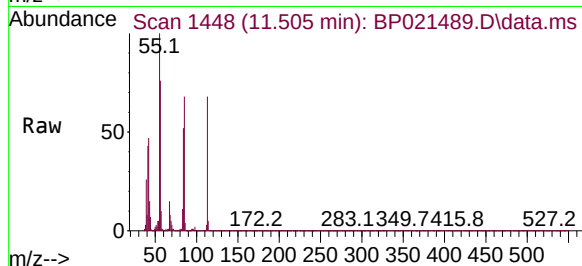
#35
Caprolactam
Concen: 41.786 ng
RT: 11.505 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Instrument :
BNA_P
Client Sample Id :
ICVBP081324

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

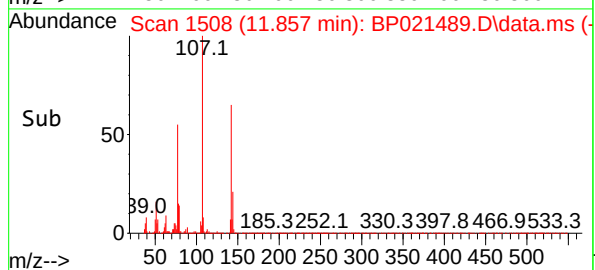
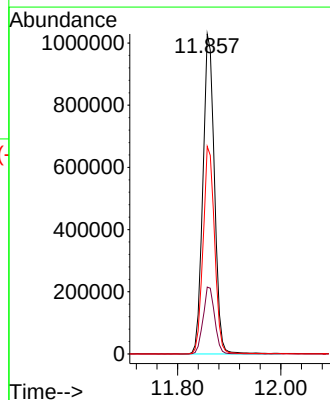
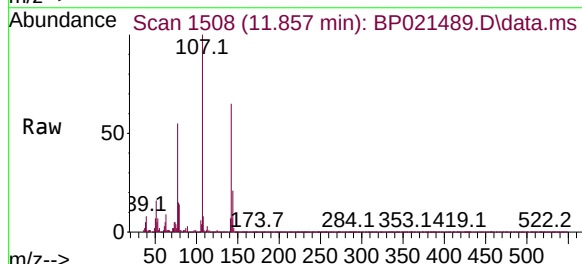
Manual Integrations
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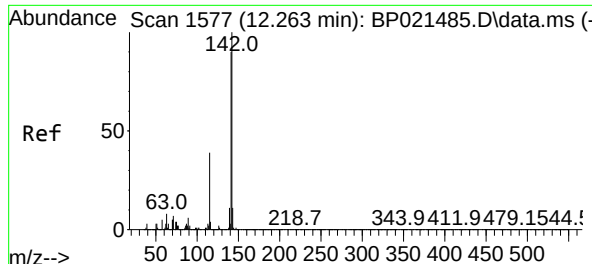
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

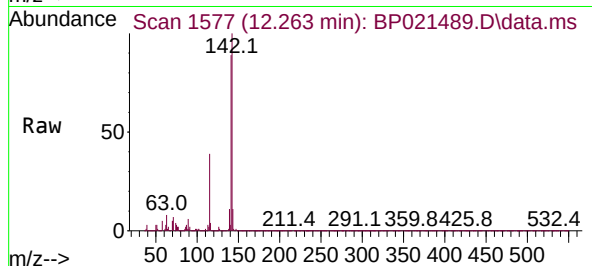
Tgt Ion:107 Resp: 1591956
Ion Ratio Lower Upper
107 100
144 20.9 16.6 24.8
142 64.9 51.0 76.4





#37
2-Methylnaphthalene
Concen: 40.412 ng
RT: 12.263 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

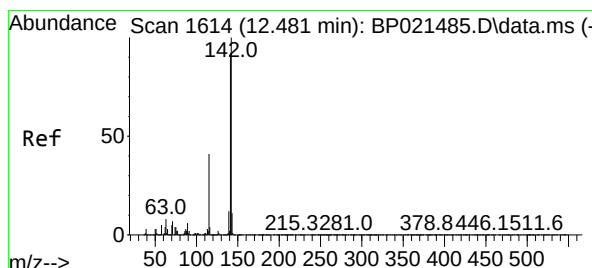
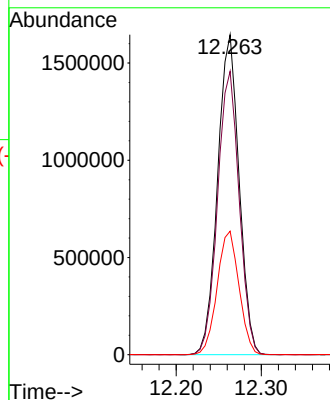
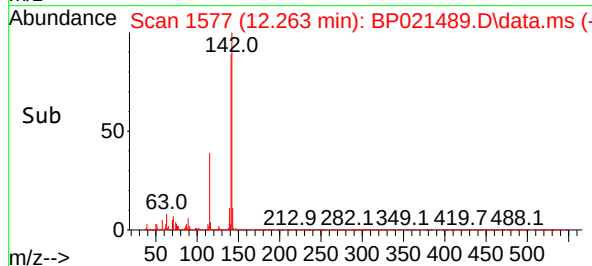
Instrument :
BNA_P
ClientSampleId :
ICVBP081324



Tgt Ion:142 Resp: 2882235
Ion Ratio Lower Upper
142 100
141 88.6 71.7 107.5
115 38.6 31.4 47.2

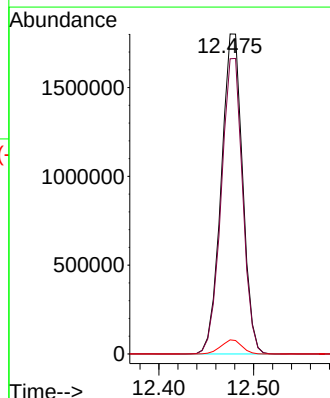
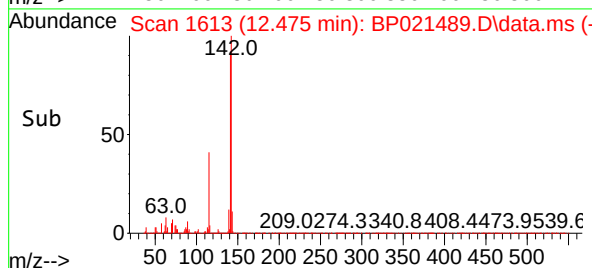
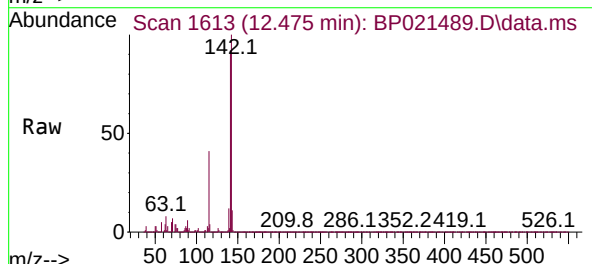
Manual Integrations
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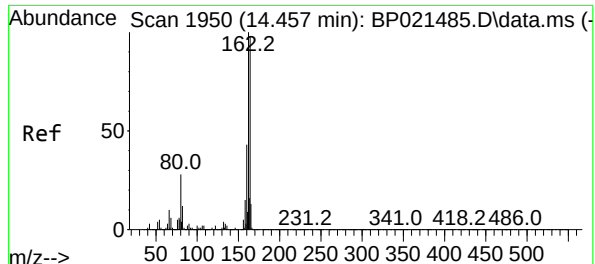
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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# 1950

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324

Tgt Ion:164 Resp: 1334240

Ion Ratio Lower Upper

164 100

162 102.1 81.5 122.3

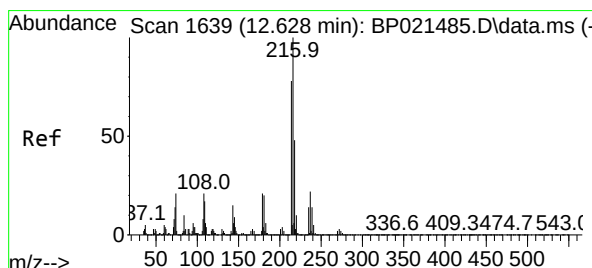
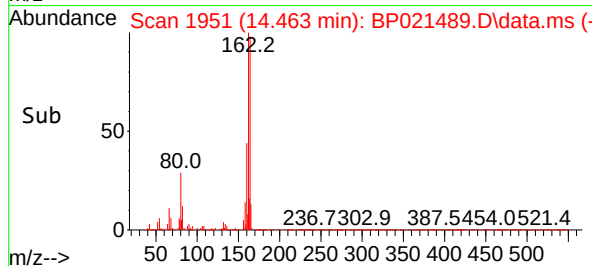
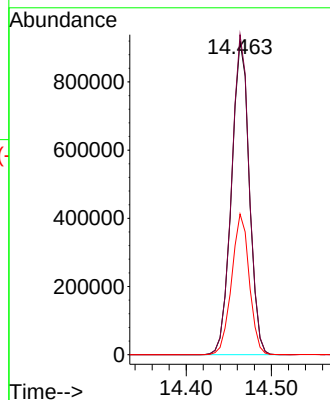
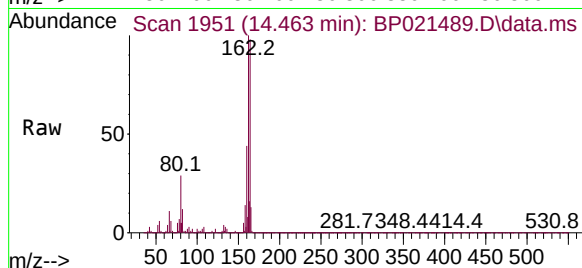
160 44.9 35.2 52.8

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: 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

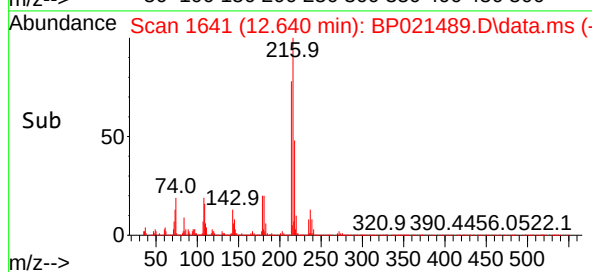
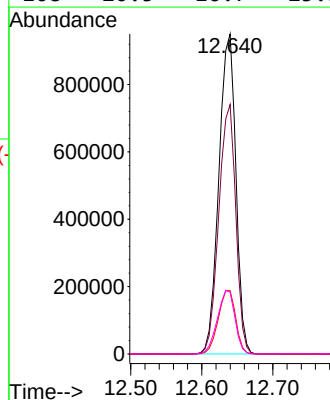
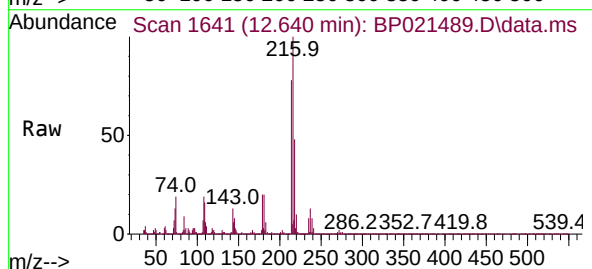
Ion Ratio Lower Upper

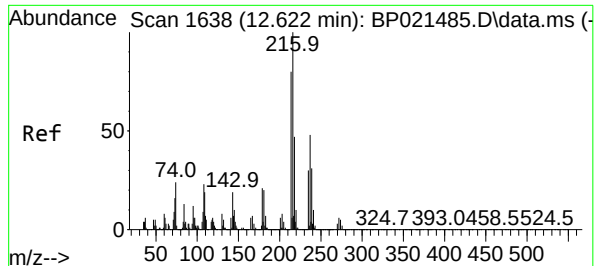
216 100

214 77.9 62.5 93.7

179 20.3 16.4 24.6

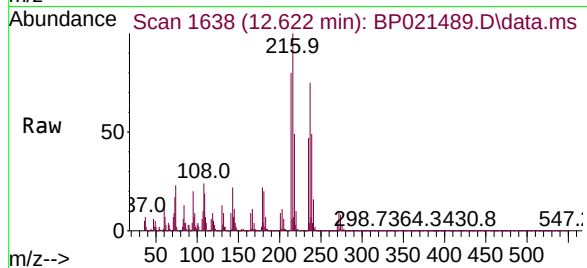
108 20.5 16.7 25.1





#41
Hexachlorocyclopentadiene
Concen: 43.183 ng
RT: 12.622 min Scan# 1638
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

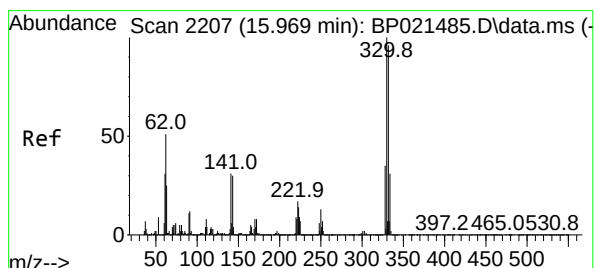
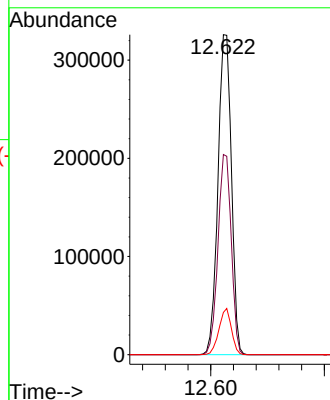
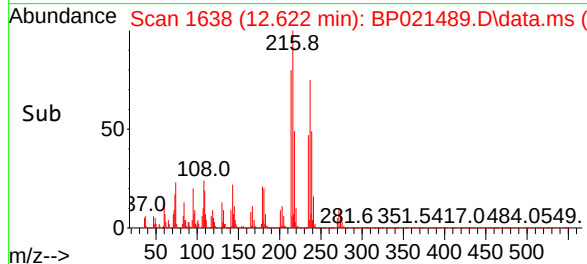
Instrument :
BNA_P
ClientSampleId :
ICVBP081324



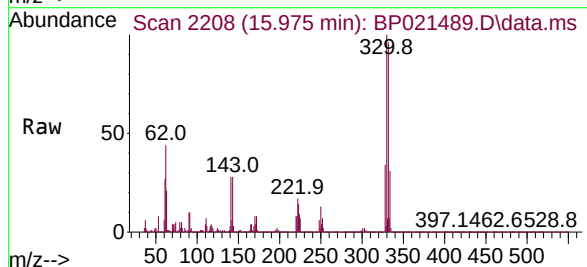
Tgt Ion: 237 Resp: 535050
Ion Ratio Lower Upper
237 100
235 62.6 43.9 83.9
272 13.2 0.0 33.3

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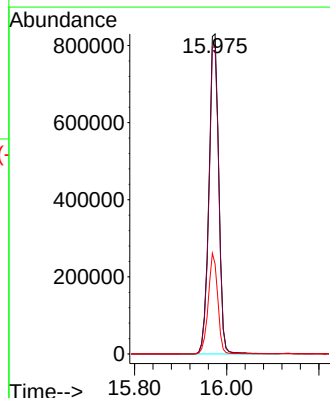
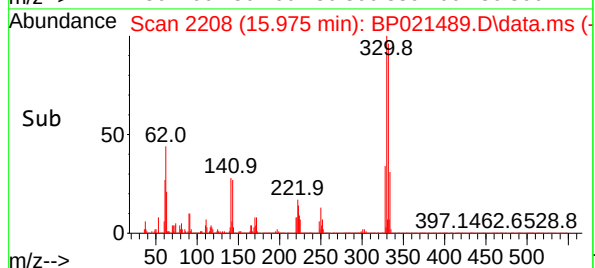
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024

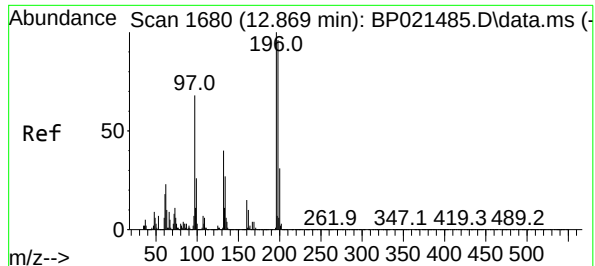


#42
2,4,6-Tribromophenol
Concen: 83.477 ng
RT: 15.975 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03



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# 1680

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

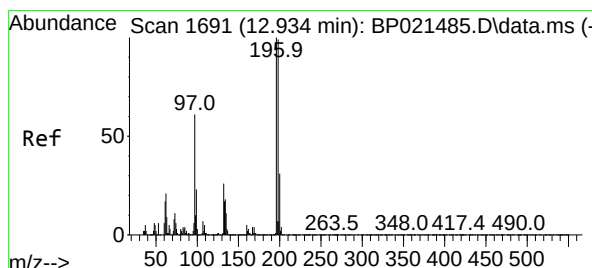
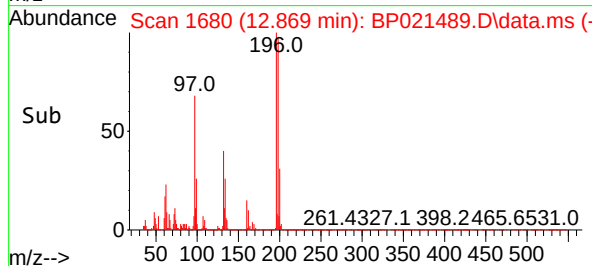
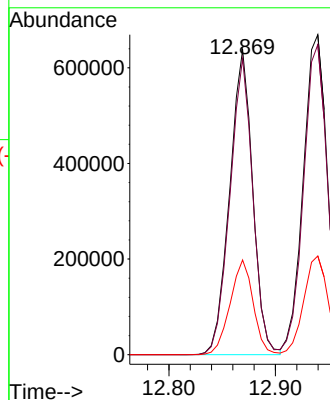
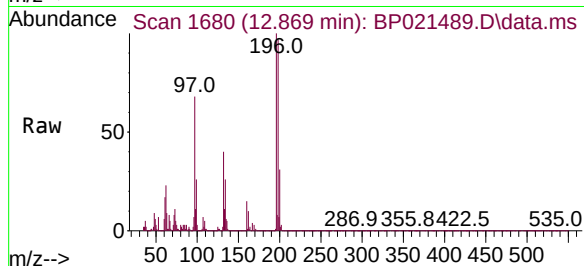
ICVBP081324

Tgt Ion:196	Resp: 960914
Ion Ratio	Lower Upper
196	100
198	97.1 76.6 114.8
200	31.1 24.5 36.7

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: 44.396 ng

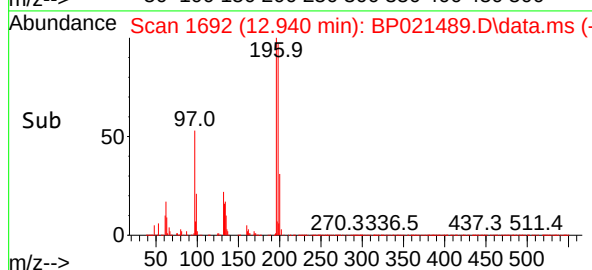
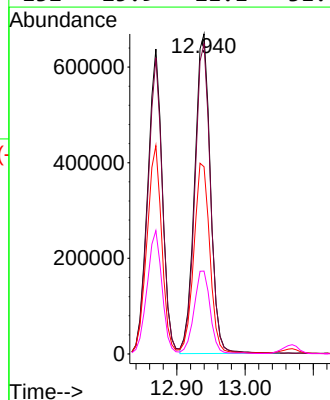
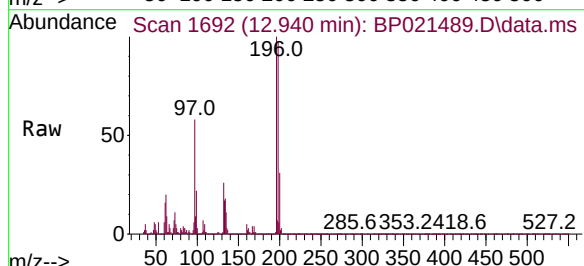
RT: 12.940 min Scan# 1692

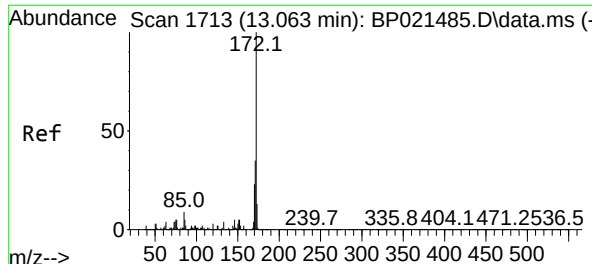
Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

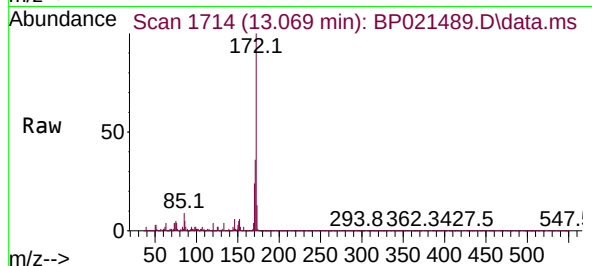
Tgt Ion:196	Resp: 1071161
Ion Ratio	Lower Upper
196	100
198	96.9 78.9 118.3
97	58.5 49.4 74.0
132	25.9 21.1 31.7





#45
2-Fluorobiphenyl
Concen: 78.649 ng
RT: 13.069 min Scan# 1713
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

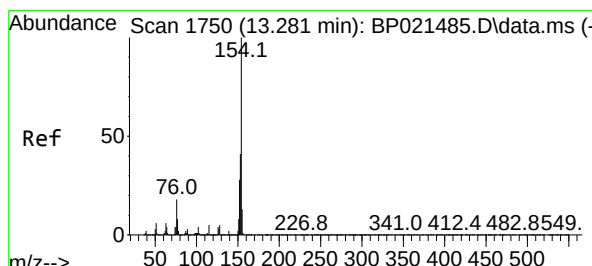
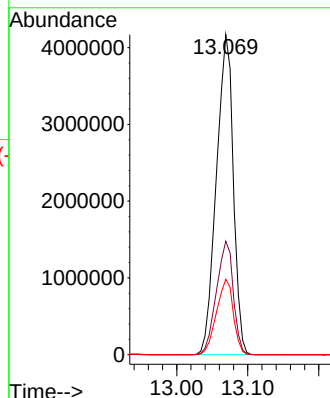
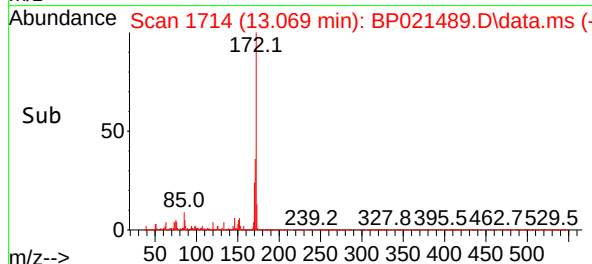
Instrument :
BNA_P
ClientSampleId :
ICVBP081324



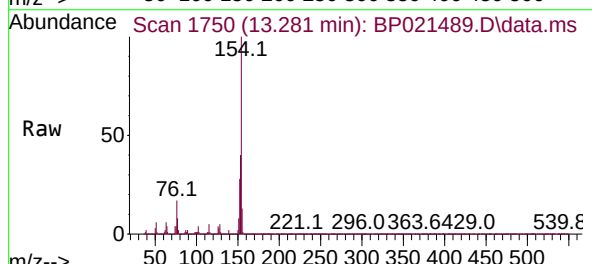
Tgt Ion:172 Resp: 687586
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.4
170 23.6 18.4 27.6

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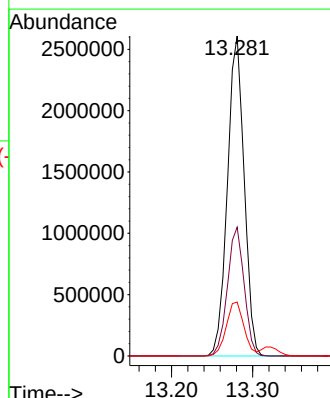
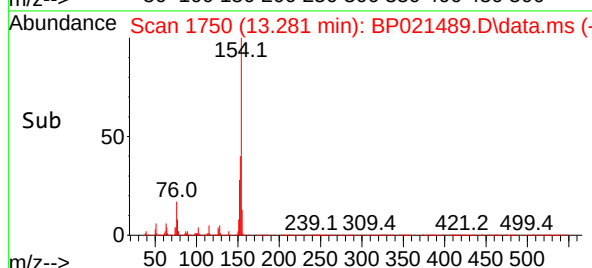
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

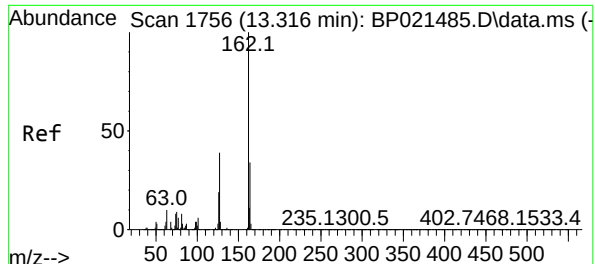


#46
1,1'-Biphenyl
Concen: 39.542 ng
RT: 13.281 min Scan# 1750
Delta R.T. -0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03



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# 1757

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324

Tgt Ion:162 Resp: 291730

Ion Ratio Lower Upper

162 100

127 40.2 31.9 47.9

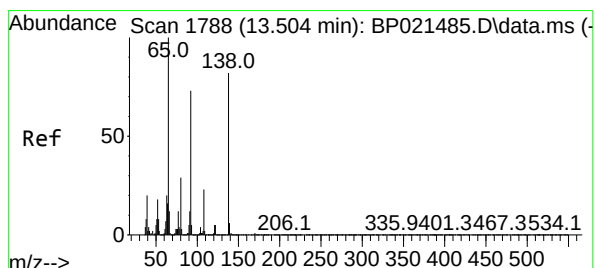
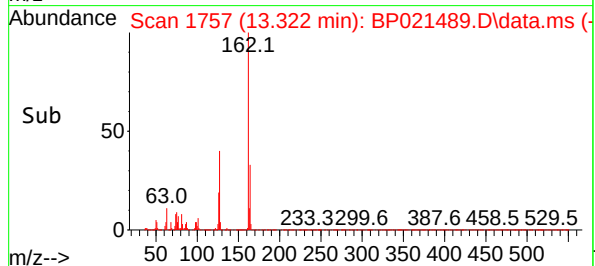
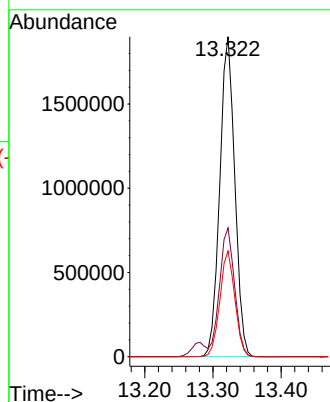
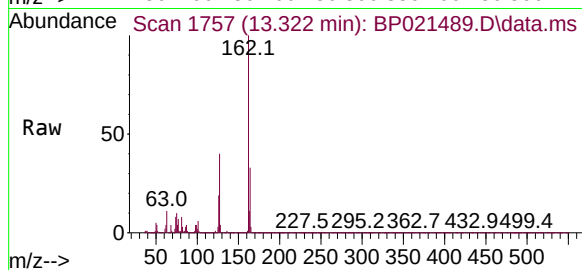
164 33.0 26.8 40.2

Manual Integrations

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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

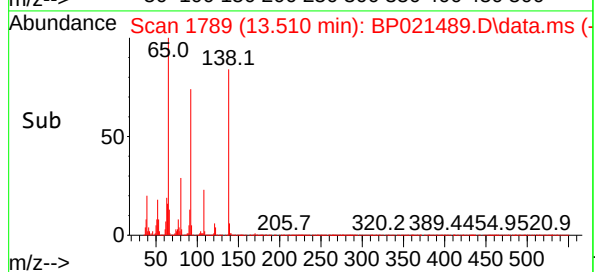
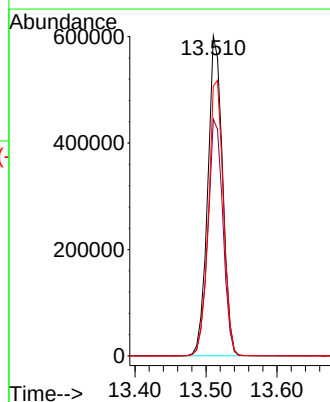
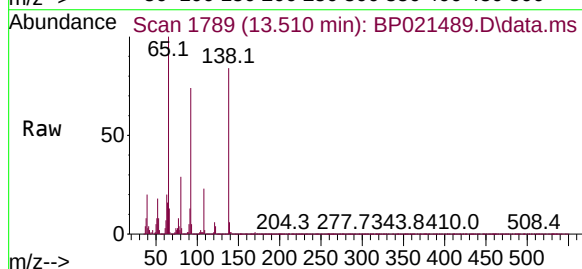
Tgt Ion: 65 Resp: 874355

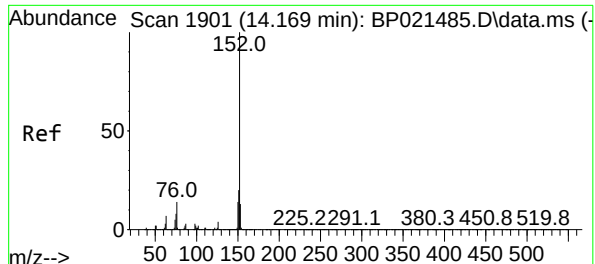
Ion Ratio Lower Upper

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# 1903

Delta R.T. 0.012 min

Lab File: BP021489.D

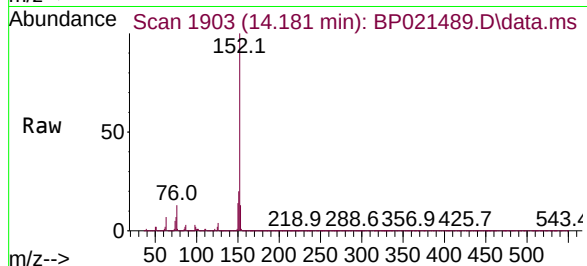
Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324



Tgt Ion:152 Resp: 427089

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

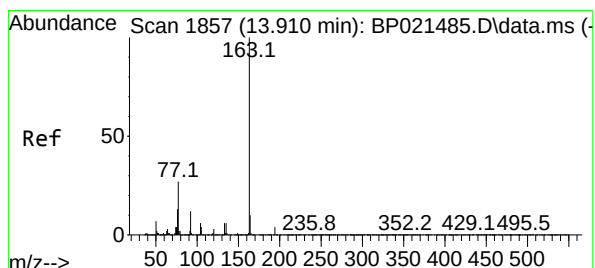
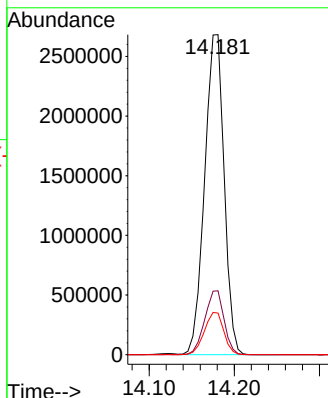
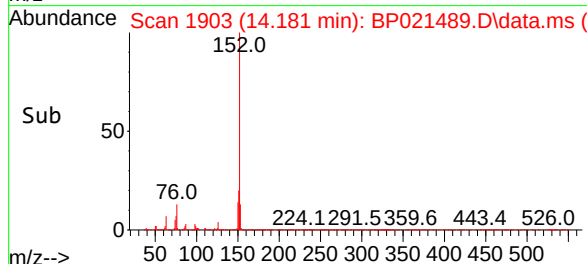
153 13.0 10.6 16.0

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Reviewed By :Yogesh Patel 08/14/2024

Supervised By :mohammad ahmed 08/14/2024



#50

Dimethylphthalate

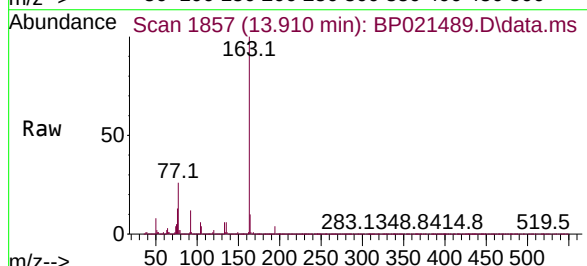
Concen: 39.127 ng

RT: 13.910 min Scan# 1857

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03



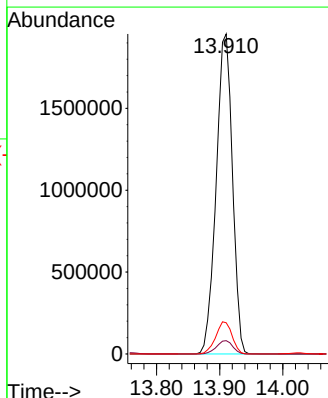
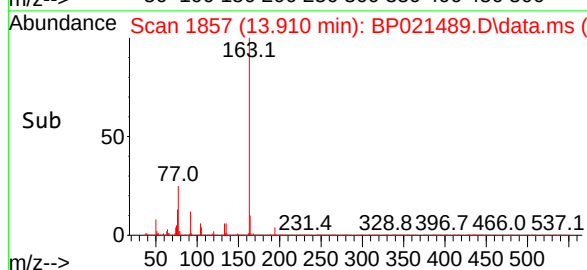
Tgt Ion:163 Resp: 3496130

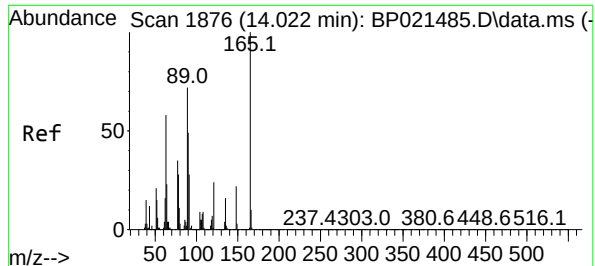
Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

164 9.7 8.3 12.5





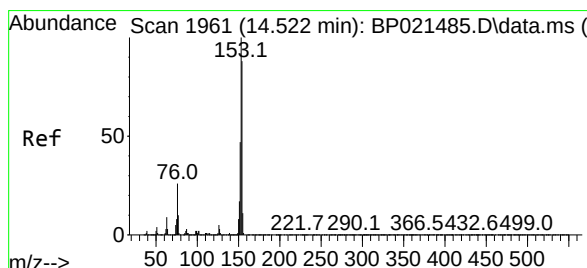
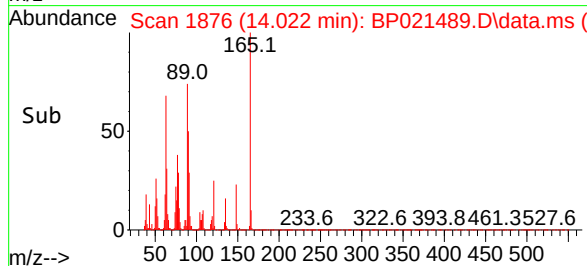
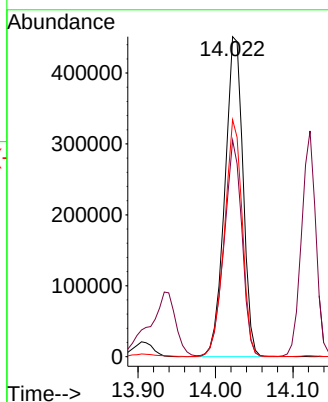
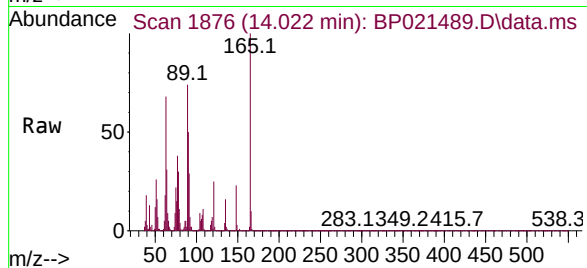
#51
2,6-Dinitrotoluene
Concen: 41.424 ng
RT: 14.022 min Scan# 1876
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Tgt Ion:165 Resp: 735994
Ion Ratio Lower Upper
165 100
63 67.6 51.5 77.3
89 74.0 57.8 86.8

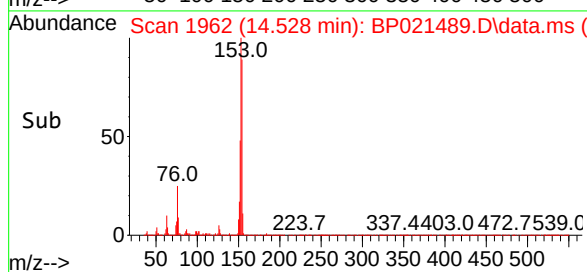
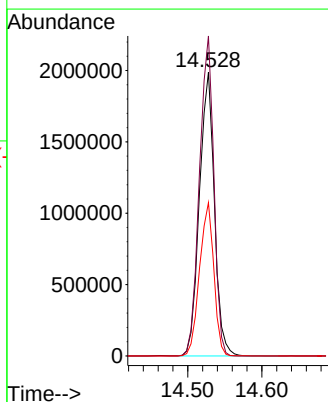
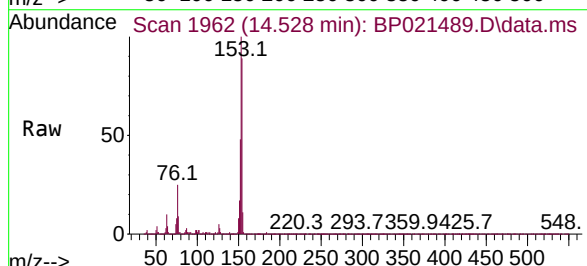
Manual Integrations
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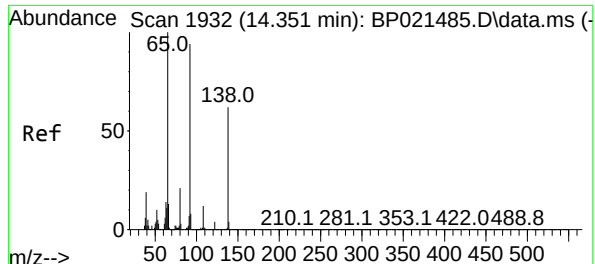
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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





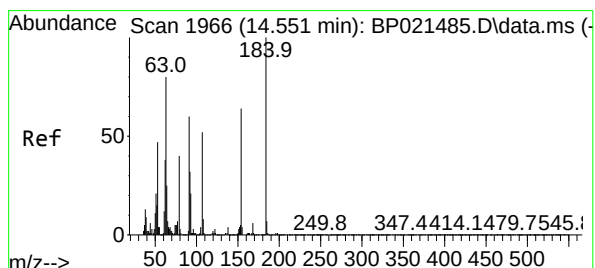
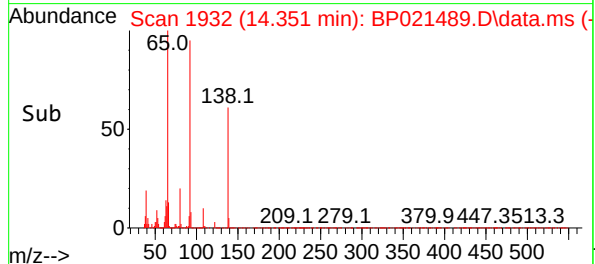
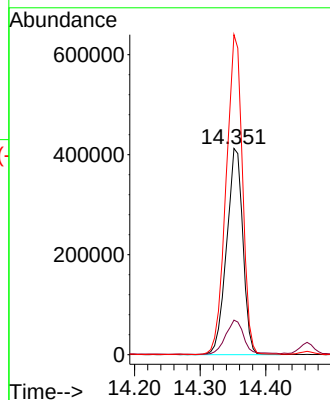
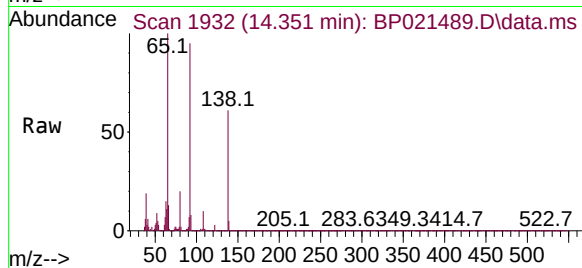
#53
3-Nitroaniline
Concen: 40.483 ng
RT: 14.351 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Instrument :
BNA_P
ClientSampleId :
ICVBP081324

Tgt Ion:138 Resp: 705420
Ion Ratio Lower Upper
138 100
108 16.7 16.2 24.4
92 155.2 122.2 183.4

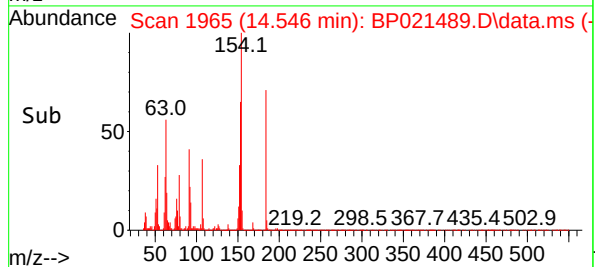
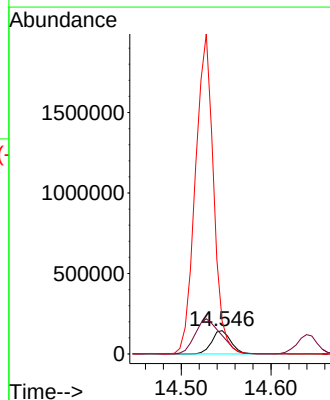
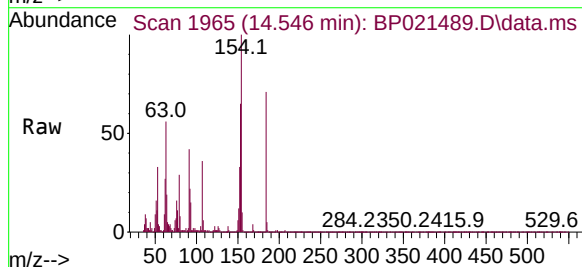
Manual Integrations
APPROVED

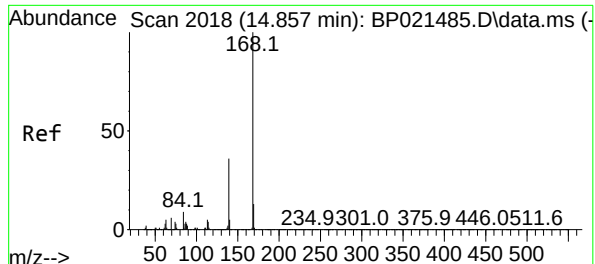
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

Dibenzenofuran

Concen: 38.543 ng

RT: 14.863 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324

Tgt Ion:168 Resp: 4202990

Ion Ratio Lower Upper

168 100

139 36.4 28.6 43.0

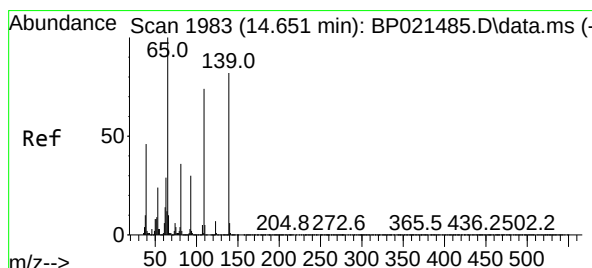
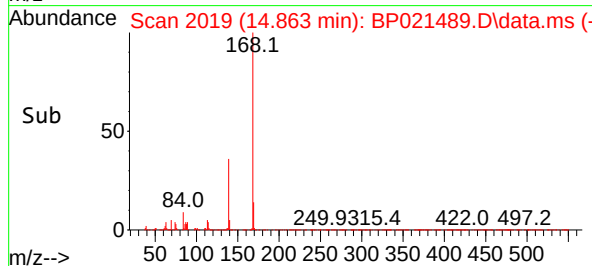
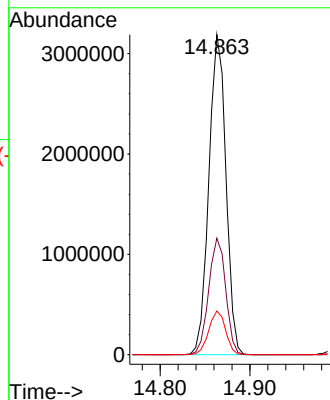
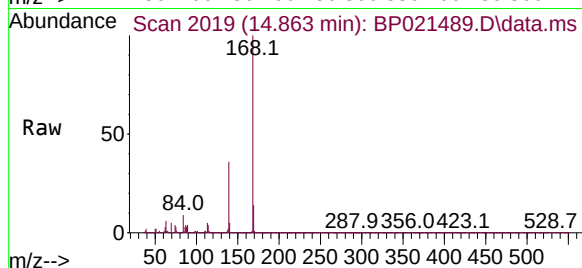
169 13.6 10.6 16.0

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

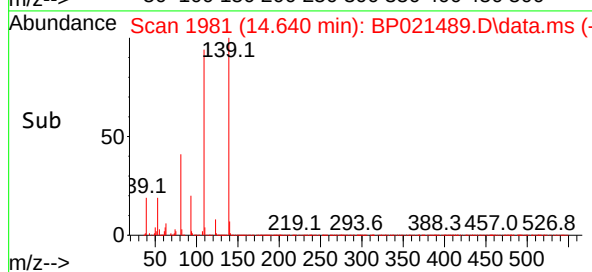
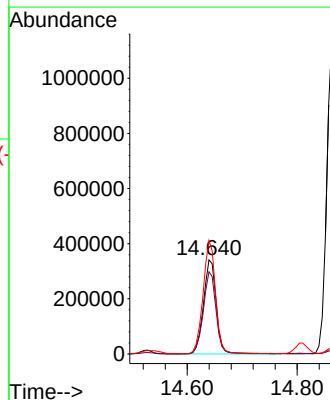
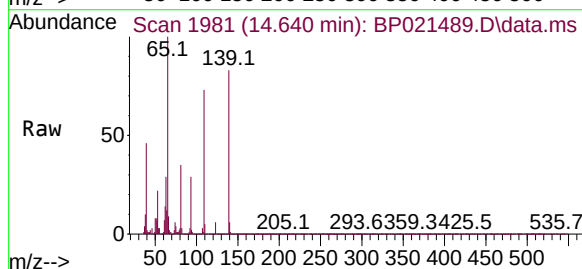
Tgt Ion:139 Resp: 545969

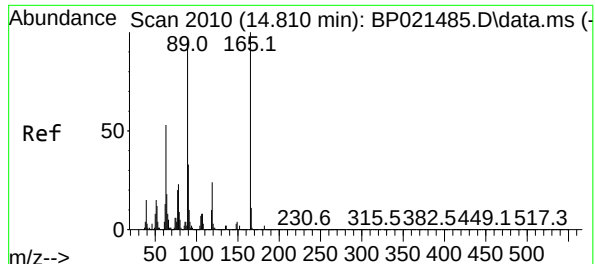
Ion Ratio Lower Upper

139 100

109 87.4 70.2 110.2

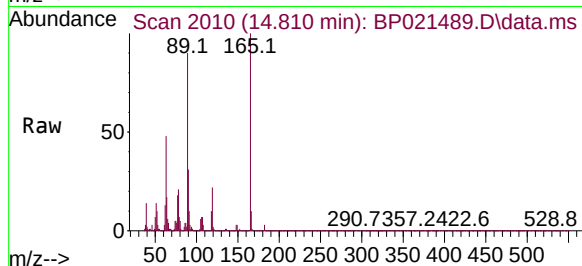
65 120.5 101.8 141.8





#57
2,4-Dinitrotoluene
Concen: 40.864 ng
RT: 14.810 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

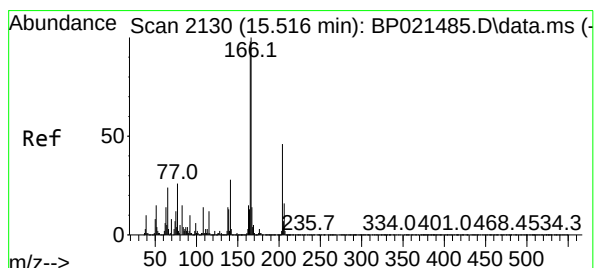
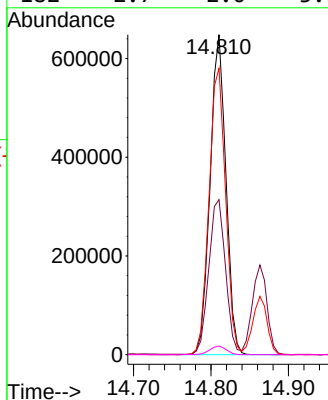
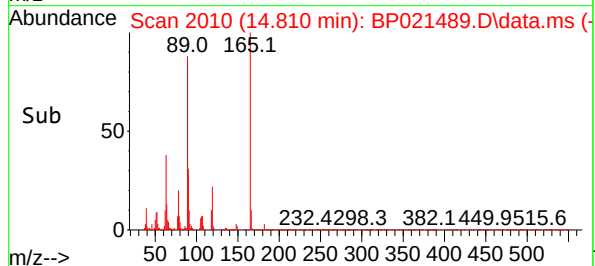
Instrument :
BNA_P
Client Sample Id :
ICVBP081324



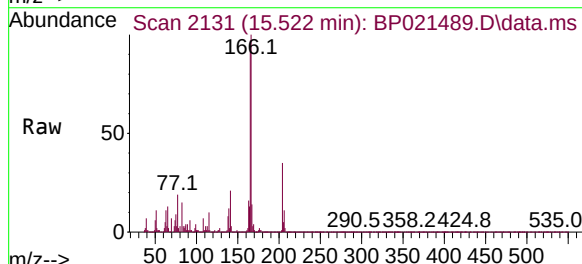
Tgt Ion:165 Resp: 917790
Ion Ratio Lower Upper
165 100
63 48.5 42.5 63.7
89 89.5 77.1 115.7
182 2.7 2.0 3.0

Manual Integrations
APPROVED

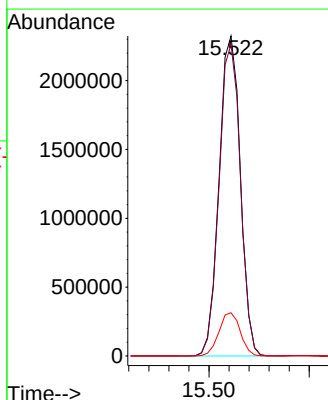
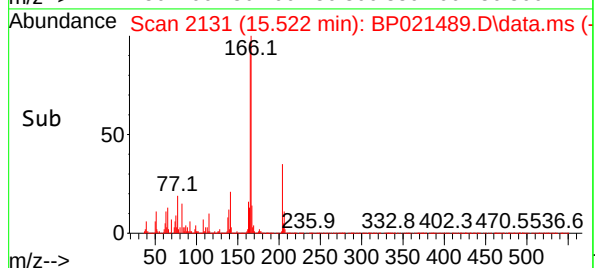
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024

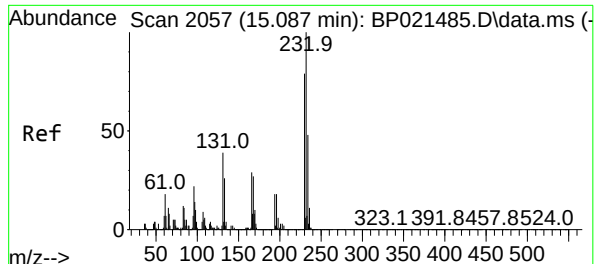


#58
Fluorene
Concen: 38.055 ng
RT: 15.522 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03



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# 2058
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

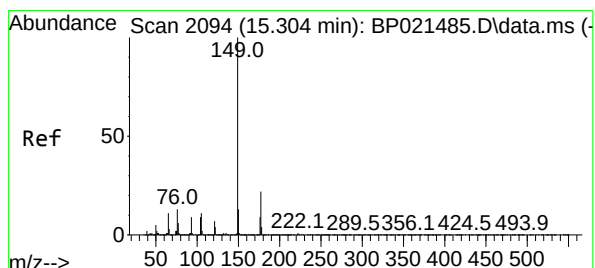
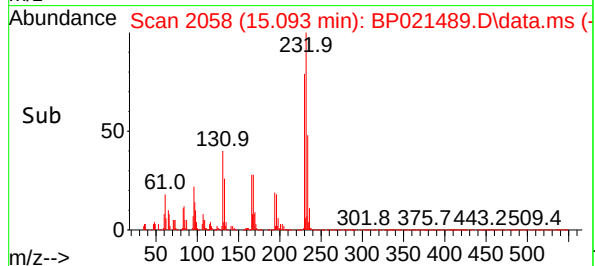
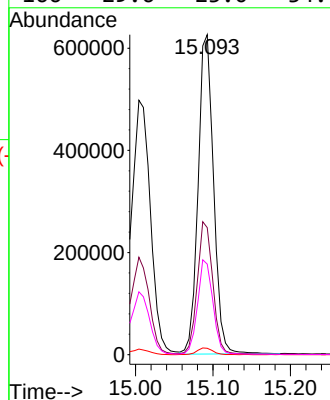
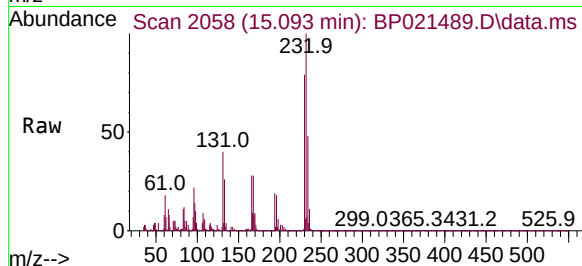
ClientSampleId :

ICVBP081324

Tgt 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

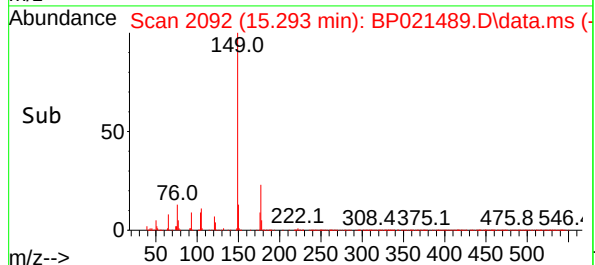
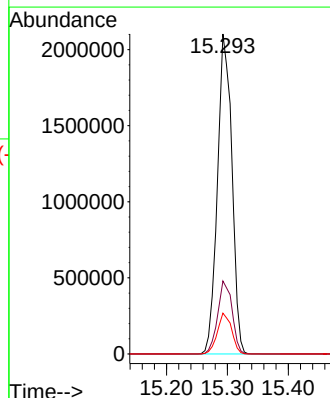
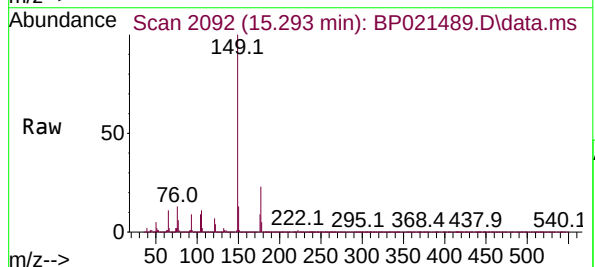
Manual Integrations
APPROVED

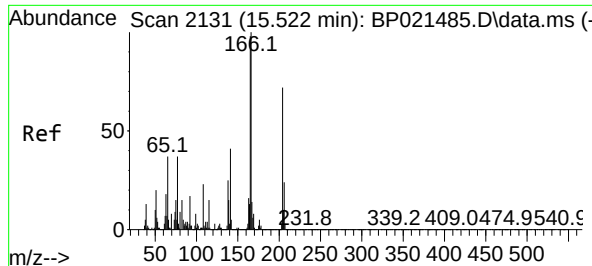
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

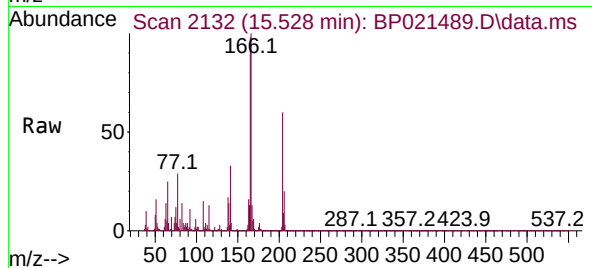
Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.8	26.8
150	12.7	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 38.777 ng
RT: 15.528 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

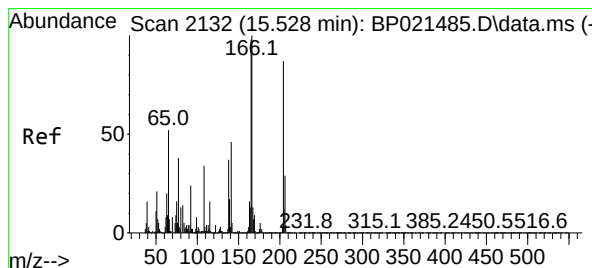
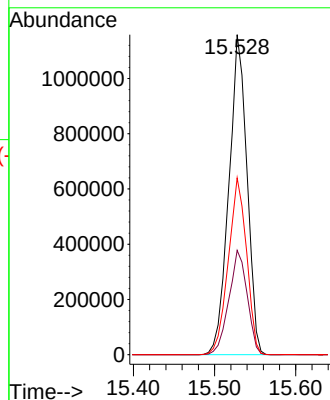
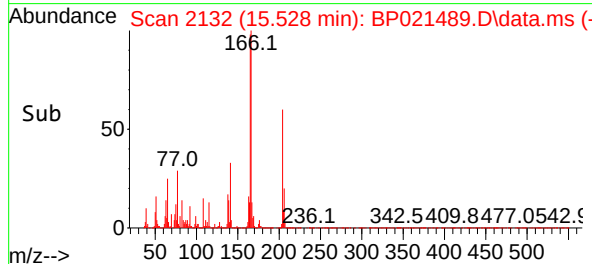
Instrument :
BNA_P
ClientSampleId :
ICVBP081324



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

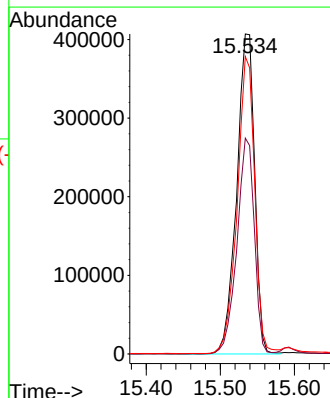
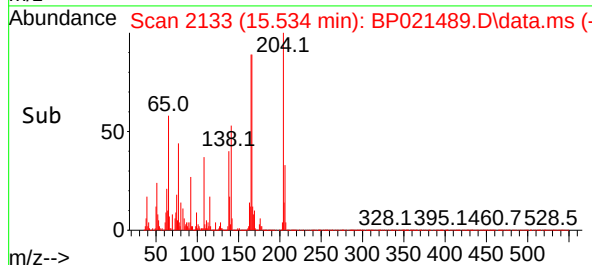
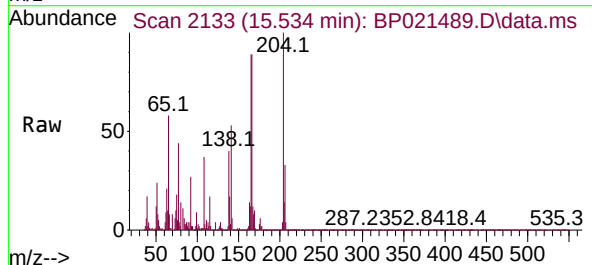
Manual Integrations
APPROVED

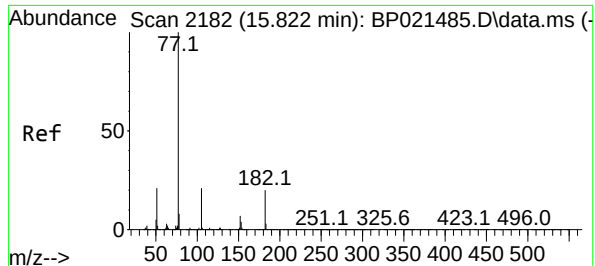
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

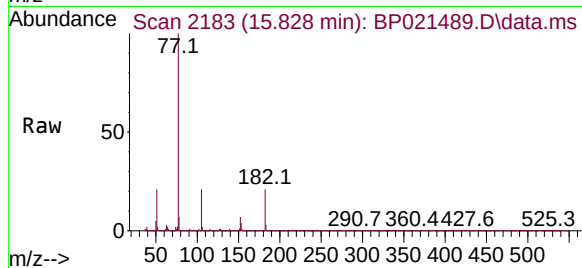
Tgt Ion:138 Resp: 685273
Ion Ratio Lower Upper
138 100
92 67.4 46.4 86.4
108 93.0 73.2 113.2





#63
Azobenzene
Concen: 37.833 ng
RT: 15.828 min Scan# 2182
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

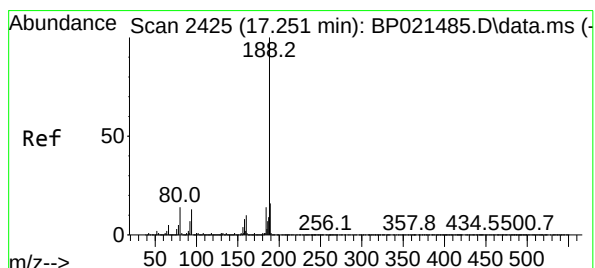
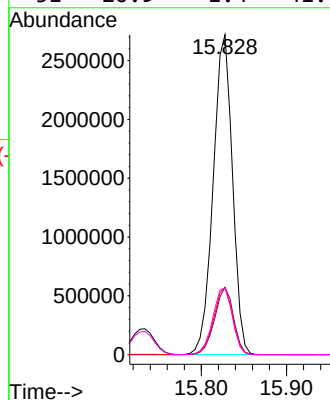
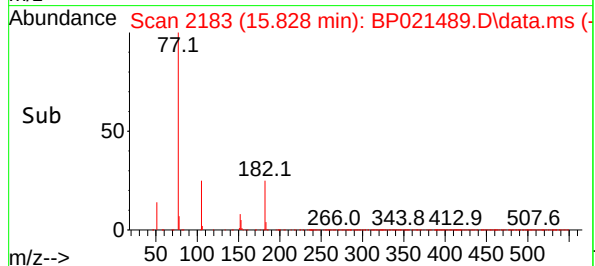
Instrument :
BNA_P
ClientSampleId :
ICVBP081324



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

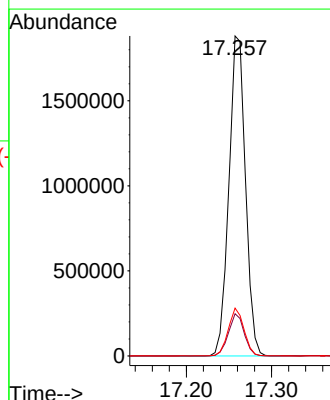
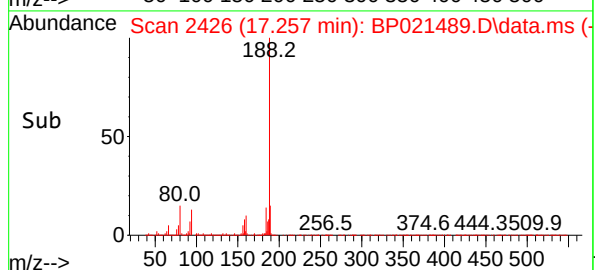
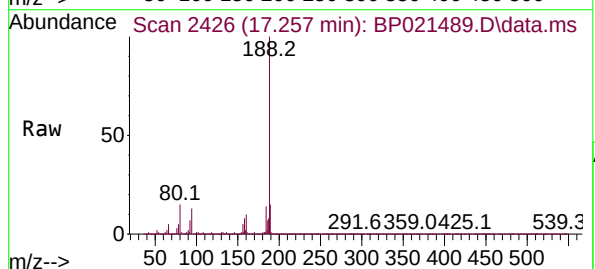
Manual Integrations
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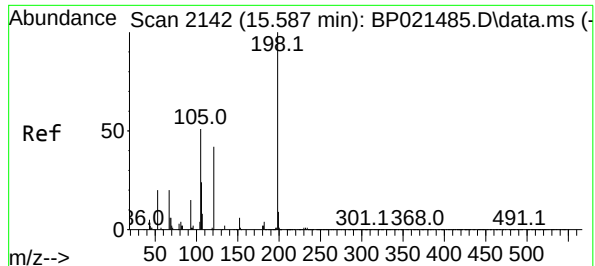
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 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# 2143

Delta R.T. 0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324

Tgt Ion:198 Resp: 343500

Ion Ratio Lower Upper

198 100

51 39.6 21.5 61.5

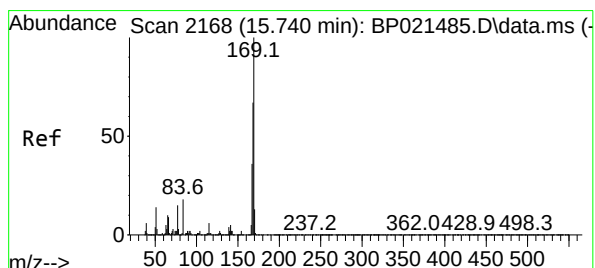
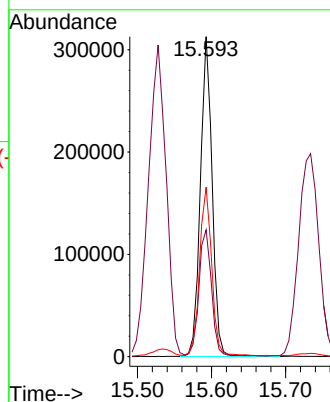
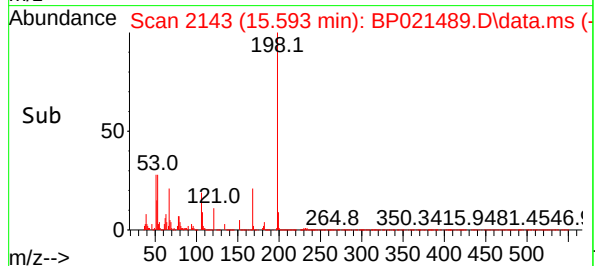
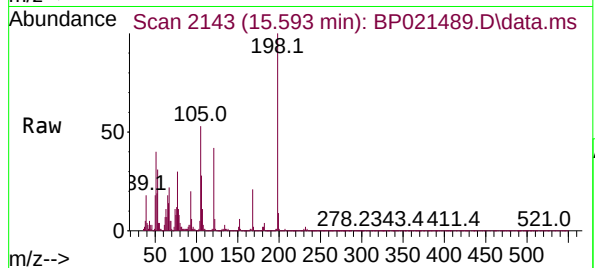
105 53.0 32.9 72.9

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

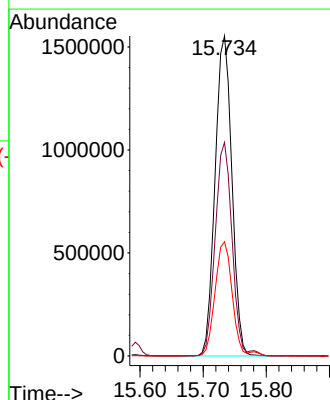
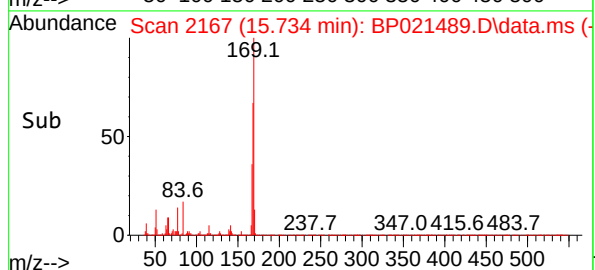
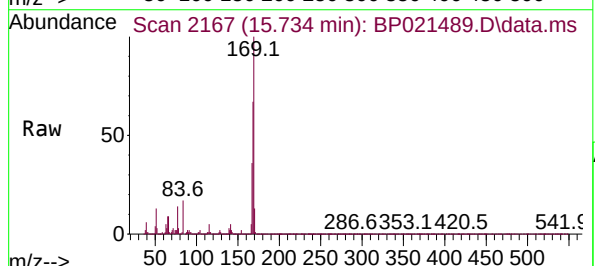
Tgt Ion:169 Resp: 2863059

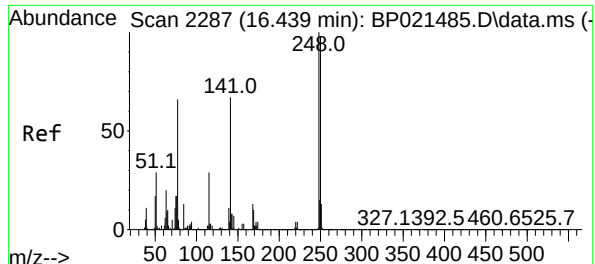
Ion Ratio Lower Upper

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# 2287

Delta R.T. 0.000 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324

Tgt Ion:248 Resp: 113596

Ion Ratio Lower Upper

248 100

250 98.2 78.6 117.8

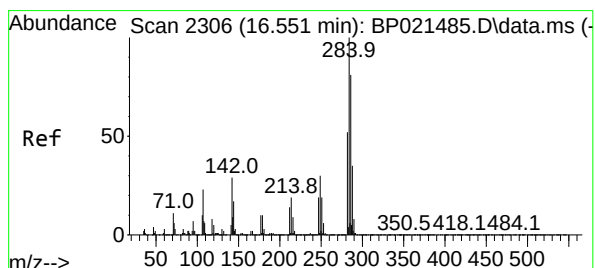
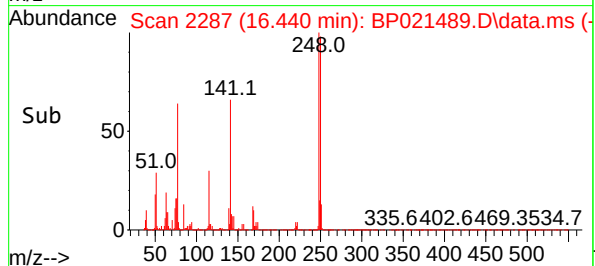
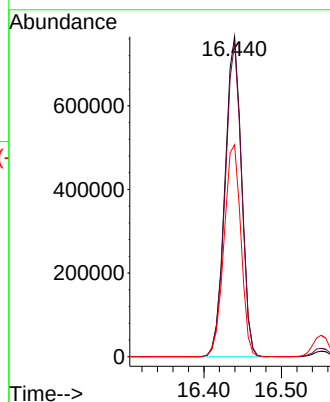
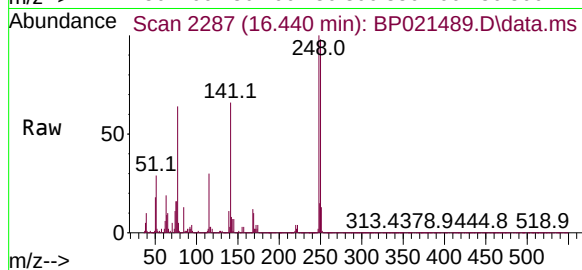
141 66.3 53.9 80.9

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

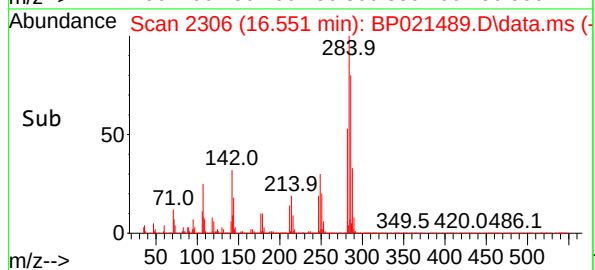
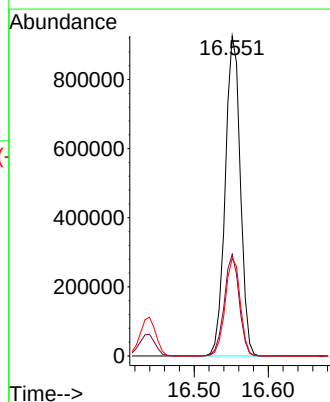
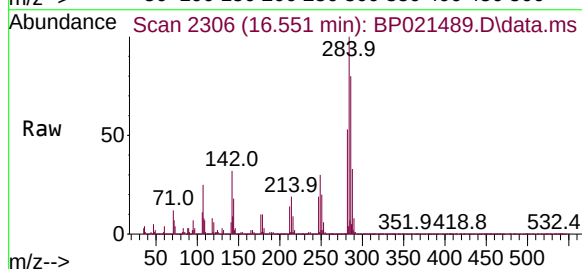
Tgt Ion:284 Resp: 1306627

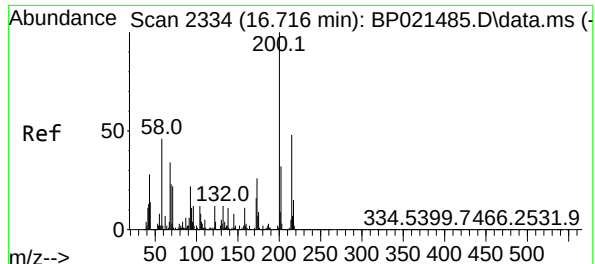
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.006 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324

Tgt Ion:200 Resp: 90726

Ion Ratio Lower Upper

200 100

173 26.3 6.2 46.2

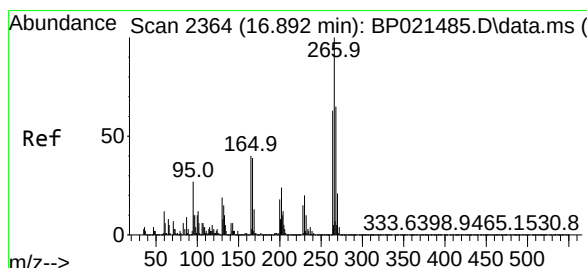
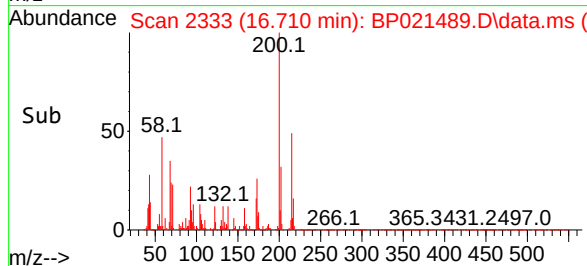
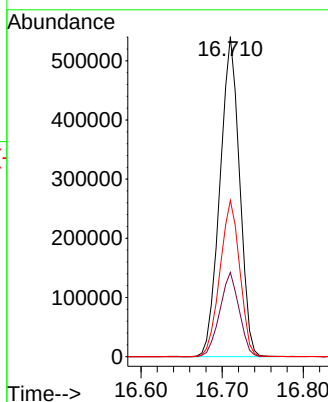
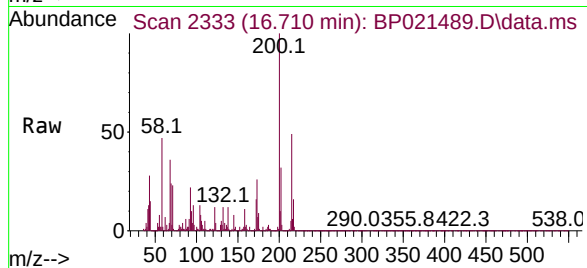
215 48.9 28.4 68.4

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

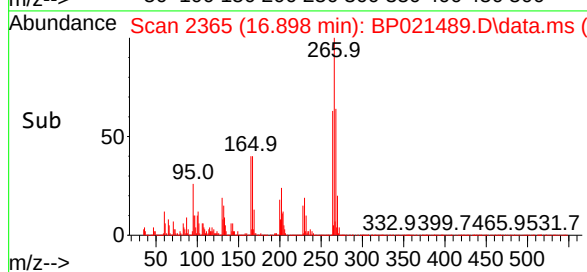
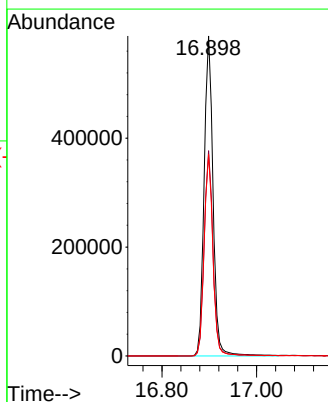
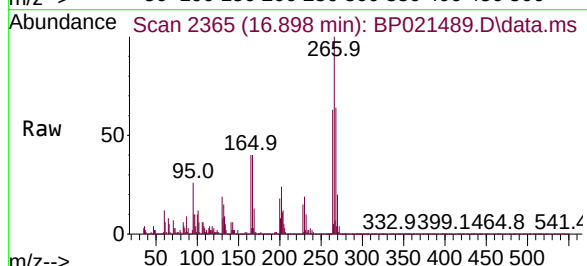
Tgt Ion:266 Resp: 770079

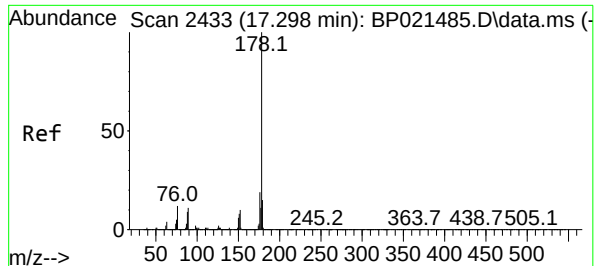
Ion Ratio Lower Upper

266 100

268 64.2 51.8 77.6

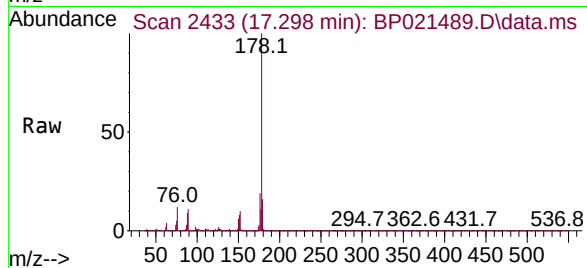
264 63.0 50.5 75.7





#71
Phenanthrene
Concen: 39.541 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

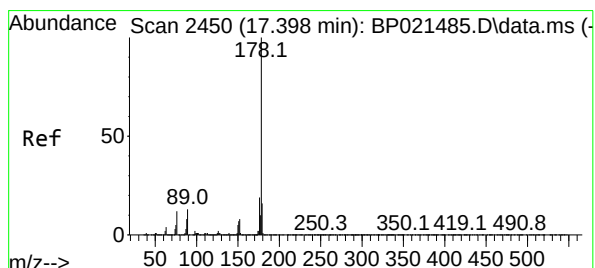
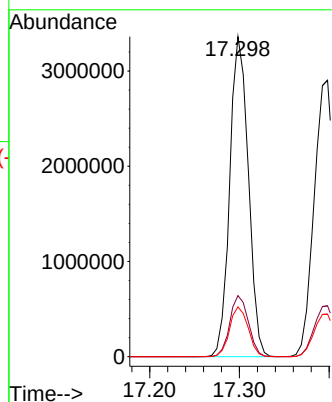
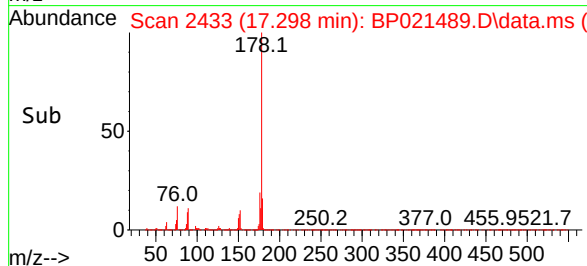
Instrument :
BNA_P
Client Sample Id :
ICVBP081324



Tgt Ion:178 Resp: 4826480
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.6 12.4 18.6

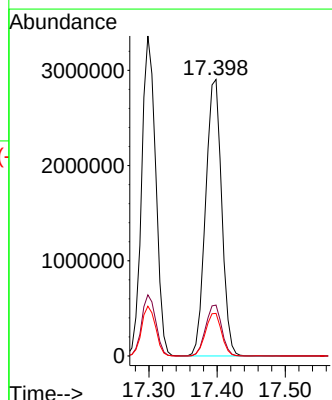
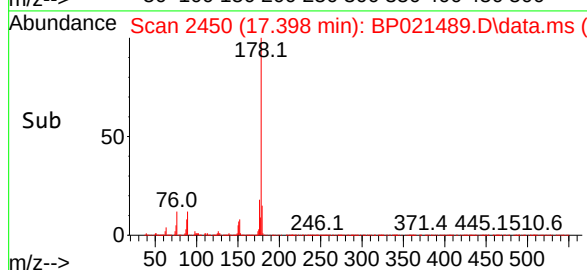
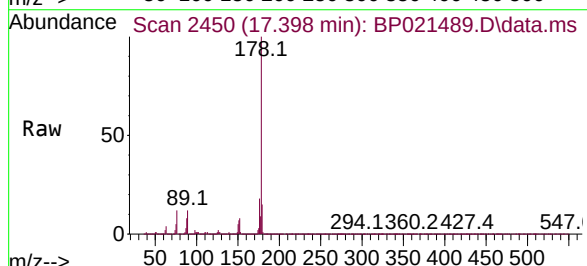
Manual Integrations
APPROVED

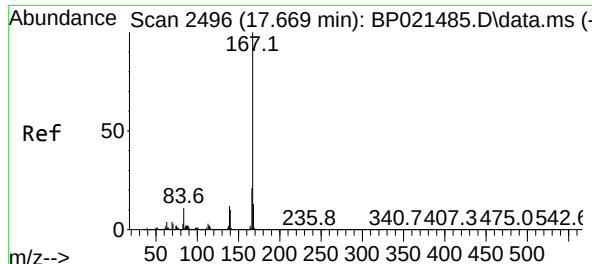
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

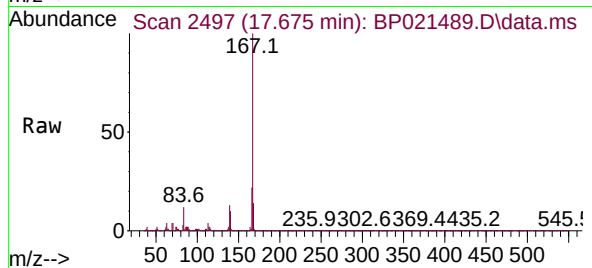
Tgt Ion:178 Resp: 4745227
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 15.4 12.5 18.7





#73
Carbazole
Concen: 37.457 ng
RT: 17.675 min Scan# 2497
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

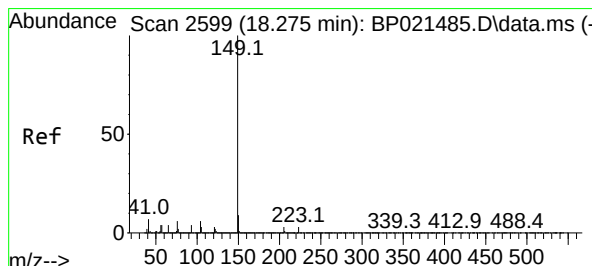
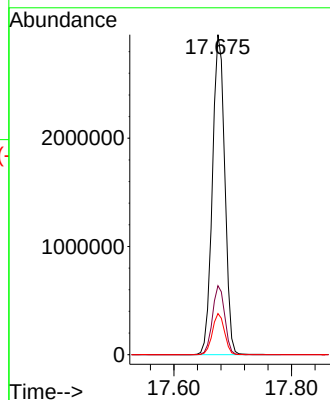
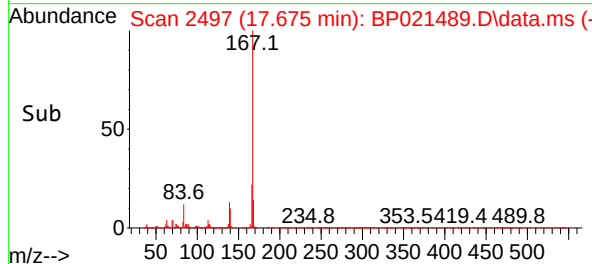
Instrument :
BNA_P
Client Sample Id :
ICVBP081324



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

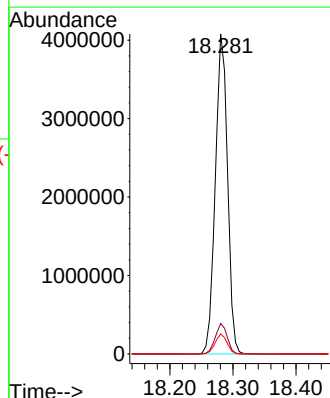
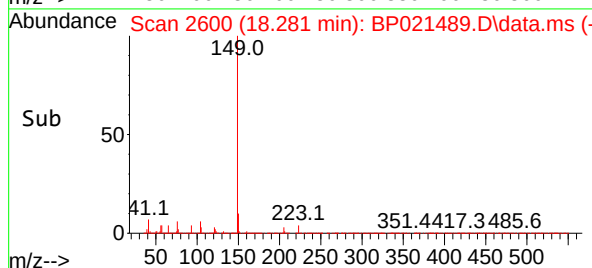
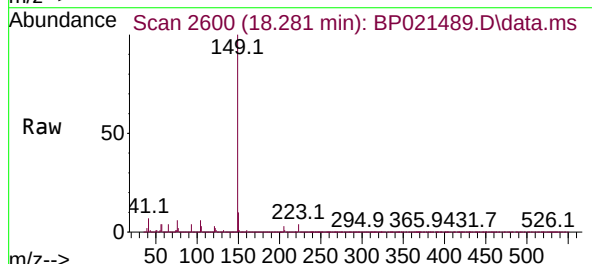
Manual Integrations
APPROVED

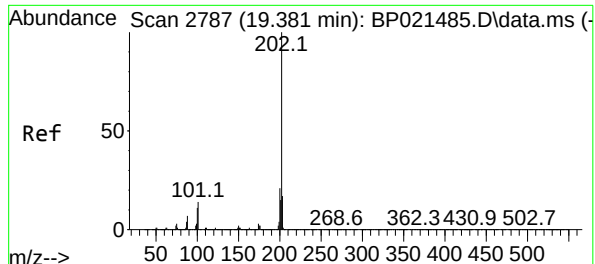
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

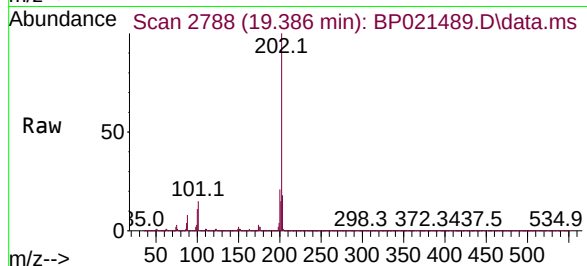
Tgt Ion:149 Resp: 5456093
Ion Ratio Lower Upper
149 100
150 9.5 7.5 11.3
104 6.2 4.9 7.3





#75
Fluoranthene
Concen: 36.288 ng
RT: 19.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

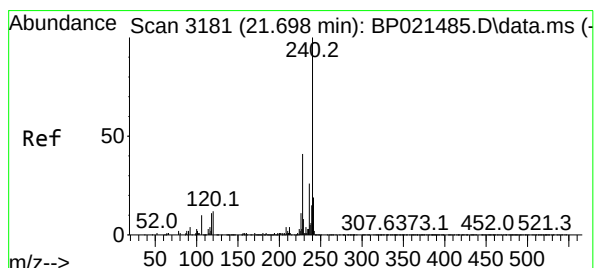
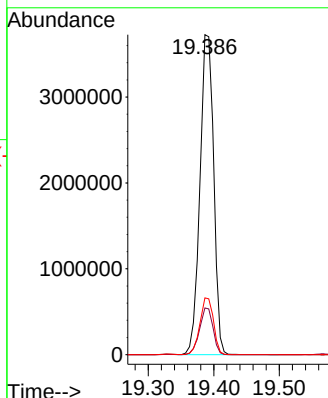
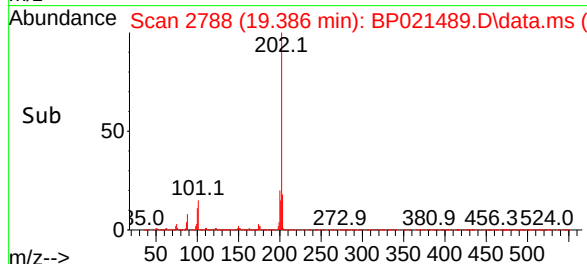
Instrument :
BNA_P
ClientSampleId :
ICVBP081324



Tgt Ion:202 Resp: 5434874
Ion Ratio Lower Upper
202 100
101 14.6 0.0 34.0
203 17.7 0.0 37.5

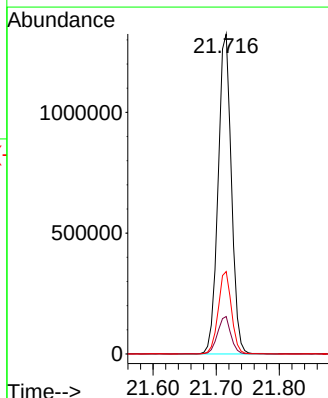
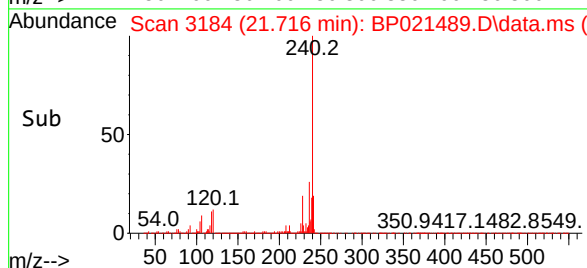
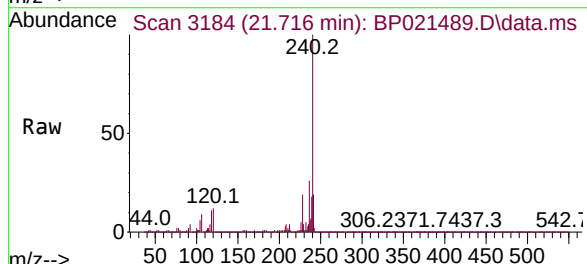
Manual Integrations
APPROVED

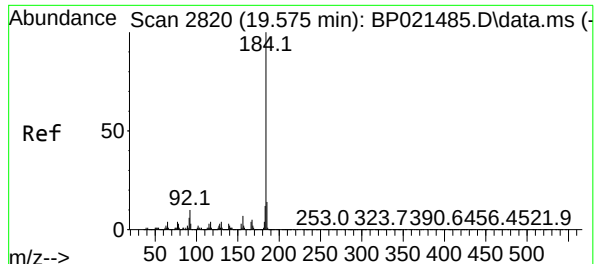
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

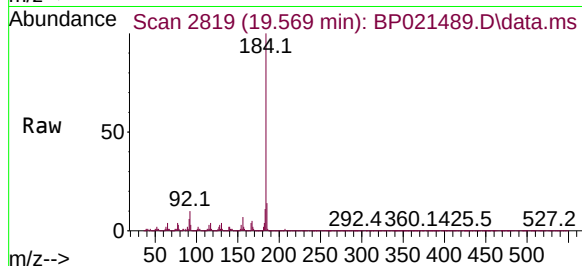
Tgt Ion:240 Resp: 1932921
Ion Ratio Lower Upper
240 100
120 11.7 9.9 14.9
236 25.8 20.6 30.8





#77
Benzidine
Concen: 30.320 ng
RT: 19.569 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

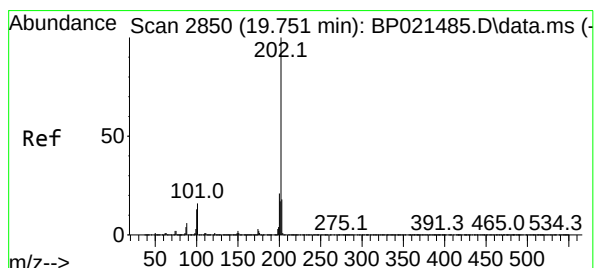
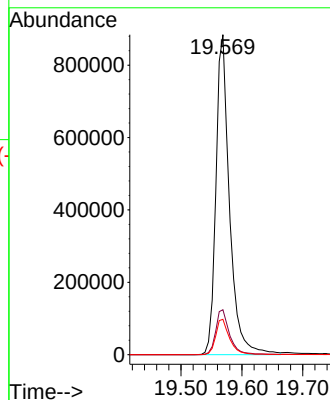
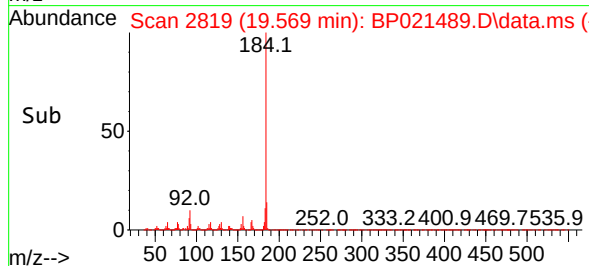
Instrument :
BNA_P
ClientSampleId :
ICVBP081324



Tgt Ion:184 Resp: 1367550
Ion Ratio Lower Upper
184 100
185 14.1 11.4 17.0
183 11.1 9.3 13.9

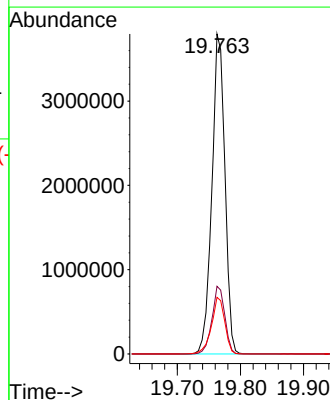
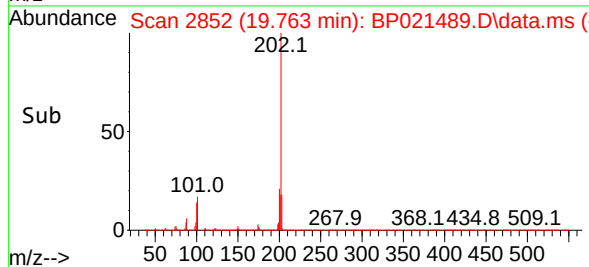
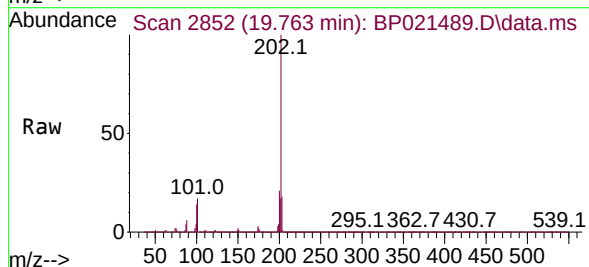
Manual Integrations
APPROVED

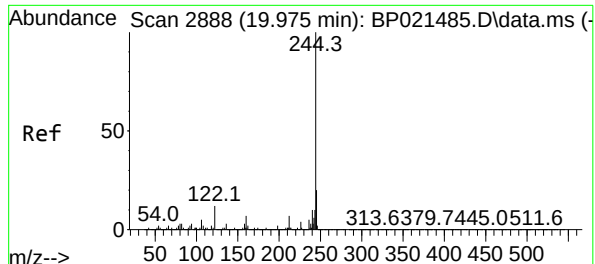
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

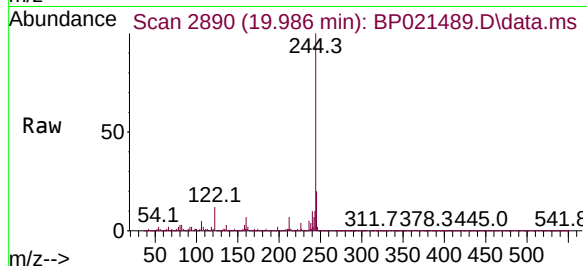
Tgt Ion:202 Resp: 5438173
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 17.7 14.1 21.1





#79
 Terphenyl-d14
 Concen: 86.216 ng
 RT: 19.986 min Scan# 2888
 Delta R.T. 0.011 min
 Lab File: BP021489.D
 Acq: 13 Aug 2024 19:03

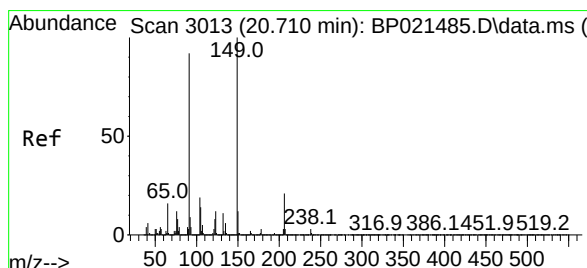
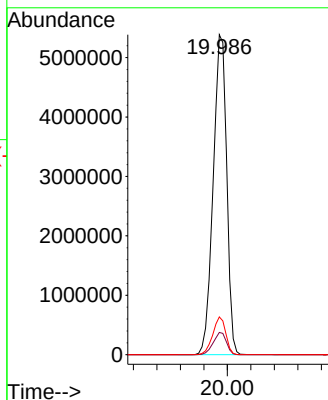
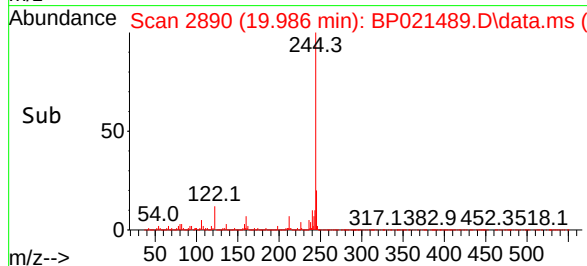
Instrument :
 BNA_P
 Client Sample Id :
 ICVBP081324



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

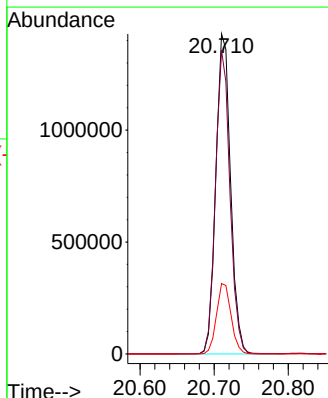
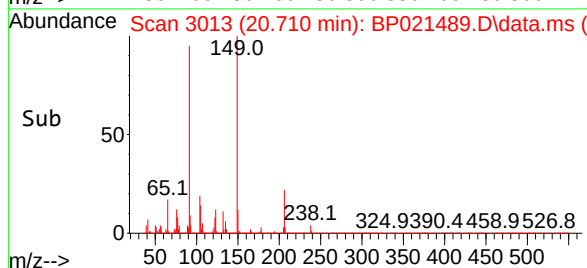
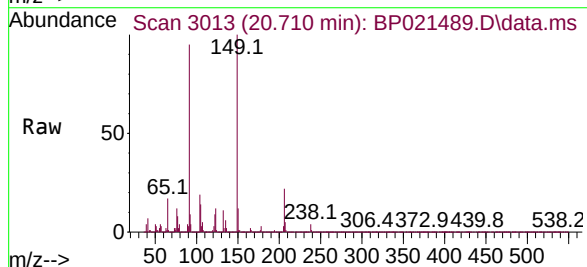
Manual Integrations
 APPROVED

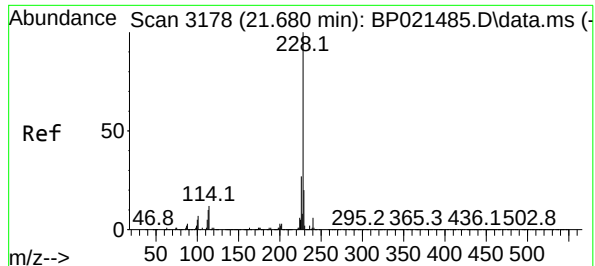
Reviewed By : Yogesh Patel 08/14/2024
 Supervised By : mohammad ahmed 08/14/2024



#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

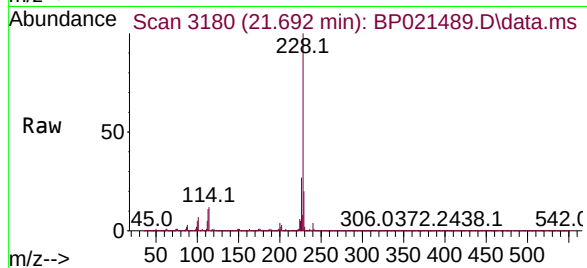
Tgt Ion: 149 Resp: 1972270
 Ion Ratio Lower Upper
 149 100
 91 94.9 73.3 109.9
 206 22.0 17.1 25.7





#81
Benzo(a)anthracene
Concen: 40.172 ng
RT: 21.692 min Scan# 3180
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

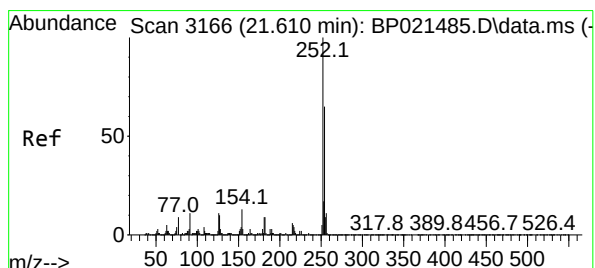
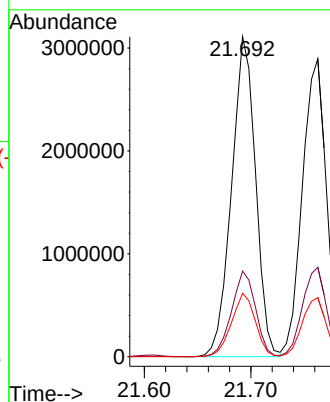
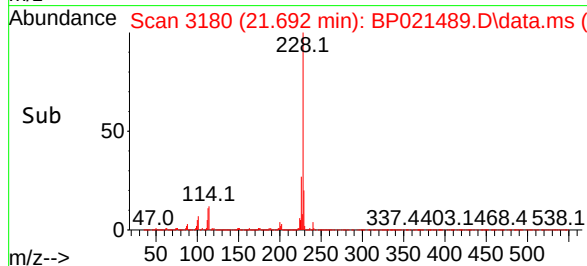
Instrument :
BNA_P
ClientSampleId :
ICVBP081324



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

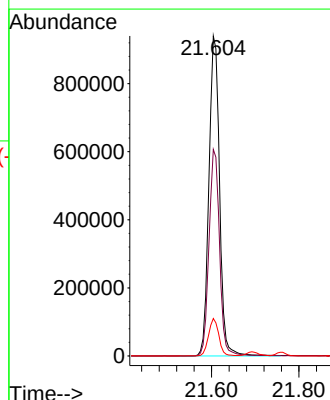
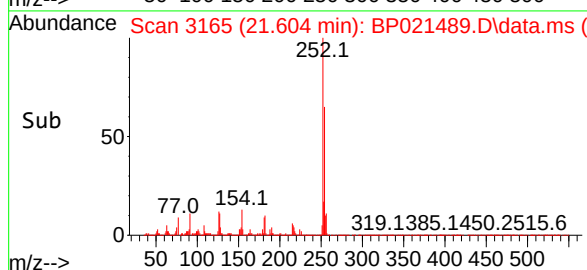
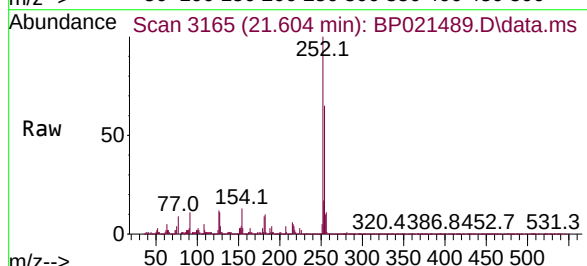
Manual Integrations
APPROVED

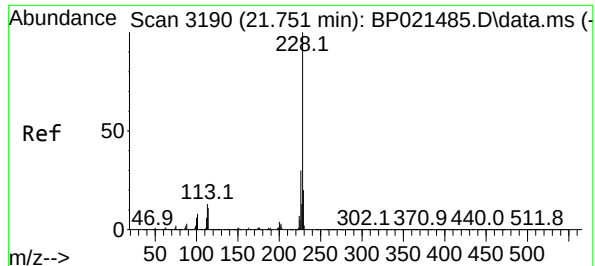
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

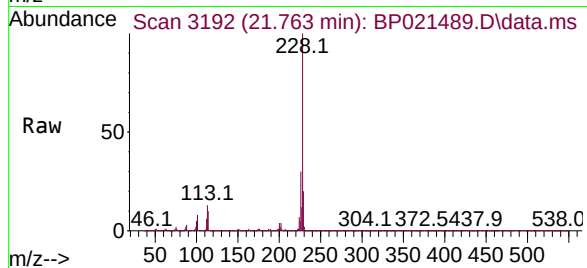
Tgt Ion:252 Resp: 1592617
Ion Ratio Lower Upper
252 100
254 64.6 51.7 77.5
126 11.7 8.7 13.1





#83
Chrysene
Concen: 39.759 ng
RT: 21.763 min Scan# 3190
Delta R.T. 0.012 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

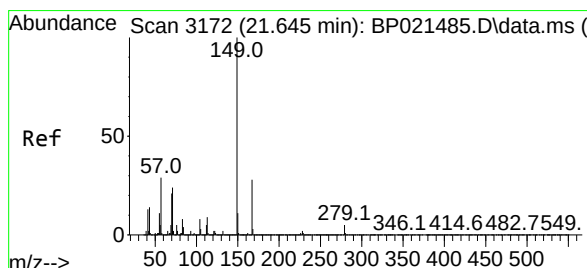
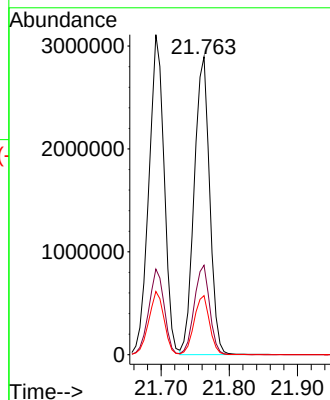
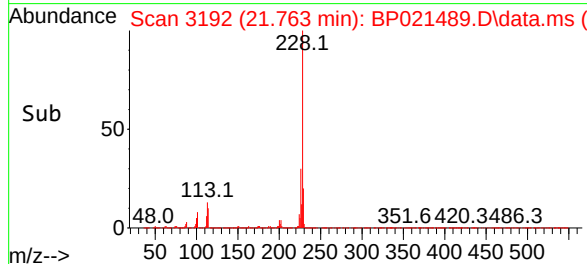
Instrument :
BNA_P
Client Sample Id :
ICVBP081324



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

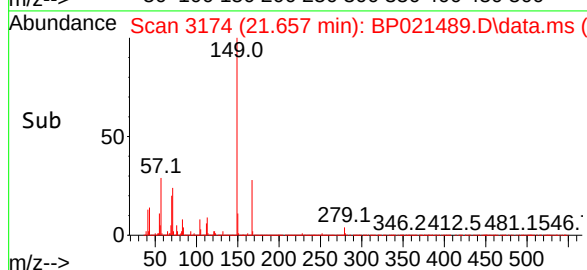
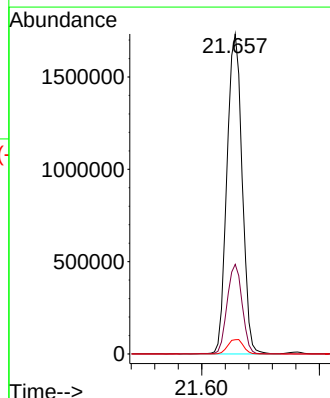
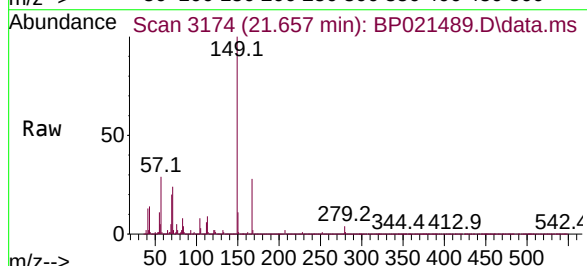
Manual Integrations
APPROVED

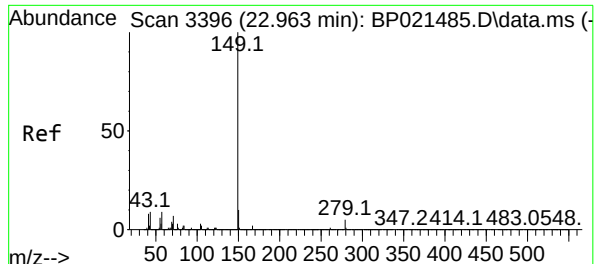
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#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

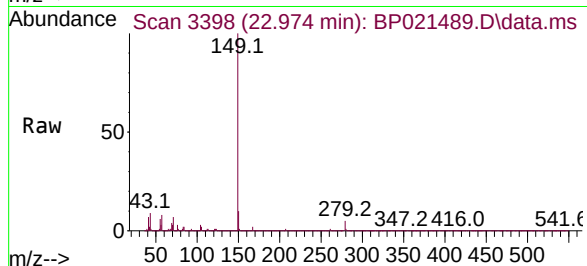
Tgt Ion: 149 Resp: 3111178
Ion Ratio Lower Upper
149 100
167 28.0 22.3 33.5
279 4.5 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 39.871 ng
RT: 22.974 min Scan# 31
Delta R.T. 0.011 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

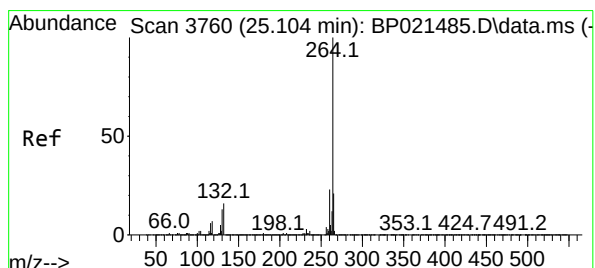
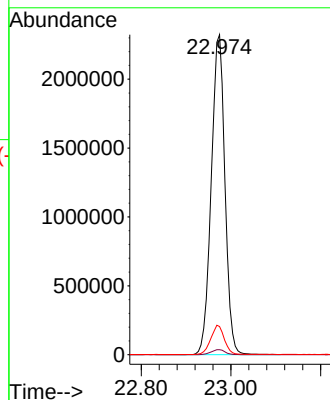
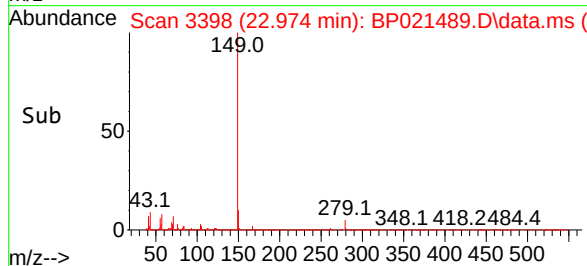
Instrument :
BNA_P
Client Sample Id :
ICVBP081324



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

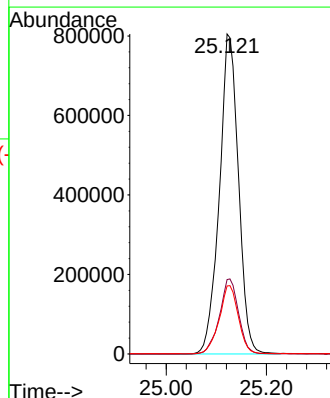
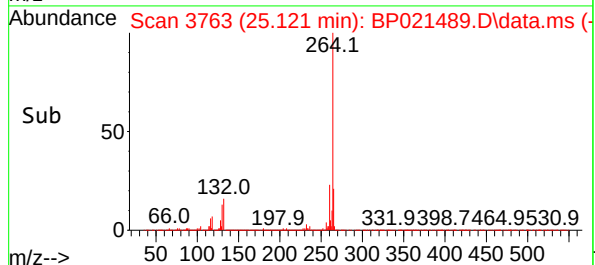
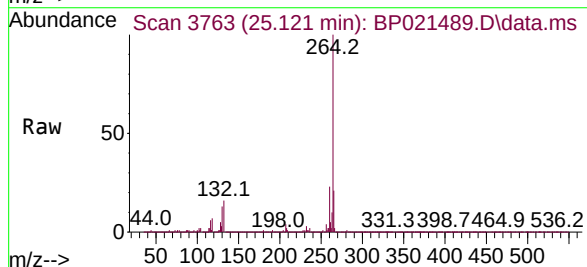
Manual Integrations
APPROVED

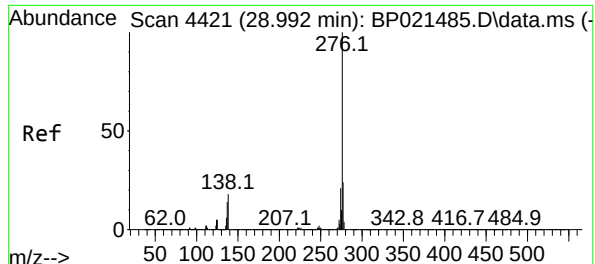
Reviewed By :Yogesh Patel 08/14/2024
Supervised By :mohammad ahmed 08/14/2024



#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

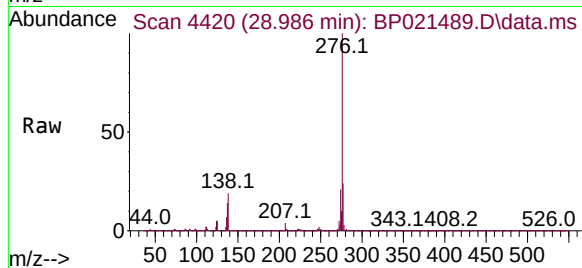
Tgt Ion:264 Resp: 2127555
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 21.3 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 41.105 ng m
RT: 28.986 min Scan# 4421
Delta R.T. -0.006 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

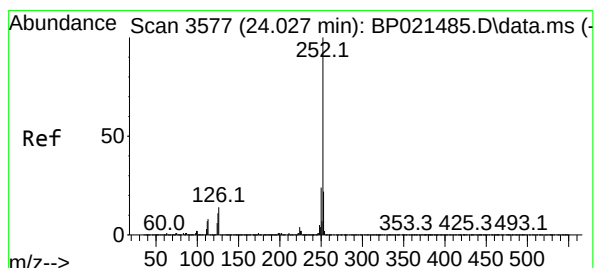
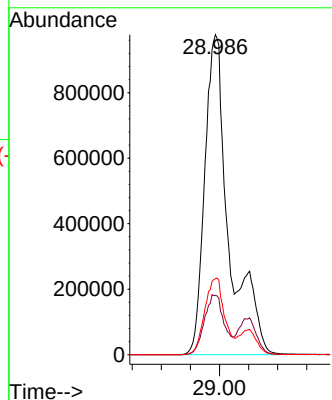
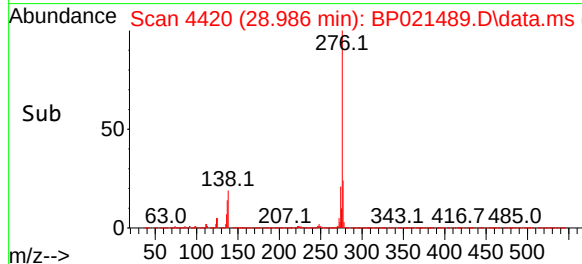
Instrument :
BNA_P
ClientSampleId :
ICVBP081324



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

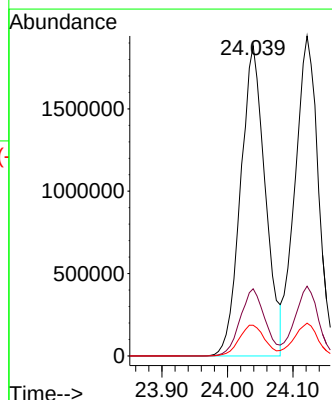
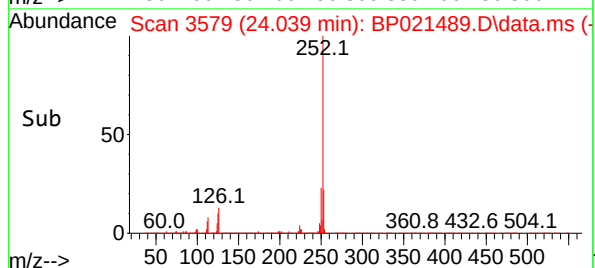
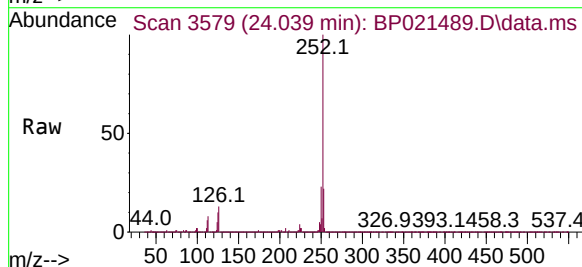
Manual Integrations
APPROVED

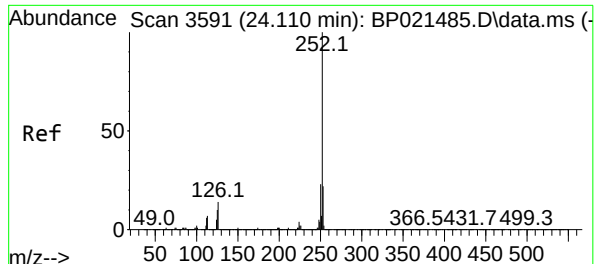
Reviewed By : Yogesh Patel 08/14/2024
Supervised By : mohammad ahmed 08/14/2024



#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# 3593

Delta R.T. 0.012 min

Lab File: BP021489.D

Acq: 13 Aug 2024 19:03

Instrument :

BNA_P

ClientSampleId :

ICVBP081324

Tgt Ion:252 Resp: 476594

Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

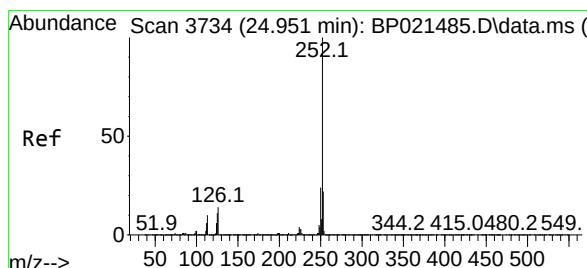
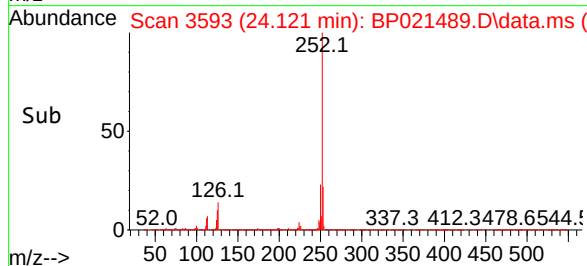
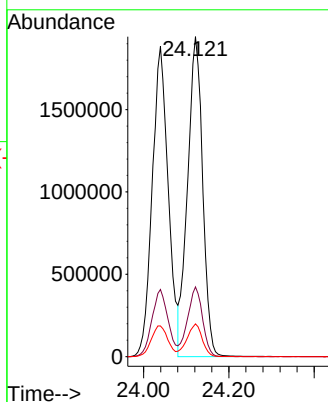
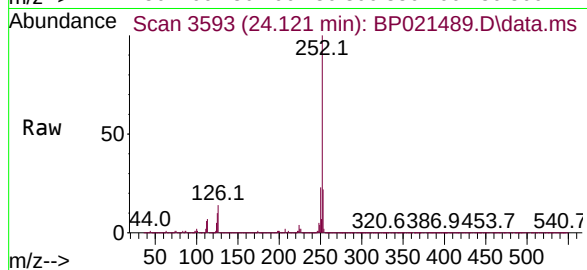
125 10.2 7.8 11.8

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

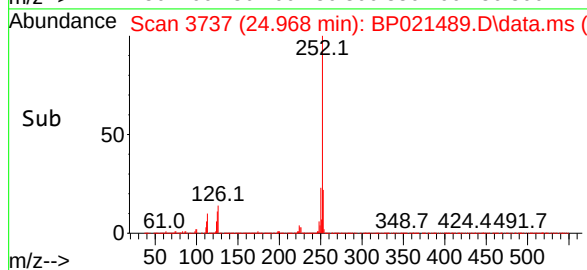
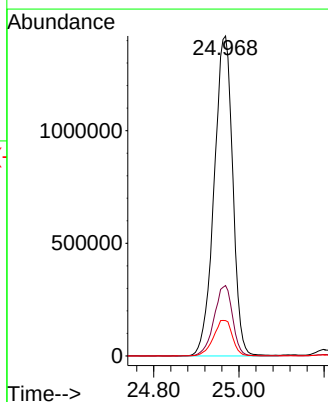
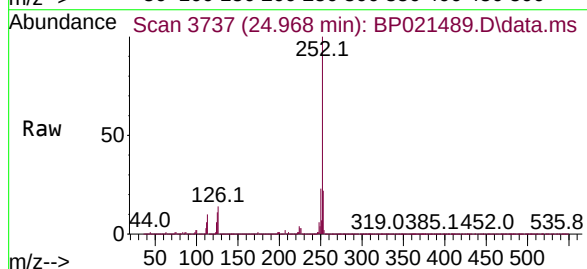
Tgt Ion:252 Resp: 4311183

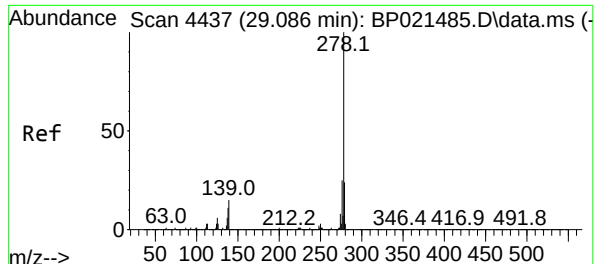
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

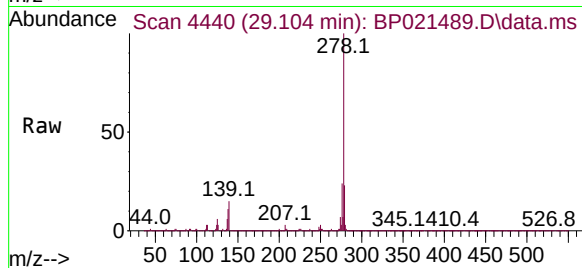
125 11.1 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 41.172 ng
RT: 29.104 min Scan# 4437
Delta R.T. 0.018 min
Lab File: BP021489.D
Acq: 13 Aug 2024 19:03

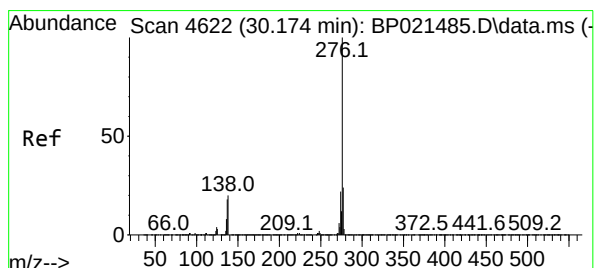
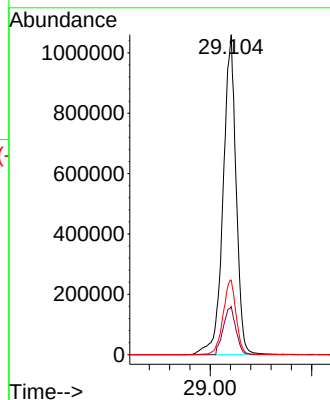
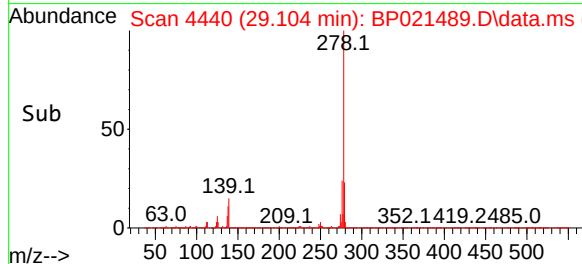
Instrument :
BNA_P
ClientSampleId :
ICVBP081324



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

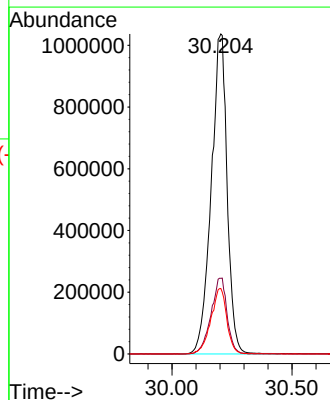
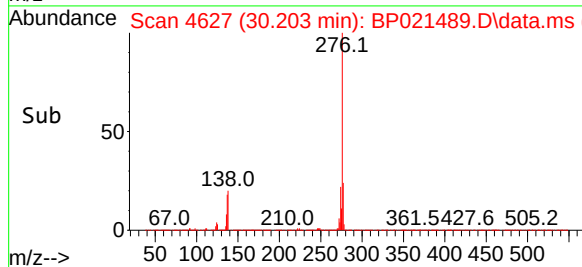
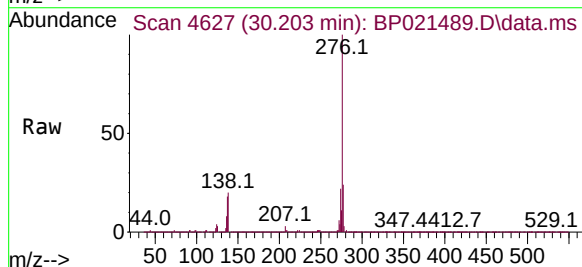
Manual Integrations
APPROVED

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



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)
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(#) = 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
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)
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	Benzydine	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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

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	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005
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.

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
 ClientSampleId :
 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

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

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024

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

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

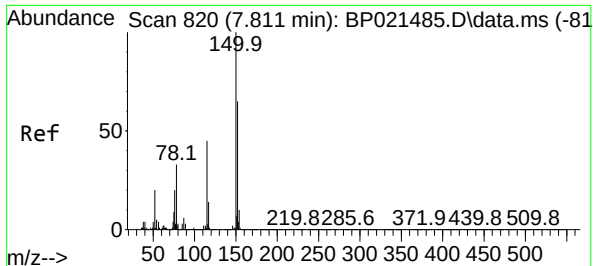
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

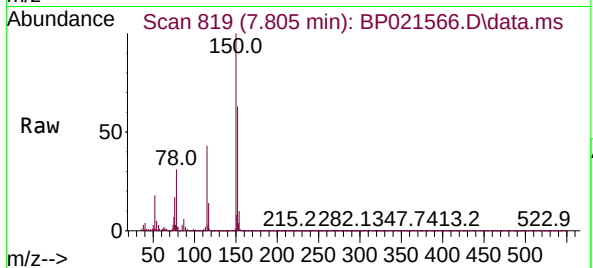
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024





#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

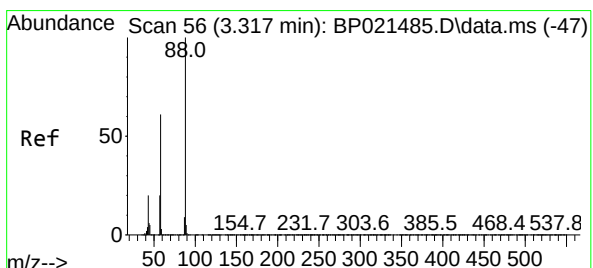
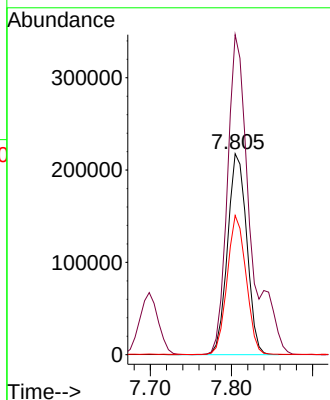
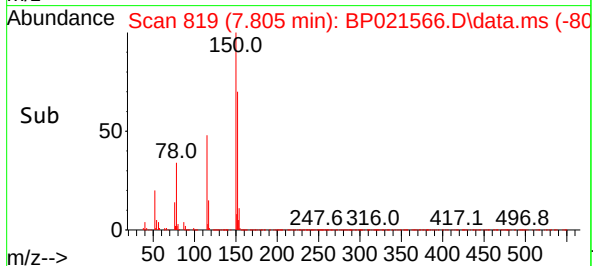
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion: 152 Resp: 357434
Ion Ratio Lower Upper
152 100
150 159.2 122.4 183.6
115 69.2 54.7 82.1

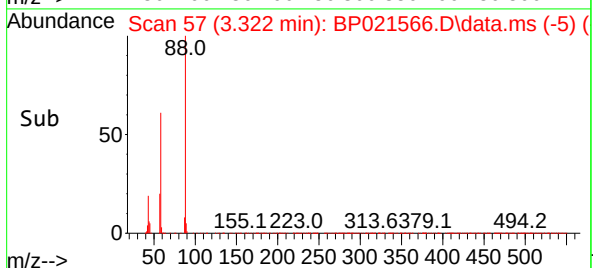
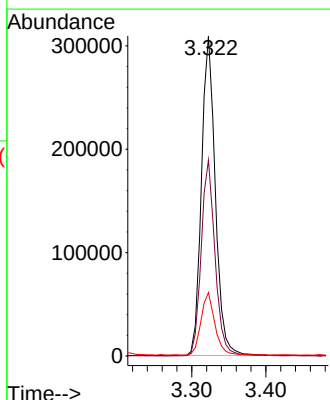
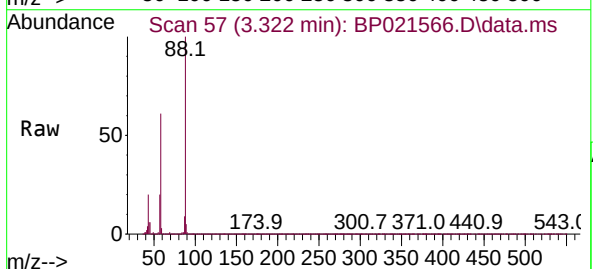
Manual Integrations
APPROVED

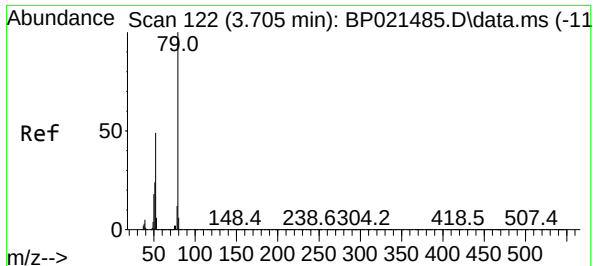
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





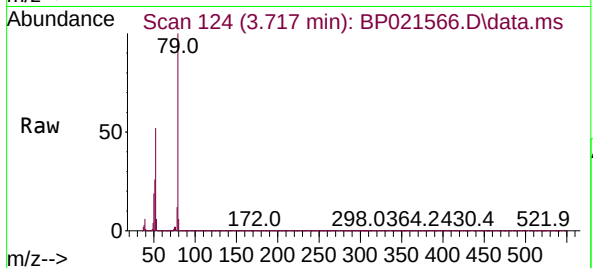
#3
Pyridine
Concen: 35.932 ng
RT: 3.717 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

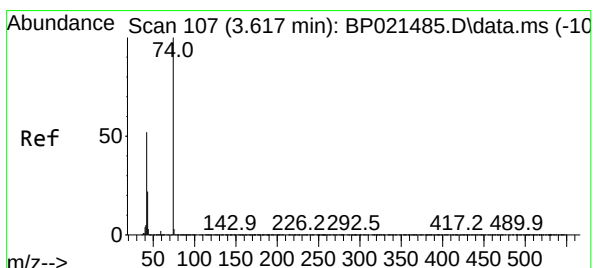
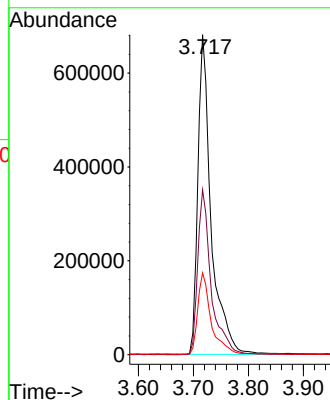
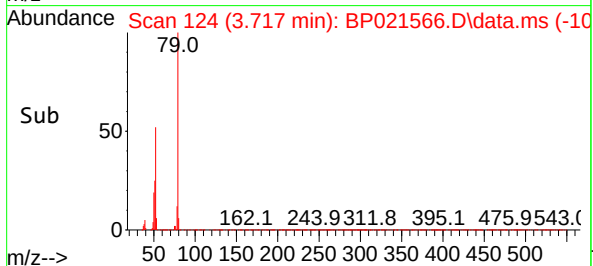
SSTDCCC040



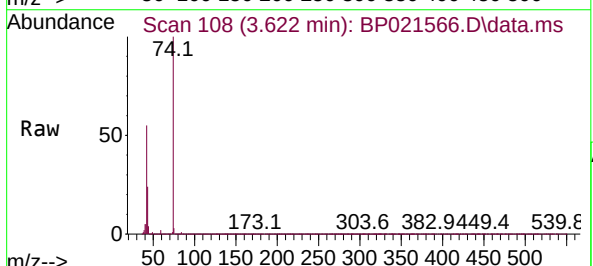
Tgt Ion: 79 Resp: 1144919
Ion Ratio Lower Upper
79 100
52 51.6 39.0 58.6
51 25.6 19.2 28.8

Manual Integrations
APPROVED

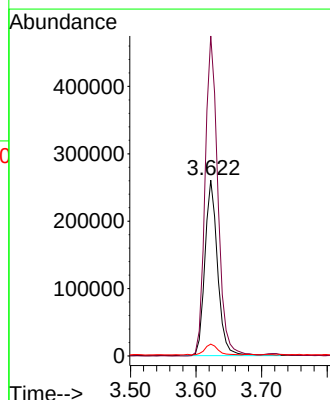
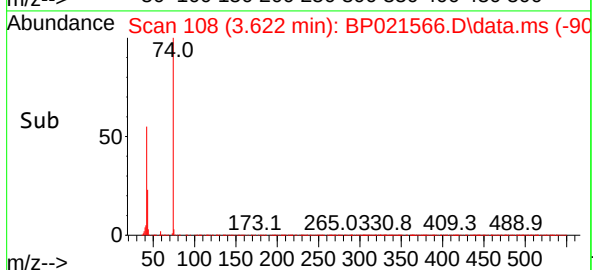
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

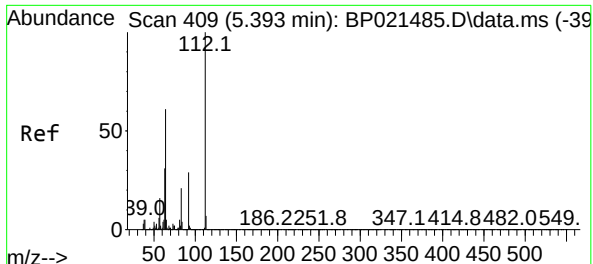


#4
n-Nitrosodimethylamine
Concen: 36.744 ng
RT: 3.622 min Scan# 108
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07



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# 411
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

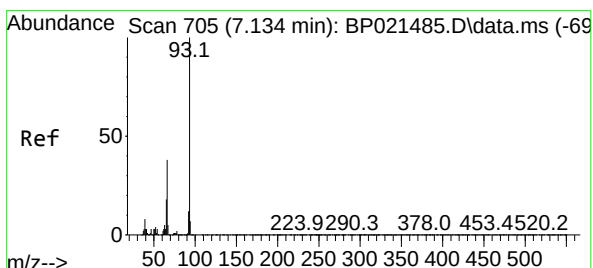
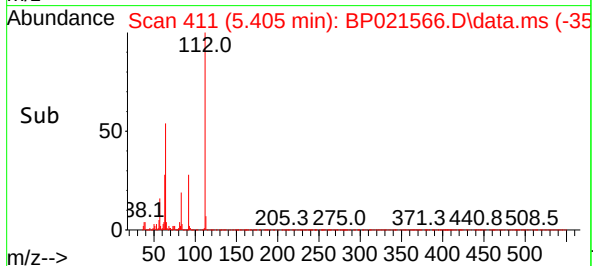
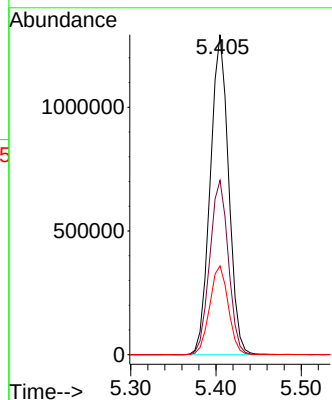
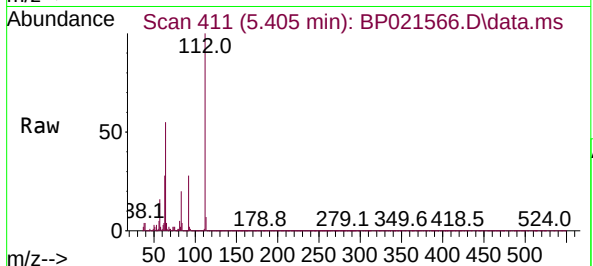
ClientSampleId :

SSTDCCC040

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

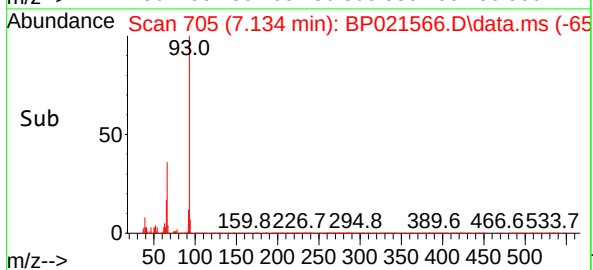
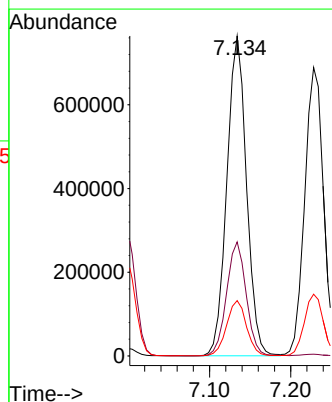
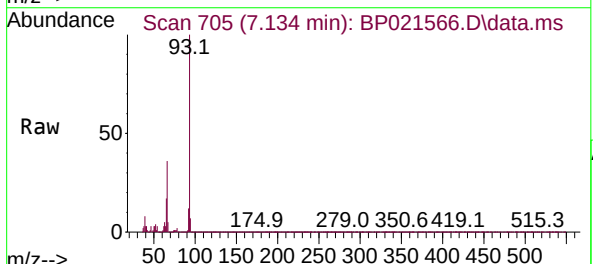
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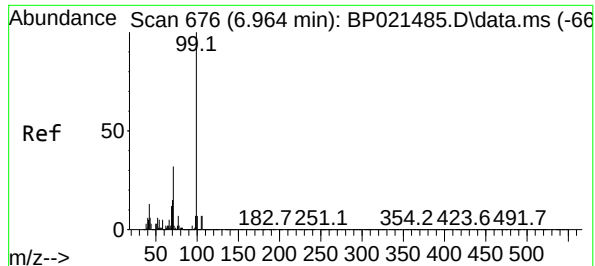
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 61

Delta R.T. 0.012 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 99 Resp: 2762029

Ion Ratio Lower Upper

99 100

42 12.3 10.2 15.4

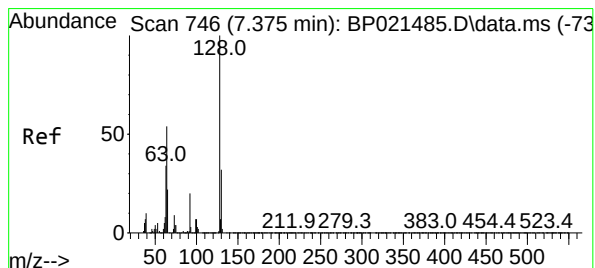
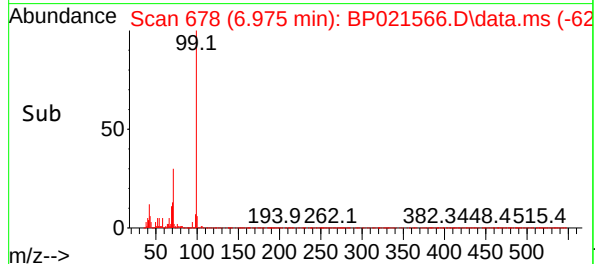
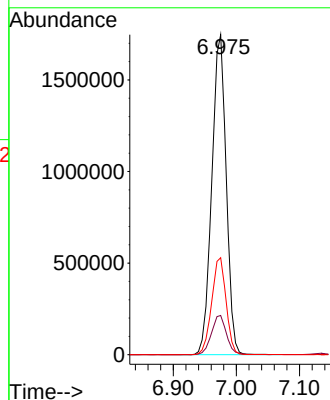
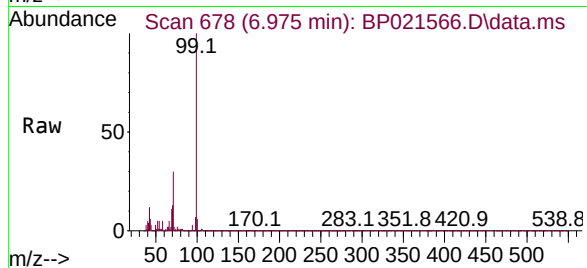
71 30.3 25.8 38.8

Manual Integrations

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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

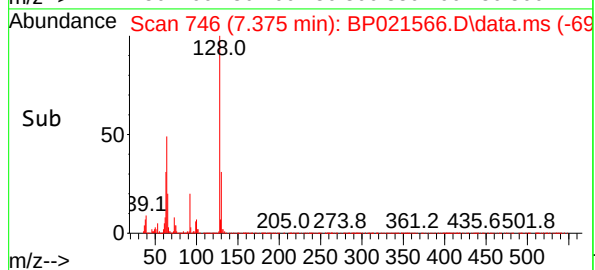
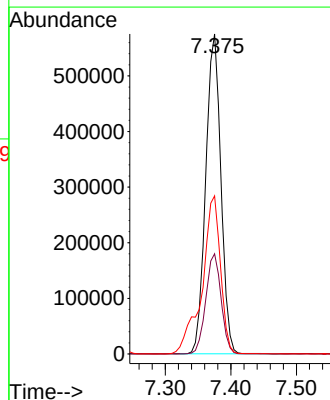
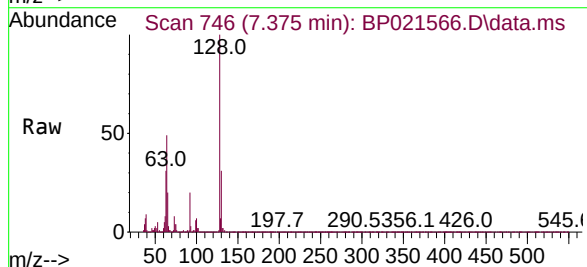
Tgt Ion:128 Resp: 925647

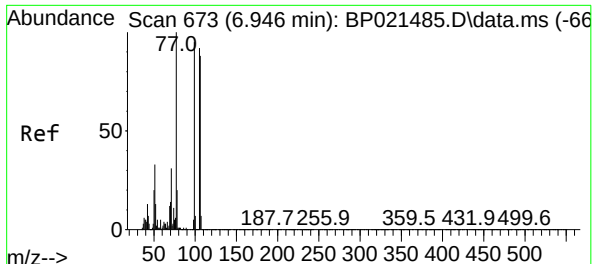
Ion Ratio Lower Upper

128 100

130 31.3 11.6 51.6

64 49.4 35.3 75.3





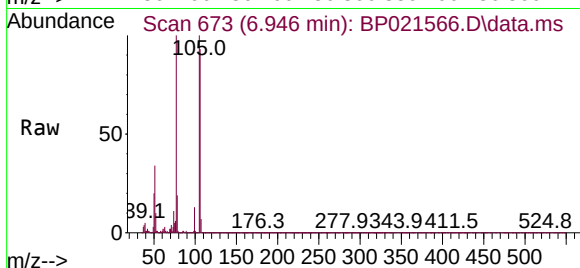
#9
Benzaldehyde
Concen: 43.178 ng m
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

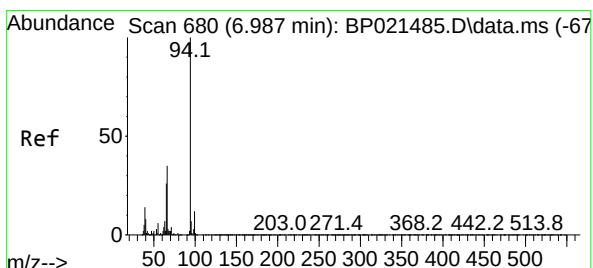
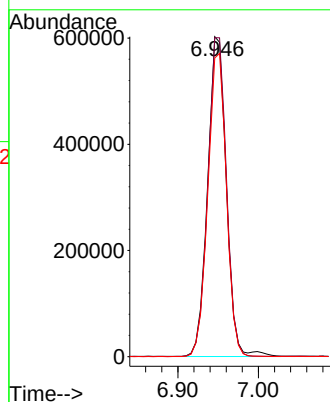
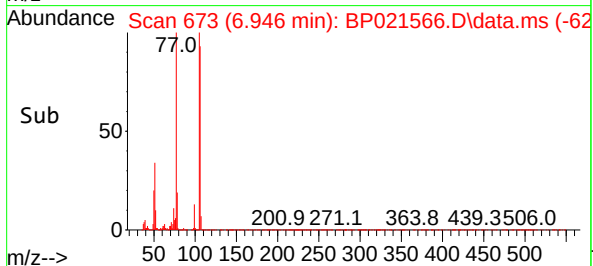


Tgt Ion: 77 Resp: 97080
Ion Ratio Lower Upper
77 100
105 99.7 72.1 112.1
106 93.3 67.9 107.9

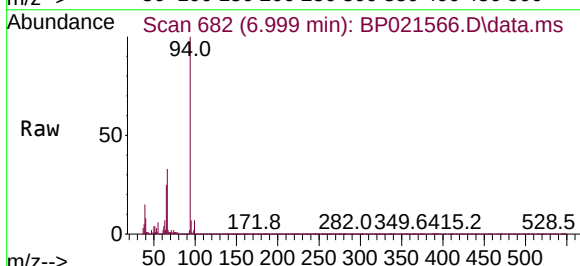
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Reviewed By :Yogesh Patel 08/21/2024

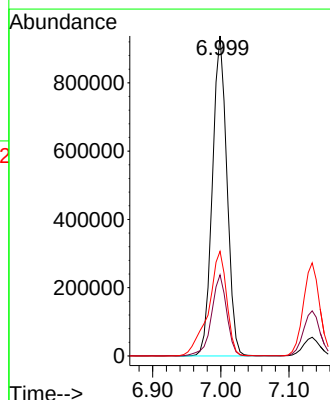
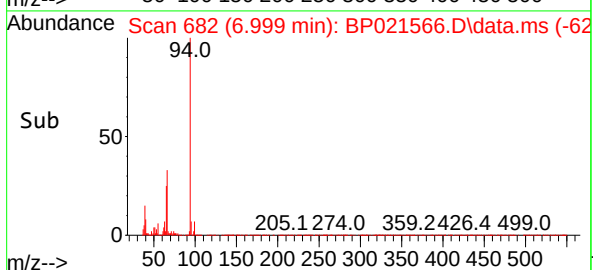
Supervised By :mohammad ahmed 08/22/2024

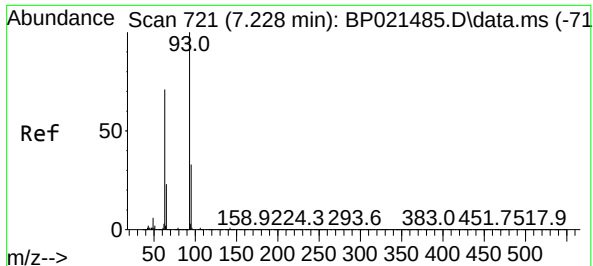


#10
Phenol
Concen: 38.270 ng
RT: 6.999 min Scan# 682
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07



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# 721

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 93 Resp: 110231

Ion Ratio Lower Upper

93 100

63 67.4 51.0 91.0

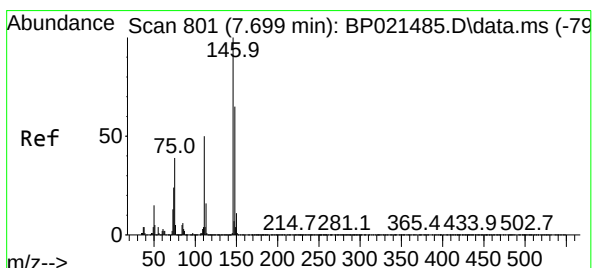
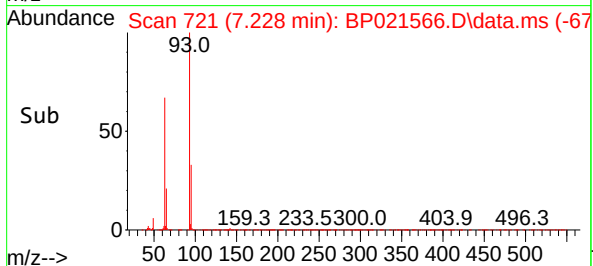
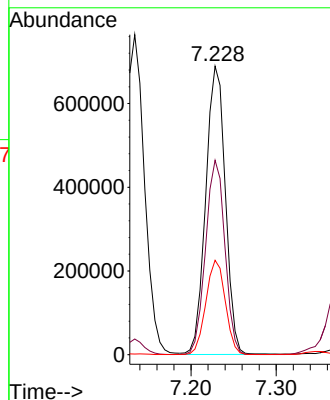
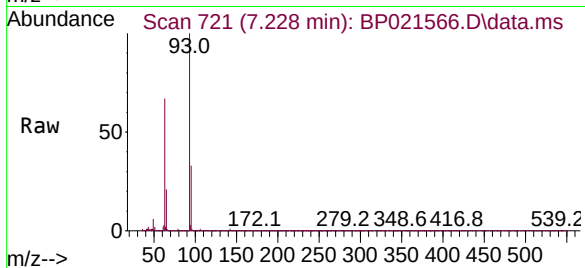
95 32.8 12.9 52.9

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

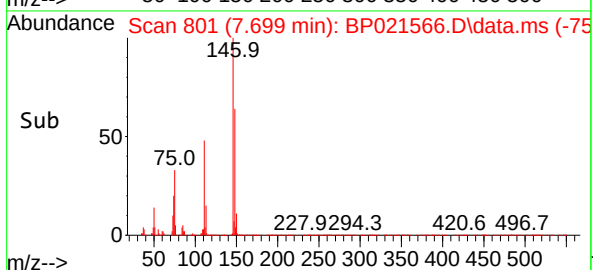
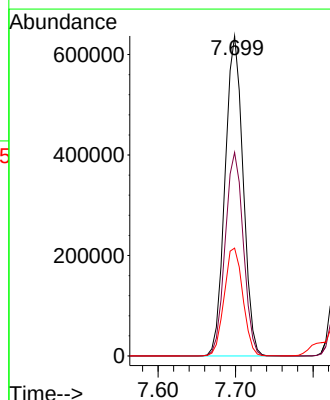
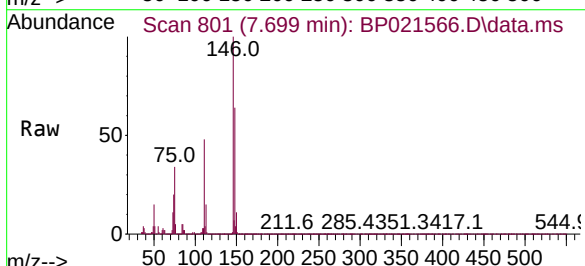
Tgt Ion:146 Resp: 1028196

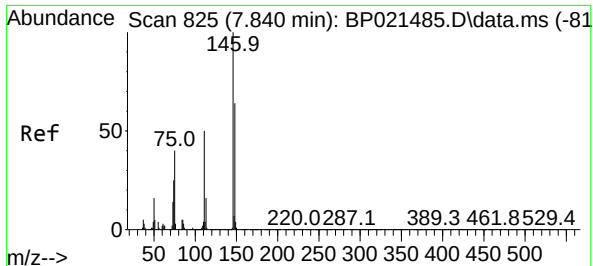
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 1041774

Ion Ratio Lower Upper

146 100

148 64.3 51.5 77.3

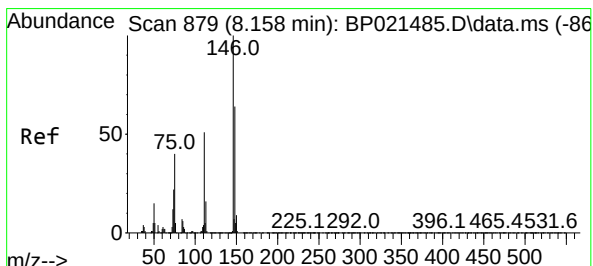
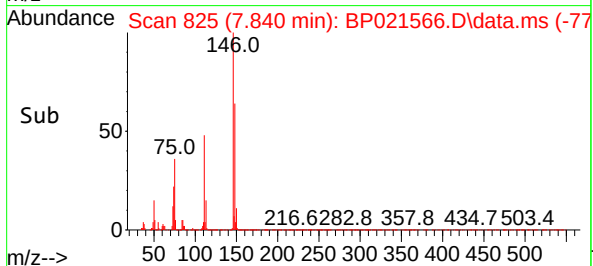
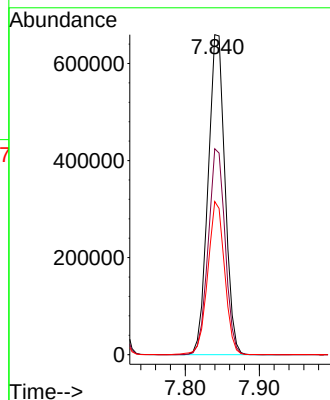
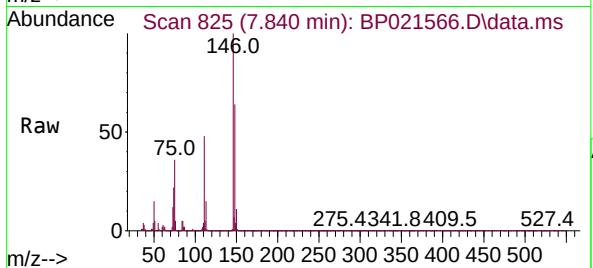
111 47.9 40.3 60.5

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: 38.497 ng

RT: 8.157 min Scan# 879

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

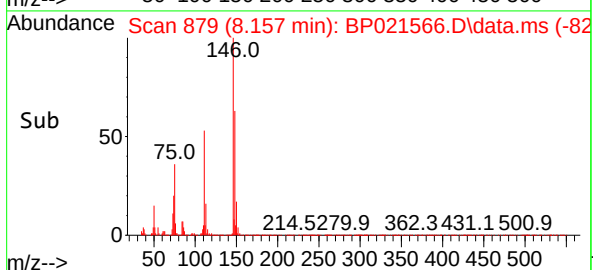
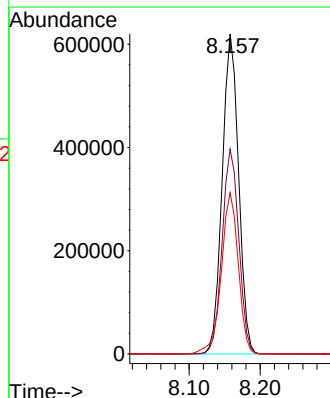
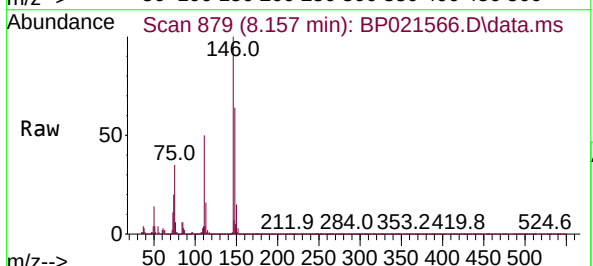
Tgt Ion:146 Resp: 989860

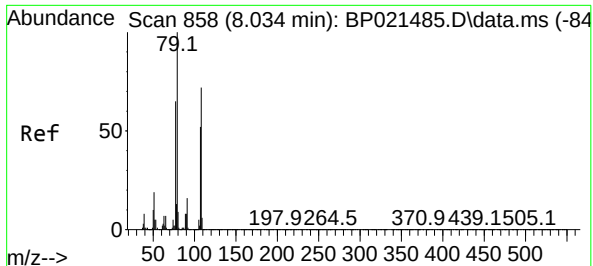
Ion Ratio Lower Upper

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

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 96357

Ion Ratio Lower Upper

79 100

108 77.6 57.9 86.9

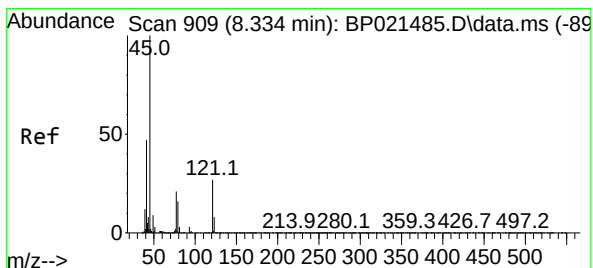
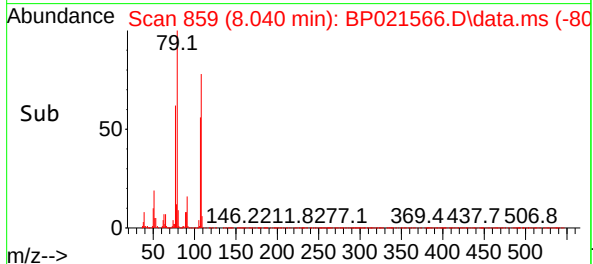
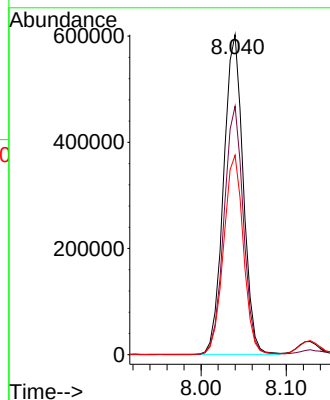
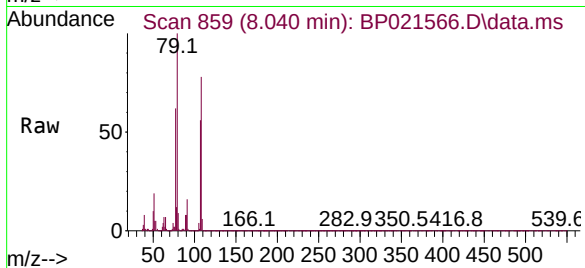
77 62.3 51.8 77.8

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: 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

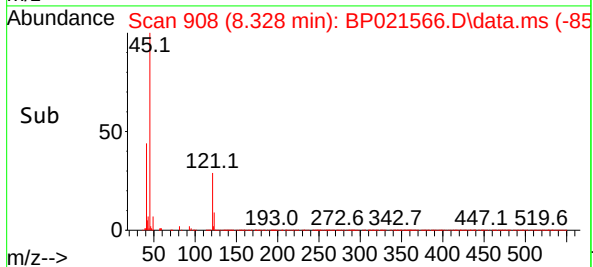
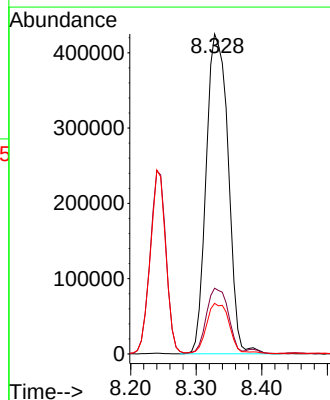
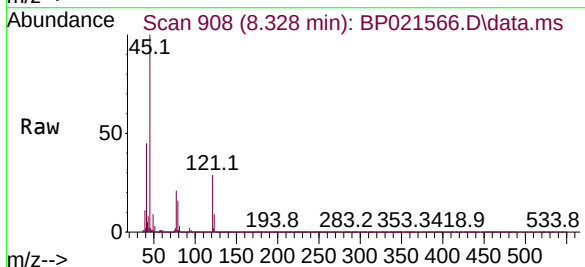
Tgt Ion: 45 Resp: 988701

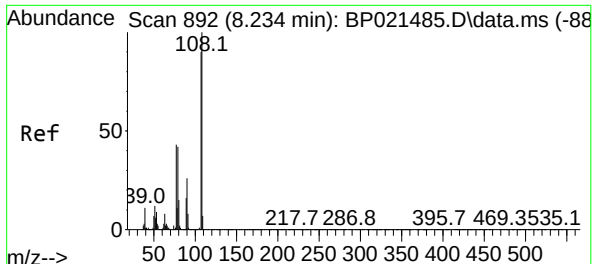
Ion Ratio Lower Upper

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# 89

Delta R.T. 0.012 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 909170

Ion Ratio Lower Upper

107 100

108 111.2 88.8 133.2

77 43.4 38.7 58.1

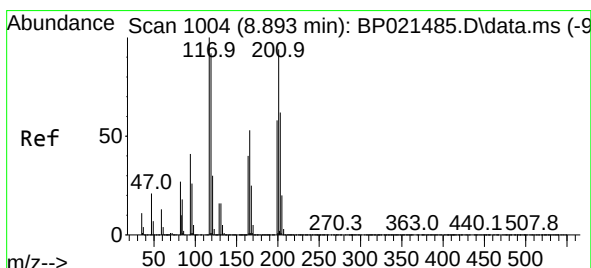
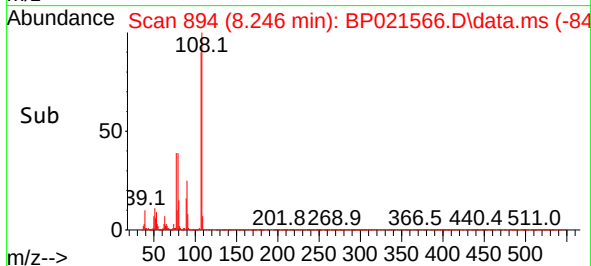
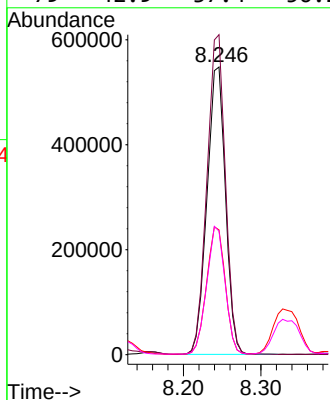
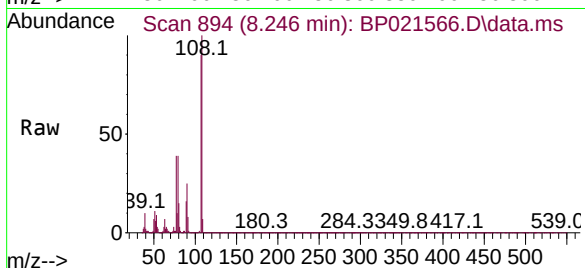
79 42.9 37.4 56.2

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

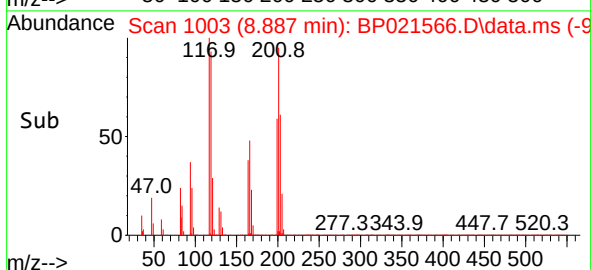
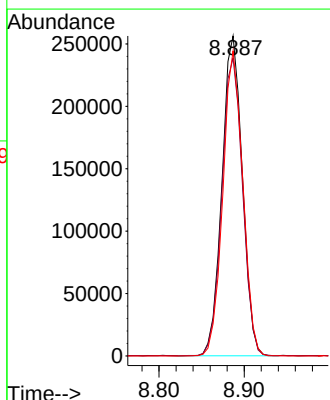
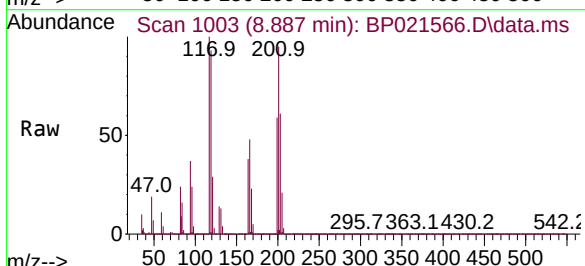
Tgt Ion:117 Resp: 426491

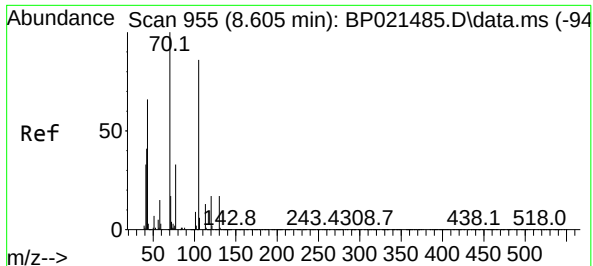
Ion Ratio Lower Upper

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# 91

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 792638

Ion Ratio Lower Upper

70 100

42 43.6 33.1 49.7

101 10.7 7.4 11.2

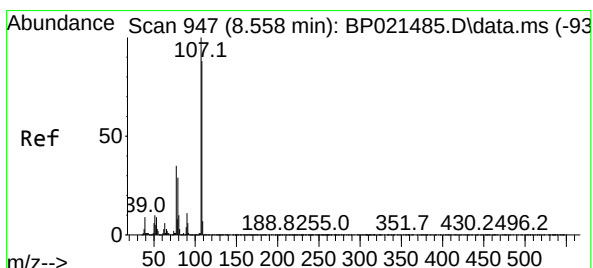
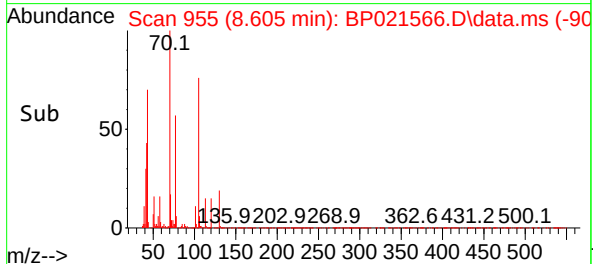
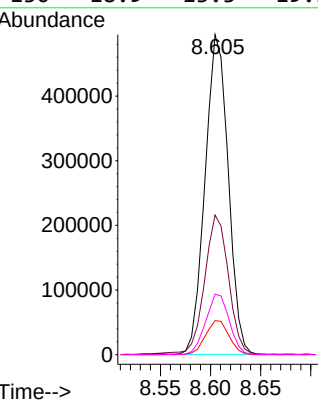
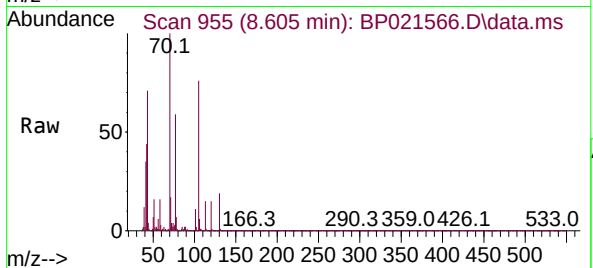
130 18.9 13.3 19.9

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: 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

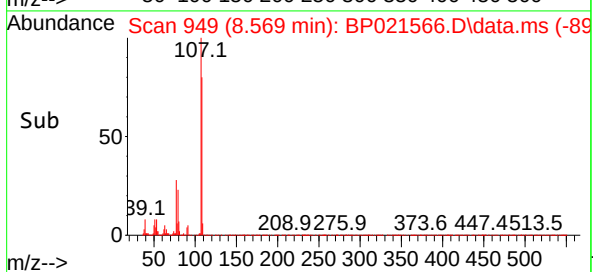
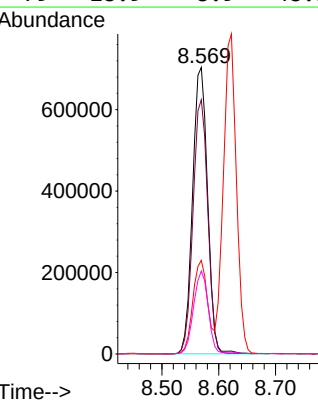
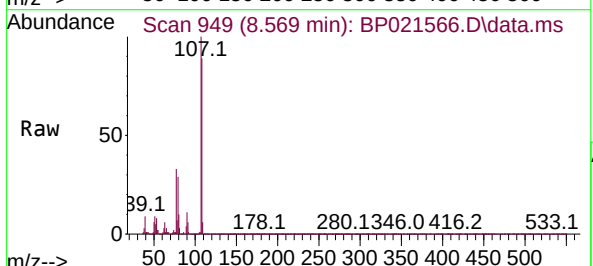
Ion Ratio Lower Upper

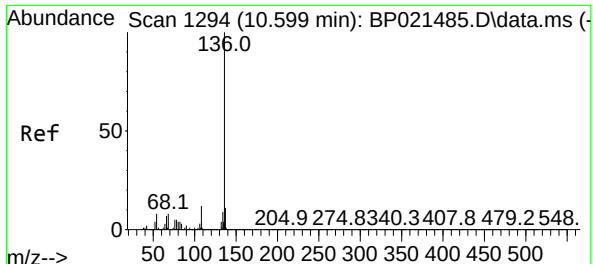
107 100

108 88.7 67.6 107.6

77 32.7 15.0 55.0

79 28.9 8.9 48.9





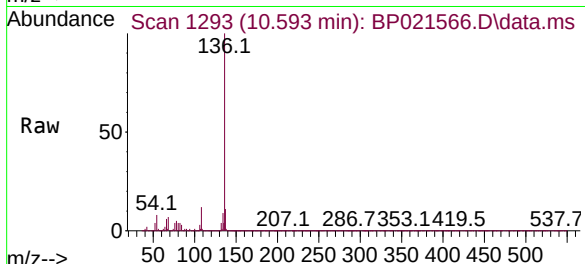
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

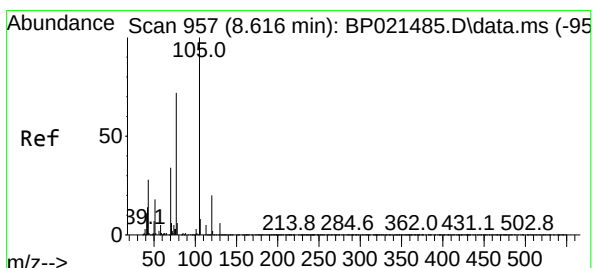
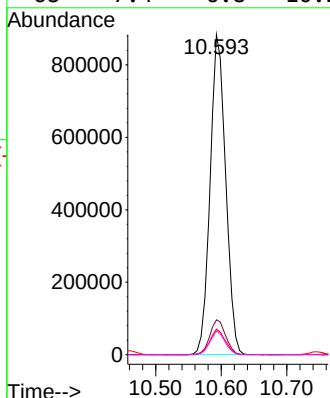
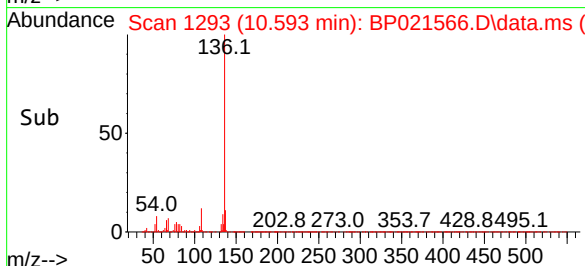


Tgt Ion:136 Resp: 1454000
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.0 6.3 9.5
68 7.4 6.8 10.2

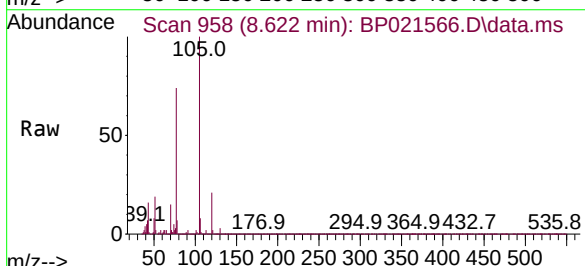
Manual Integrations

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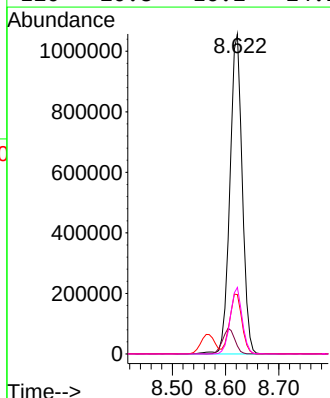
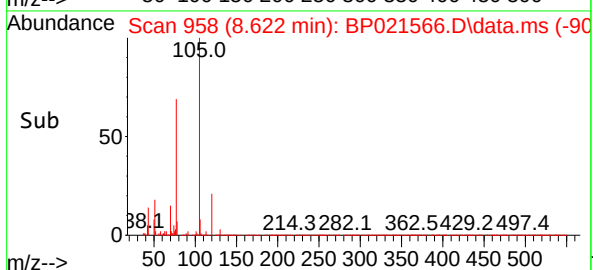
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

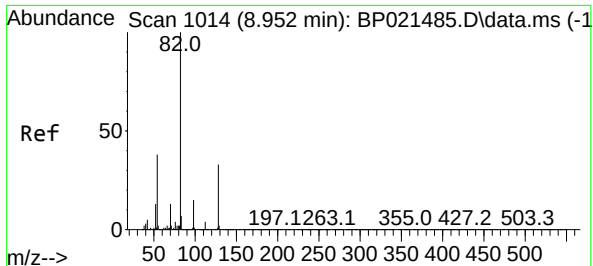


#22
Acetophenone
Concen: 37.996 ng
RT: 8.622 min Scan# 958
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07



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# 1014

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 2476910

Ion Ratio Lower Upper

82 100

128 38.0 26.5 39.7

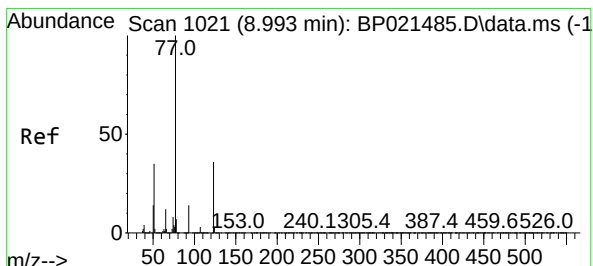
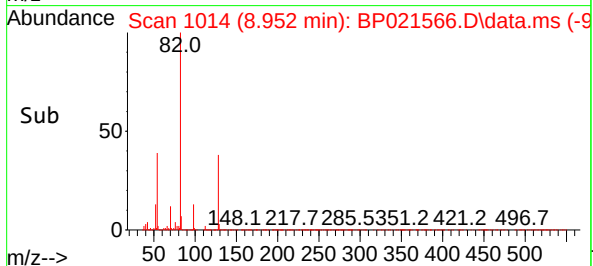
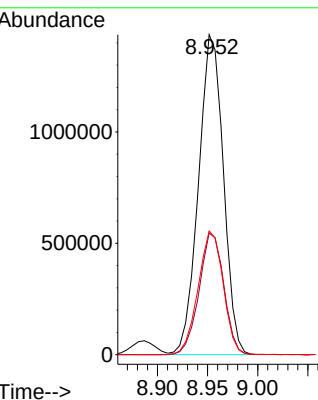
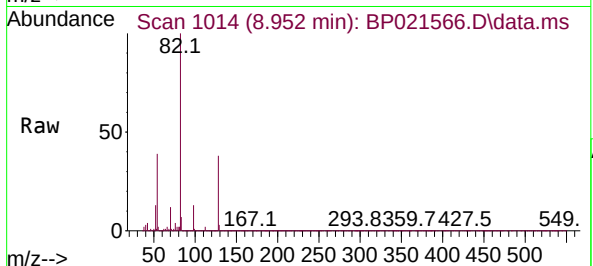
54 38.6 30.3 45.5

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

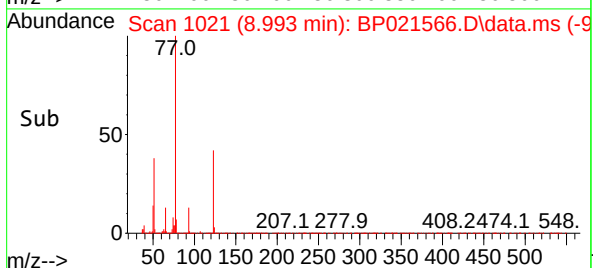
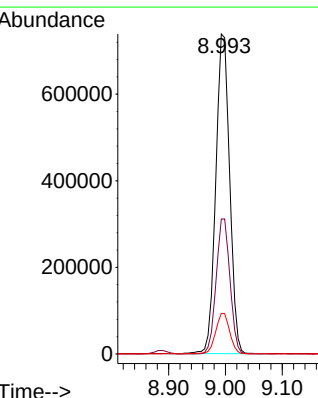
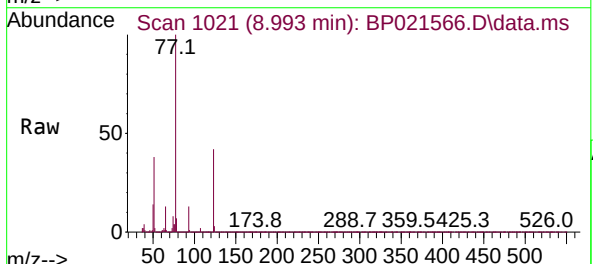
Tgt Ion: 77 Resp: 1256678

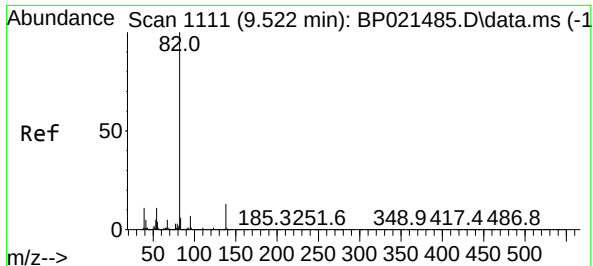
Ion Ratio Lower Upper

77 100

123 42.1 29.5 44.3

65 12.6 9.9 14.9





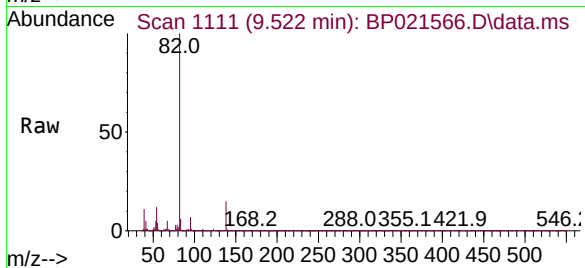
#25
Isophorone
Concen: 35.068 ng
RT: 9.522 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

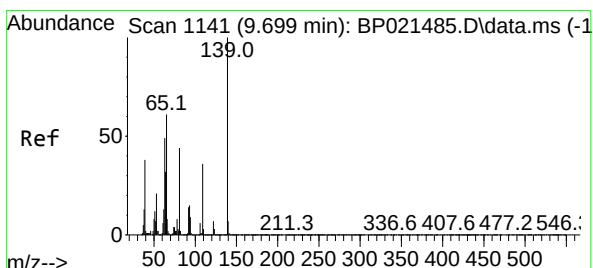
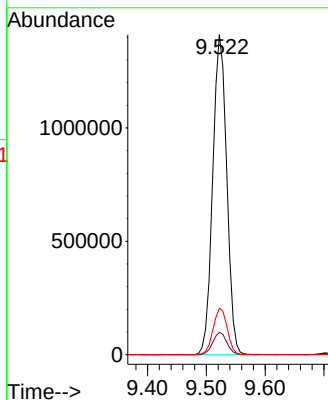
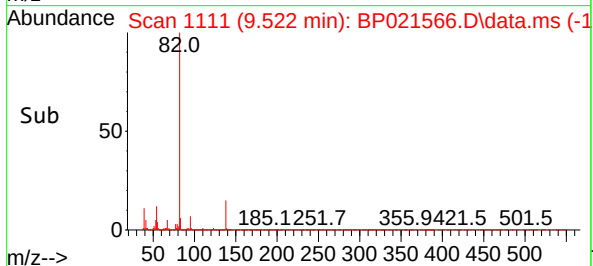
SSTDCCC040



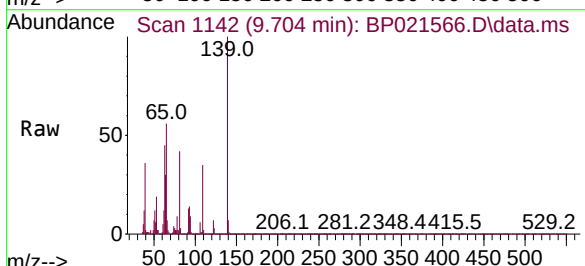
Tgt Ion: 82 Resp: 233378
Ion Ratio Lower Upper
82 100
95 7.0 5.4 8.2
138 14.5 10.6 16.0

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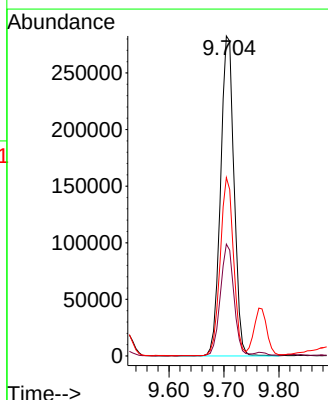
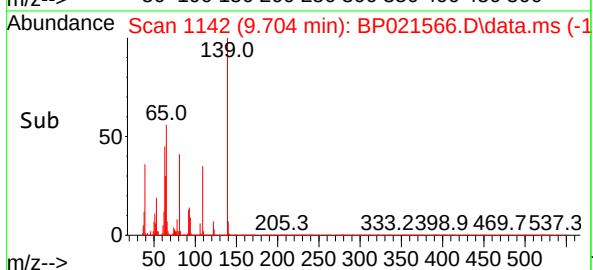
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

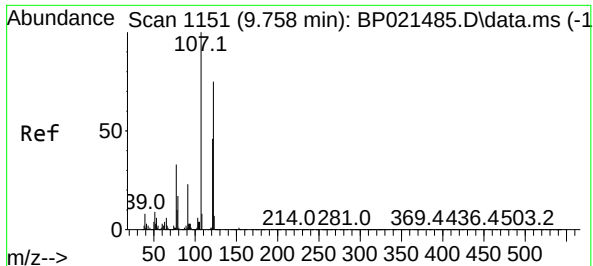


#26
2-Nitrophenol
Concen: 56.961 ng
RT: 9.704 min Scan# 1142
Delta R.T. 0.005 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07



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# 1151

Delta R.T. 0.012 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 666408

Ion Ratio Lower Upper

122 100

107 125.8 106.2 159.4

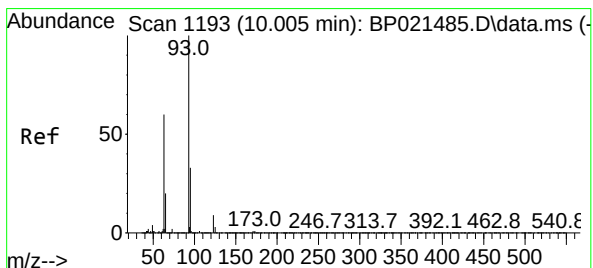
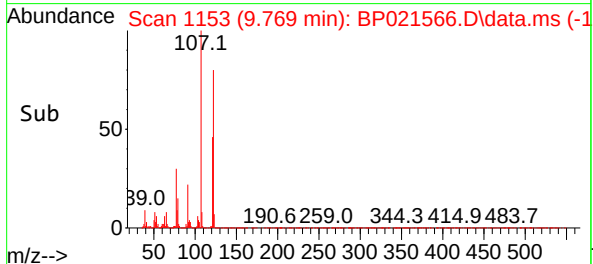
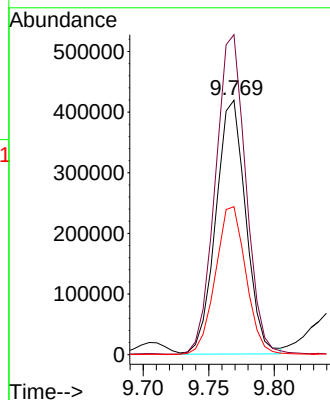
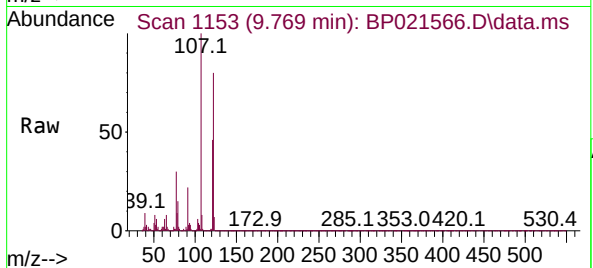
121 58.2 48.8 73.2

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

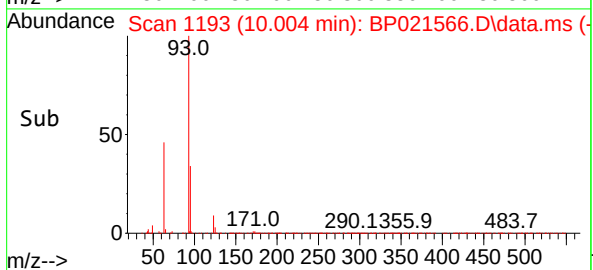
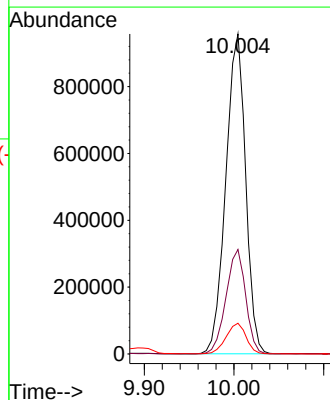
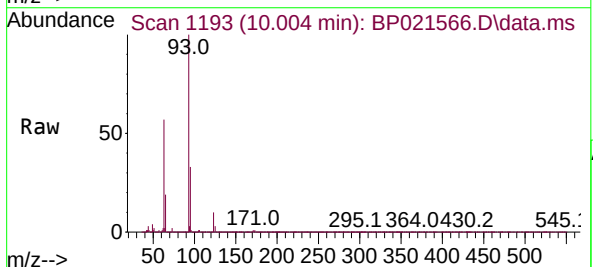
Tgt Ion: 93 Resp: 1468190

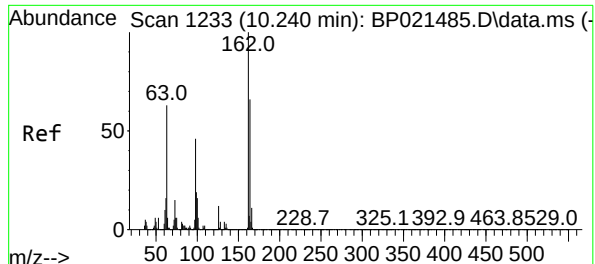
Ion Ratio Lower Upper

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# 1233

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:162 Resp: 872962

Ion Ratio Lower Upper

162 100

164 64.4 45.9 85.9

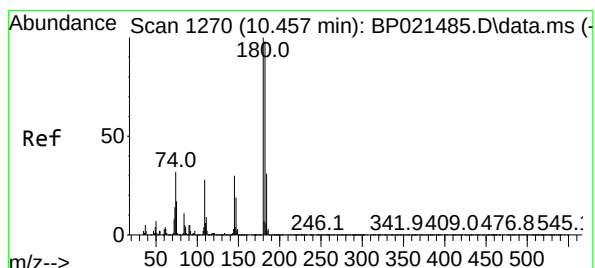
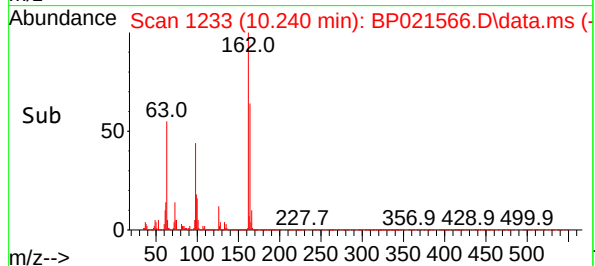
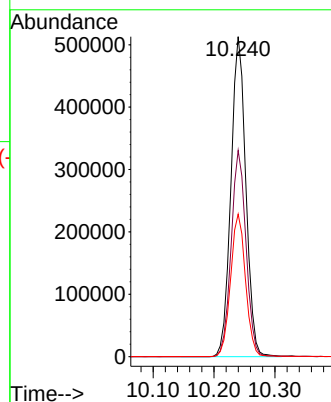
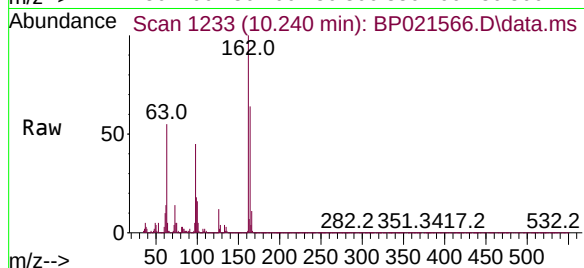
98 44.6 26.3 66.3

Manual Integrations

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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

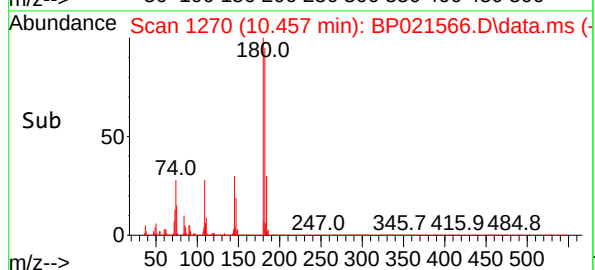
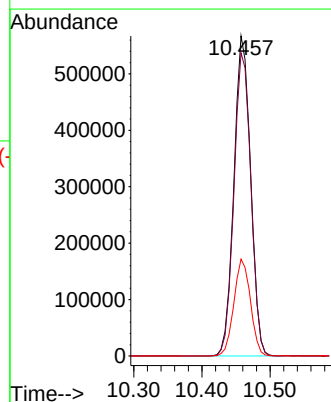
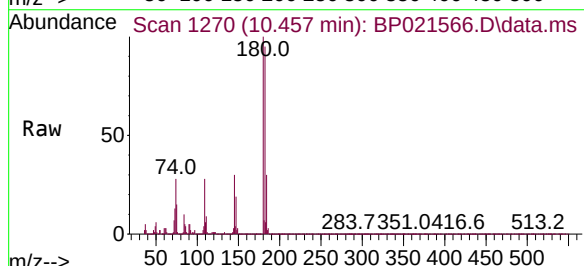
Tgt Ion:180 Resp: 966653

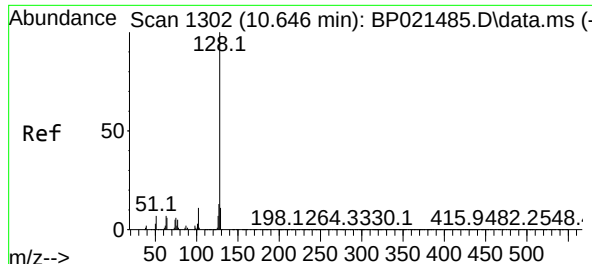
Ion Ratio Lower Upper

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# 1175

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:128 Resp: 2995089

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

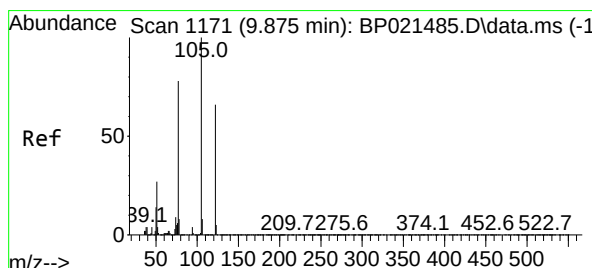
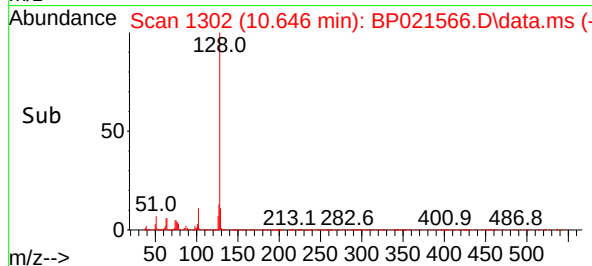
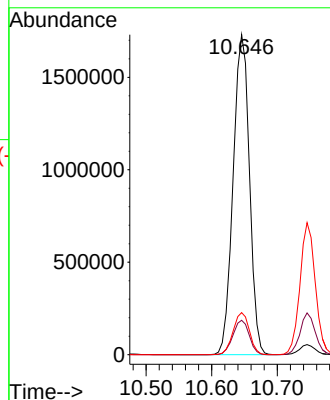
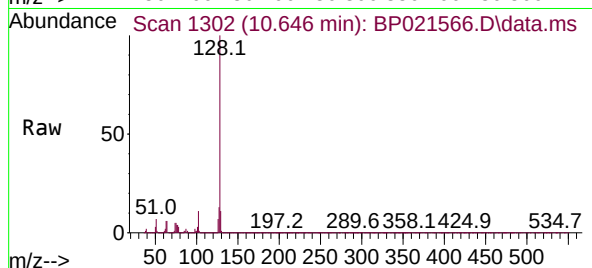
127 13.1 10.6 15.8

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

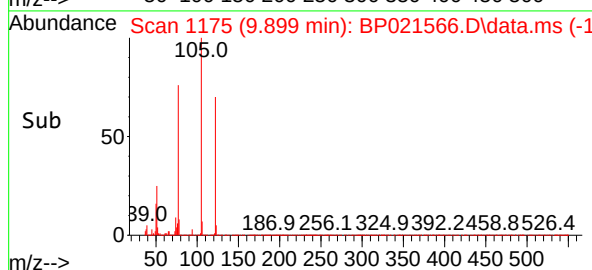
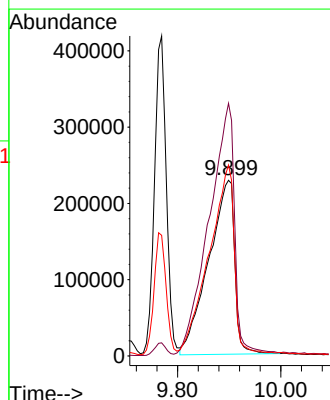
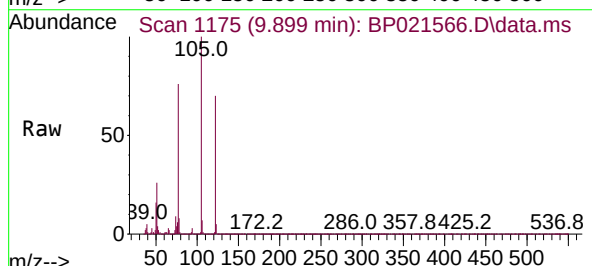
Tgt Ion:122 Resp: 796276

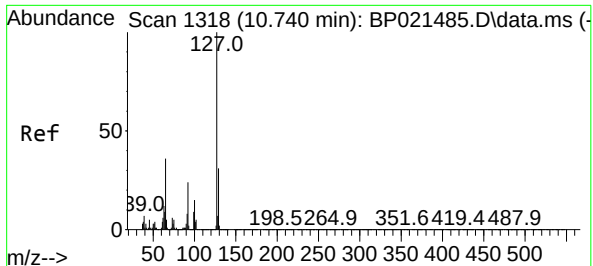
Ion Ratio Lower Upper

122 100

105 143.8 124.6 164.6

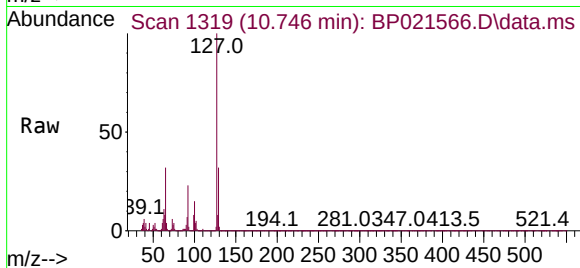
77 108.7 96.2 136.2





#33
4-Chloroaniline
Concen: 40.535 ng
RT: 10.746 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

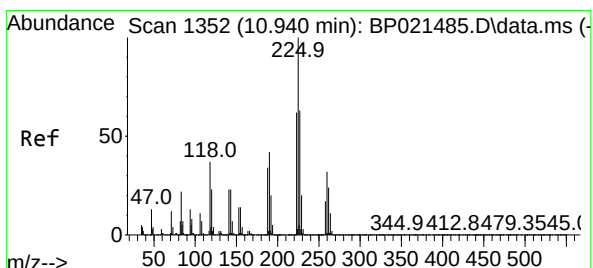
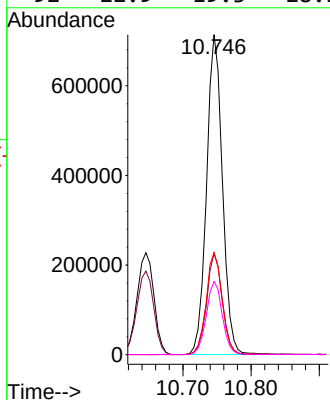
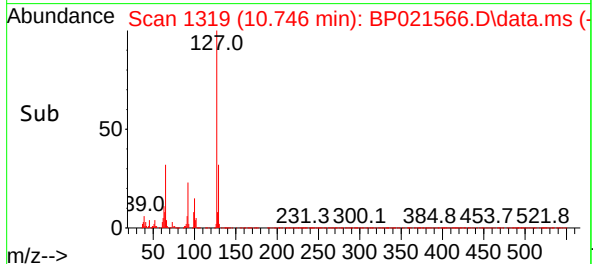
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



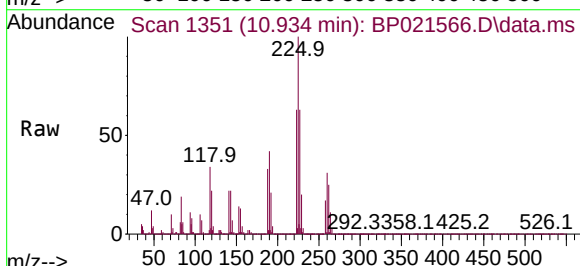
Tgt Ion:127 Resp: 115654
Ion Ratio Lower Upper
127 100
129 31.7 24.5 36.7
65 31.9 28.9 43.3
92 22.9 19.3 28.9

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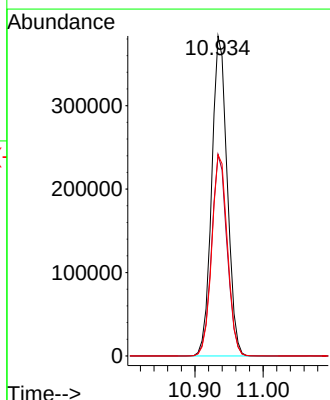
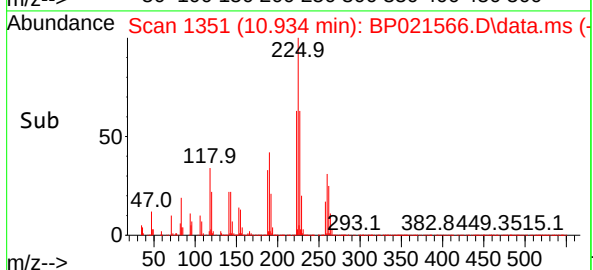
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

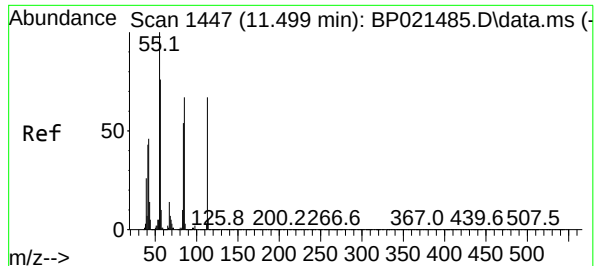


#34
Hexachlorobutadiene
Concen: 38.600 ng
RT: 10.934 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07



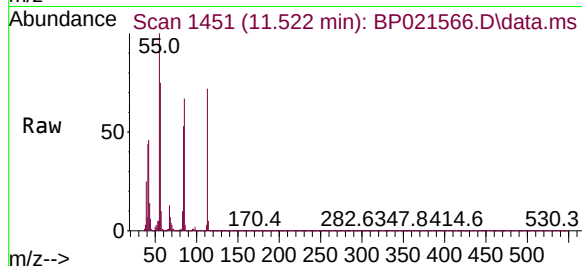
Tgt Ion:225 Resp: 604655
Ion Ratio Lower Upper
225 100
223 63.0 49.6 74.4
227 62.9 50.1 75.1





#35
Caprolactam
Concen: 46.800 ng
RT: 11.522 min Scan# 1447
Delta R.T. 0.023 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

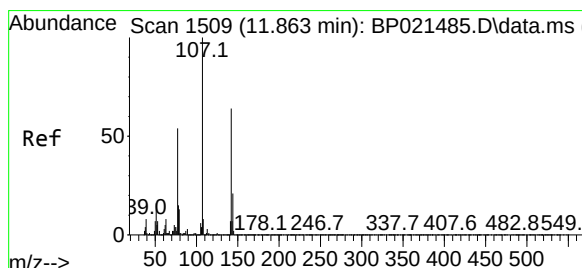
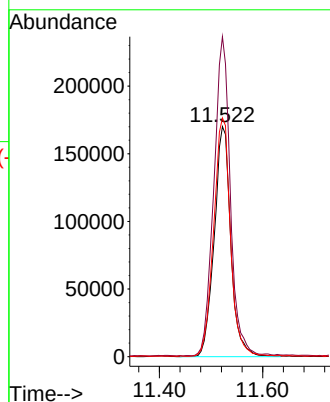
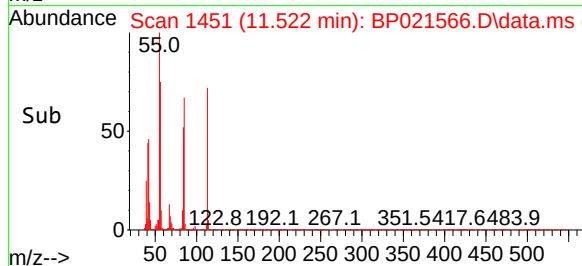
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



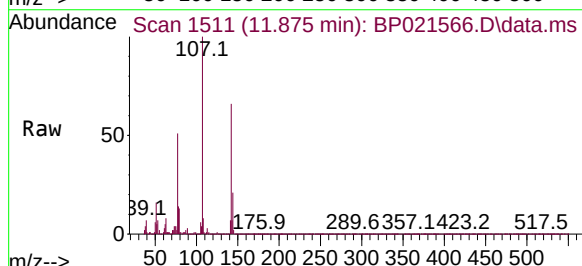
Tgt Ion:113 Resp: 37801
Ion Ratio Lower Upper
113 100
55 139.1 130.6 170.6
56 103.8 94.6 134.6

Manual Integrations
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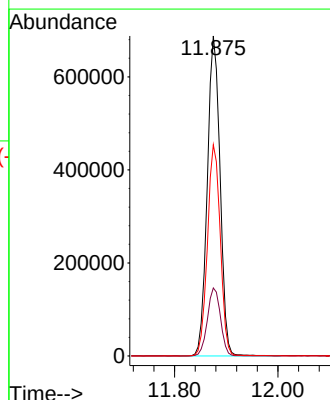
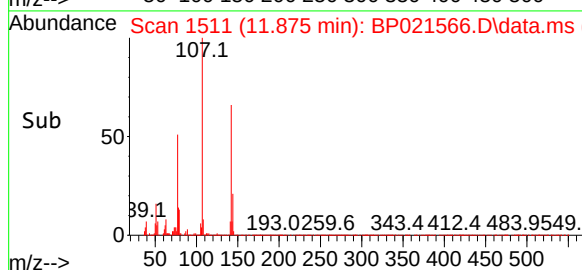
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

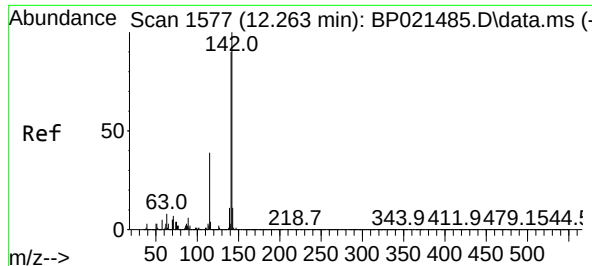


#36
4-Chloro-3-methylphenol
Concen: 43.882 ng
RT: 11.875 min Scan# 1511
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07



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





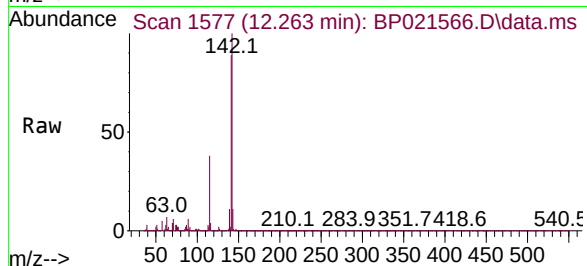
#37
2-Methylnaphthalene
Concen: 38.859 ng
RT: 12.263 min Scan# 11
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040



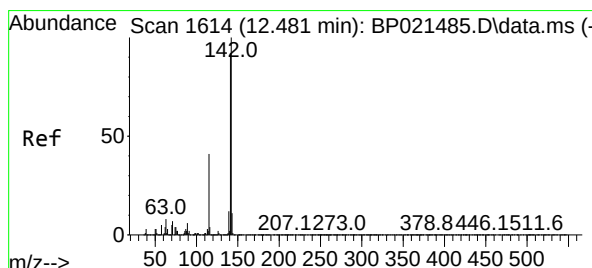
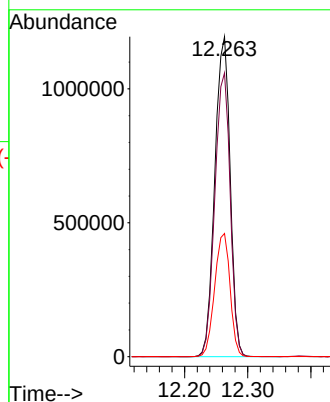
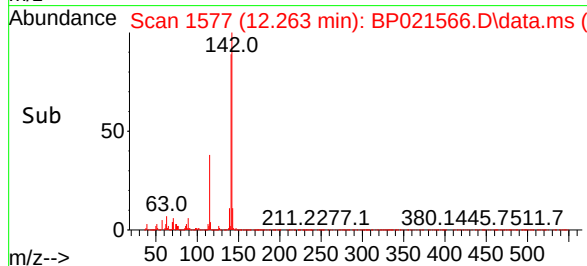
Tgt Ion:142 Resp: 201446
Ion Ratio Lower Upper
142 100
141 88.6 71.7 107.5
115 38.5 31.4 47.2

Manual Integrations

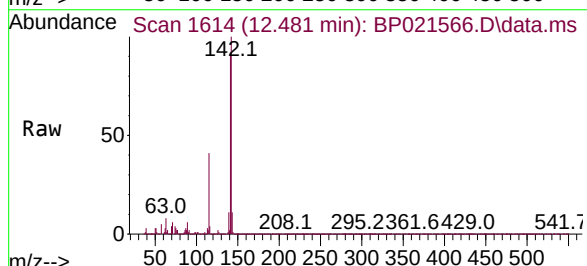
APPROVED

Reviewed By :Yogesh Patel 08/21/2024

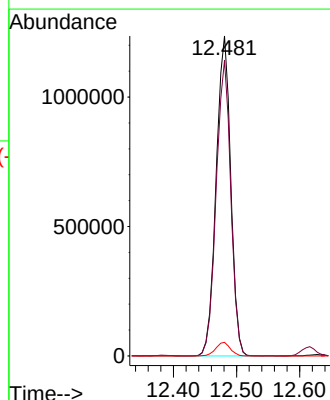
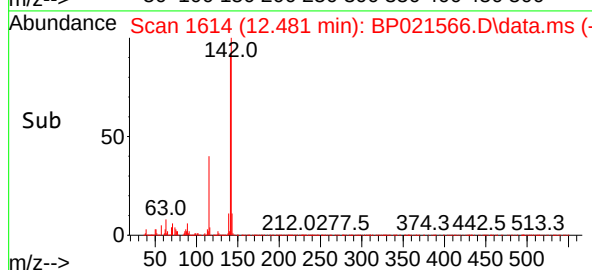
Supervised By :mohammad ahmed 08/22/2024

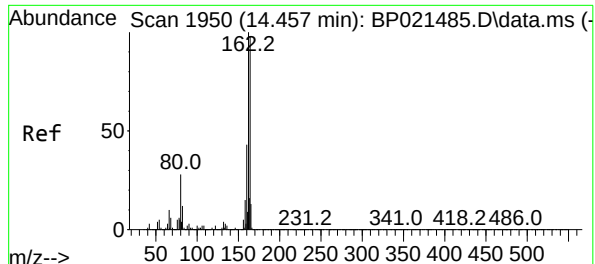


#38
1-Methylnaphthalene
Concen: 38.775 ng
RT: 12.481 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07



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# 1950

Delta R.T. -0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

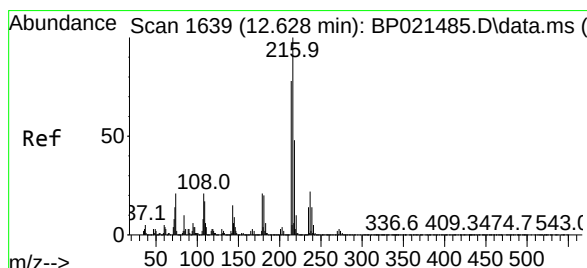
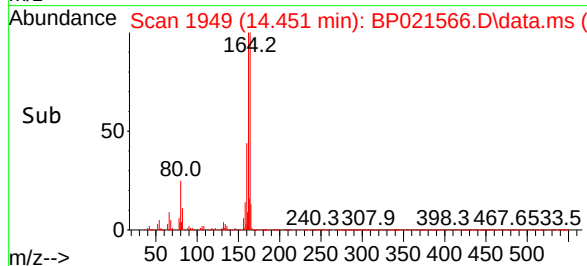
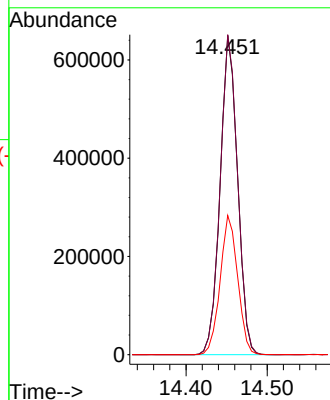
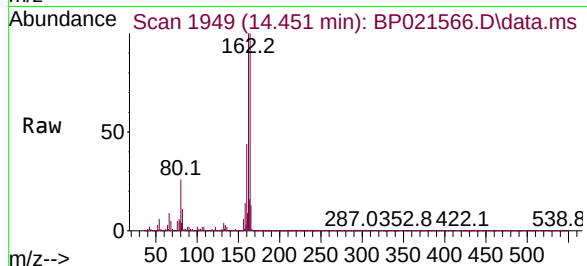
Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

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

Manual Integrations
APPROVEDReviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.147 ng

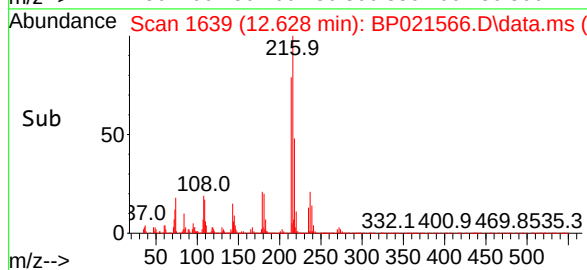
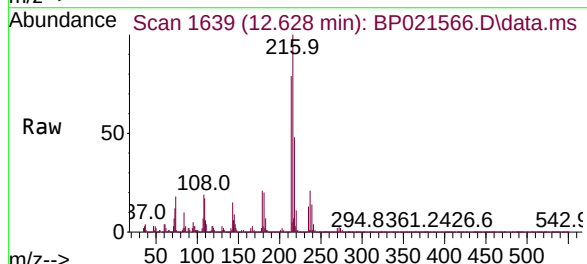
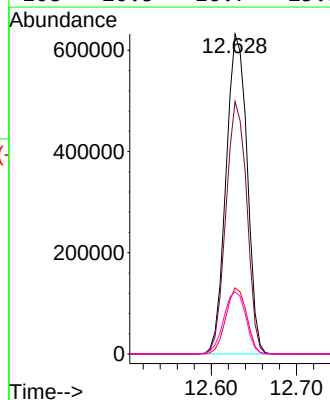
RT: 12.628 min Scan# 1639

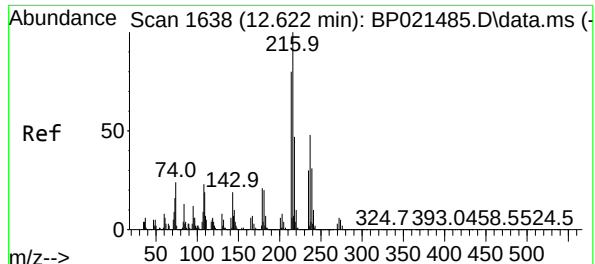
Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

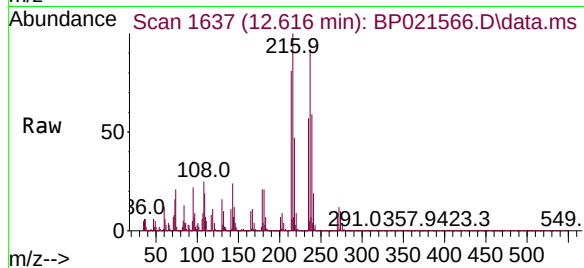
Tgt Ion:	216	Resp:	1085575
Ion	Ratio	Lower	Upper
216	100		
214	78.1	62.5	93.7
179	20.3	16.4	24.6
108	20.5	16.7	25.1





#41
Hexachlorocyclopentadiene
Concen: 50.596 ng
RT: 12.616 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

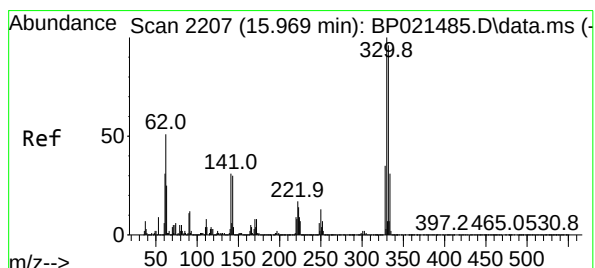
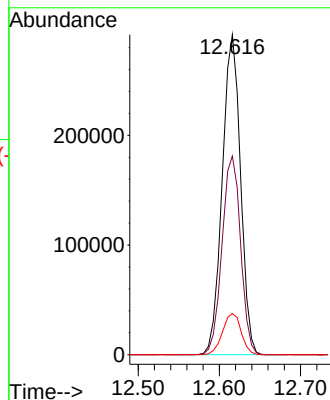
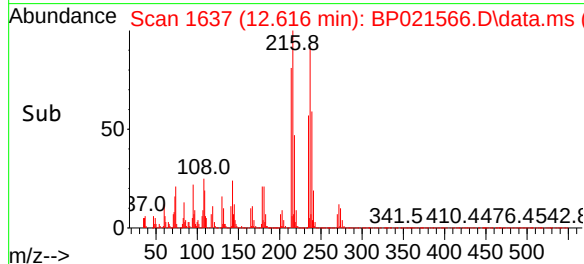
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



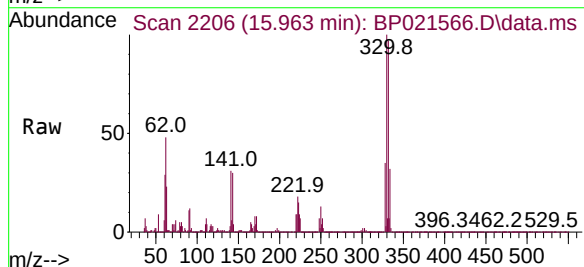
Tgt Ion: 237 Resp: 456339
Ion Ratio Lower Upper
237 100
235 62.1 43.9 83.9
272 12.8 0.0 33.3

Manual Integrations
APPROVED

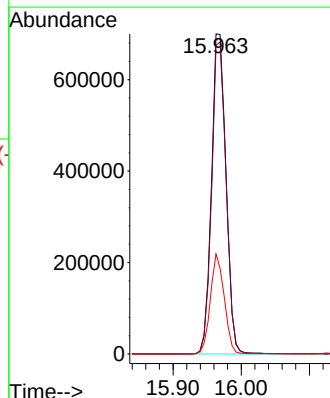
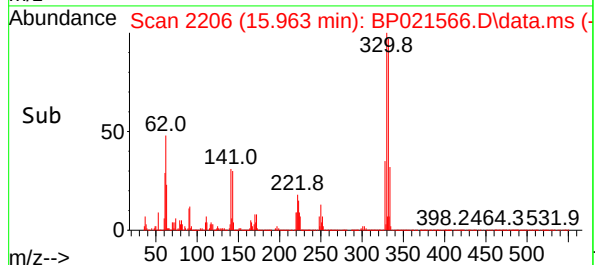
Reviewed By : Yogesh Patel 08/21/2024
Supervised By : mohammad ahmed 08/22/2024

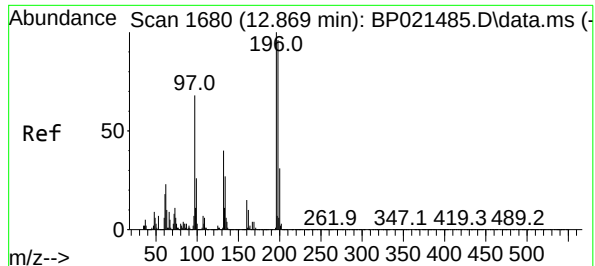


#42
2,4,6-Tribromophenol
Concen: 95.950 ng
RT: 15.963 min Scan# 2206
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07



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# 1680

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

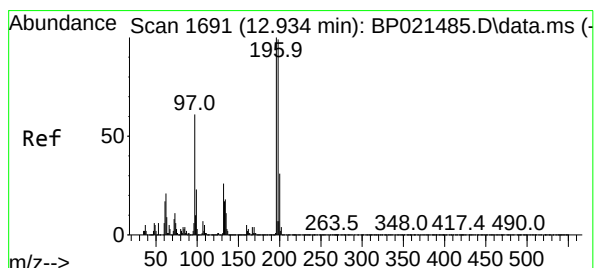
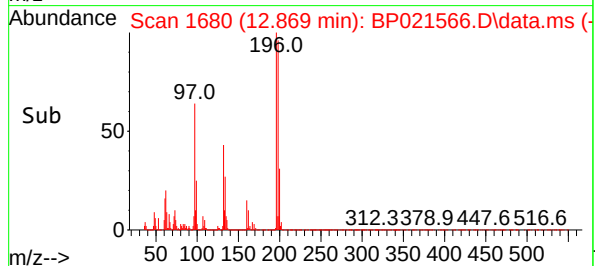
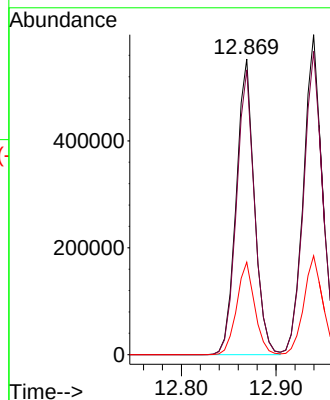
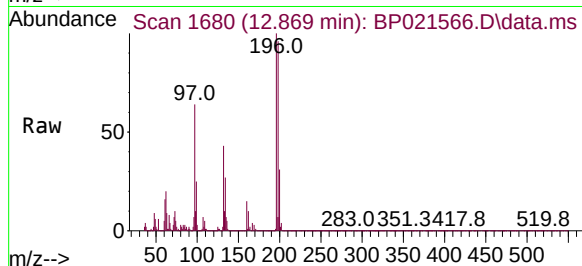
SSTDCCC040

Tgt Ion:196	Resp:	734554
Ion Ratio	Lower	Upper
196	100	
198	96.3	76.6 114.8
200	31.3	24.5 36.7

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

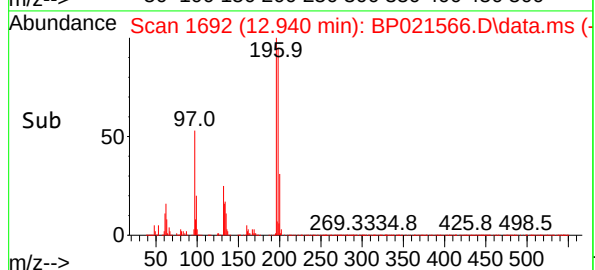
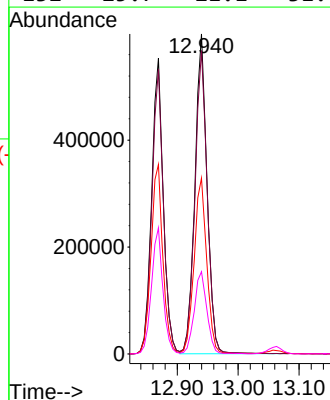
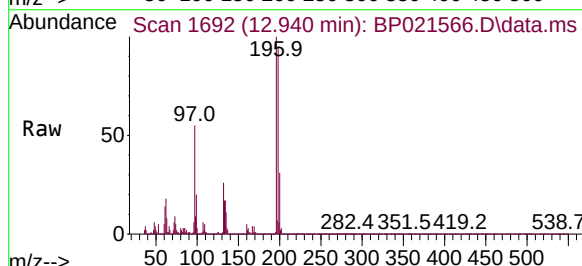
RT: 12.940 min Scan# 1692

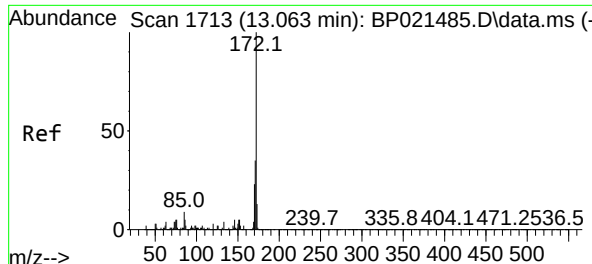
Delta R.T. 0.006 min

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# 1713

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:172 Resp: 482014

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

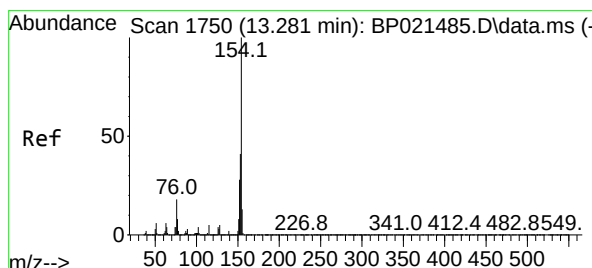
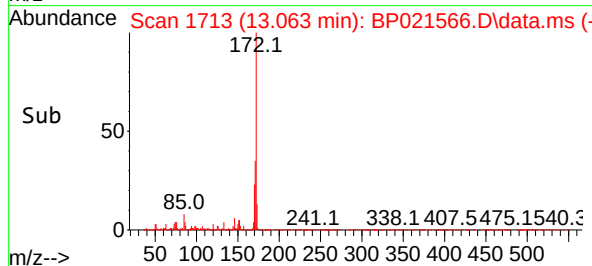
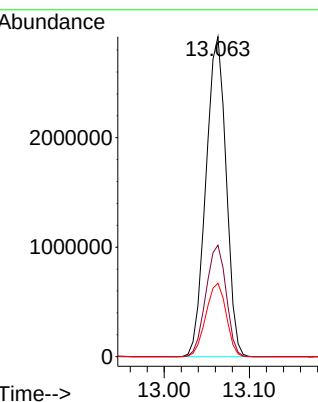
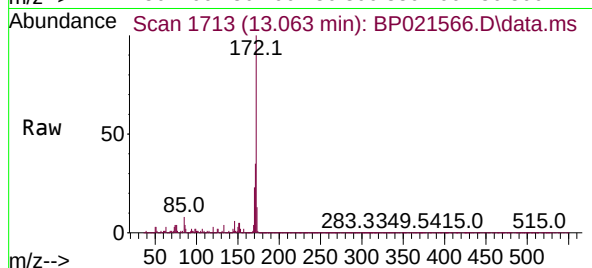
170 23.0 18.4 27.6

Manual Integrations

APPROVED

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

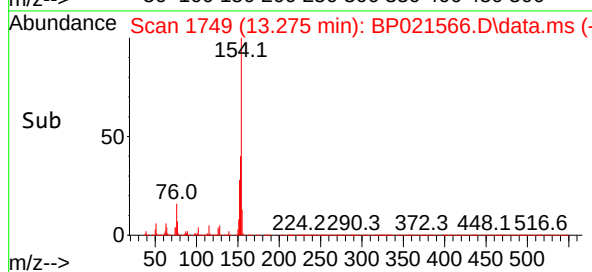
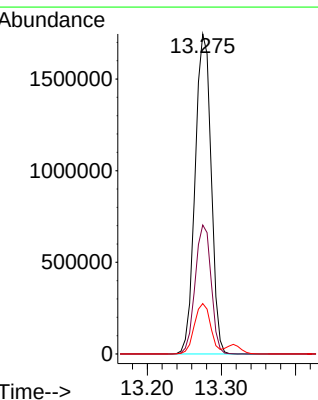
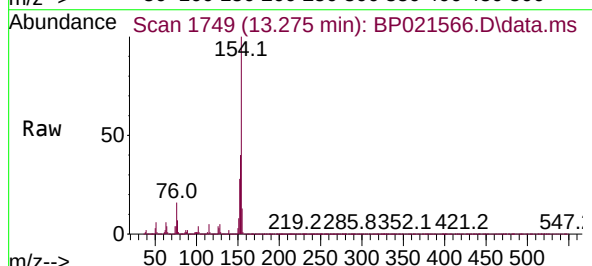
Tgt Ion:154 Resp: 2616716

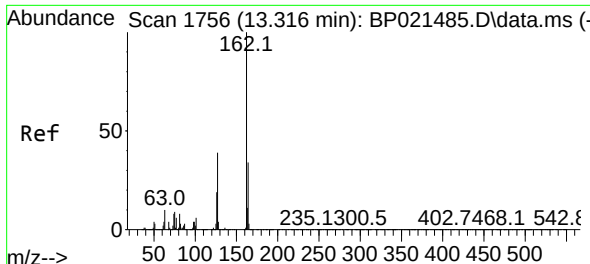
Ion Ratio Lower Upper

154 100

153 40.3 20.7 60.7

76 15.8 0.0 37.7





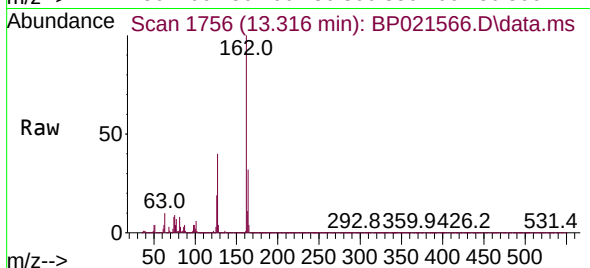
#47
2-Chloronaphthalene
Concen: 38.599 ng
RT: 13.316 min Scan# 1756
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040



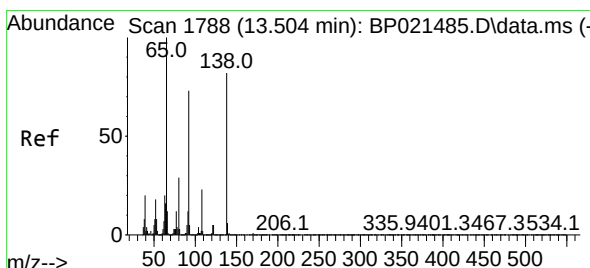
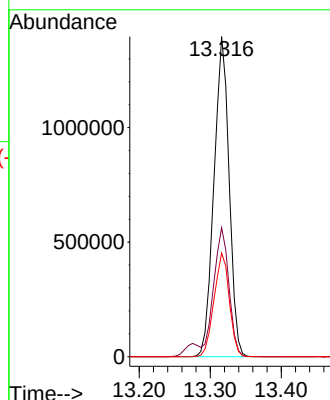
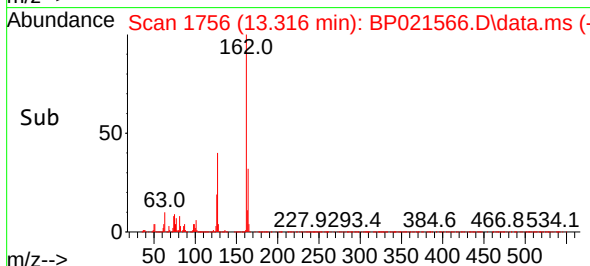
Tgt Ion:162 Resp: 206500
Ion Ratio Lower Upper
162 100
127 40.3 31.9 47.9
164 32.4 26.8 40.2

Manual Integrations

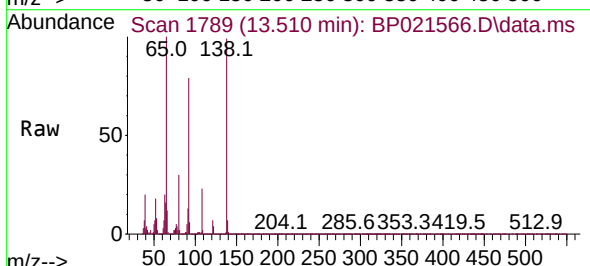
APPROVED

Reviewed By :Yogesh Patel 08/21/2024

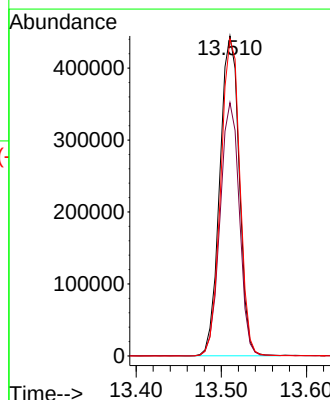
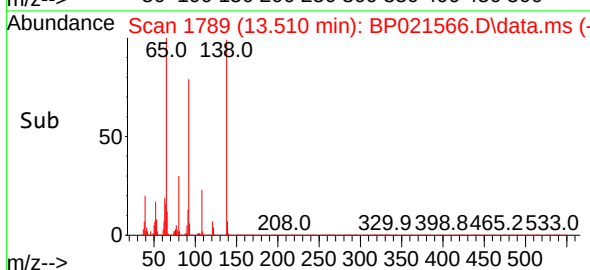
Supervised By :mohammad ahmed 08/22/2024

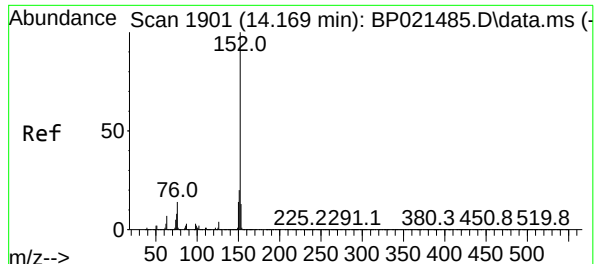


#48
2-Nitroaniline
Concen: 47.106 ng
RT: 13.510 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07



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# 1901

Delta R.T. -0.000 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 308691

Ion Ratio Lower Upper

152 100

151 19.6 15.9 23.9

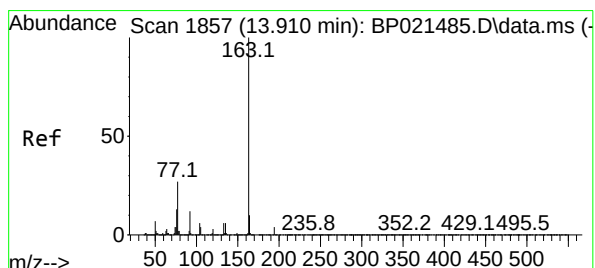
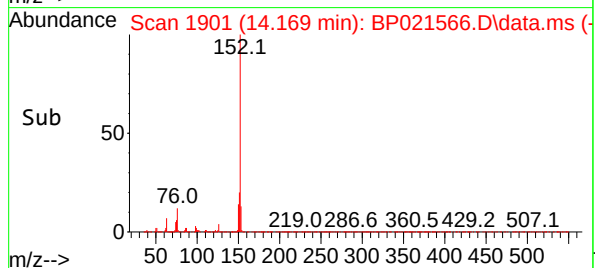
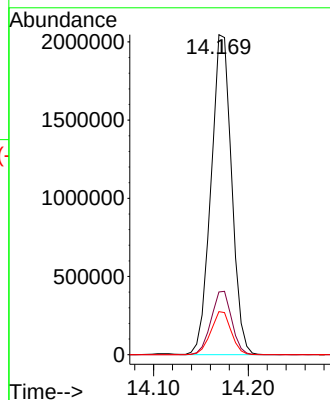
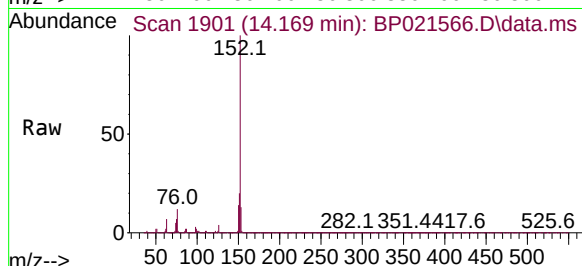
153 13.5 10.6 16.0

Manual Integrations

APPROVED

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

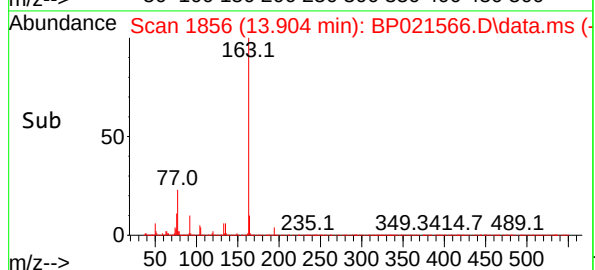
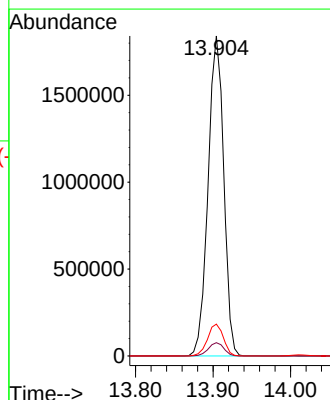
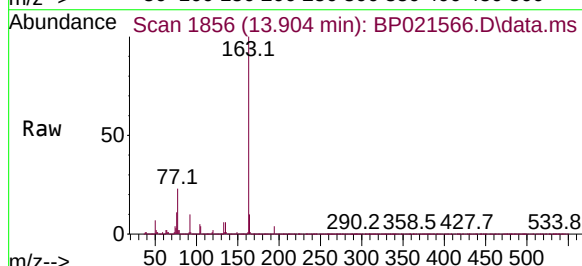
Tgt Ion:163 Resp: 2580187

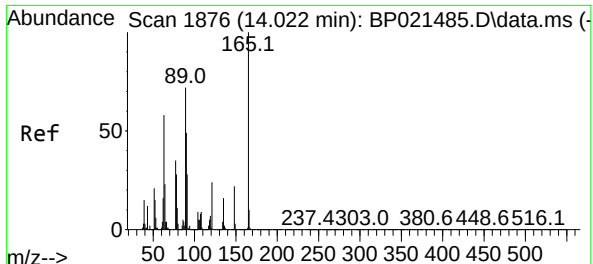
Ion Ratio Lower Upper

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# 1874
Delta R.T. -0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

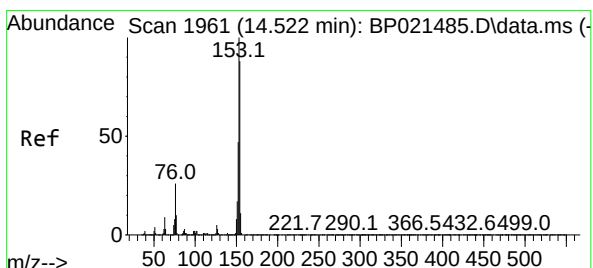
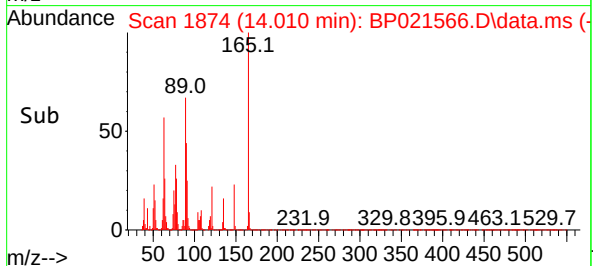
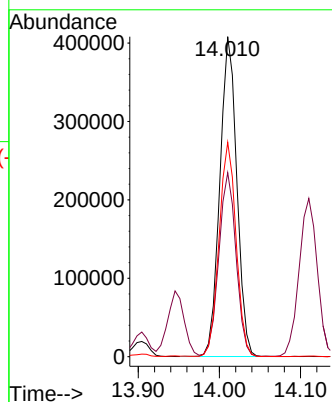
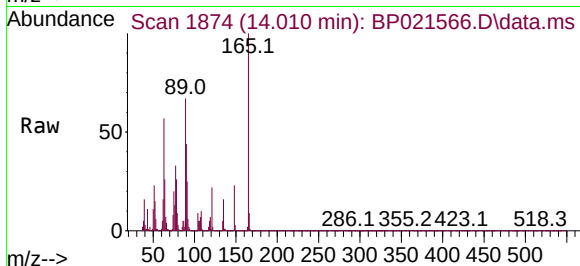
ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 594069
Ion Ratio Lower Upper
165 100
63 57.5 51.5 77.3
89 67.0 57.8 86.8

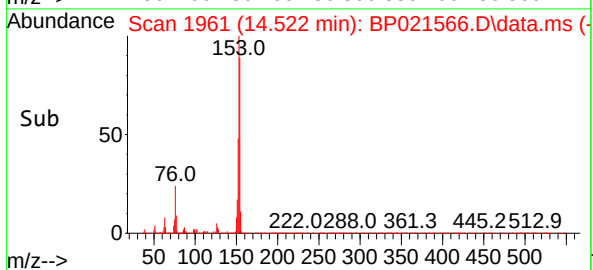
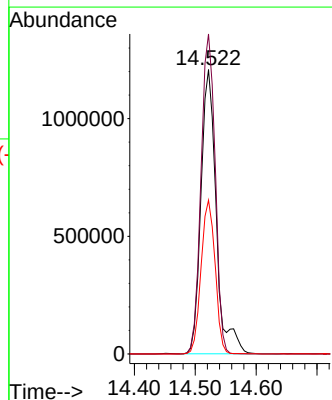
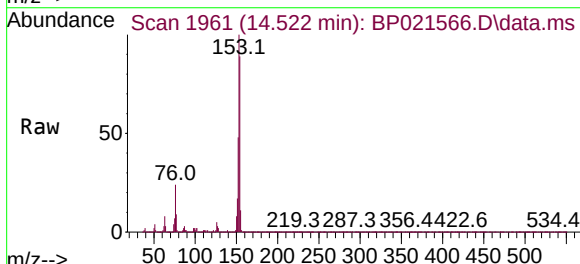
Manual Integrations
APPROVED

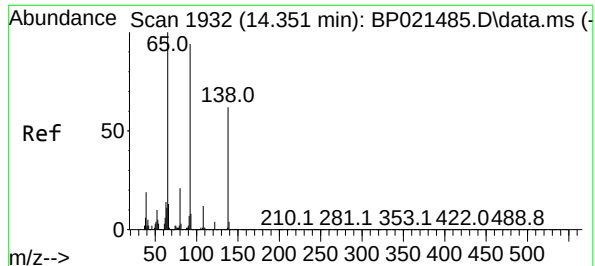
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





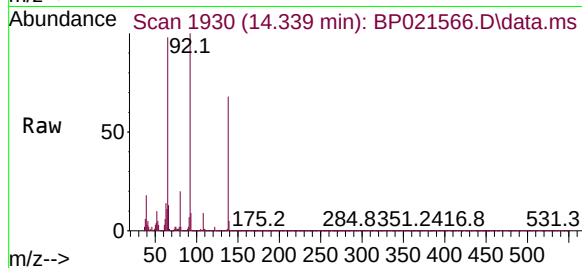
#53
3-Nitroaniline
Concen: 48.589 ng
RT: 14.339 min Scan# 1932
Delta R.T. -0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

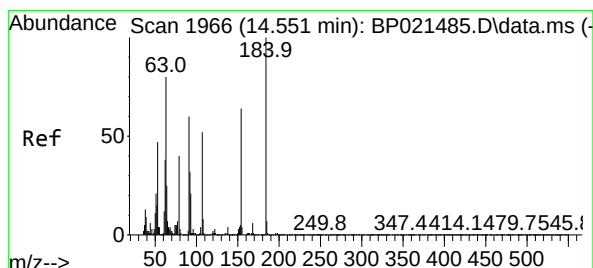
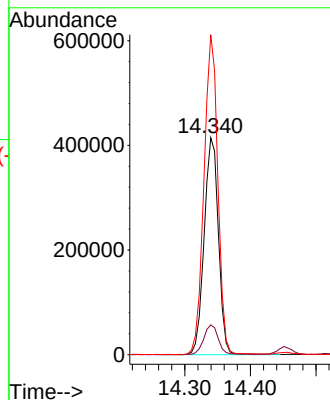
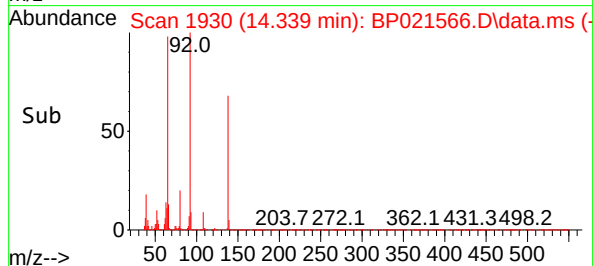
SSTDCCC040



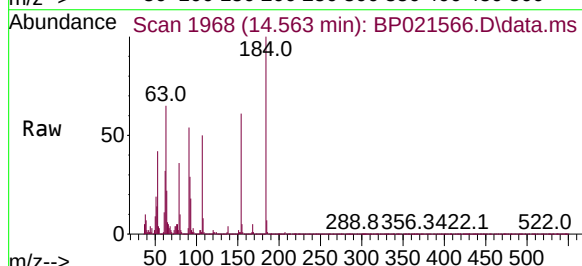
Tgt Ion:138 Resp: 627490
Ion Ratio Lower Upper
138 100
108 13.7 16.2 24.4
92 147.5 122.2 183.4

Manual Integrations
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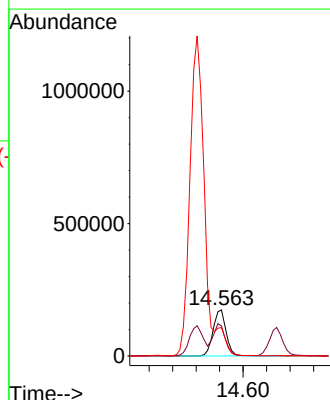
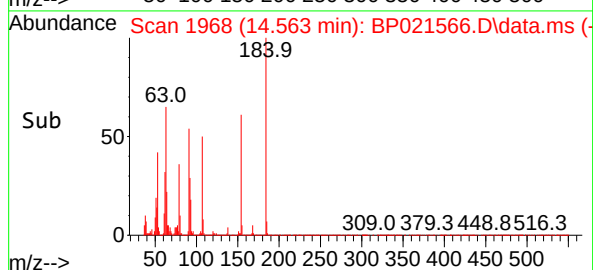
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

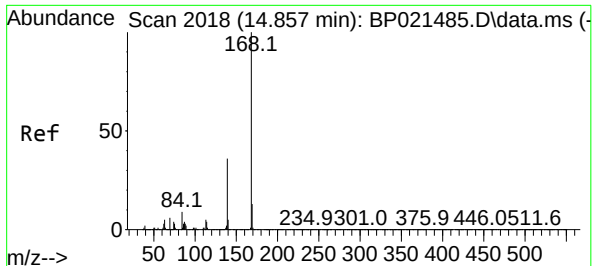


#54
2,4-Dinitrophenol
Concen: 65.093 ng
RT: 14.563 min Scan# 1968
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07



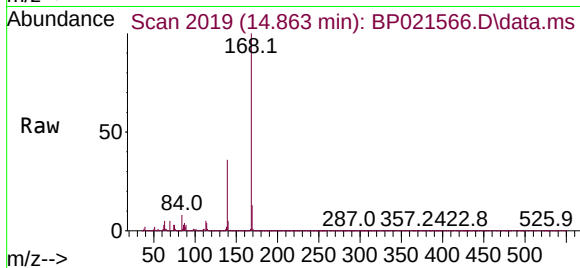
Tgt Ion:184 Resp: 267685
Ion Ratio Lower Upper
184 100
63 65.1 64.9 97.3
154 61.3 52.1 78.1





#55
Dibenzenofuran
Concen: 39.211 ng
RT: 14.863 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

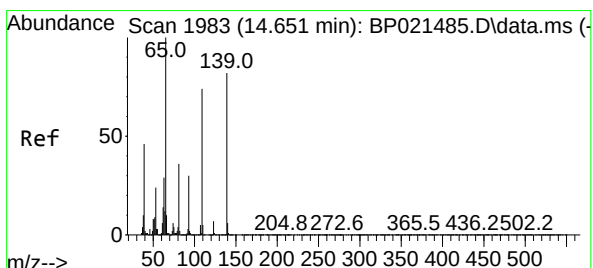
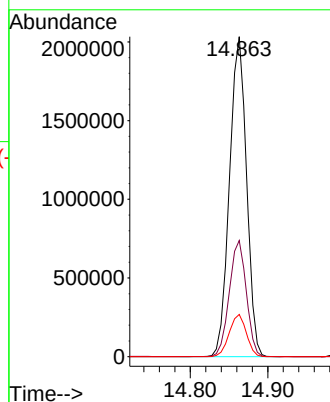
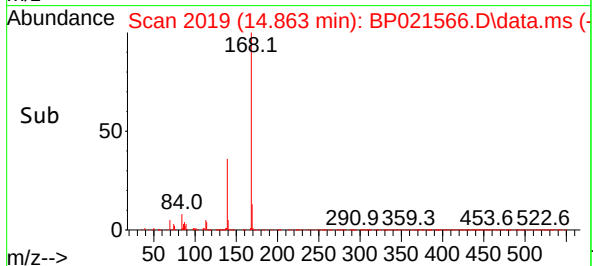
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:168 Resp: 3112579
Ion Ratio Lower Upper
168 100
139 36.3 28.6 43.0
169 13.2 10.6 16.0

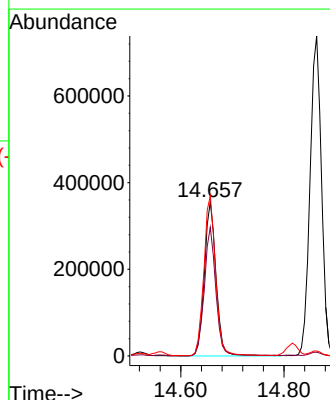
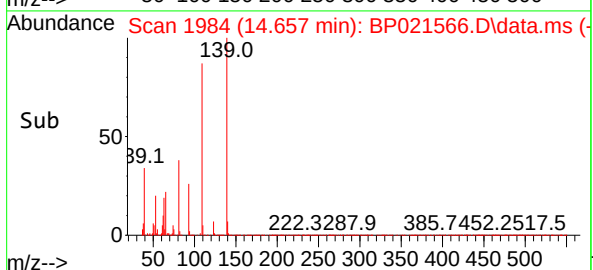
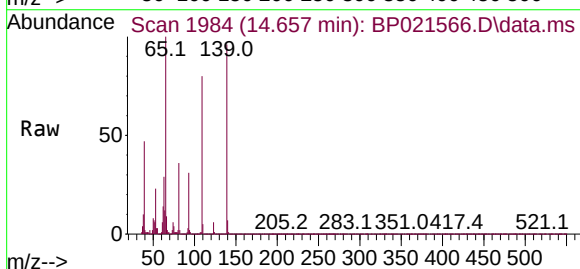
Manual Integrations
APPROVED

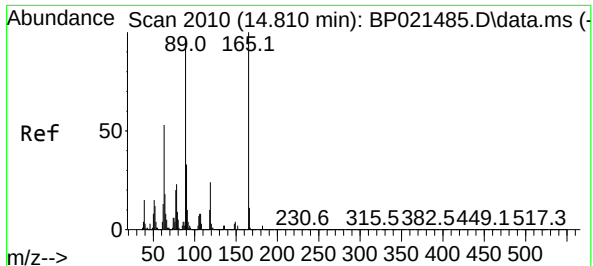
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





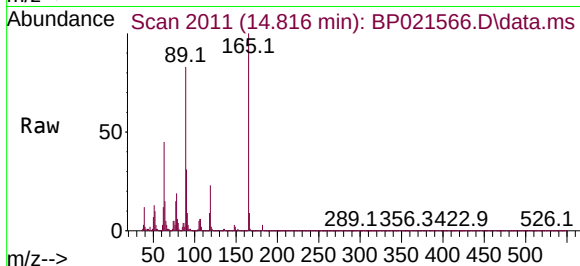
#57
2,4-Dinitrotoluene
Concen: 49.320 ng
RT: 14.816 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

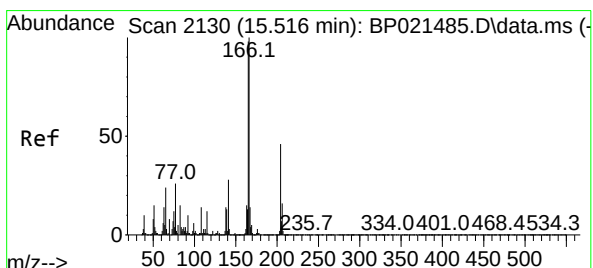
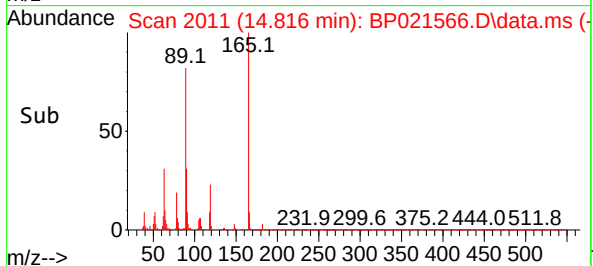
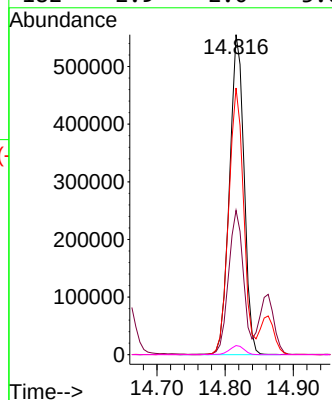
SSTDCCC040



Tgt Ion:165 Resp: 825714
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

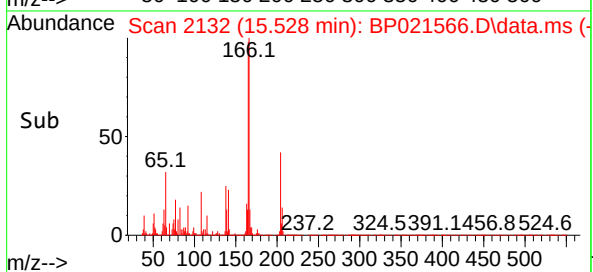
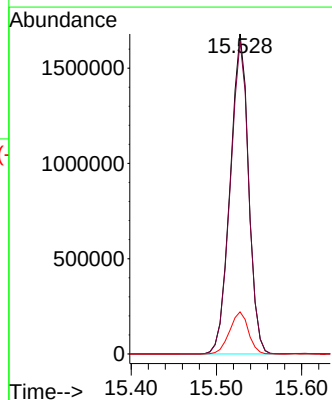
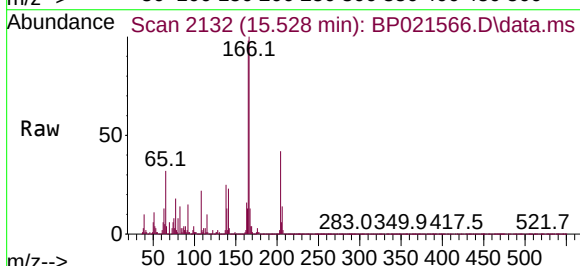
Manual Integrations
APPROVED

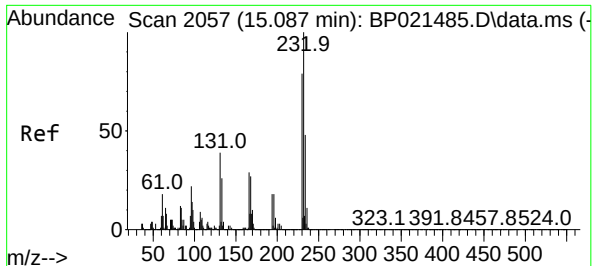
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

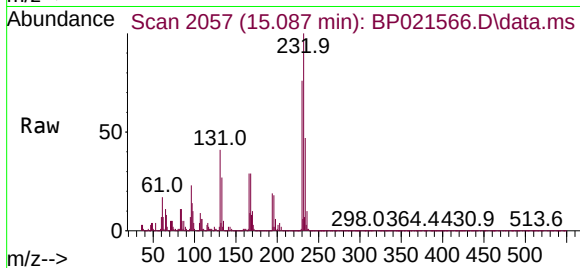
Tgt Ion:166 Resp: 2513424
Ion Ratio Lower Upper
166 100
165 97.8 78.1 117.1
167 13.1 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.067 ng
RT: 15.087 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

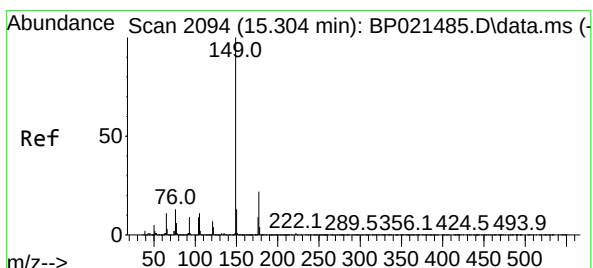
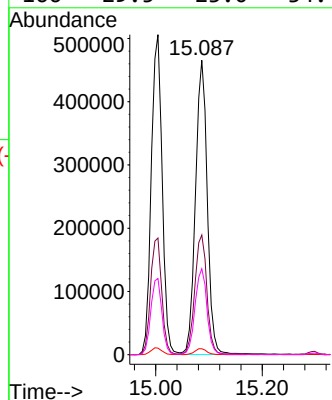
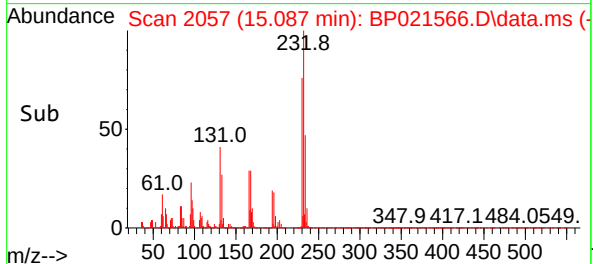
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



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

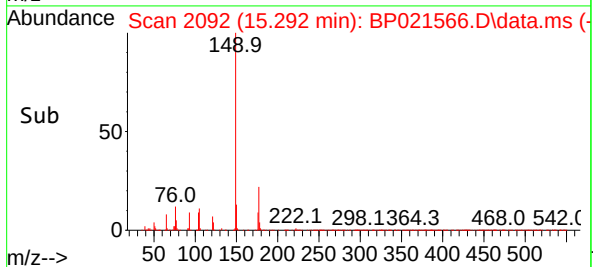
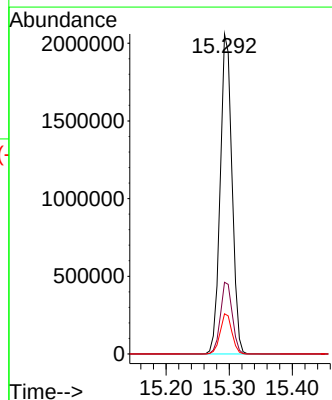
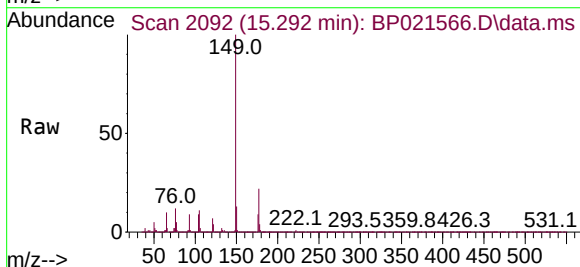
Manual Integrations
APPROVED

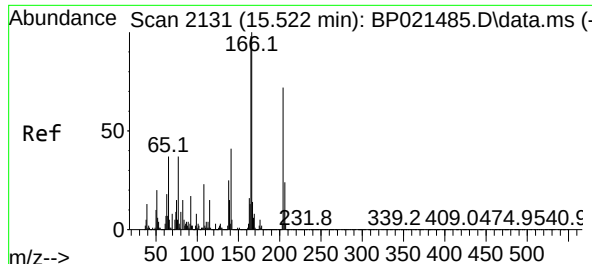
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

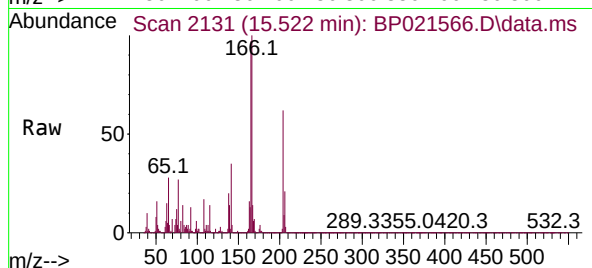
Tgt Ion:149 Resp: 2656153
Ion Ratio Lower Upper
149 100
177 22.4 17.8 26.8
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 37.093 ng
RT: 15.522 min Scan# 2131
Delta R.T. -0.000 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

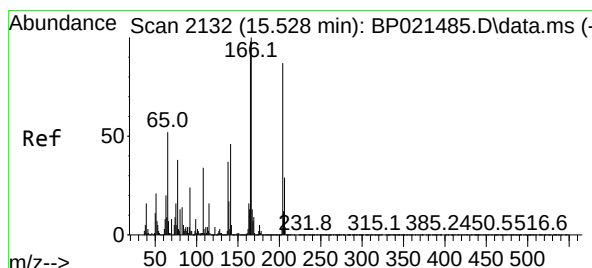
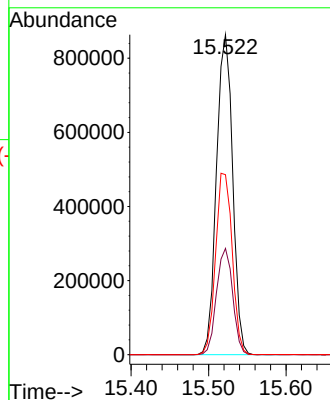
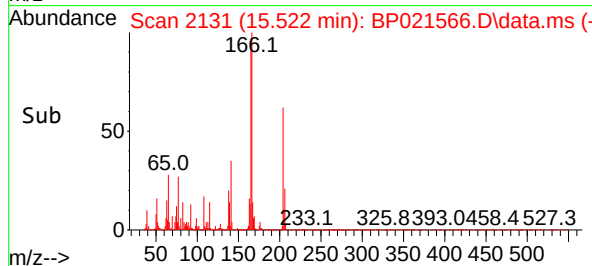
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion: 204 Resp: 1250360
Ion Ratio Lower Upper
204 100
206 33.2 26.4 39.6
141 56.2 46.1 69.1

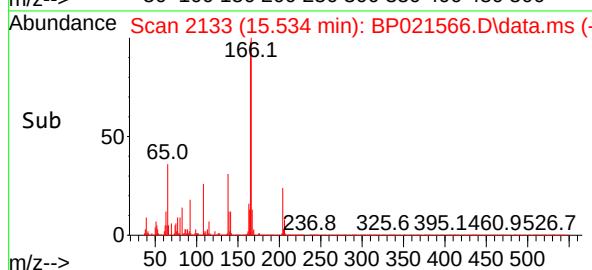
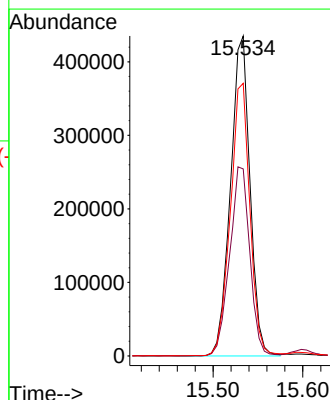
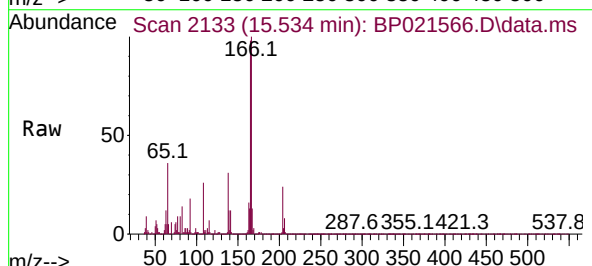
Manual Integrations
APPROVED

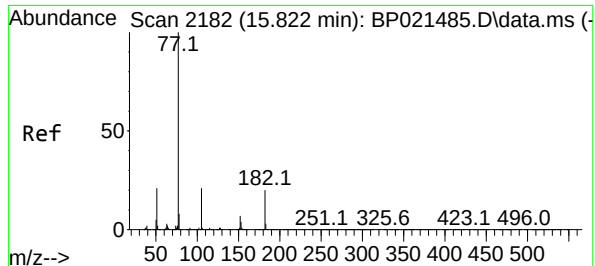
Reviewed By : Yogesh Patel 08/21/2024
Supervised By : mohammad ahmed 08/22/2024



#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

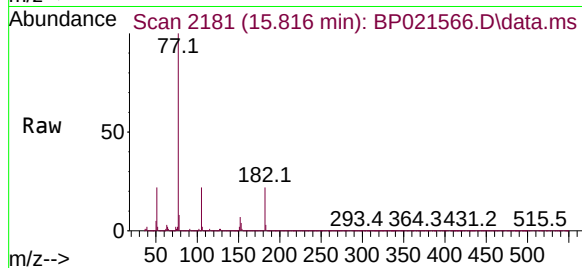
Tgt Ion: 138 Resp: 654363
Ion Ratio Lower Upper
138 100
92 58.4 46.4 86.4
108 85.2 73.2 113.2





#63
Azobenzene
Concen: 34.913 ng
RT: 15.816 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

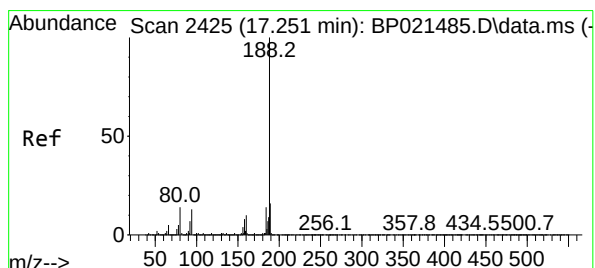
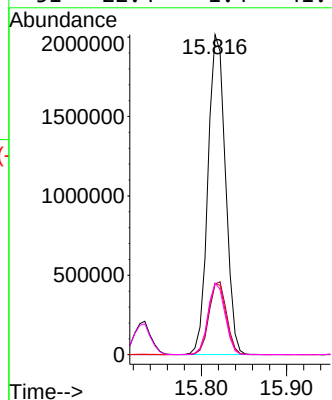
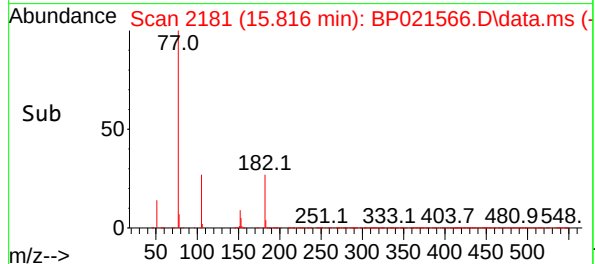
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion: 77 Resp: 2864100
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

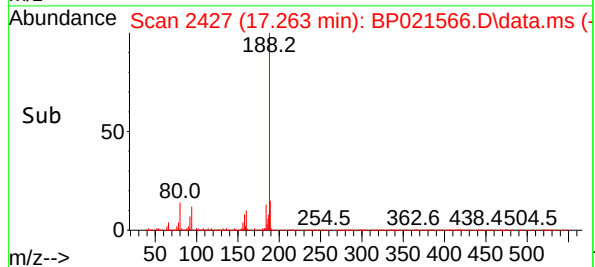
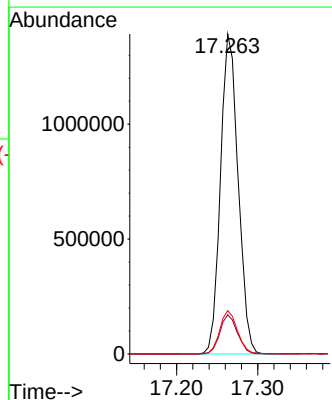
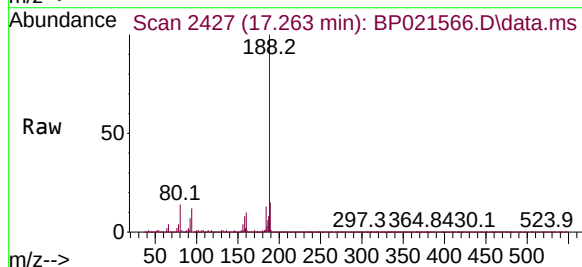
Manual Integrations
APPROVED

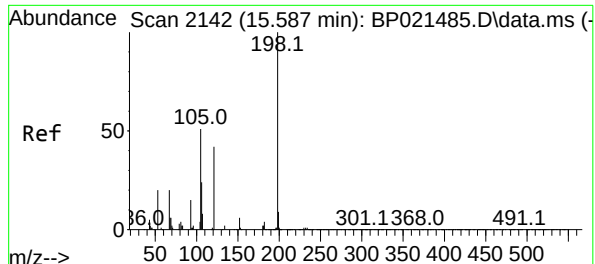
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





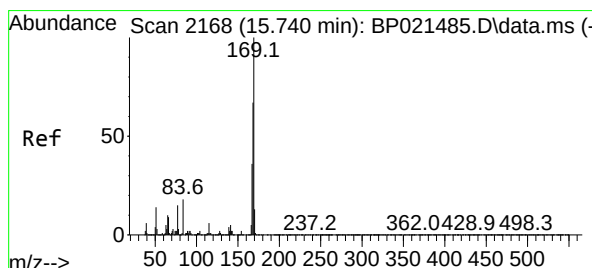
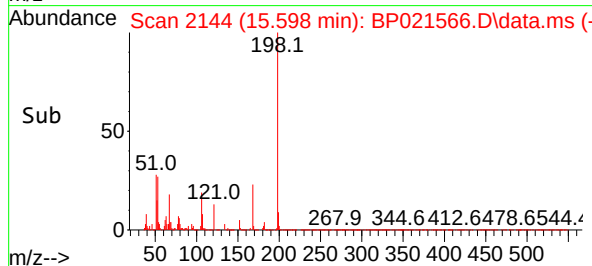
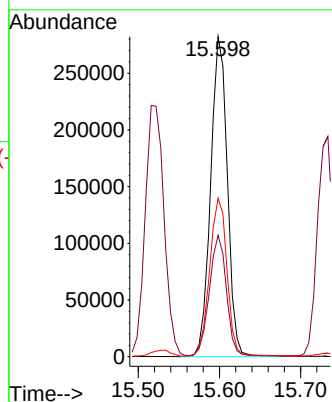
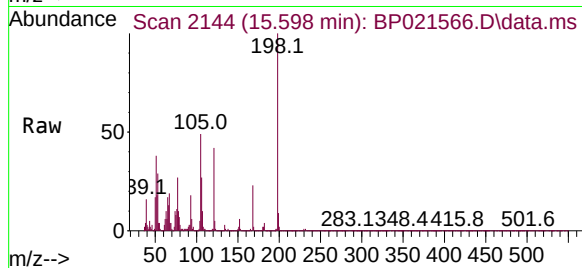
#65
4,6-Dinitro-2-methylphenol
Concen: 58.939 ng
RT: 15.598 min Scan# 2144
Delta R.T. 0.011 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 403578
Ion Ratio Lower Upper
198 100
51 37.9 21.5 61.5
105 49.5 32.9 72.9

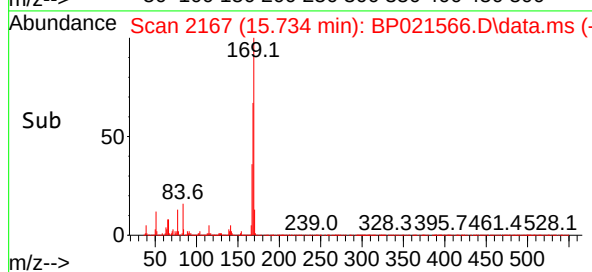
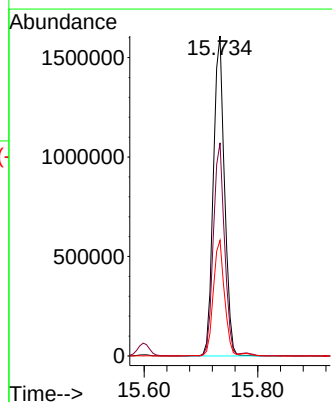
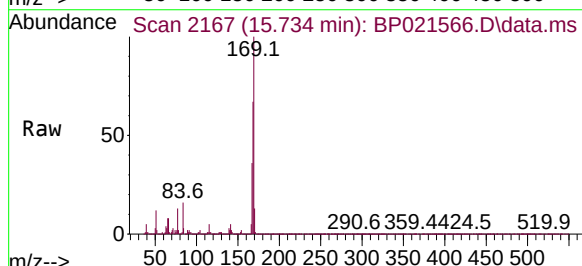
Manual Integrations
APPROVED

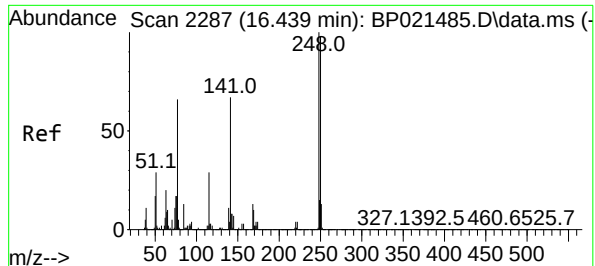
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





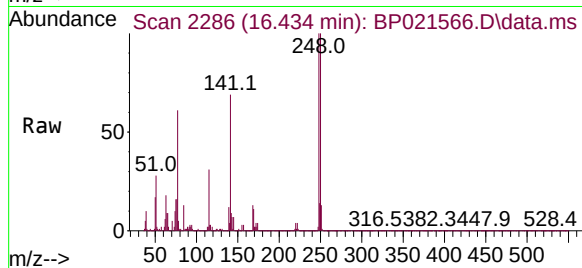
#67
4-Bromophenyl-phenylether
Concen: 37.531 ng
RT: 16.434 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

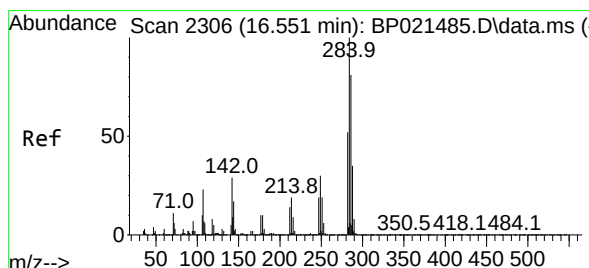
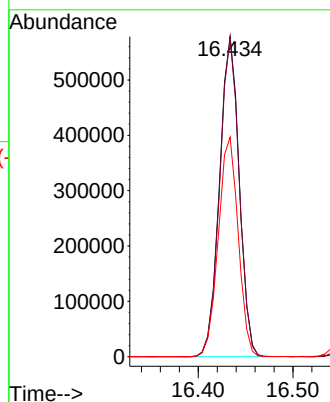
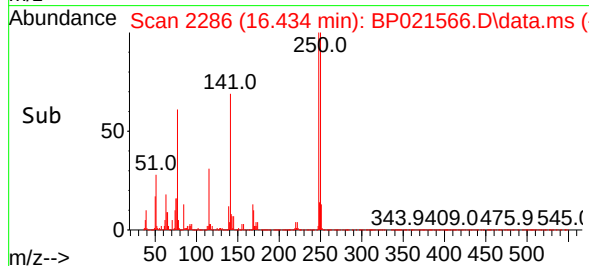
SSTDCCC040



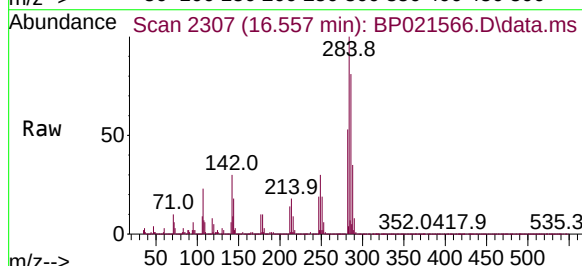
Tgt Ion:248 Resp: 835310
Ion Ratio Lower Upper
248 100
250 99.6 78.6 117.8
141 68.6 53.9 80.9

Manual Integrations
APPROVED

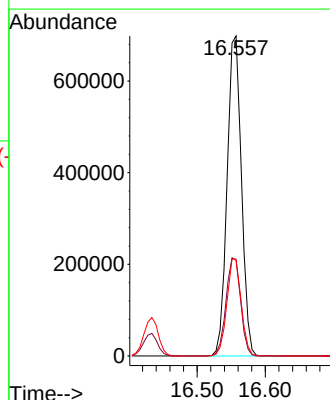
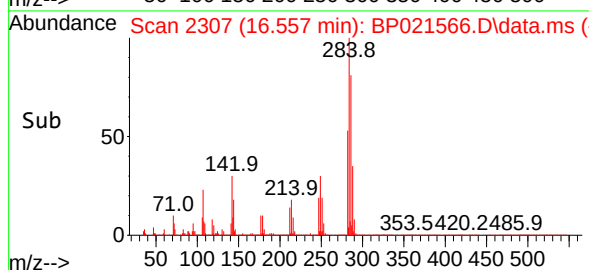
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

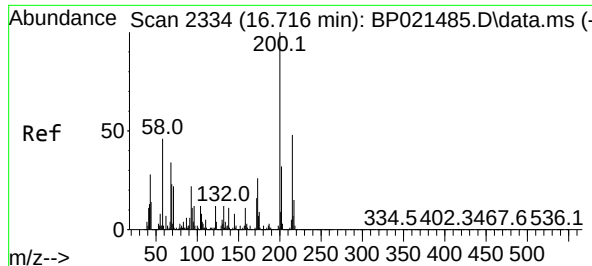


#68
Hexachlorobenzene
Concen: 38.748 ng
RT: 16.557 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07



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# 21

Delta R.T. -0.006 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

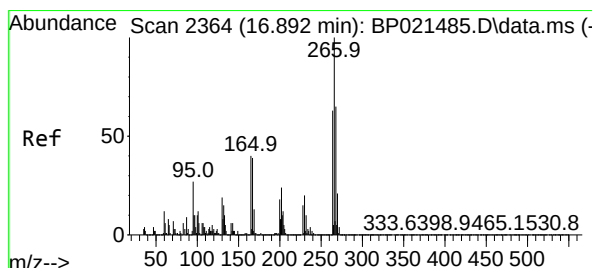
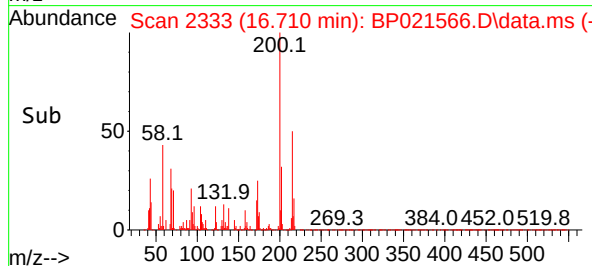
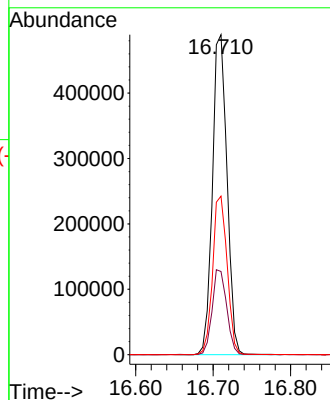
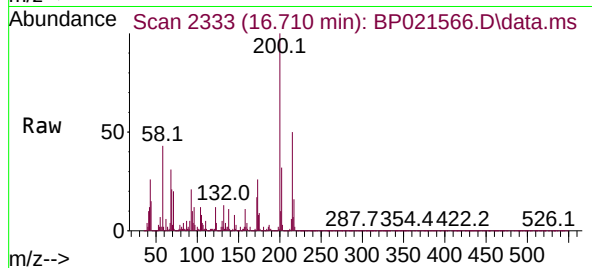
SSTDCCC040

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

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#70

Pentachlorophenol

Concen: 49.739 ng

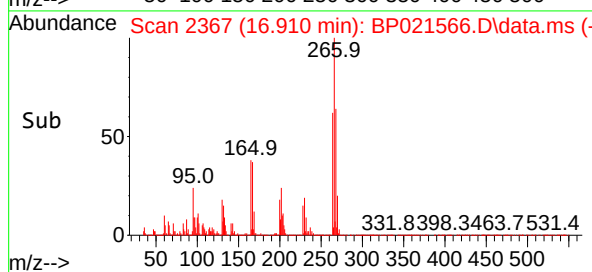
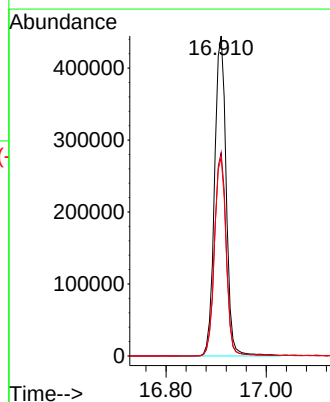
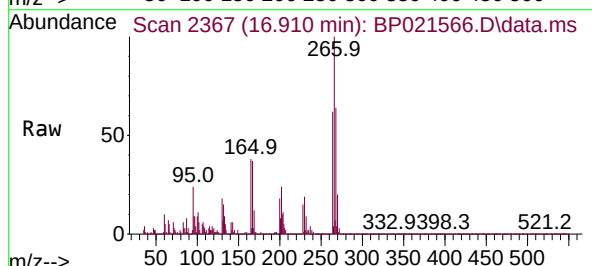
RT: 16.910 min Scan# 2367

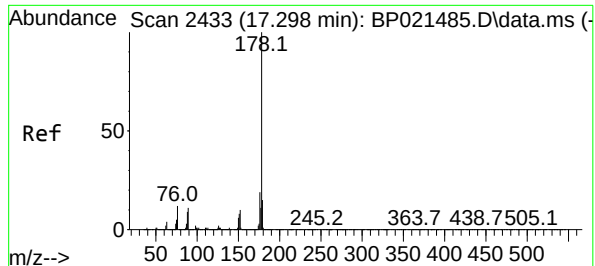
Delta R.T. 0.018 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

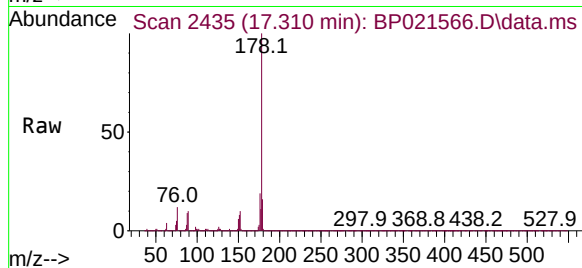
Tgt Ion:	266	Resp:	714044
Ion Ratio	Lower	Upper	
266	100		
268	63.5	51.8	77.6
264	61.9	50.5	75.7





#71
Phenanthrene
Concen: 39.548 ng
RT: 17.310 min Scan# 2435
Delta R.T. 0.012 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

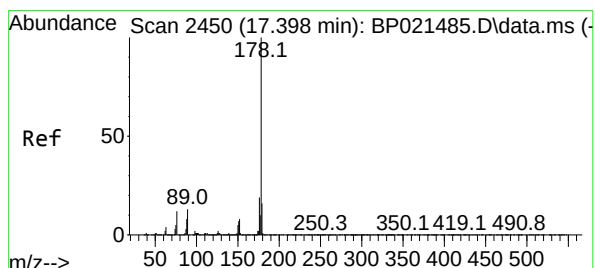
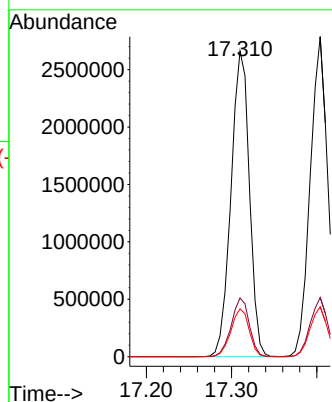
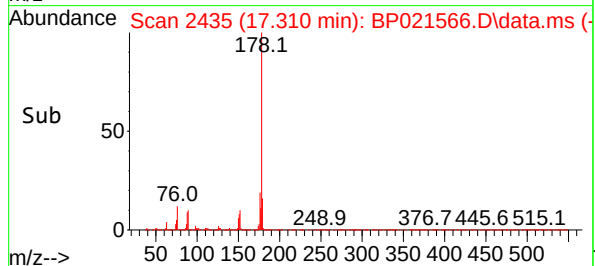
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



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

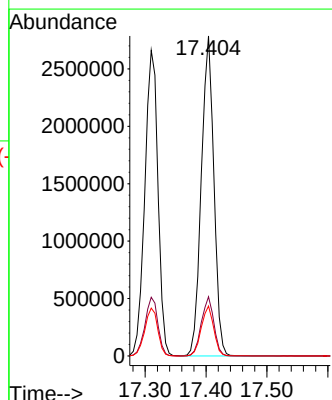
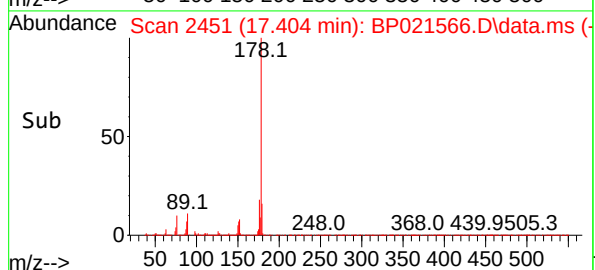
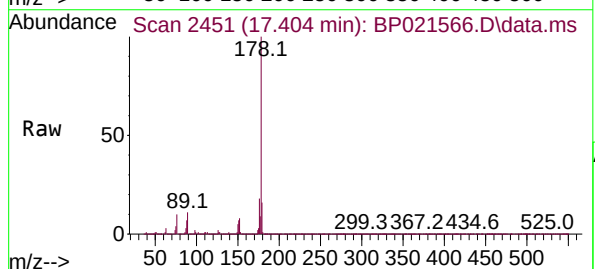
Manual Integrations
APPROVED

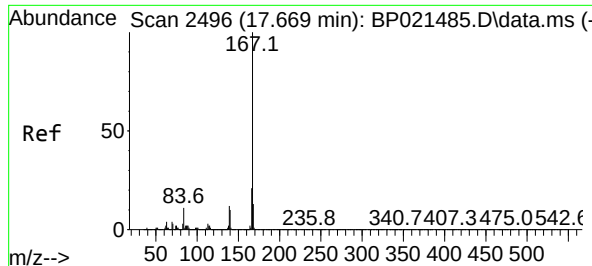
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

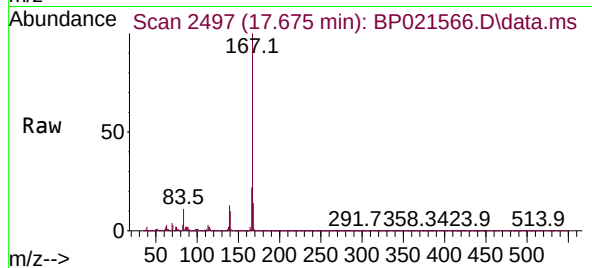
Tgt Ion:178 Resp: 3981334
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 15.6 12.5 18.7





#73
Carbazole
Concen: 41.294 ng
RT: 17.675 min Scan# 2496
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

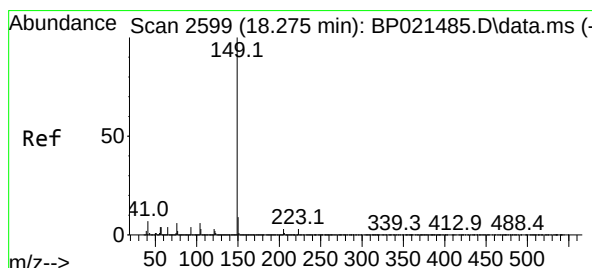
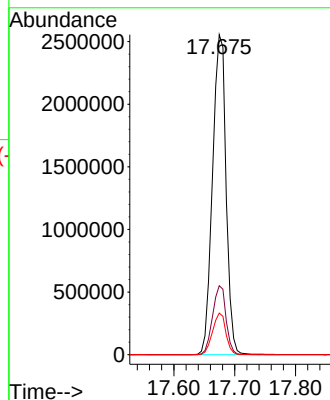
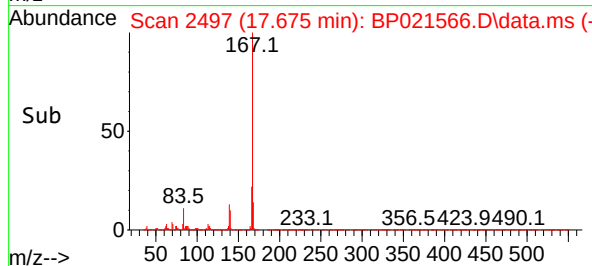
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



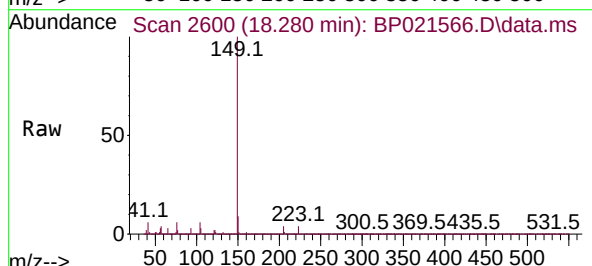
Tgt Ion:167 Resp: 394715
Ion Ratio Lower Upper
167 100
166 21.5 17.0 25.4
139 13.0 9.9 14.9

Manual Integrations
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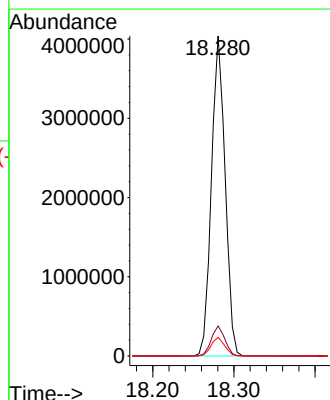
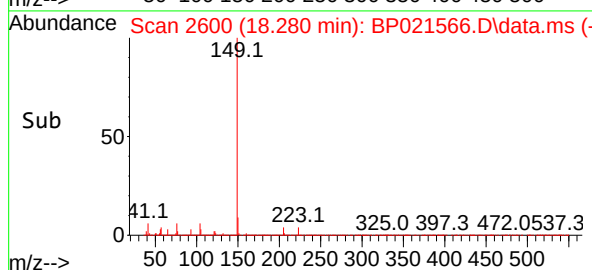
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

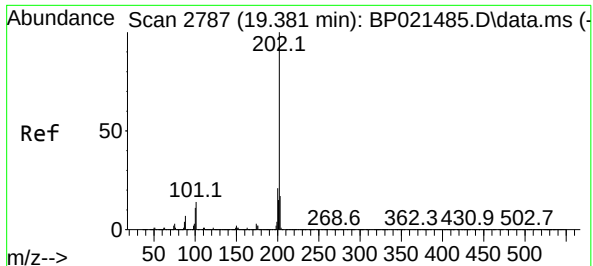


#74
Di-n-butylphthalate
Concen: 40.166 ng
RT: 18.280 min Scan# 2600
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07



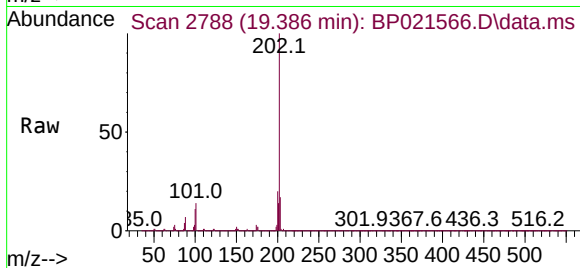
Tgt Ion:149 Resp: 4715211
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 5.8 4.9 7.3





#75
Fluoranthene
Concen: 41.572 ng
RT: 19.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

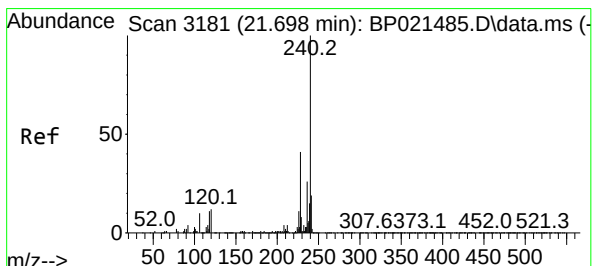
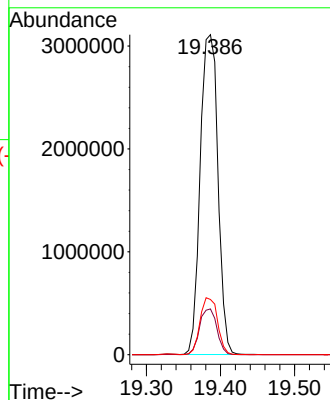
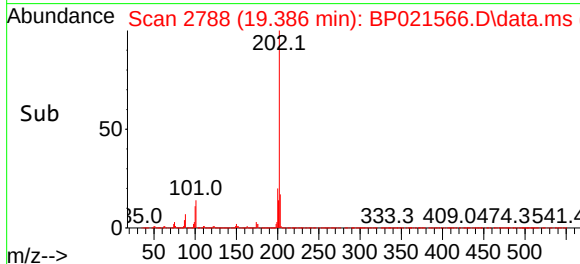
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



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

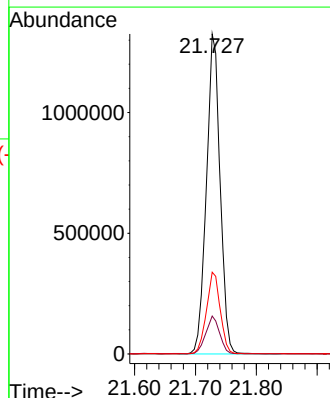
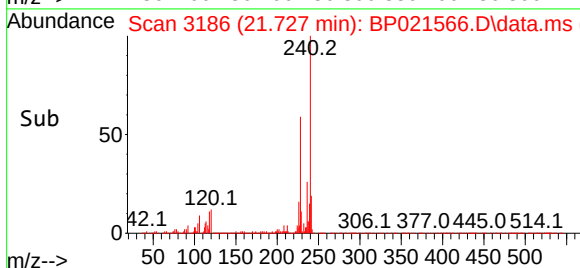
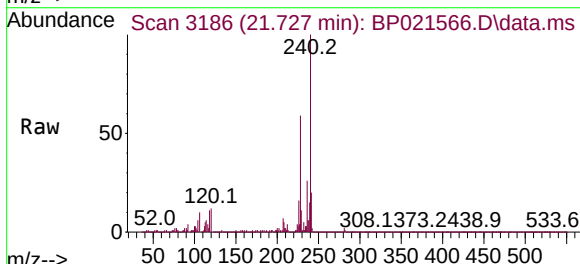
Manual Integrations
APPROVED

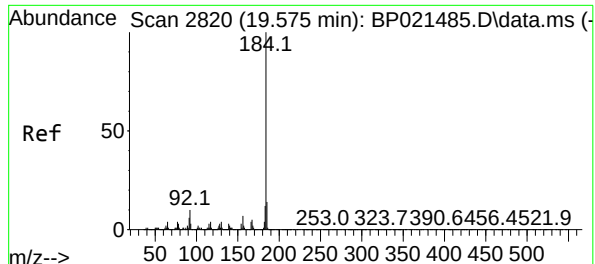
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.727 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# 2821

Delta R.T. 0.005 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:184 Resp: 209225

Ion Ratio Lower Upper

184 100

185 14.0 11.4 17.0

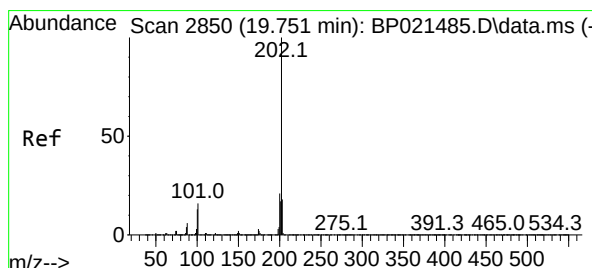
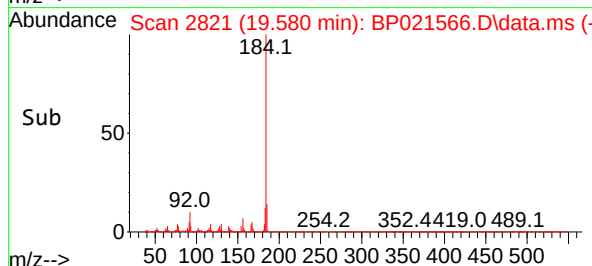
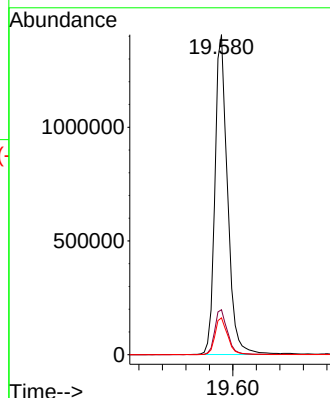
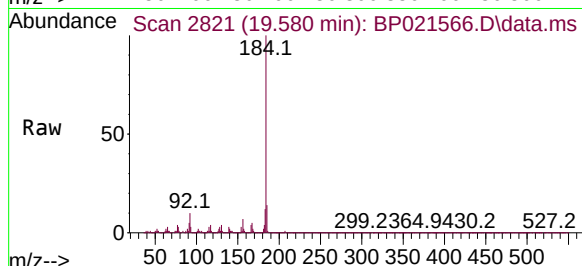
183 11.5 9.3 13.9

Manual Integrations

APPROVED

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

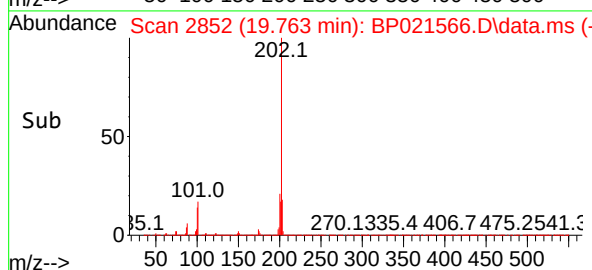
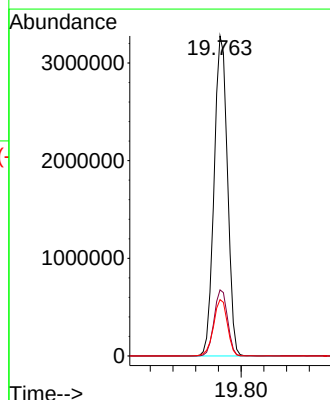
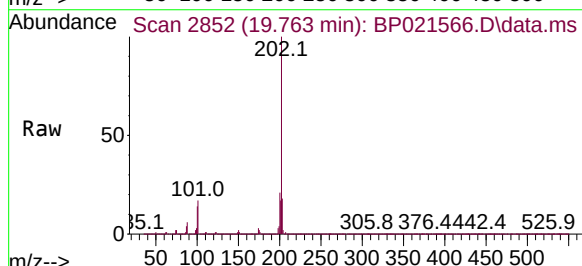
Tgt Ion:202 Resp: 5322876

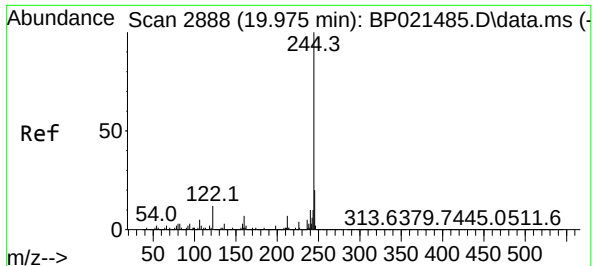
Ion Ratio Lower Upper

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# 2891

Delta R.T. 0.017 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:244 Resp: 7890058

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

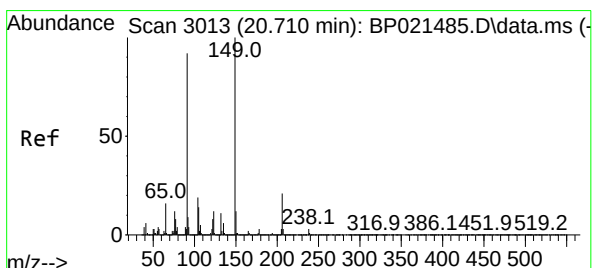
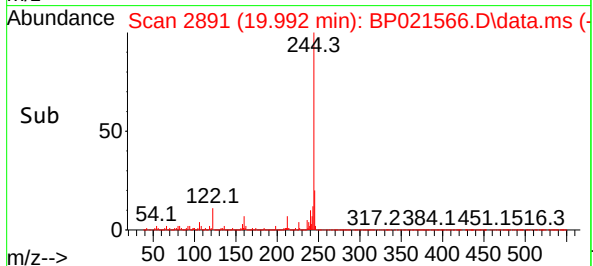
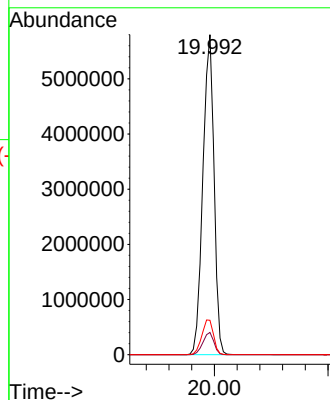
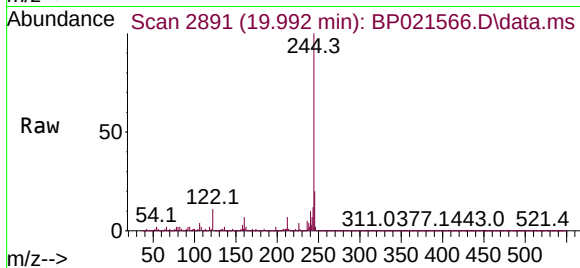
122 10.7 9.4 14.2

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

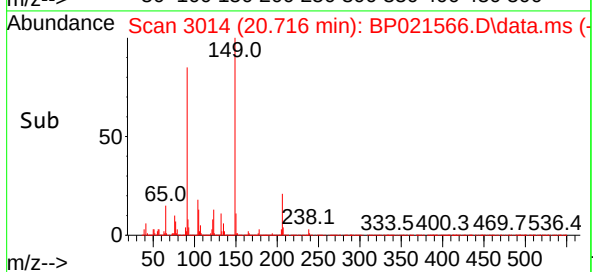
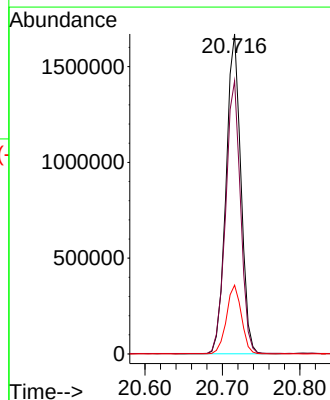
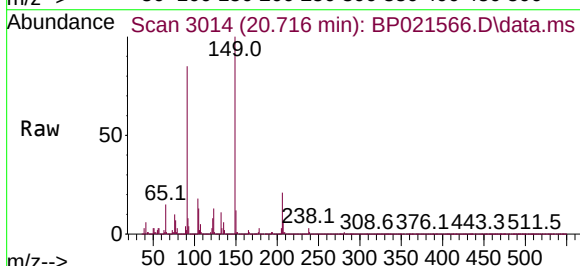
Tgt Ion:149 Resp: 2221372

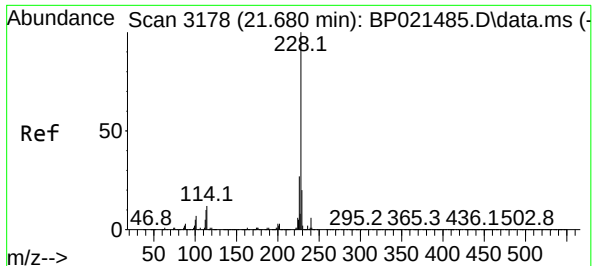
Ion Ratio Lower Upper

149 100

91 85.3 73.3 109.9

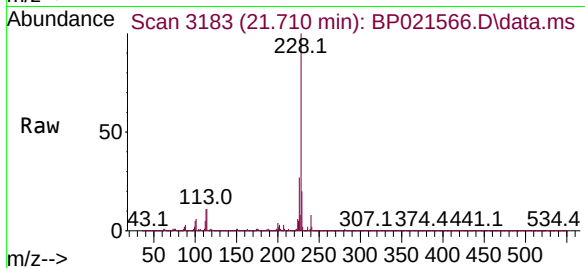
206 21.5 17.1 25.7





#81
Benzo(a)anthracene
Concen: 40.003 ng
RT: 21.710 min Scan# 3178
Delta R.T. 0.029 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

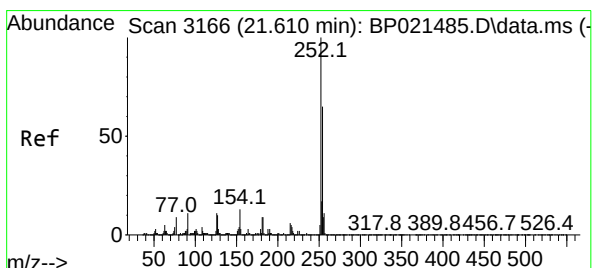
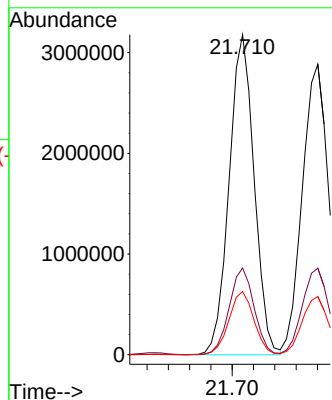
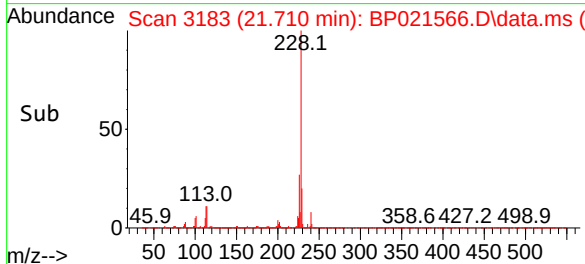
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



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

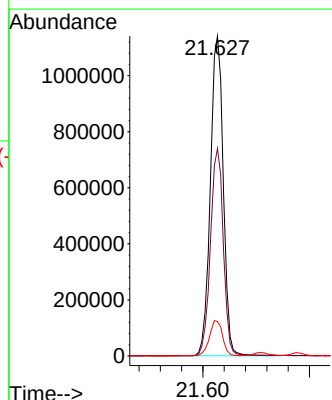
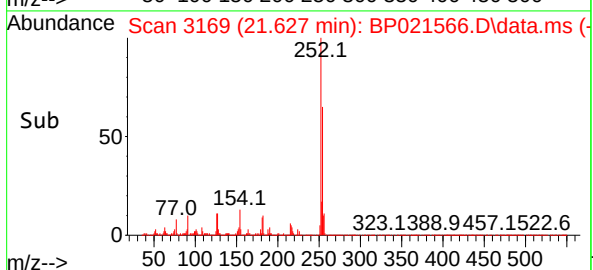
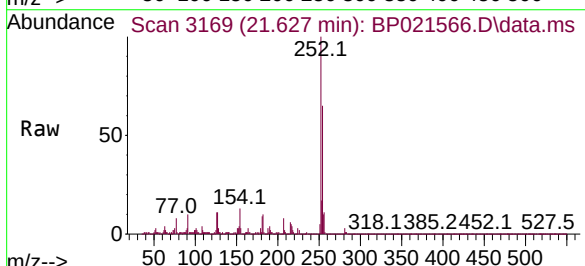
Manual Integrations
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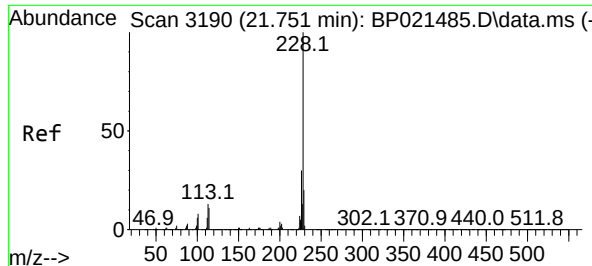
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#82
3,3'-Dichlorobenzidine
Concen: 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# 3190

Delta R.T. 0.029 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 4912854

Ion Ratio Lower Upper

228 100

226 29.8 23.9 35.9

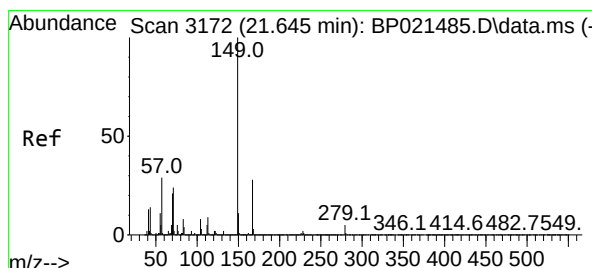
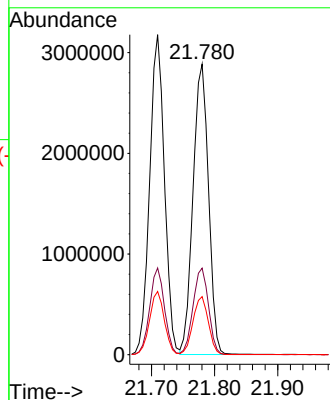
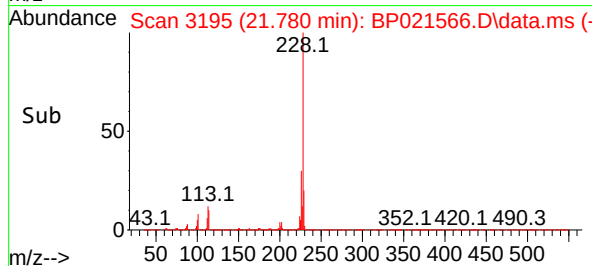
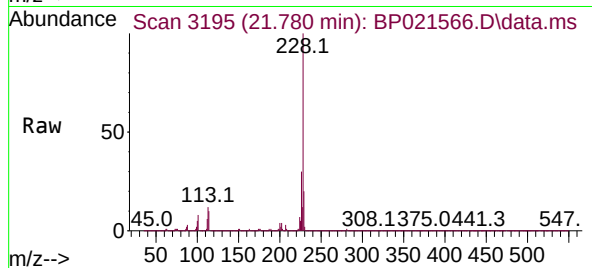
229 20.0 15.8 23.6

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

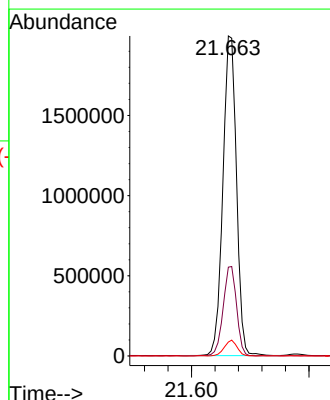
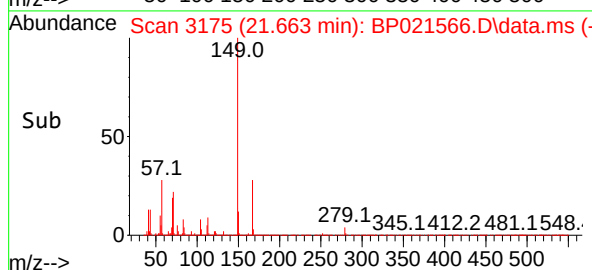
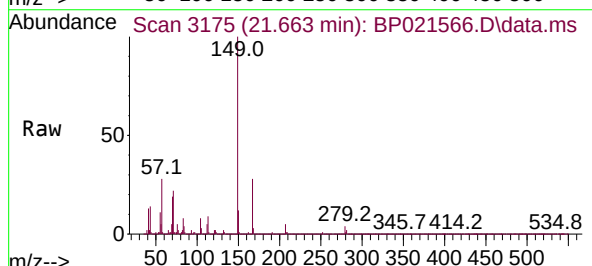
Tgt Ion:149 Resp: 3185624

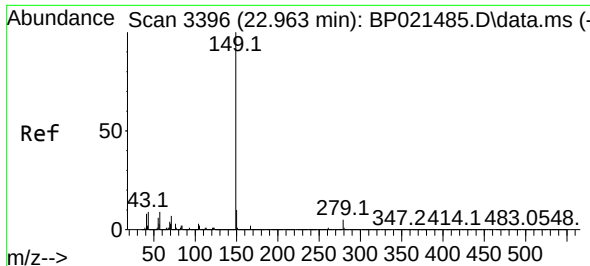
Ion Ratio Lower Upper

149 100

167 27.8 22.3 33.5

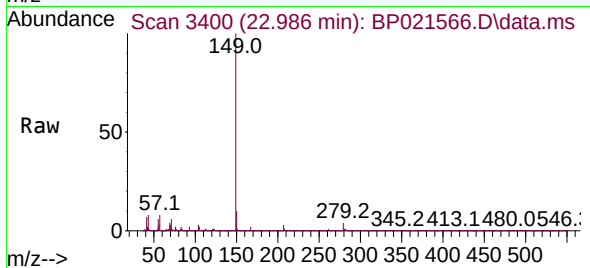
279 4.4 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 42.612 ng
RT: 22.986 min Scan# 3400
Delta R.T. 0.023 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

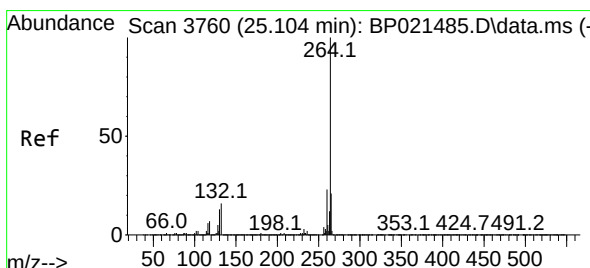
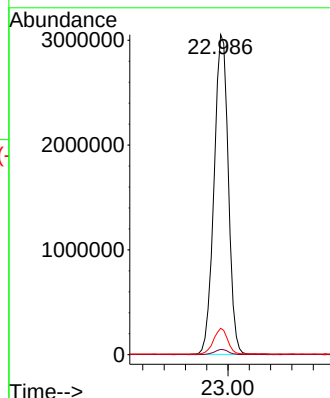
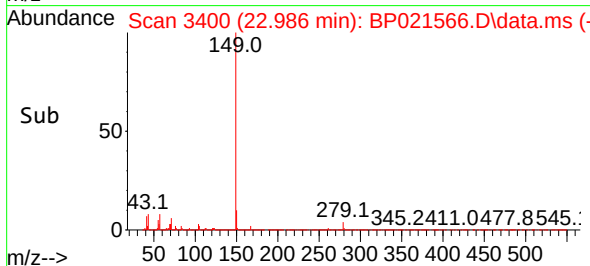
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:149 Resp: 5659478
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.9 7.3 10.9

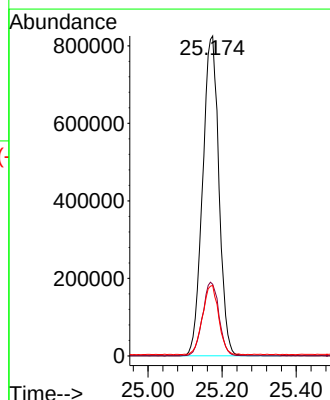
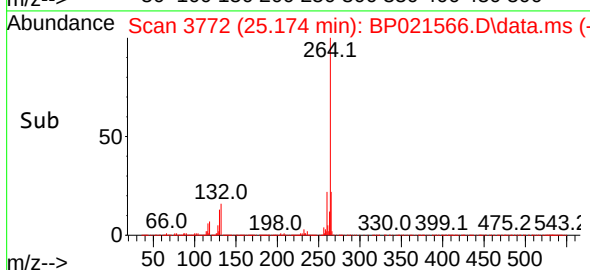
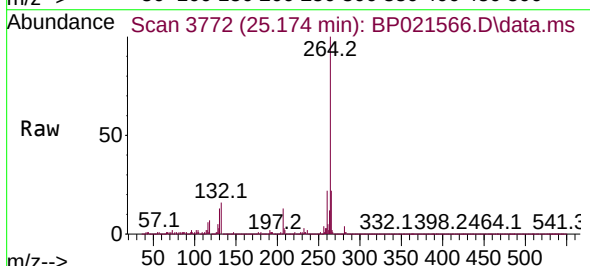
Manual Integrations
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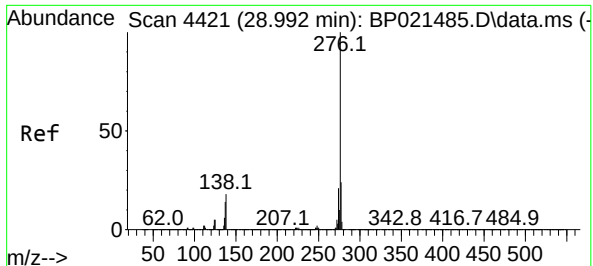
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.174 min Scan# 3772
Delta R.T. 0.070 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

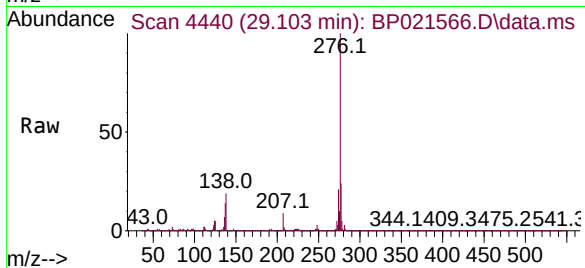
Tgt Ion:264 Resp: 2510089
Ion Ratio Lower Upper
264 100
260 22.4 18.6 28.0
265 22.1 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 40.860 ng m
RT: 29.103 min Scan# 4421
Delta R.T. 0.112 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

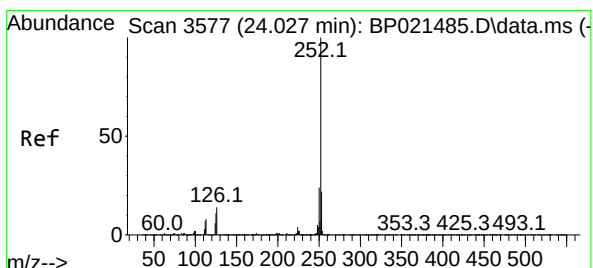
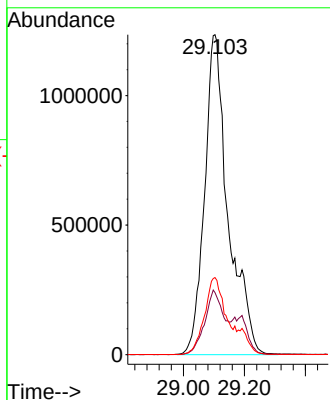
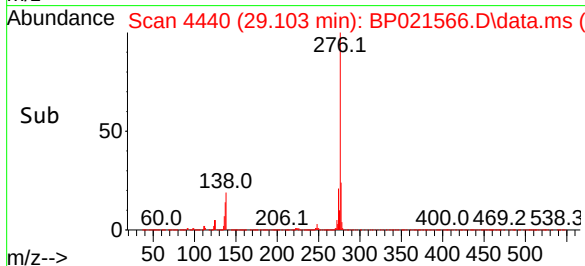
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



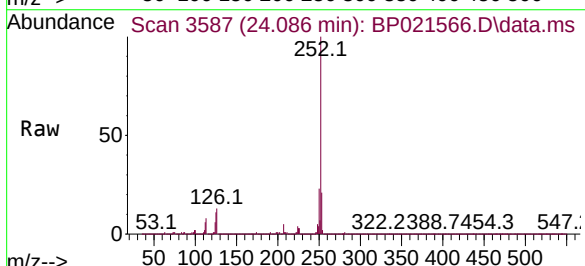
Tgt Ion: 276 Resp: 664823
Ion Ratio Lower Upper
276 100
138 16.2 12.8 19.2
277 22.7 16.5 24.7

Manual Integrations
APPROVED

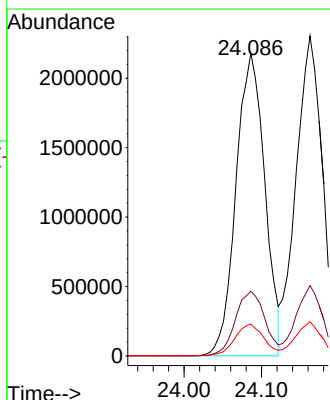
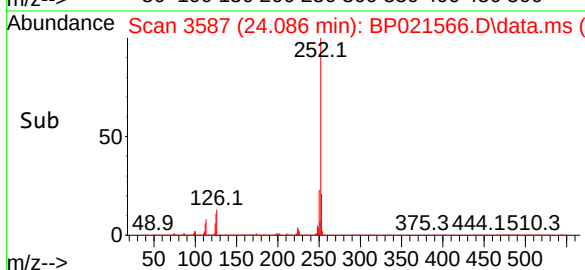
Reviewed By : Yogesh Patel 08/21/2024
Supervised By : mohammad ahmed 08/22/2024

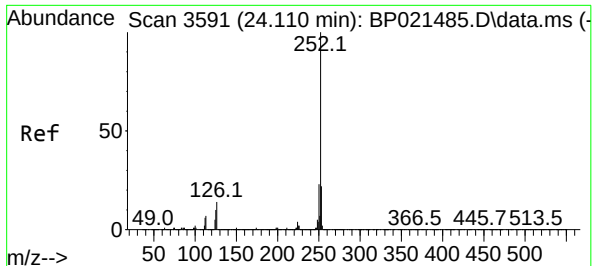


#88
Benzo(b)fluoranthene
Concen: 39.003 ng
RT: 24.086 min Scan# 3587
Delta R.T. 0.059 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07



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# 30

Delta R.T. 0.053 min

Lab File: BP021566.D

Acq: 20 Aug 2024 10:07

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 5443792

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

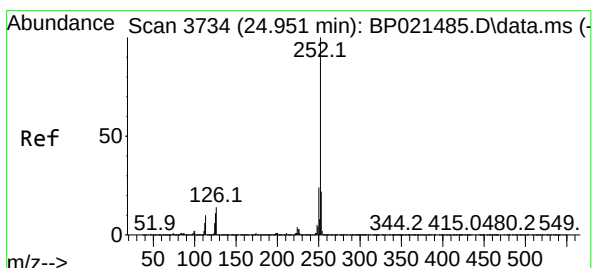
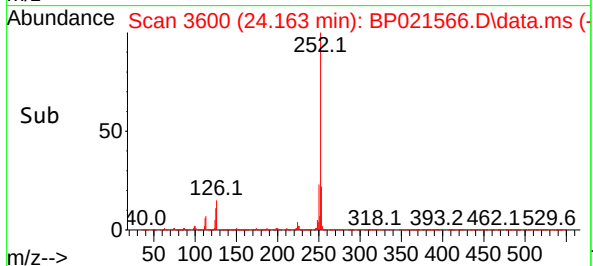
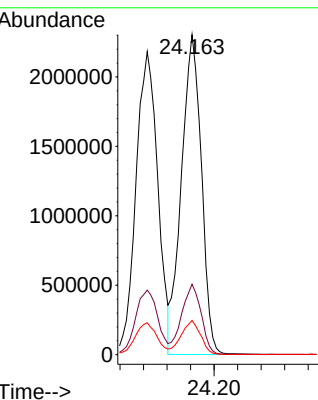
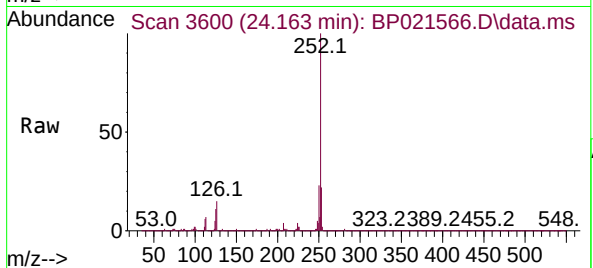
125 10.7 7.8 11.8

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

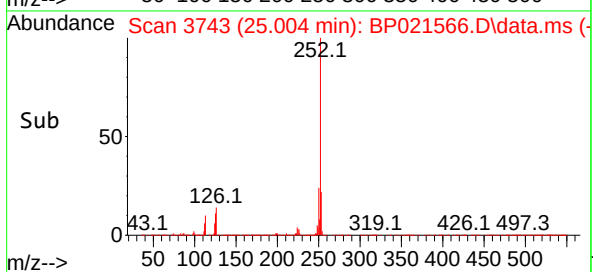
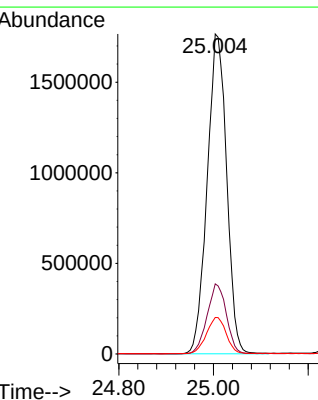
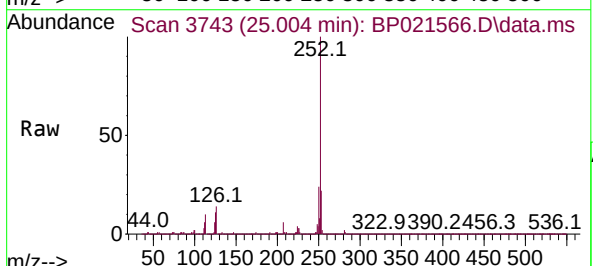
Tgt Ion:252 Resp: 5022273

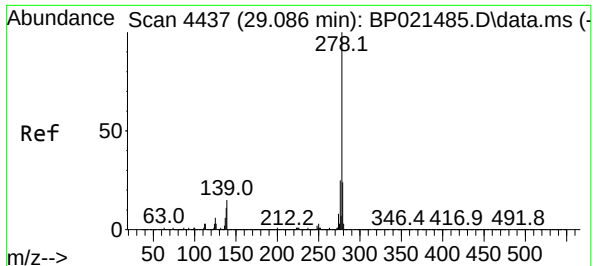
Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

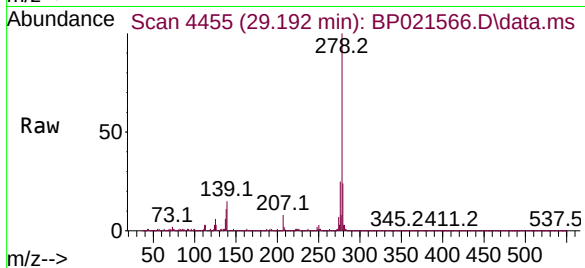
125 11.4 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 40.541 ng
RT: 29.192 min Scan# 4437
Delta R.T. 0.106 min
Lab File: BP021566.D
Acq: 20 Aug 2024 10:07

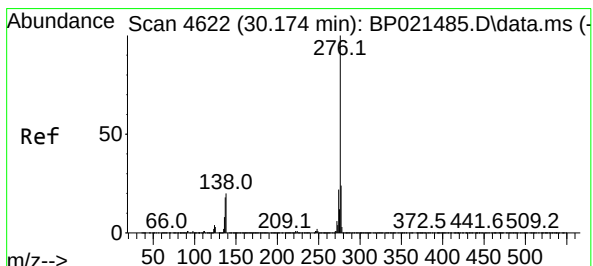
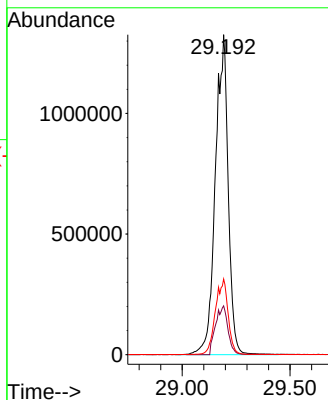
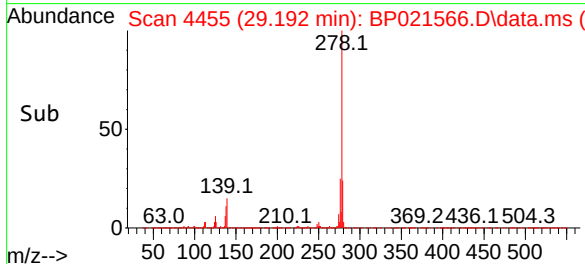
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



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

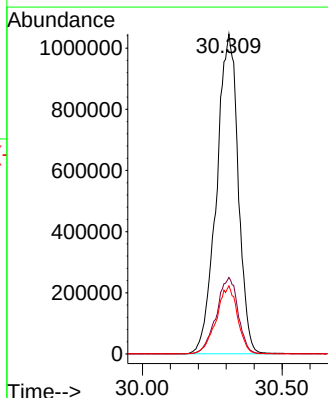
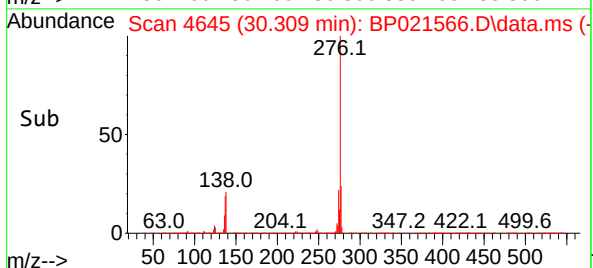
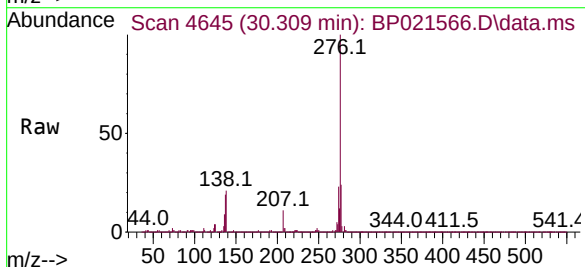
Manual Integrations
APPROVED

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	Benzydine	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)
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(#) = 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
Sample : SSTDCCC040
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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)
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	Benzydine	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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005

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	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JAC005
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.

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

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024

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

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

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024

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

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

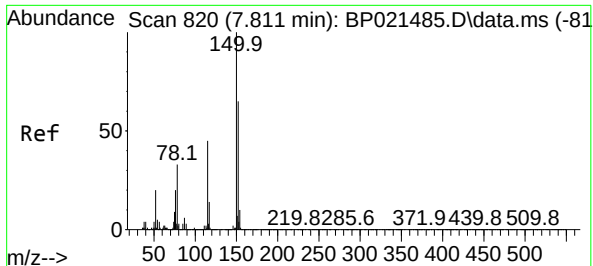
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024





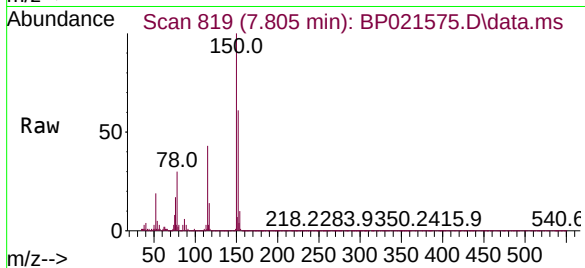
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

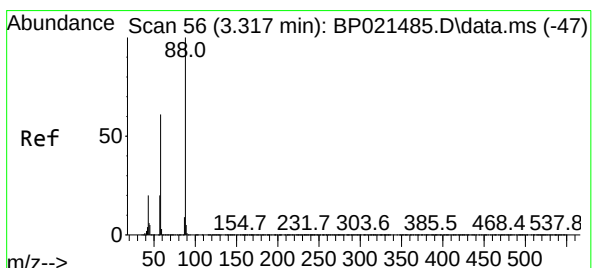
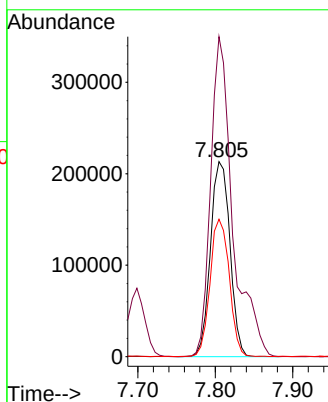
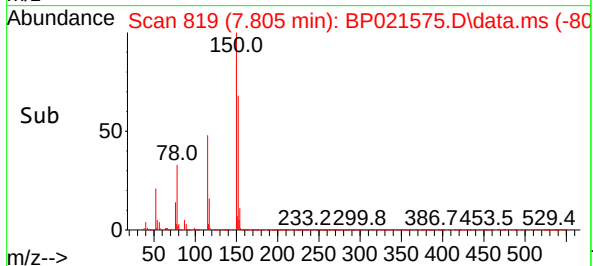
SSTDCCC040



Tgt Ion: 152 Resp: 372530
Ion Ratio Lower Upper
152 100
150 164.1 122.4 183.6
115 70.5 54.7 82.1

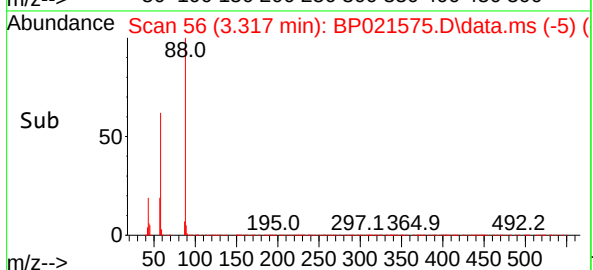
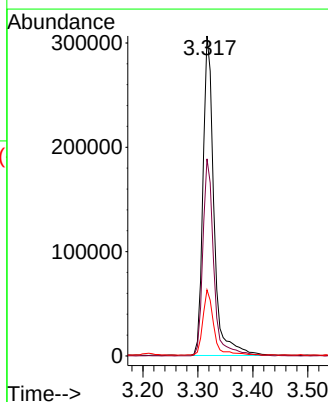
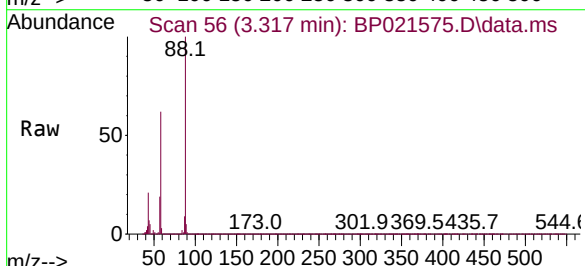
Manual Integrations
APPROVED

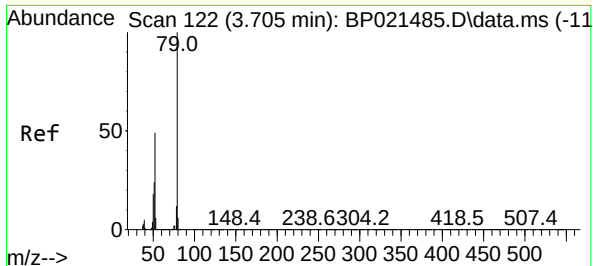
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





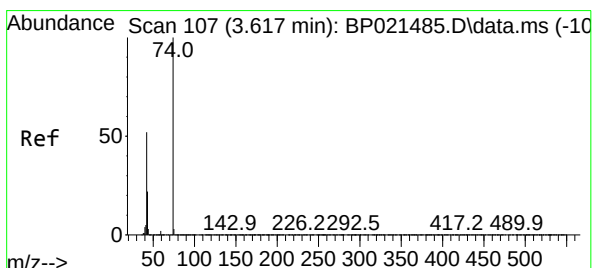
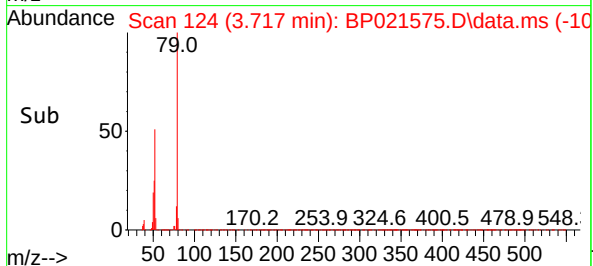
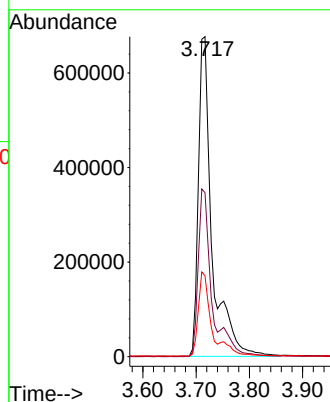
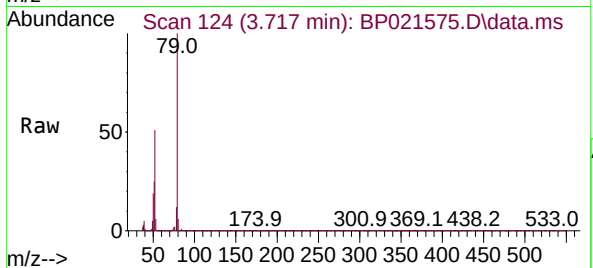
#3
Pyridine
Concen: 36.406 ng
RT: 3.717 min Scan# 11
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

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

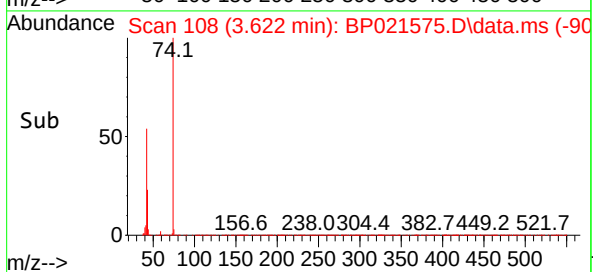
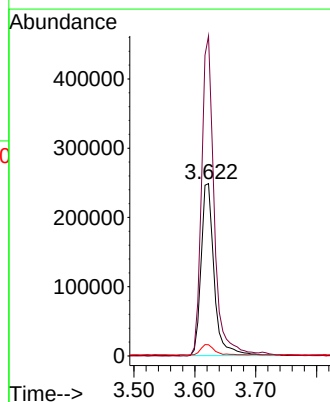
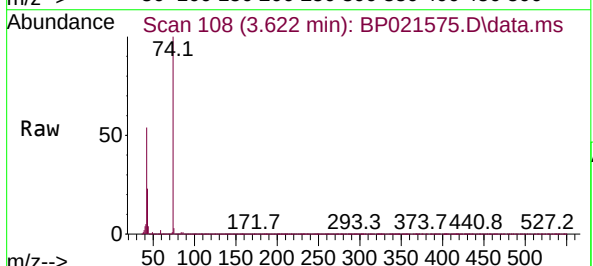
Manual Integrations
APPROVED

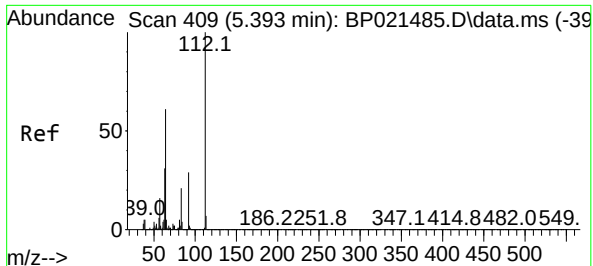
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

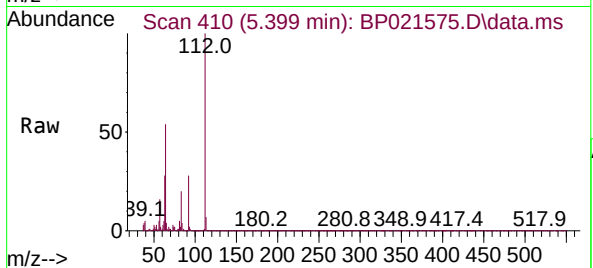
Tgt Ion: 42 Resp: 371373
Ion Ratio Lower Upper
42 100
74 185.7 154.3 231.5
44 6.5 6.2 9.4





#5
2-Fluorophenol
Concen: 81.506 ng
RT: 5.399 min Scan# 410
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

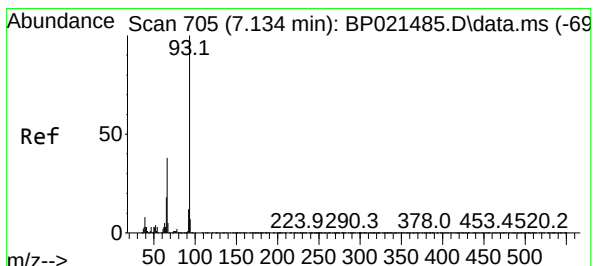
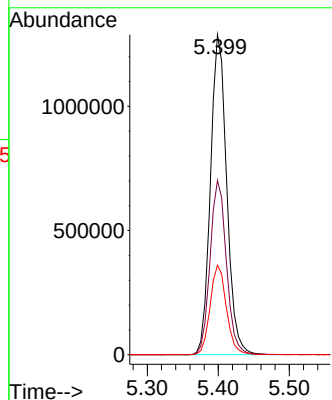
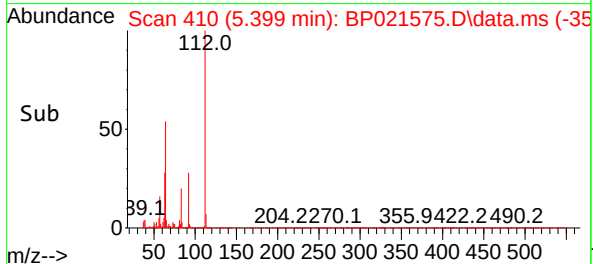
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:112 Resp: 2044869
Ion Ratio Lower Upper
112 100
64 54.4 49.0 73.6
63 27.9 24.6 36.8

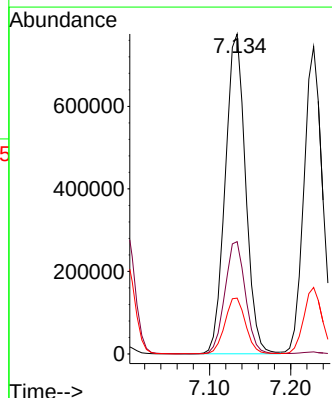
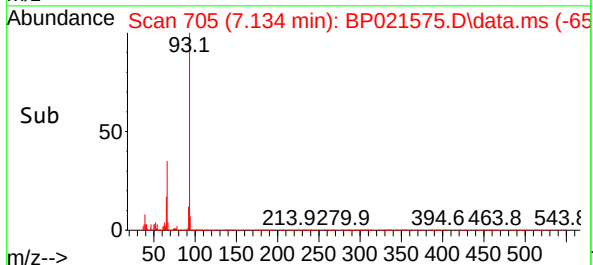
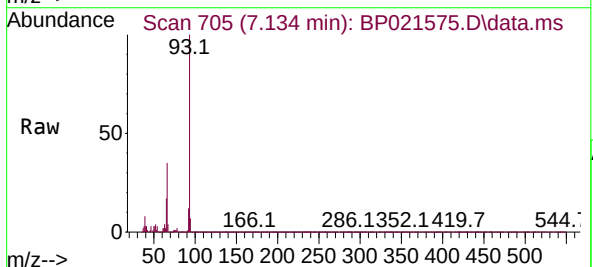
Manual Integrations
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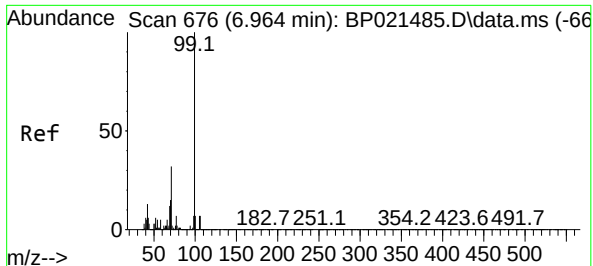
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 61

Delta R.T. 0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 99 Resp: 292847

Ion Ratio Lower Upper

99 100

42 12.4 10.2 15.4

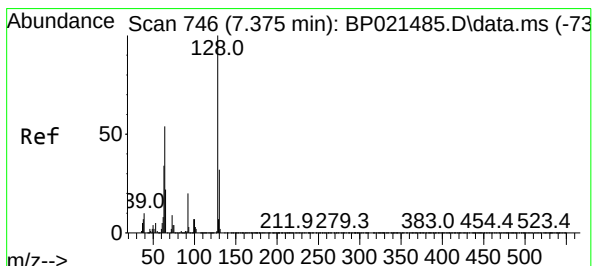
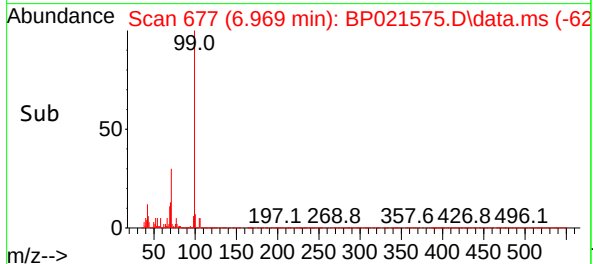
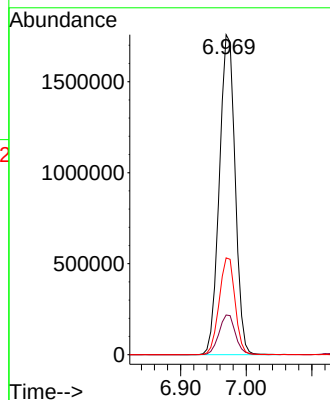
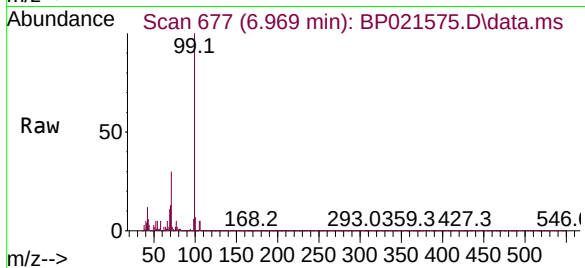
71 30.3 25.8 38.8

Manual Integrations

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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

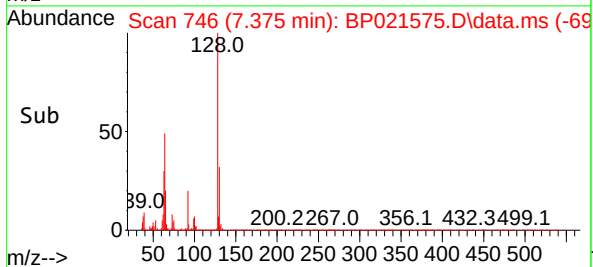
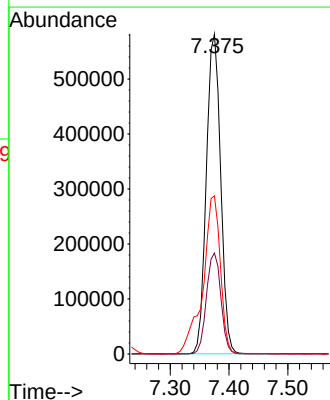
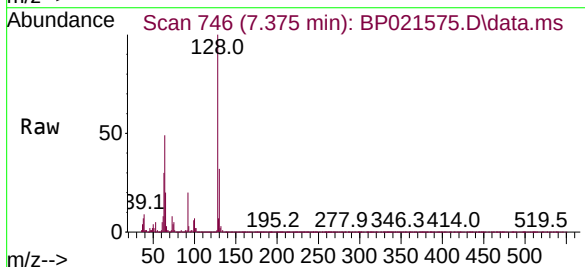
Tgt Ion:128 Resp: 979003

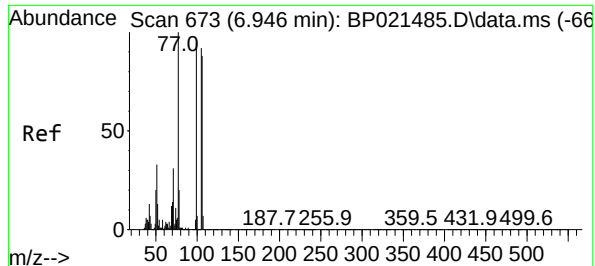
Ion Ratio Lower Upper

128 100

130 31.6 11.6 51.6

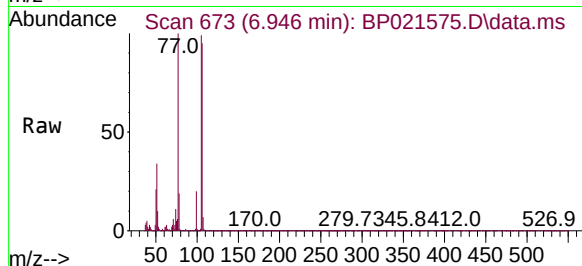
64 49.4 35.3 75.3





#9
Benzaldehyde
Concen: 44.262 ng
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

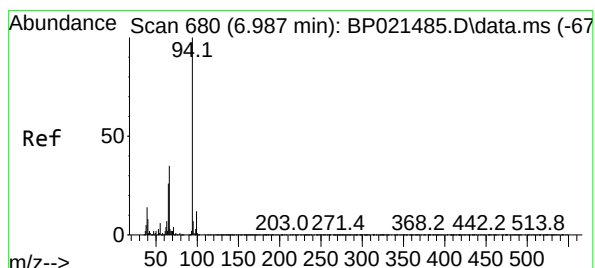
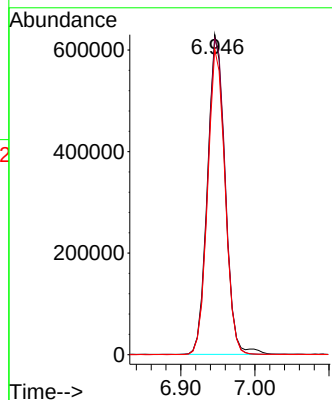
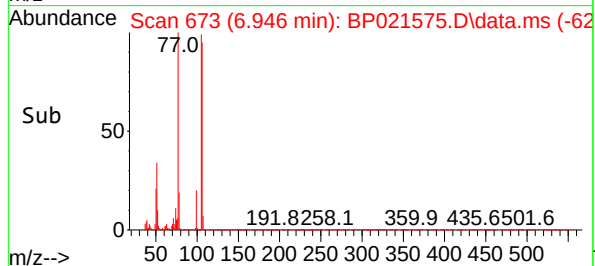
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



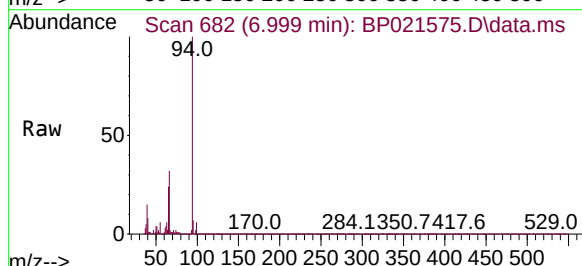
Tgt Ion: 77 Resp: 1037198
Ion Ratio Lower Upper
77 100
105 98.7 72.1 112.1
106 95.4 67.9 107.9

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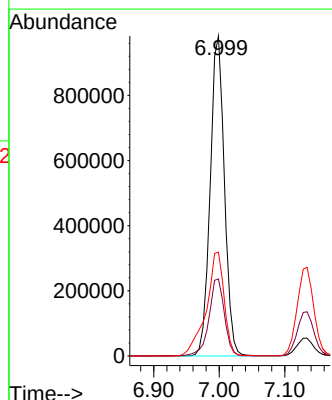
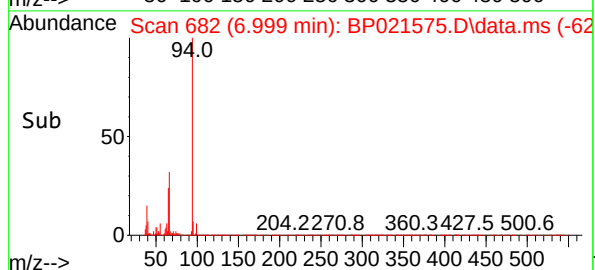
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

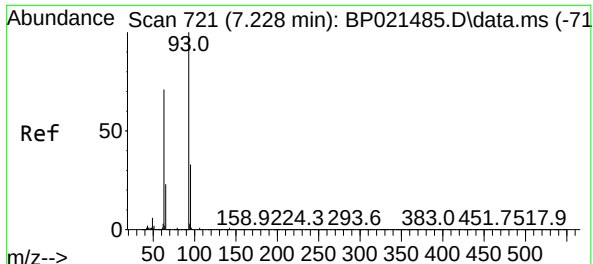


#10
Phenol
Concen: 39.093 ng
RT: 6.999 min Scan# 682
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40



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# 721

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 93 Resp: 117231

Ion Ratio Lower Upper

93 100

63 66.1 51.0 91.0

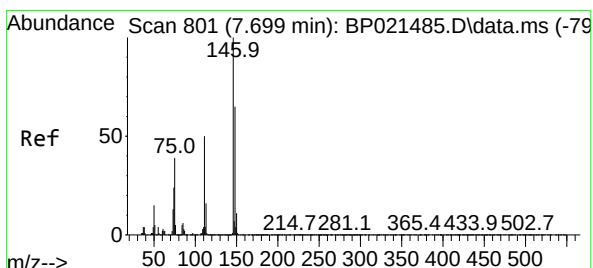
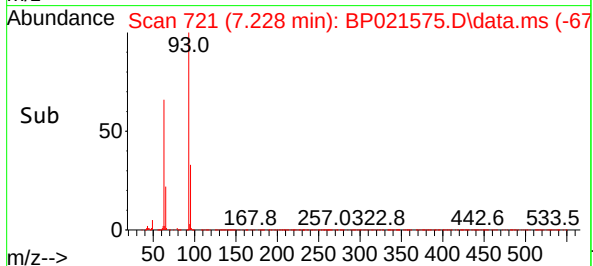
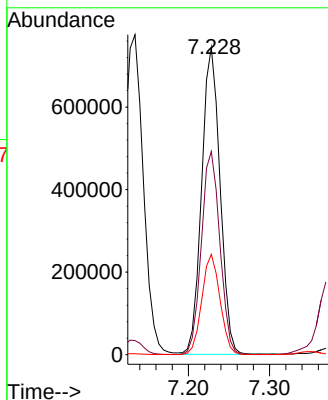
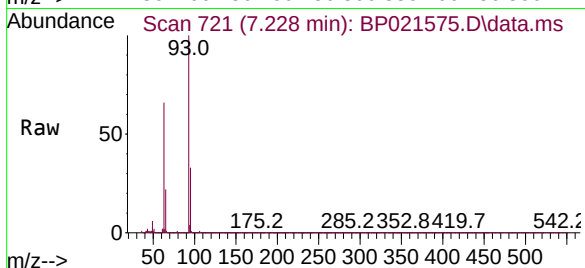
95 32.6 12.9 52.9

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

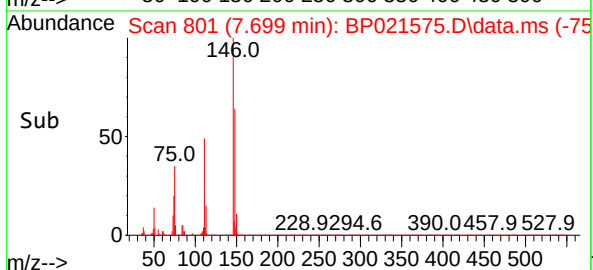
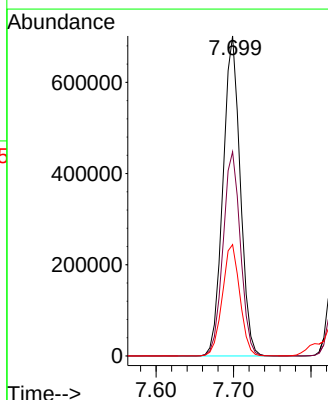
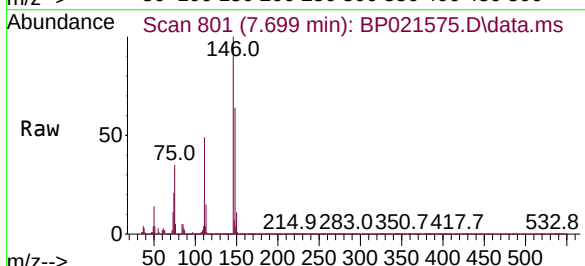
Tgt Ion:146 Resp: 1084084

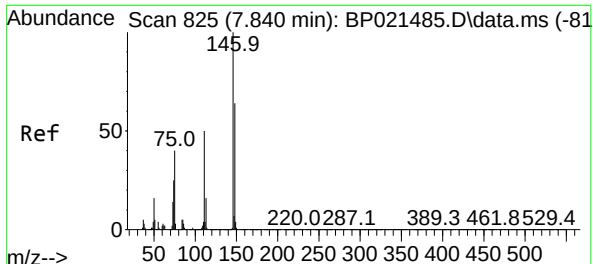
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:146 Resp: 1102920

Ion Ratio Lower Upper

146 100

148 64.2 51.5 77.3

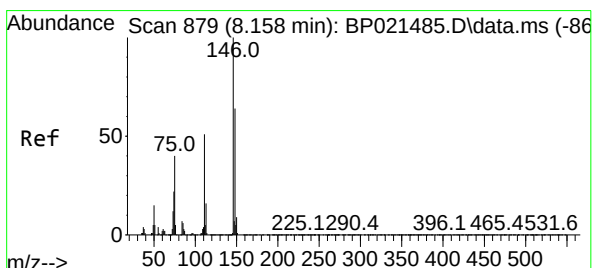
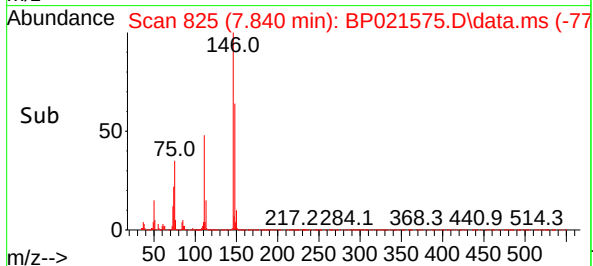
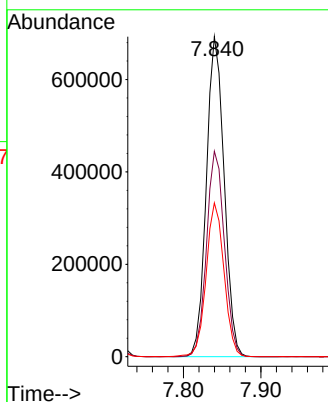
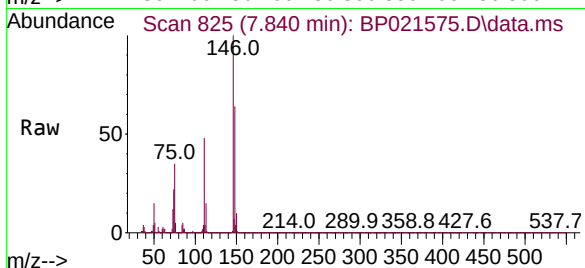
111 48.0 40.3 60.5

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

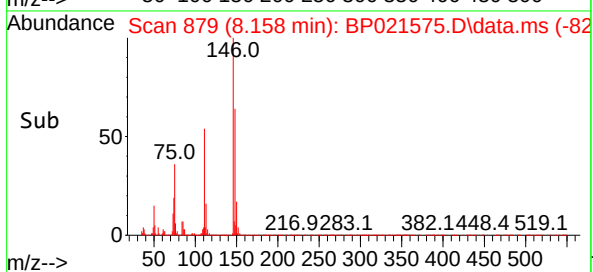
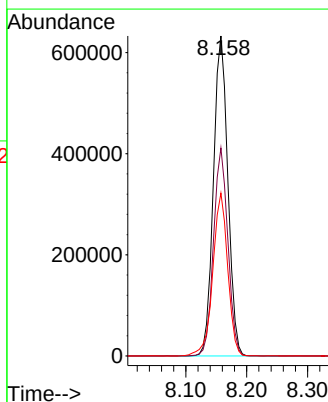
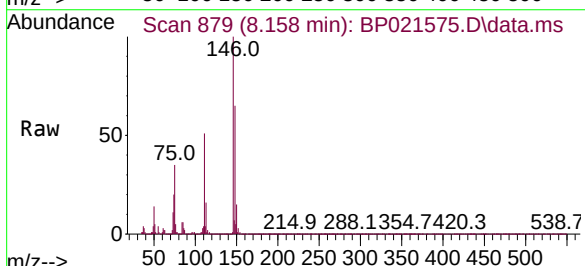
Tgt Ion:146 Resp: 1043542

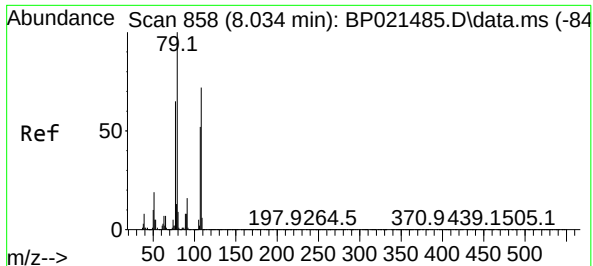
Ion Ratio Lower Upper

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# 858

Delta R.T. 0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 79 Resp: 101554

Ion Ratio Lower Upper

79 100

108 78.3 57.9 86.9

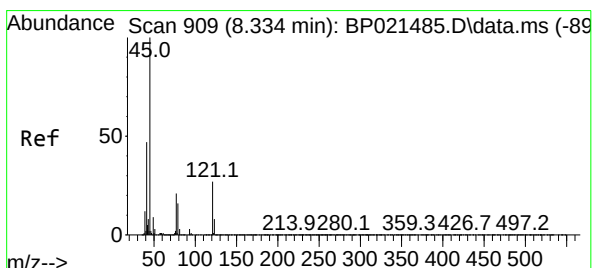
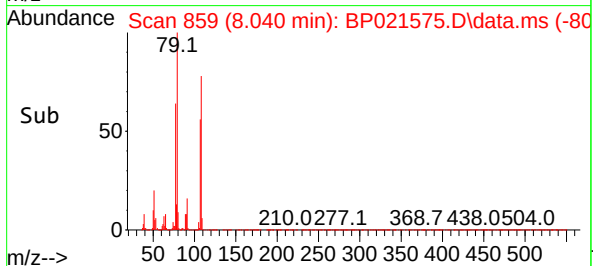
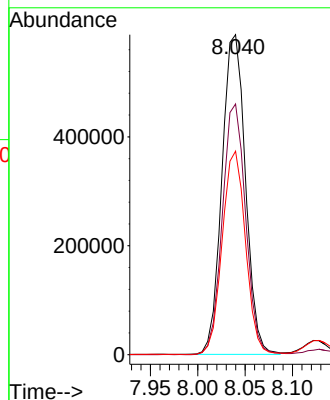
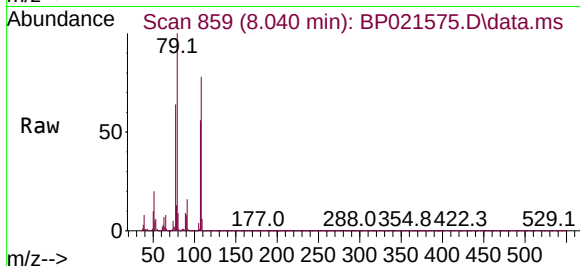
77 63.6 51.8 77.8

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: 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

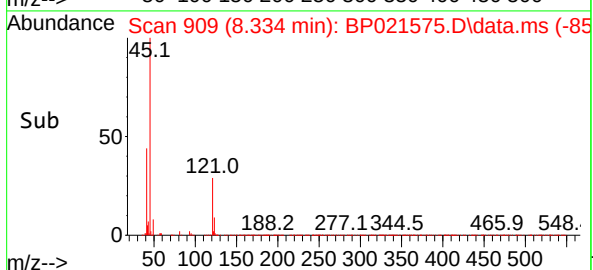
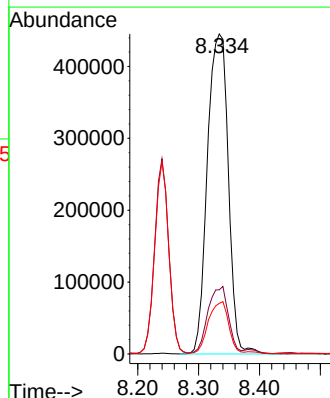
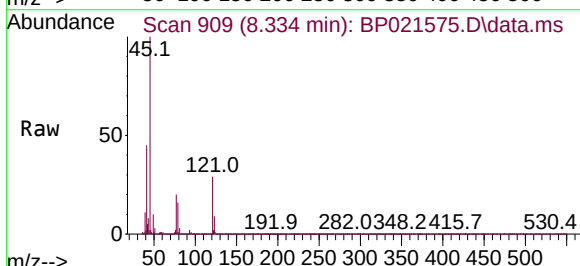
Tgt Ion: 45 Resp: 1061205

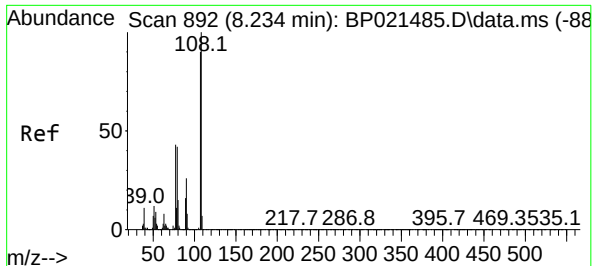
Ion Ratio Lower Upper

45 100

77 20.0 1.9 41.9

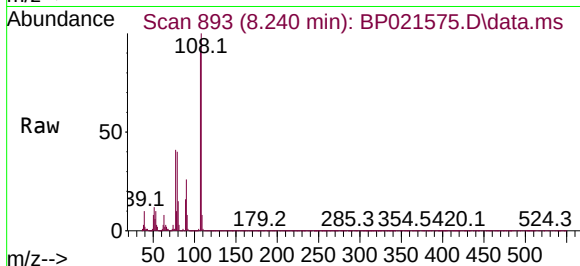
79 15.8 0.0 36.6





#17
2-Methylphenol
Concen: 40.769 ng
RT: 8.240 min Scan# 892
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

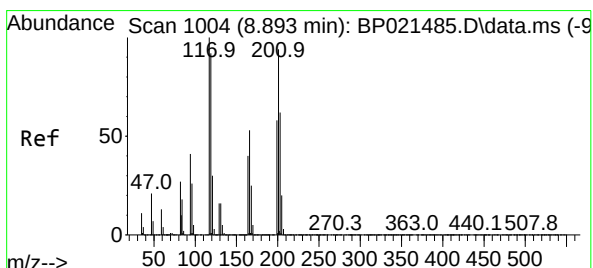
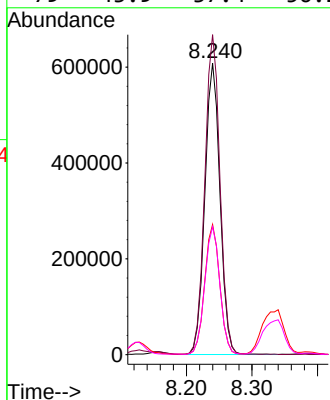
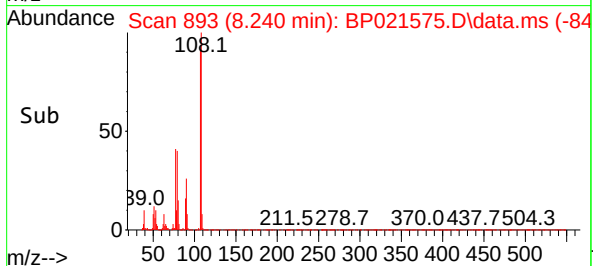
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



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

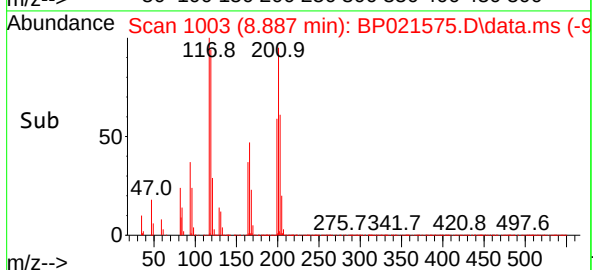
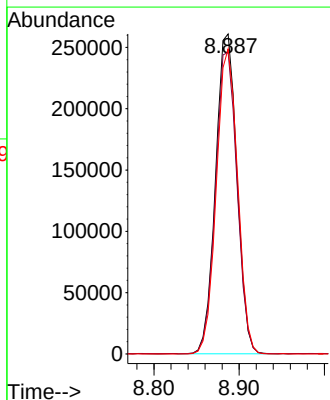
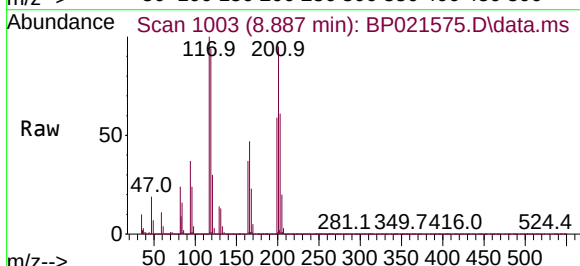
Manual Integrations
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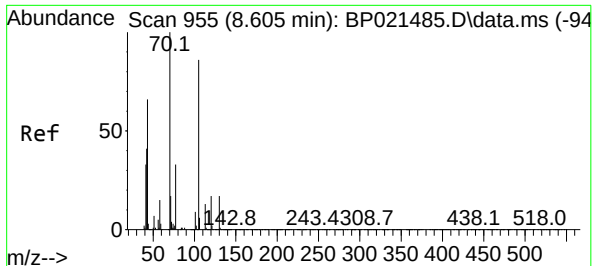
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 91

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 850374

Ion Ratio Lower Upper

70 100

42 43.9 33.1 49.7

101 10.7 7.4 11.2

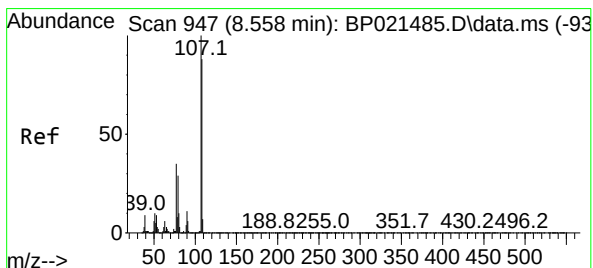
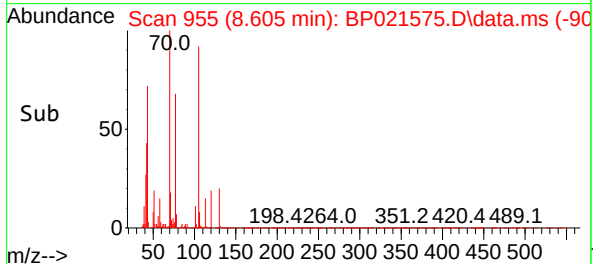
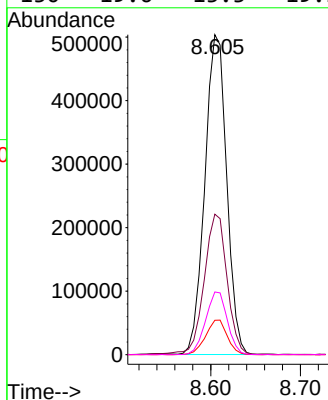
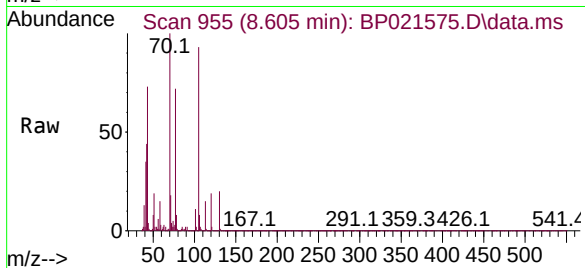
130 19.6 13.3 19.9

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: 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

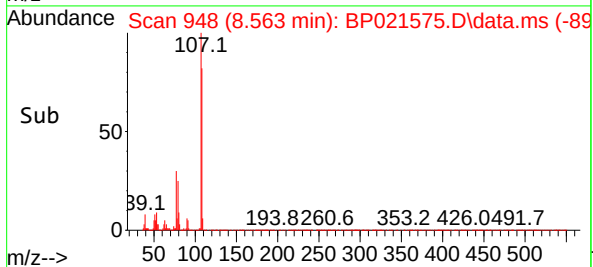
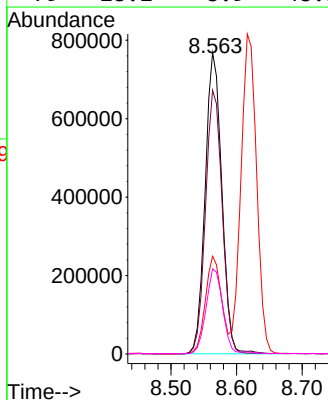
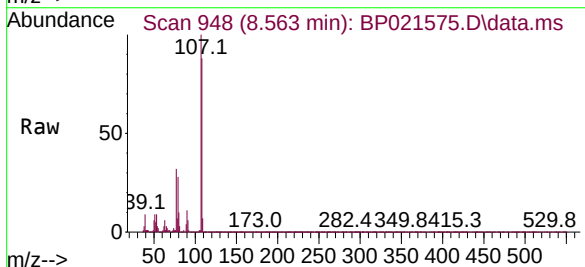
Ion Ratio Lower Upper

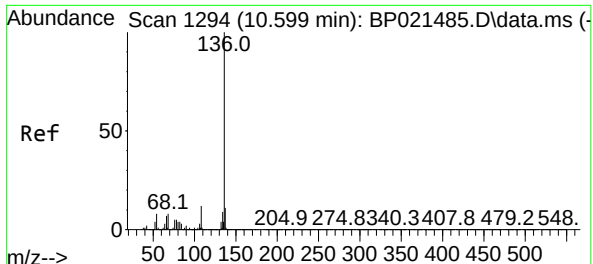
107 100

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# 1294

Delta R.T. -0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

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

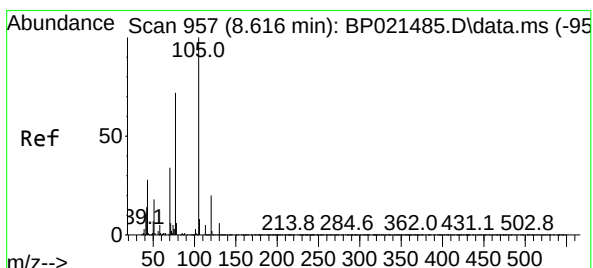
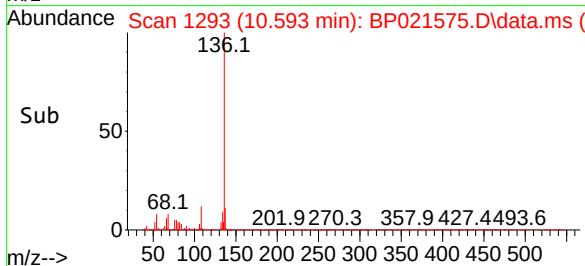
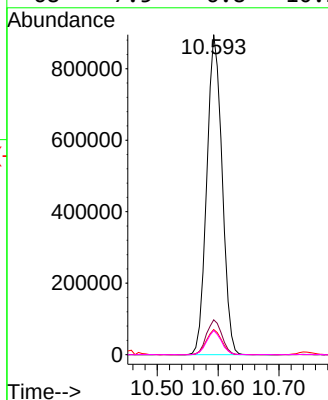
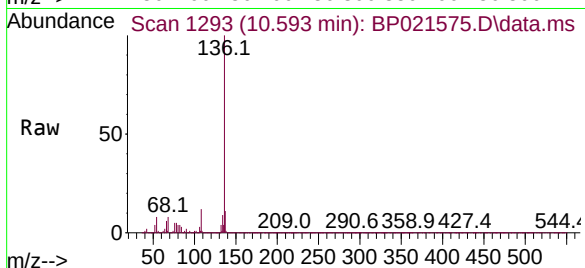
68 7.5 6.8 10.2

Manual Integrations

APPROVED

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

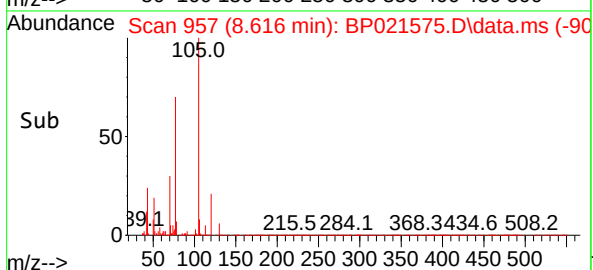
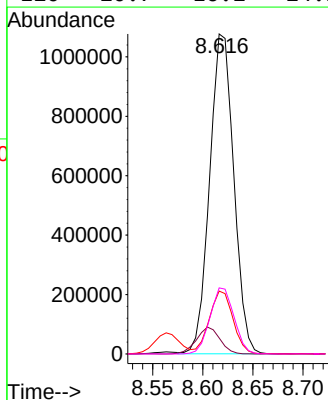
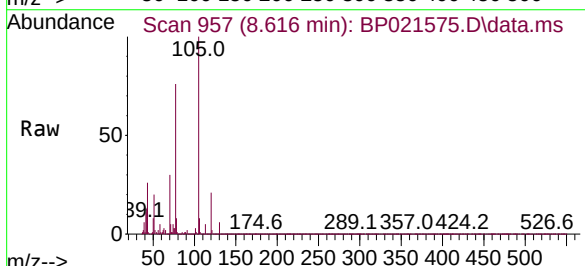
Ion Ratio Lower Upper

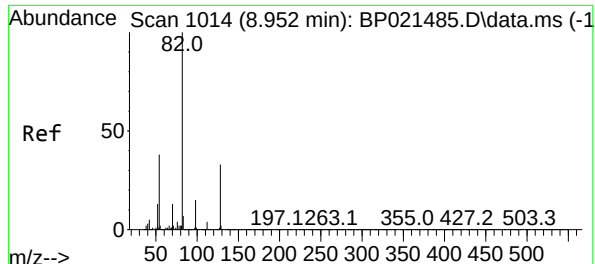
105 100

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# 1014

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 2633490

Ion Ratio Lower Upper

82 100

128 37.8 26.5 39.7

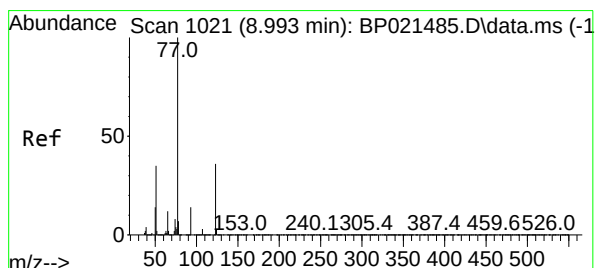
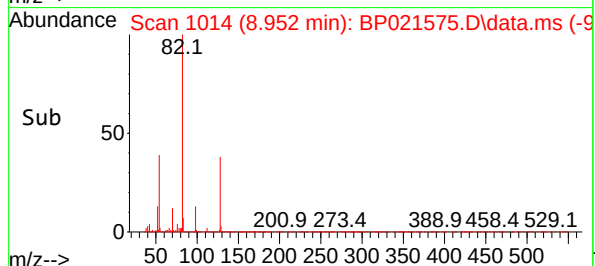
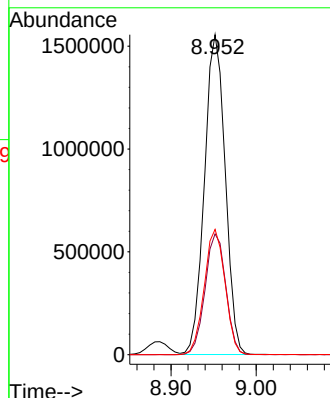
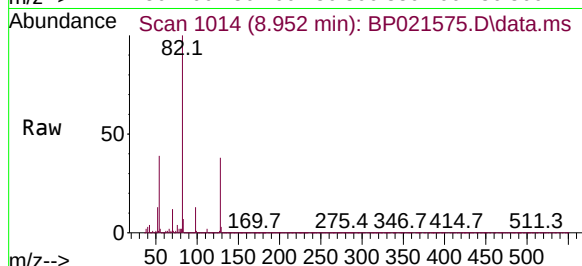
54 39.1 30.3 45.5

Manual Integrations

APPROVED

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

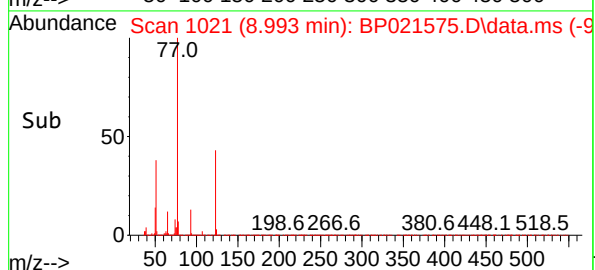
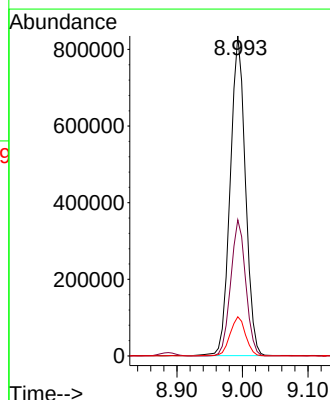
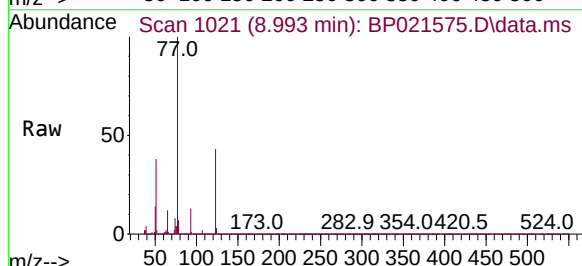
Tgt Ion: 77 Resp: 1345015

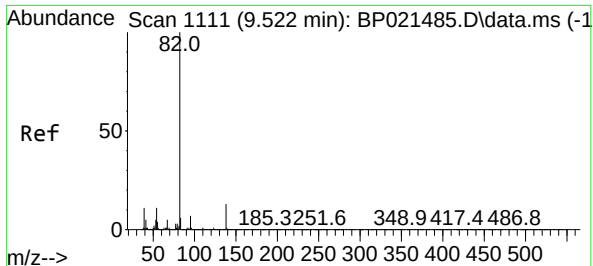
Ion Ratio Lower Upper

77 100

123 42.6 29.5 44.3

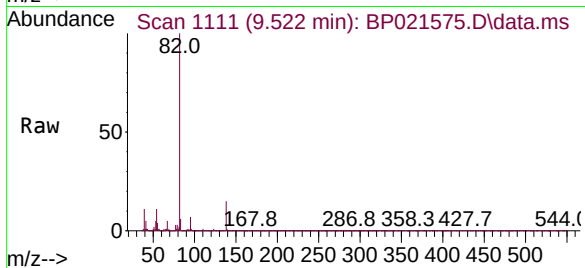
65 12.3 9.9 14.9





#25
Isophorone
Concen: 35.467 ng
RT: 9.522 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

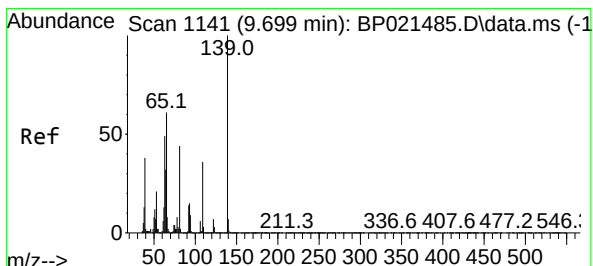
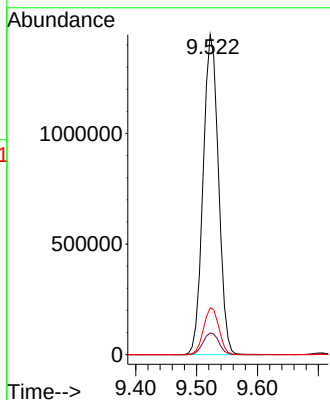
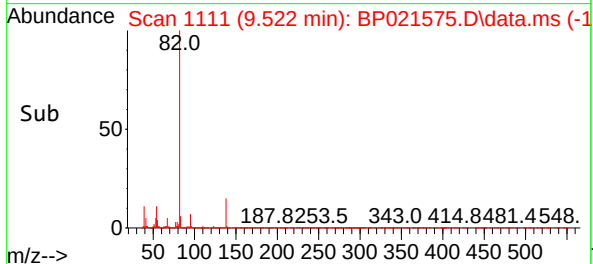
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



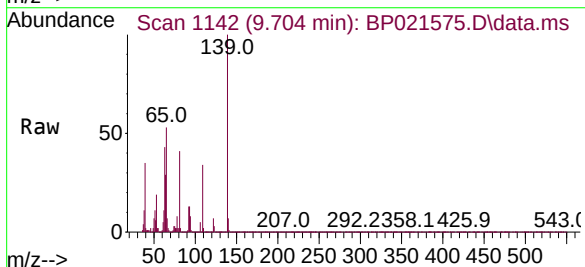
Tgt Ion: 82 Resp: 253849
Ion Ratio Lower Upper
82 100
95 6.8 5.4 8.2
138 14.7 10.6 16.0

Manual Integrations
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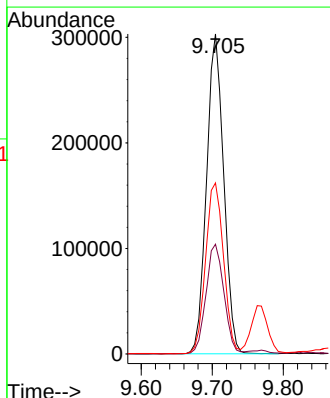
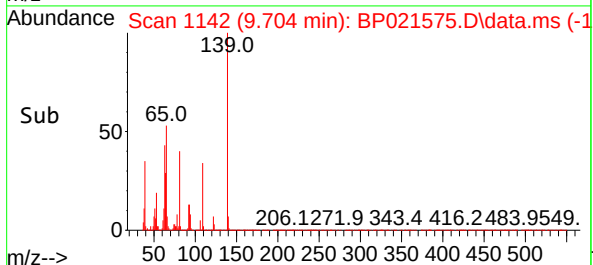
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

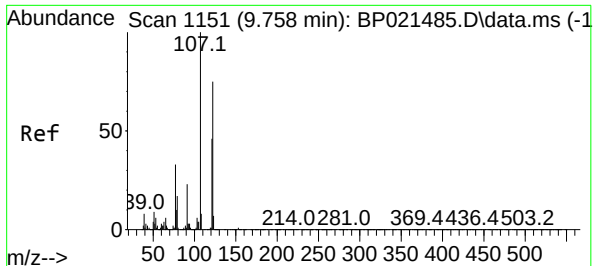


#26
2-Nitrophenol
Concen: 56.363 ng
RT: 9.704 min Scan# 1142
Delta R.T. 0.005 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40



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# 1151

Delta R.T. 0.012 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:122 Resp: 711129

Ion Ratio Lower Upper

122 100

107 129.7 106.2 159.4

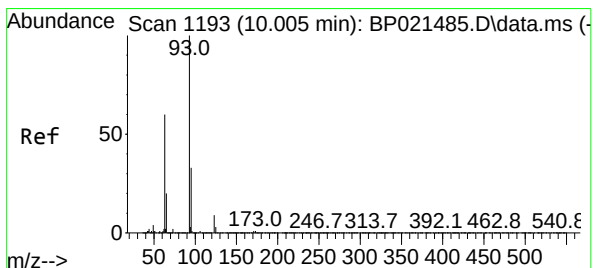
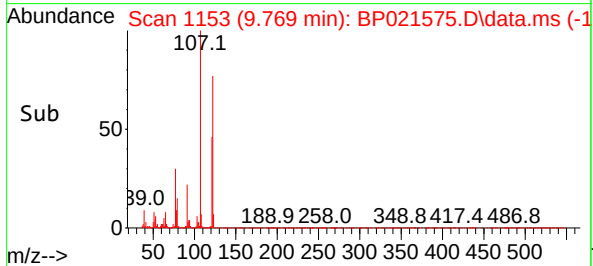
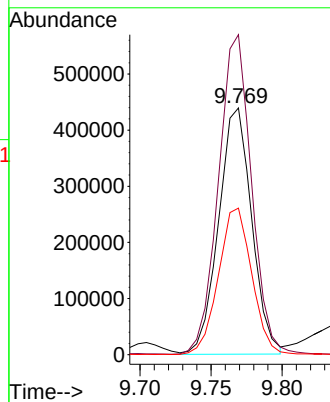
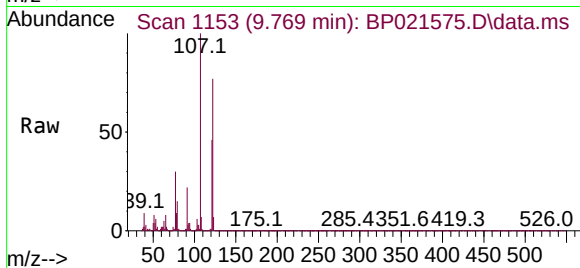
121 59.4 48.8 73.2

Manual Integrations

APPROVED

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

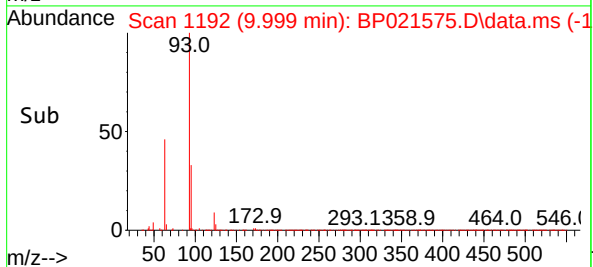
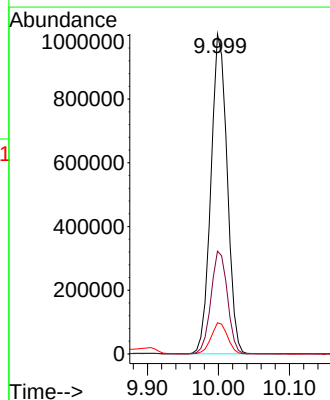
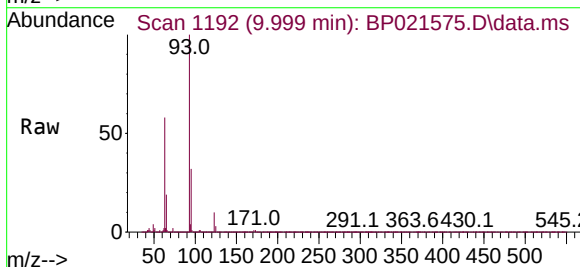
Tgt Ion: 93 Resp: 1593547

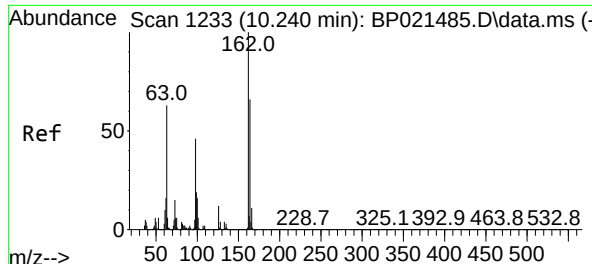
Ion Ratio Lower Upper

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# 1233

Delta R.T. -0.000 min

Lab File: BP021575.D

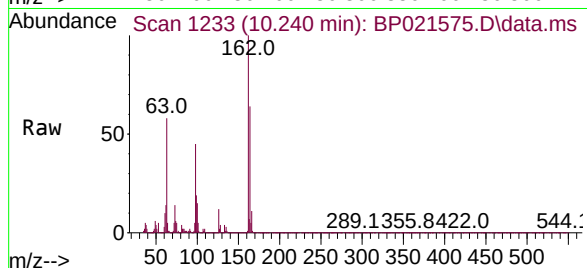
Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040



Tgt Ion:162 Resp: 94743

Ion Ratio Lower Upper

162 100

164 63.8 45.9 85.9

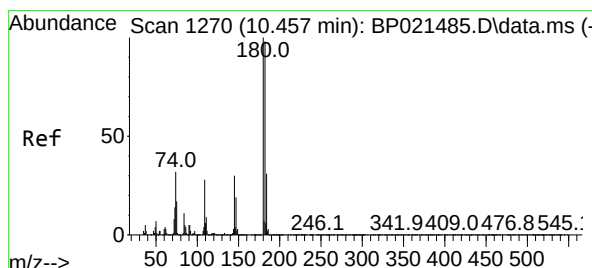
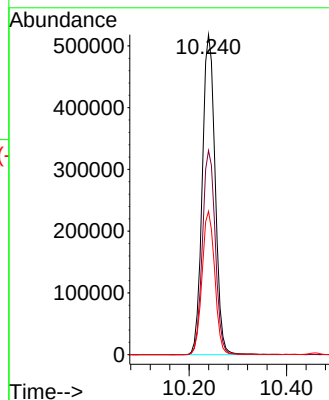
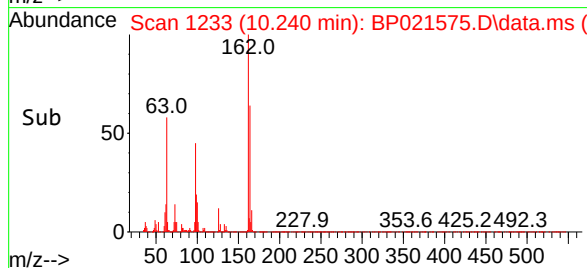
98 44.8 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#30

1,2,4-Trichlorobenzene

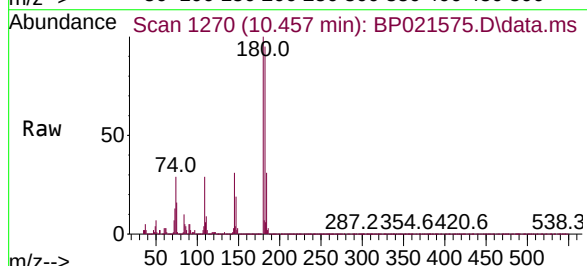
Concen: 38.758 ng

RT: 10.457 min Scan# 1270

Delta R.T. -0.000 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40



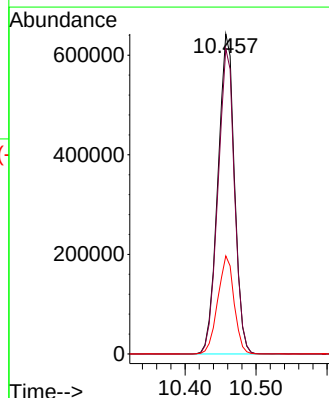
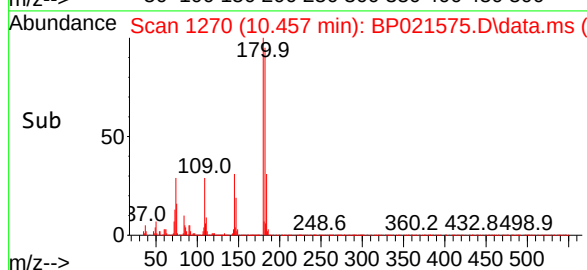
Tgt Ion:180 Resp: 1037019

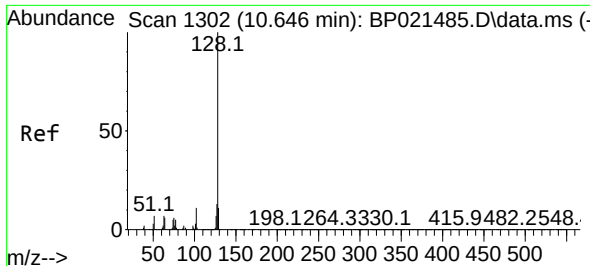
Ion Ratio Lower Upper

180 100

182 95.4 78.3 117.5

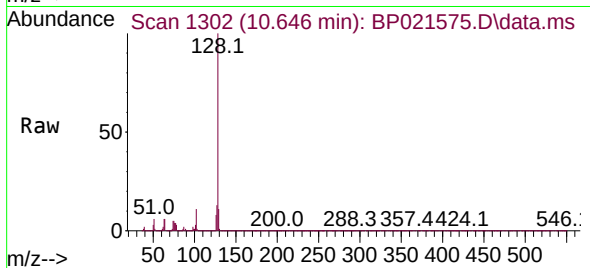
145 30.7 24.0 36.0





#31
Naphthalene
Concen: 39.419 ng
RT: 10.646 min Scan# 1176
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

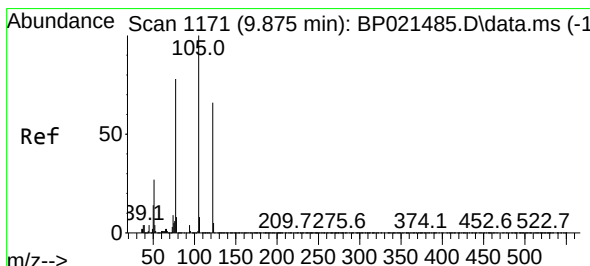
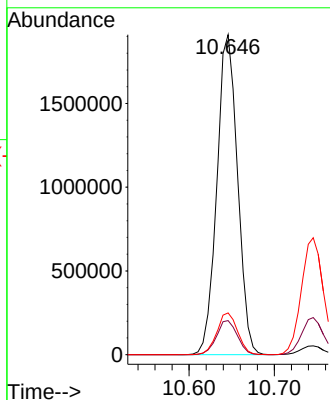
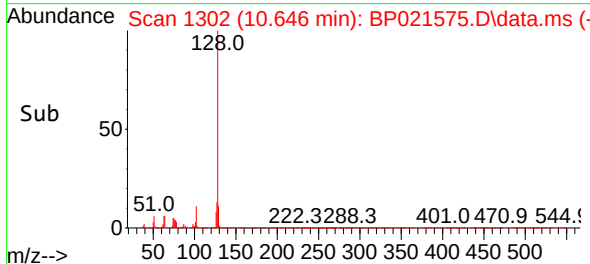
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



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

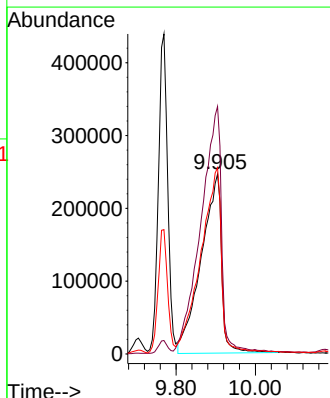
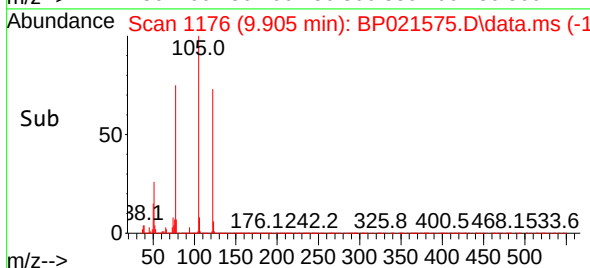
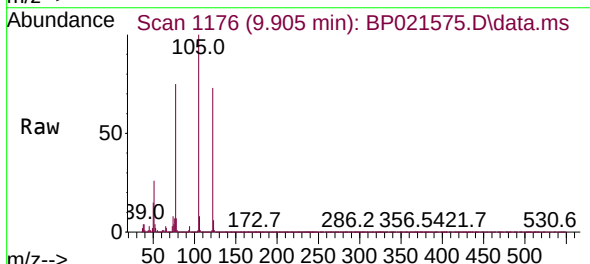
Manual Integrations
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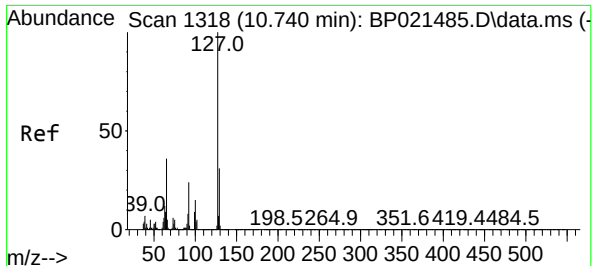
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

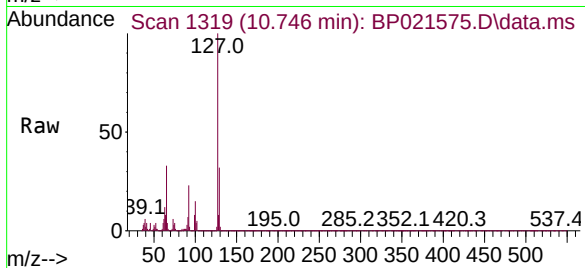
Tgt Ion:122 Resp: 875031
Ion Ratio Lower Upper
122 100
105 137.7 124.6 164.6
77 103.6 96.2 136.2





#33
4-Chloroaniline
Concen: 40.788 ng
RT: 10.746 min Scan# 1318
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

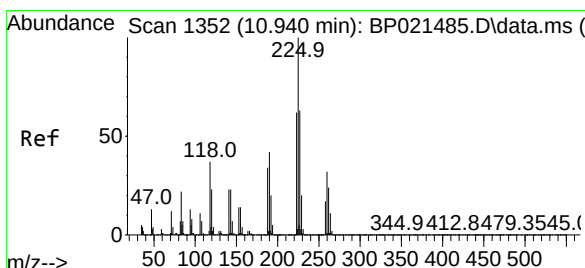
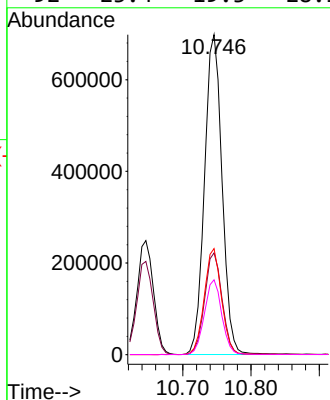
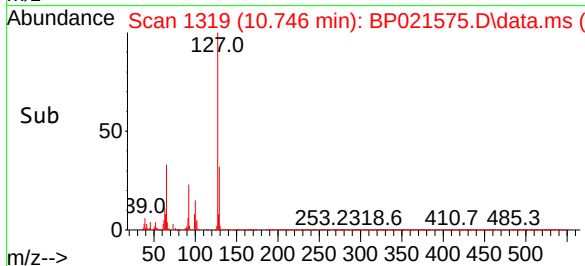
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



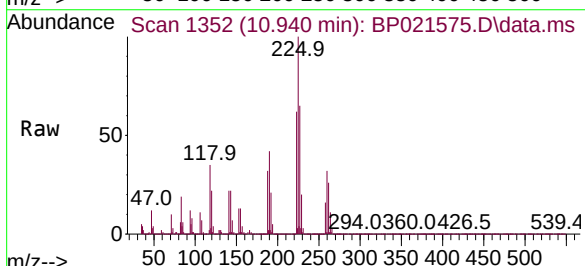
Tgt Ion:127 Resp: 125160
Ion Ratio Lower Upper
127 100
129 31.8 24.5 36.7
65 33.2 28.9 43.3
92 23.4 19.3 28.9

Manual Integrations
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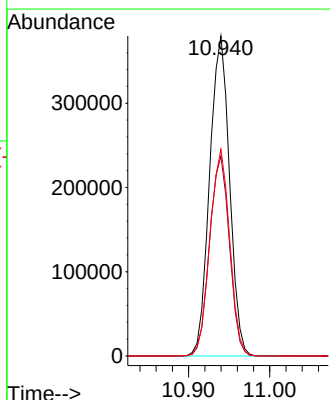
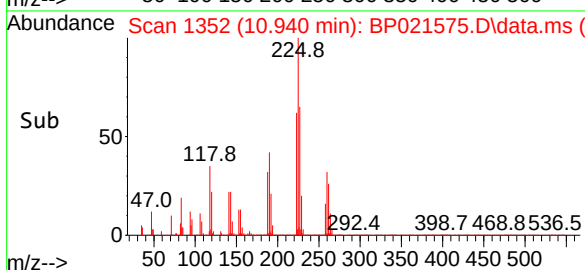
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

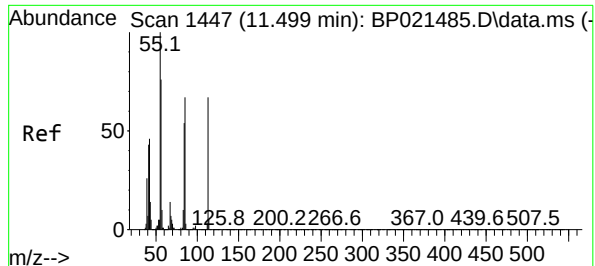


#34
Hexachlorobutadiene
Concen: 38.319 ng
RT: 10.940 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40



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# 1447

Delta R.T. 0.035 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:113 Resp: 416030

Ion Ratio Lower Upper

113 100

55 133.6 130.6 170.6

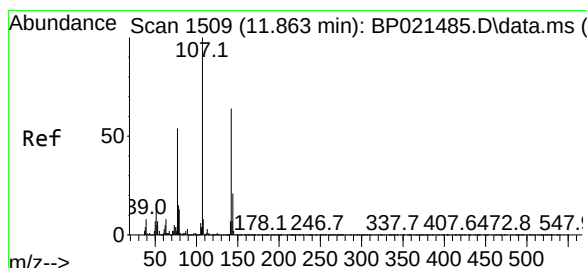
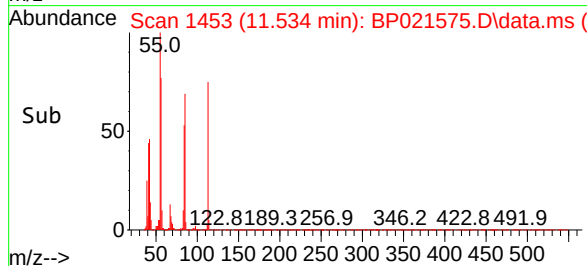
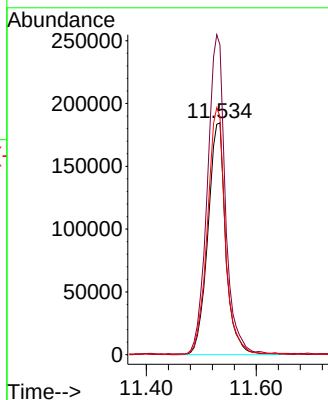
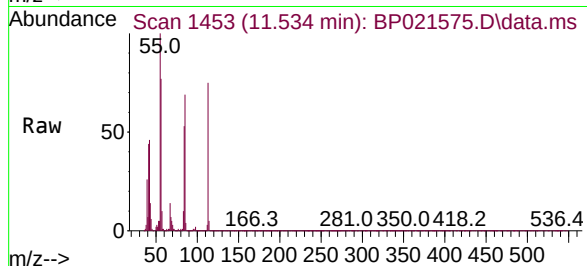
56 102.6 94.6 134.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#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

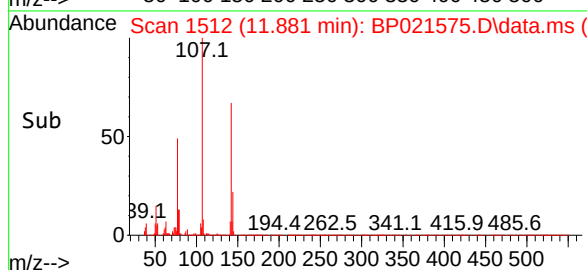
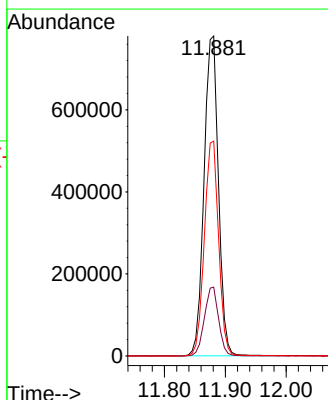
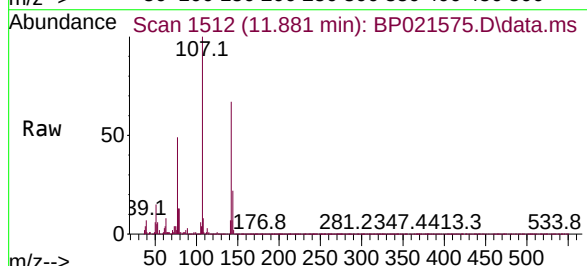
Tgt Ion:107 Resp: 1284015

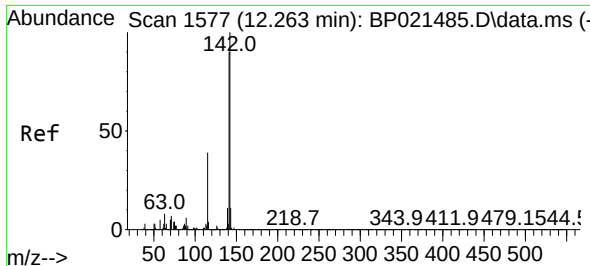
Ion Ratio Lower Upper

107 100

144 21.5 16.6 24.8

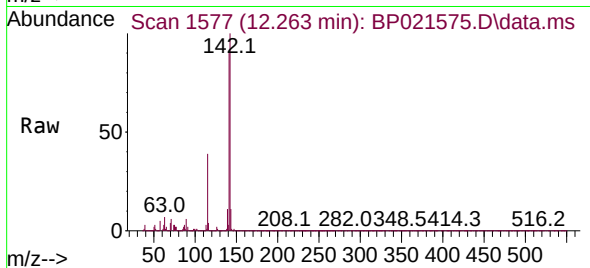
142 67.2 51.0 76.4





#37
2-Methylnaphthalene
Concen: 39.219 ng
RT: 12.263 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

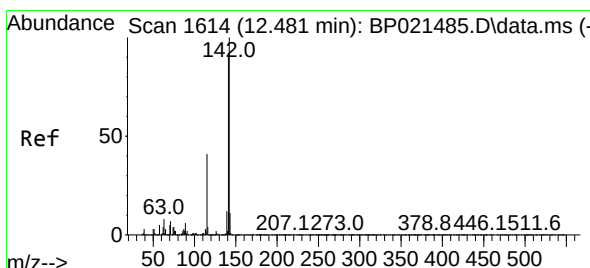
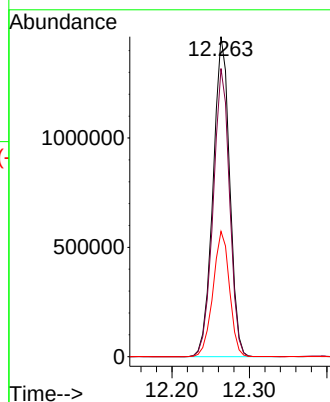
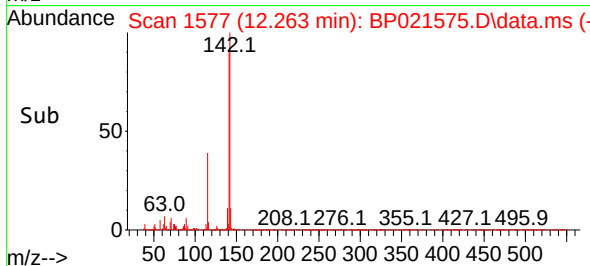
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



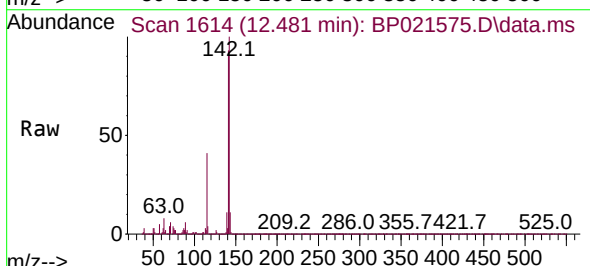
Tgt Ion:142 Resp: 2186594
Ion Ratio Lower Upper
142 100
141 90.0 71.7 107.5
115 39.1 31.4 47.2

Manual Integrations
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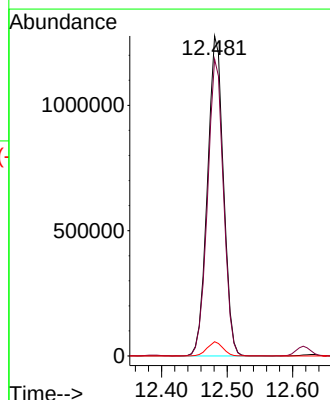
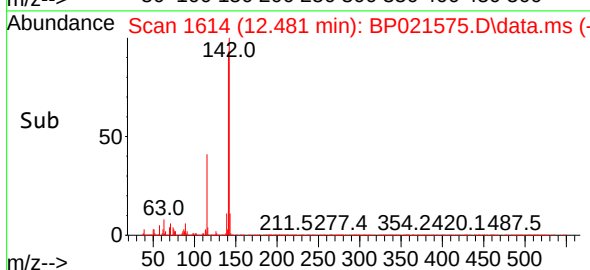
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

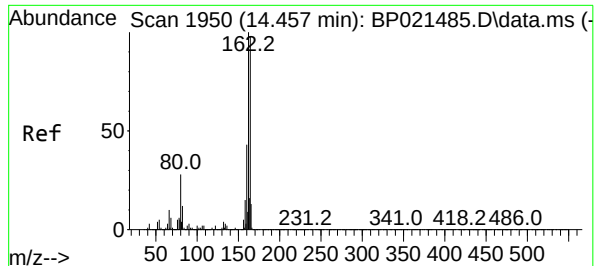


#38
1-Methylnaphthalene
Concen: 39.399 ng
RT: 12.481 min Scan# 1614
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40



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# 1950

Delta R.T. 0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:164 Resp: 1068840

Ion Ratio Lower Upper

164 100

162 100.1 81.5 122.3

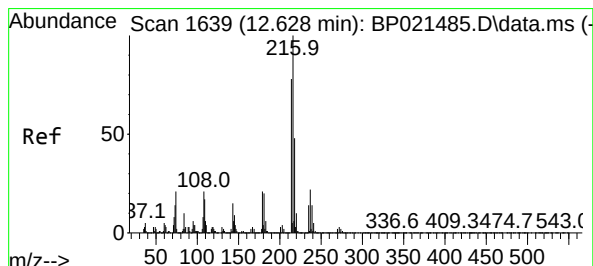
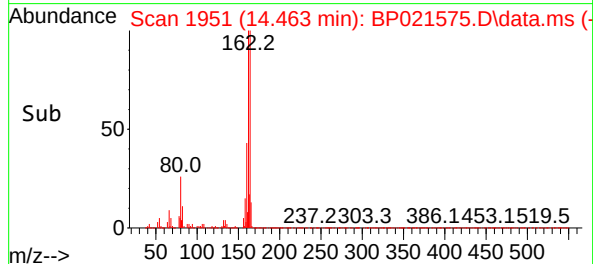
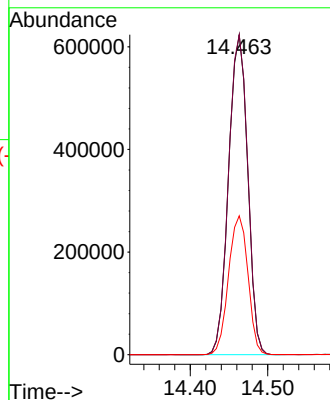
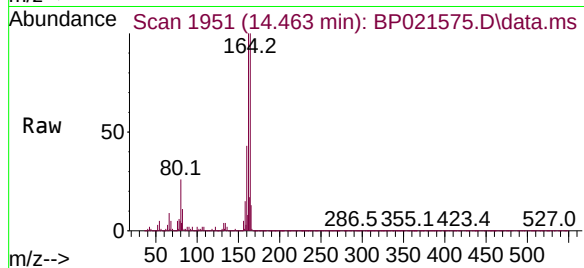
160 43.4 35.2 52.8

Manual Integrations

APPROVED

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

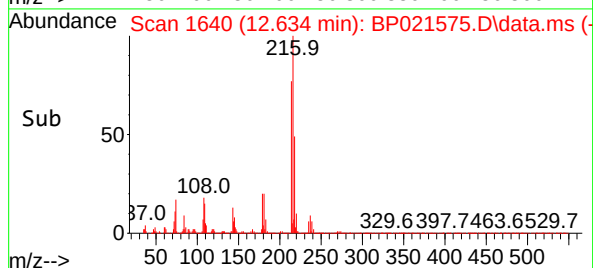
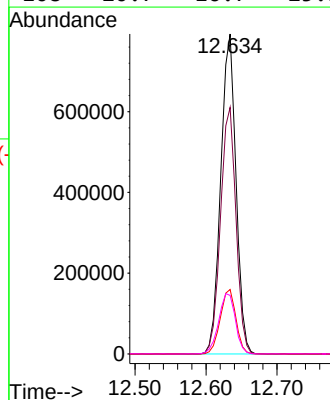
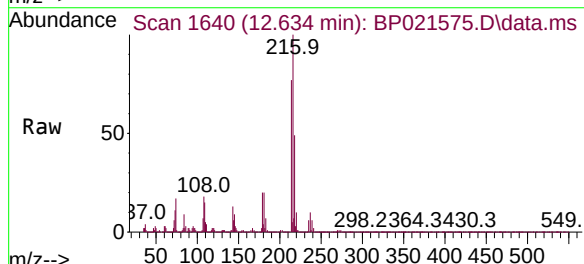
Ion Ratio Lower Upper

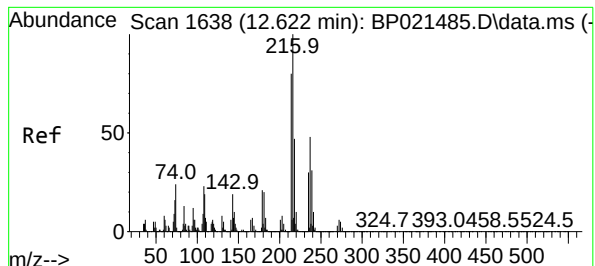
216 100

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# 1637

Delta R.T. -0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:237 Resp: 464850

Ion Ratio Lower Upper

237 100

235 63.4 43.9 83.9

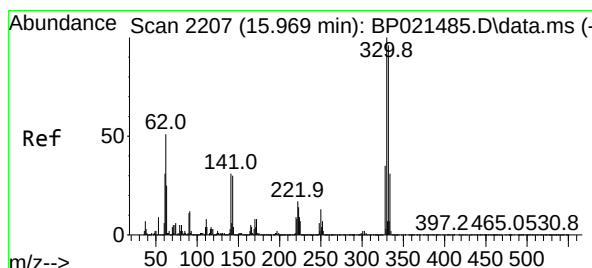
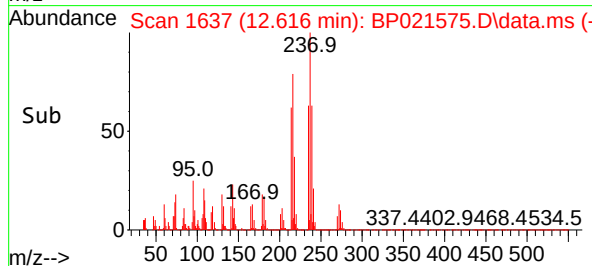
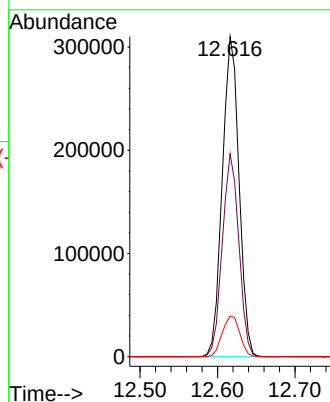
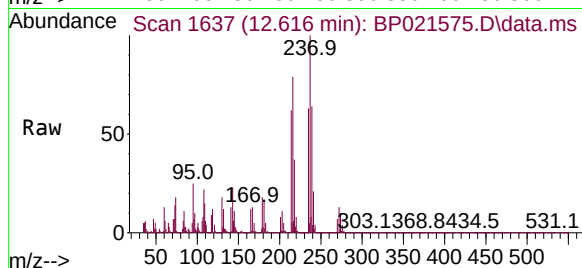
272 12.7 0.0 33.3

Manual Integrations

APPROVED

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

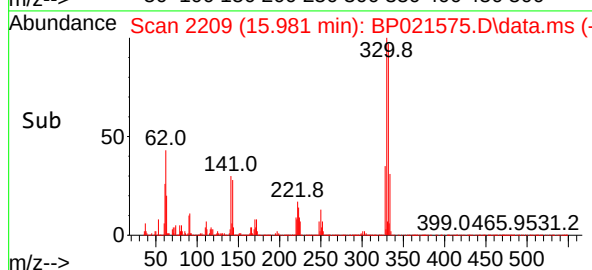
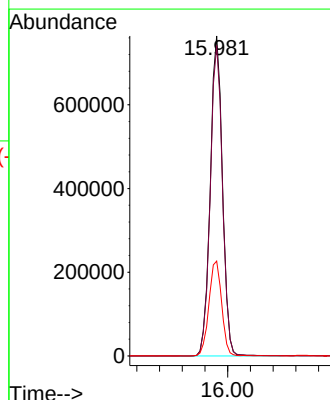
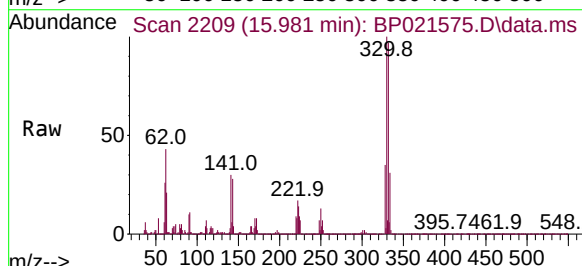
Tgt Ion:330 Resp: 1133914

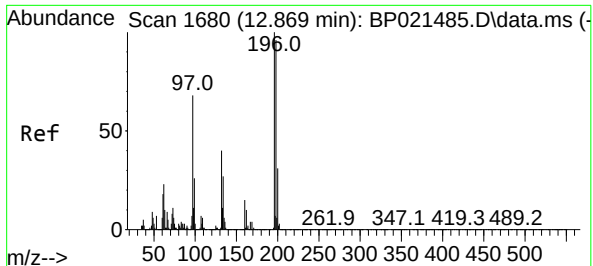
Ion Ratio Lower Upper

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# 1681
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

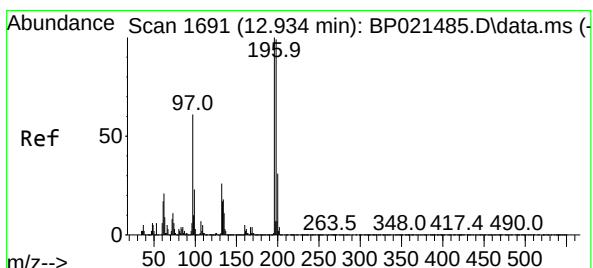
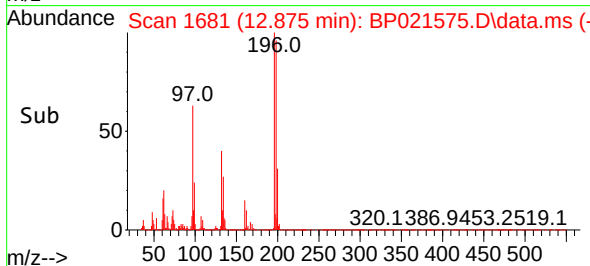
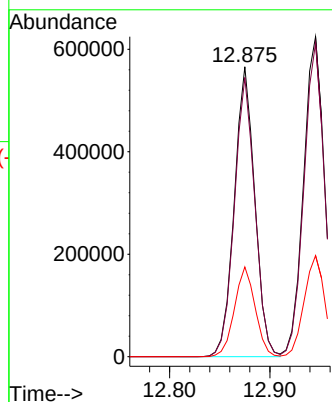
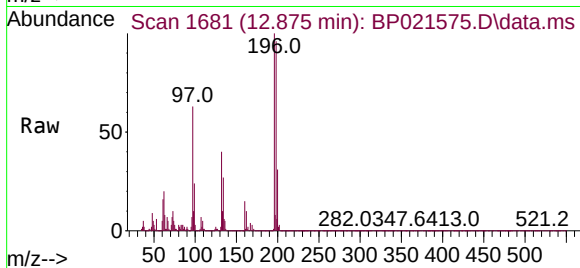
ClientSampleId :

SSTDCCC040

Tgt Ion:196 Resp: 805218
Ion Ratio Lower Upper
196 100
198 96.3 76.6 114.8
200 30.9 24.5 36.7

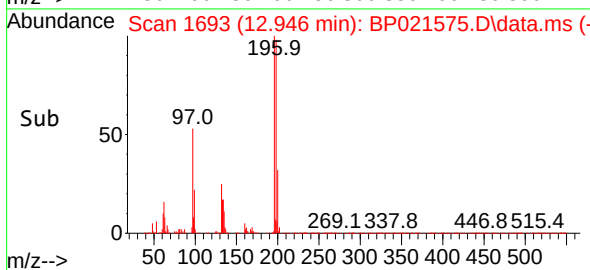
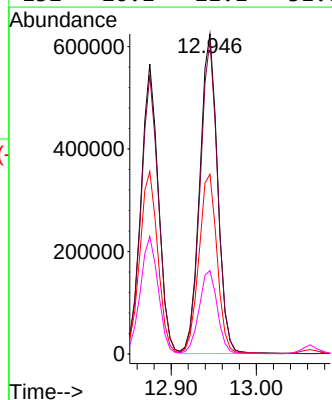
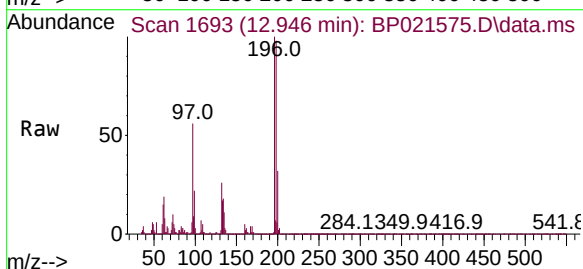
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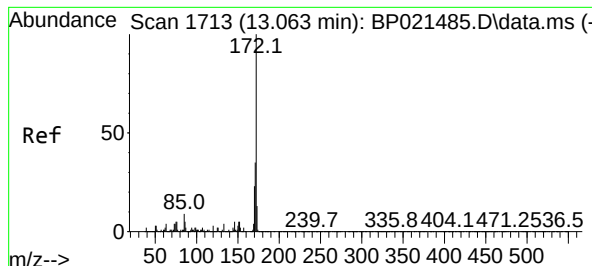
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 1713
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

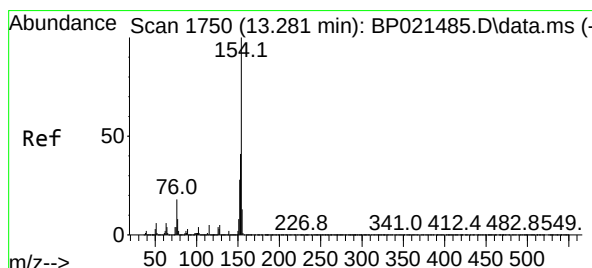
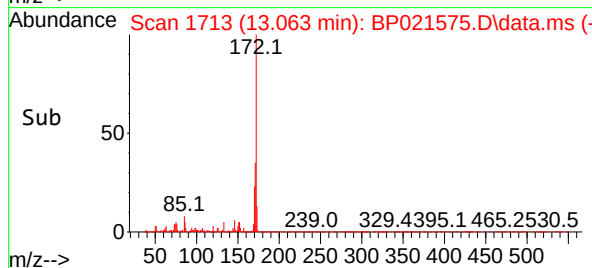
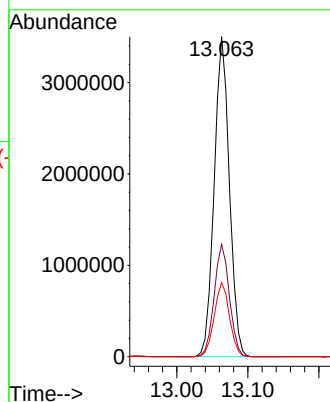
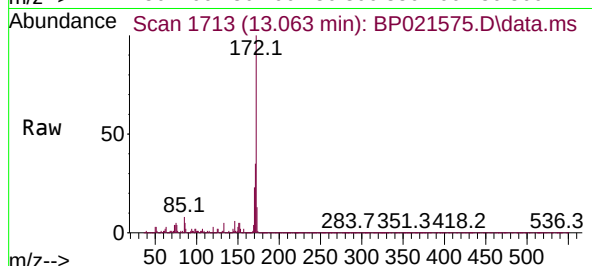
ClientSampleId :

SSTDCCC040

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

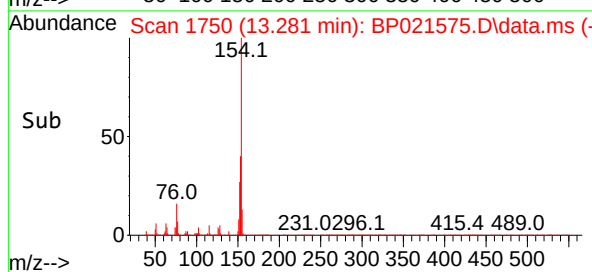
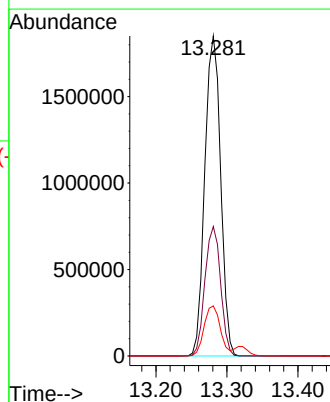
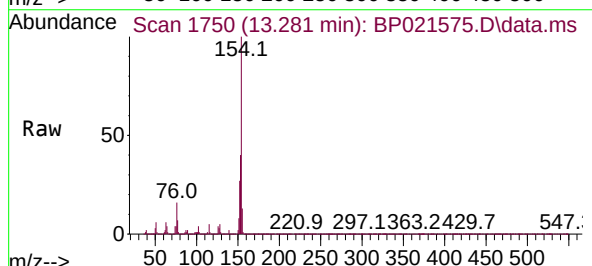
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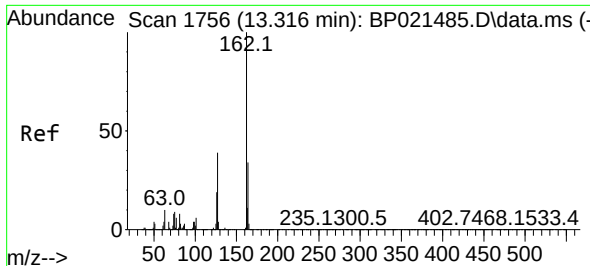
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





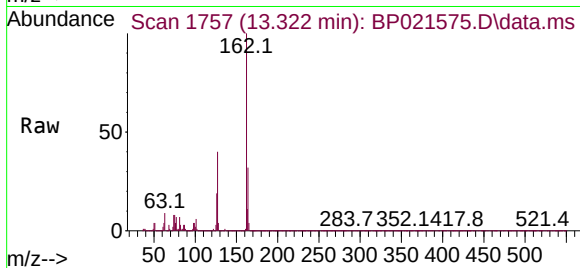
#47
2-Chloronaphthalene
Concen: 38.359 ng
RT: 13.322 min Scan# 1756
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

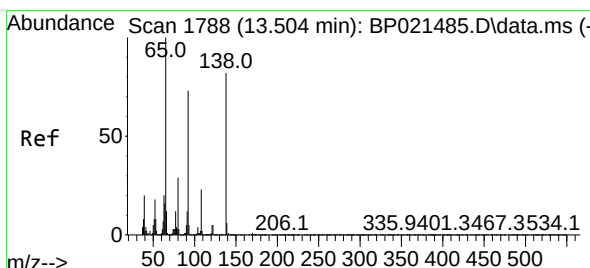
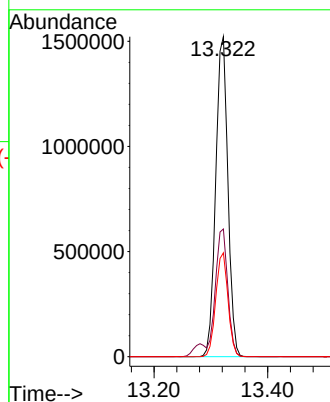
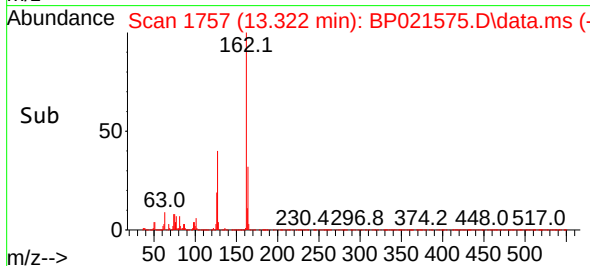


Tgt Ion:162 Resp: 225835
Ion Ratio Lower Upper
162 100
127 39.9 31.9 47.9
164 32.4 26.8 40.2

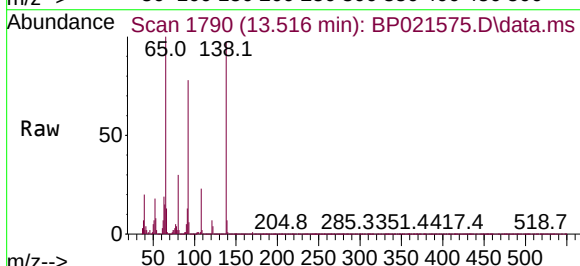
Manual Integrations
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Reviewed By :Yogesh Patel 08/21/2024

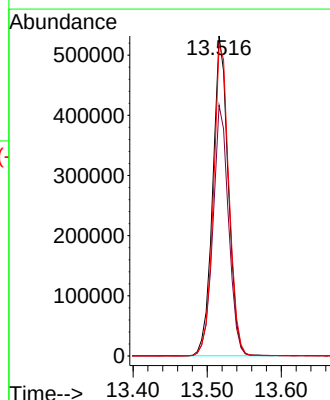
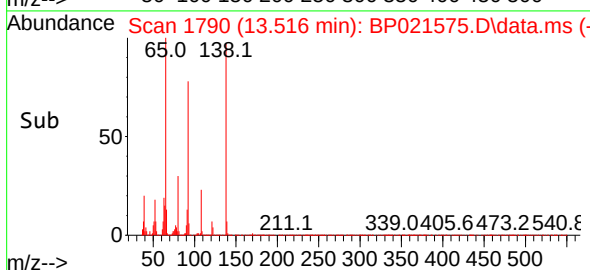
Supervised By :mohammad ahmed 08/22/2024

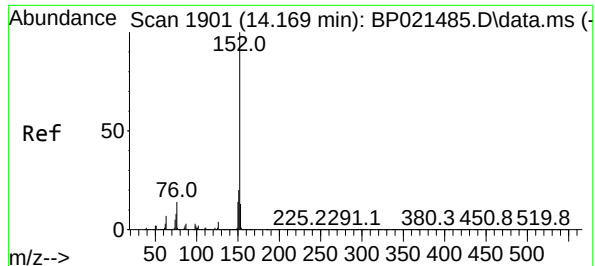


#48
2-Nitroaniline
Concen: 47.126 ng
RT: 13.516 min Scan# 1790
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40



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# 1903

Delta R.T. 0.012 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 341261

Ion Ratio Lower Upper

152 100

151 19.8 15.9 23.9

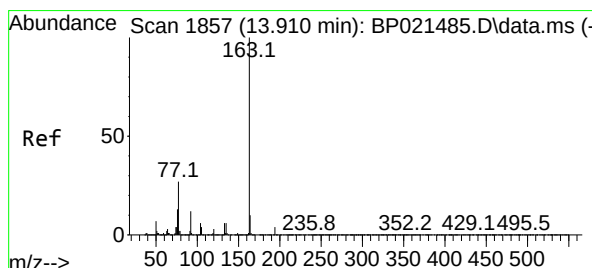
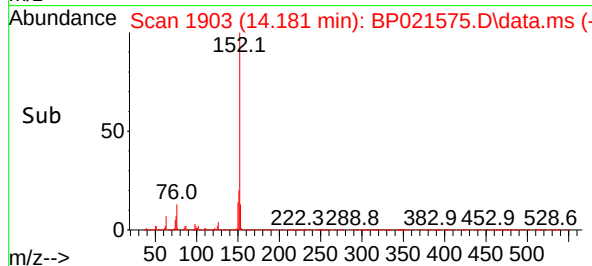
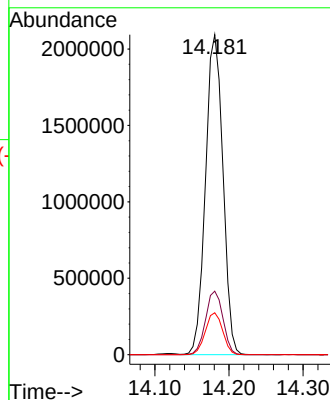
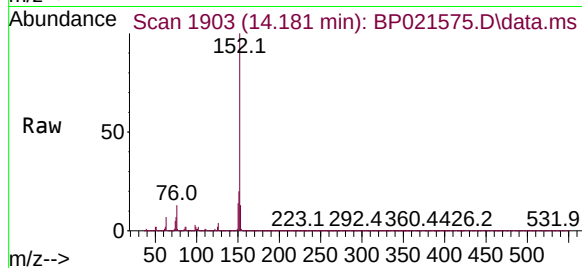
153 13.1 10.6 16.0

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

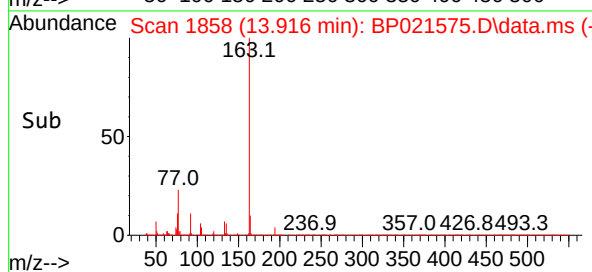
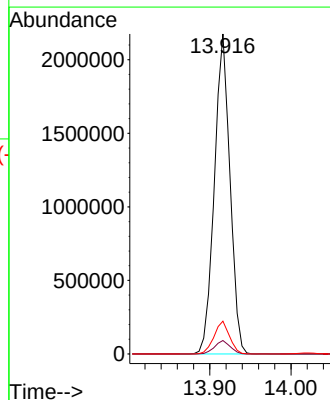
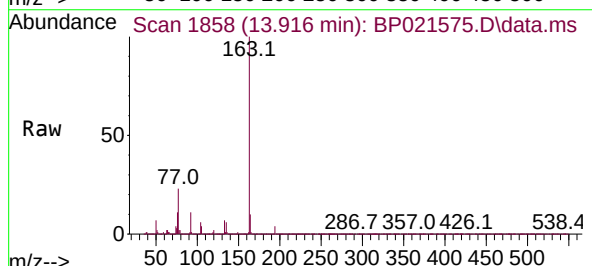
Tgt Ion:163 Resp: 2903067

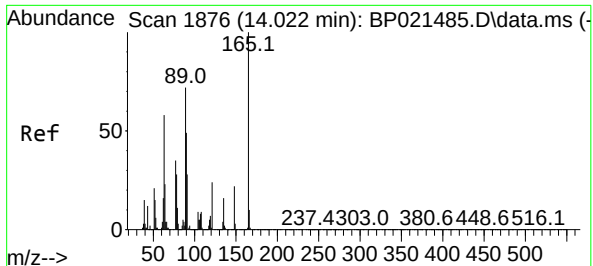
Ion Ratio Lower Upper

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# 1876
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

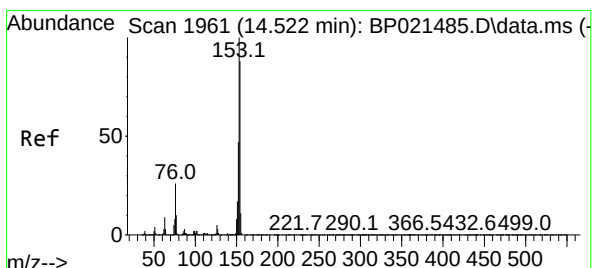
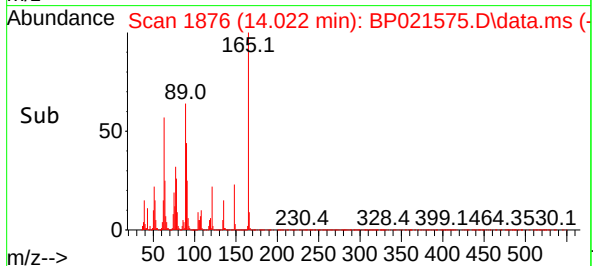
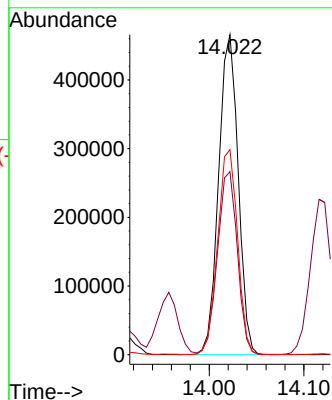
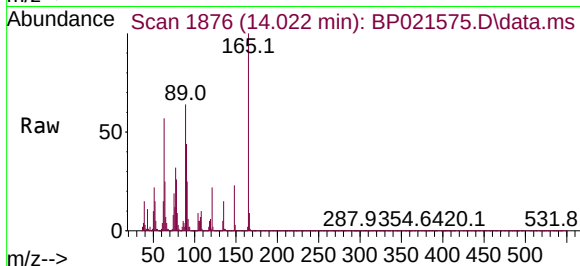
ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 668450
Ion Ratio Lower Upper
165 100
63 57.2 51.5 77.3
89 64.1 57.8 86.8

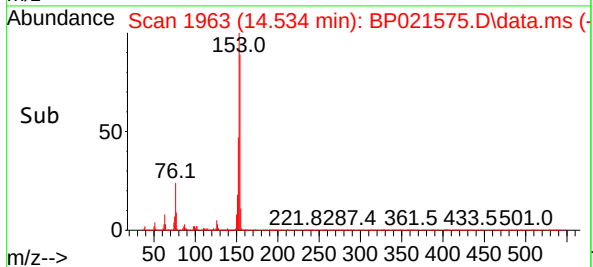
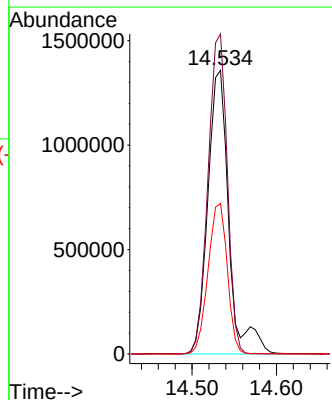
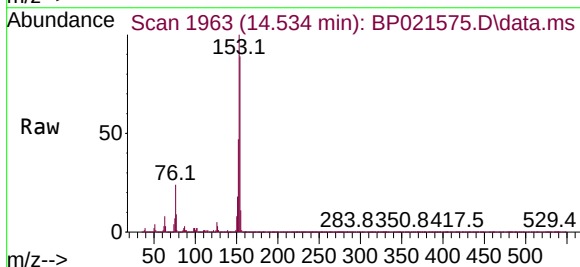
Manual Integrations
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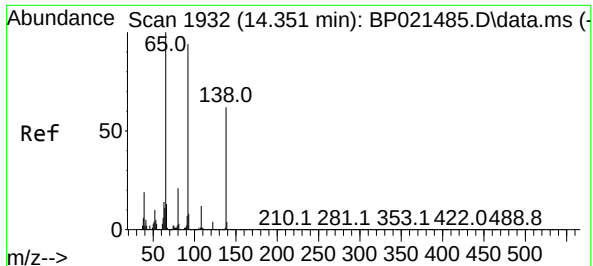
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

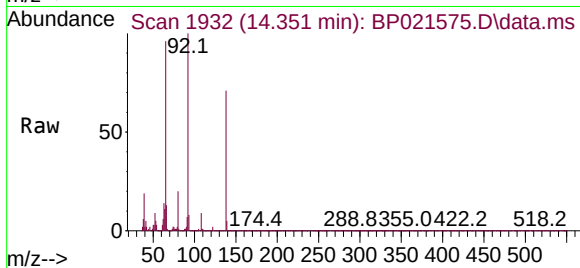
Tgt Ion:154 Resp: 2344983
Ion Ratio Lower Upper
154 100
153 112.8 91.1 136.7
152 53.0 43.0 64.4





#53
3-Nitroaniline
Concen: 49.513 ng
RT: 14.351 min Scan# 1932
Delta R.T. 0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

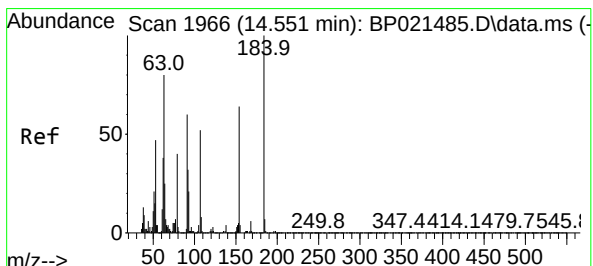
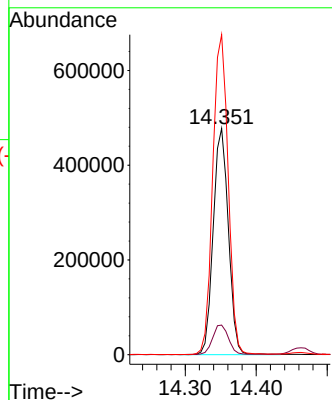
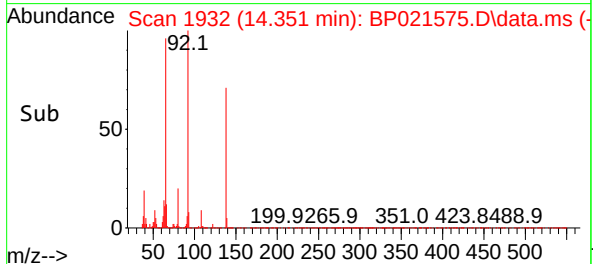
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



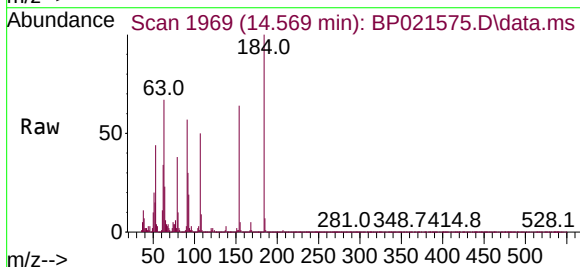
Tgt Ion:138 Resp: 704840
Ion Ratio Lower Upper
138 100
108 13.1 16.2 24.4
92 141.5 122.2 183.4

Manual Integrations
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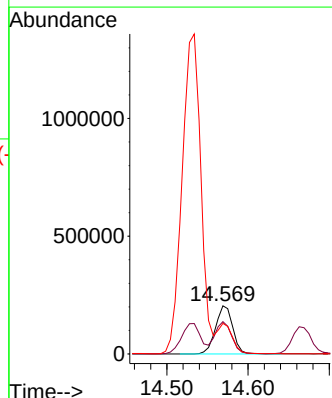
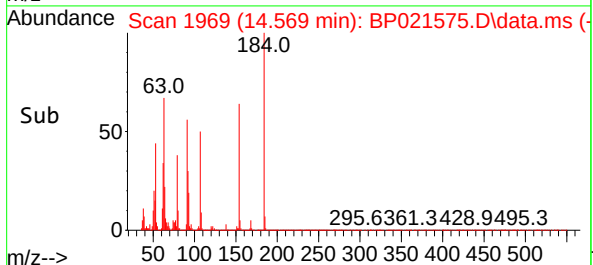
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

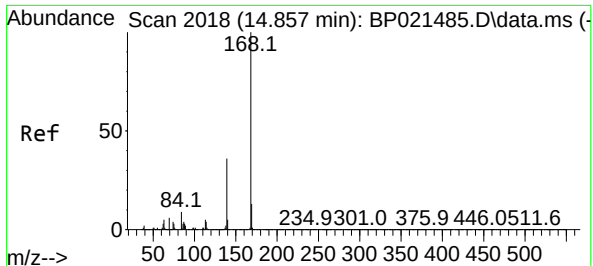


#54
2,4-Dinitrophenol
Concen: 66.049 ng
RT: 14.569 min Scan# 1969
Delta R.T. 0.018 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40



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

Dibenzenofuran

Concen: 39.716 ng

RT: 14.869 min Scan# 2018

Delta R.T. 0.012 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:168 Resp: 3469479

Ion Ratio Lower Upper

168 100

139 36.6 28.6 43.0

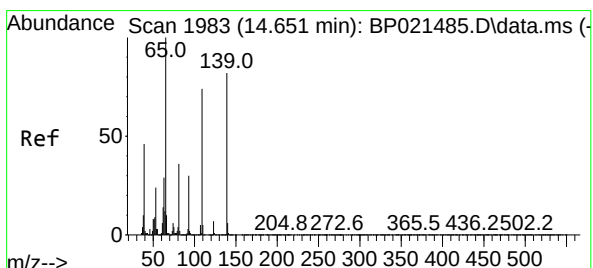
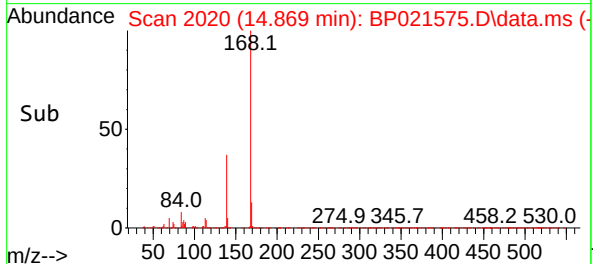
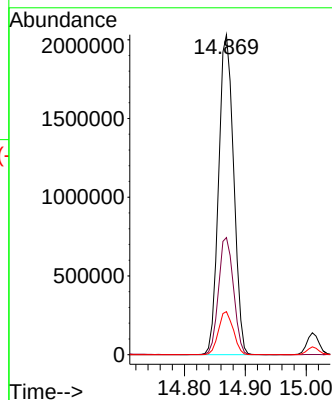
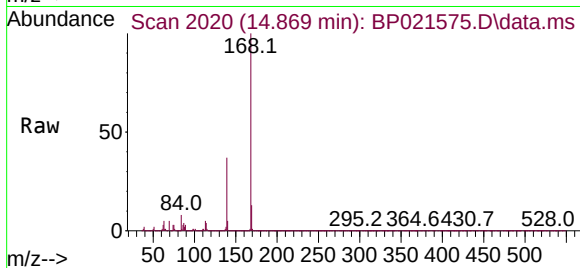
169 13.4 10.6 16.0

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

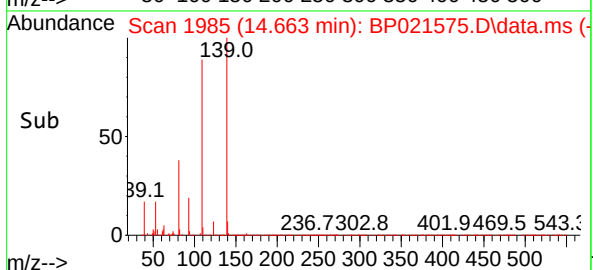
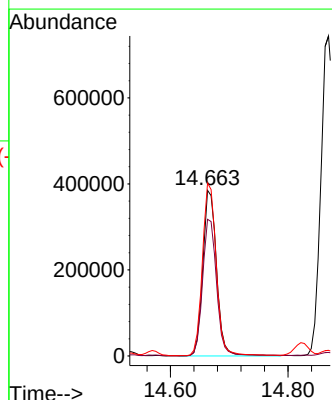
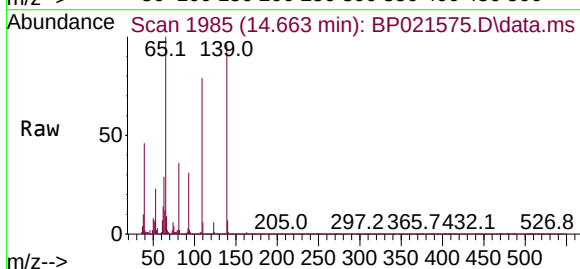
Tgt Ion:139 Resp: 623596

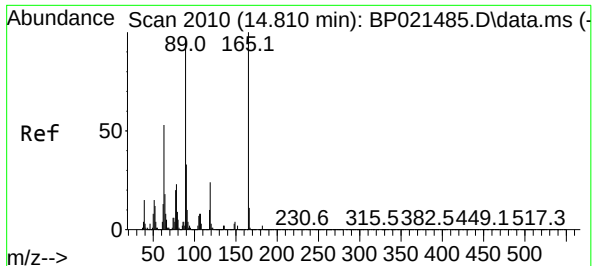
Ion Ratio Lower Upper

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# 2010

Delta R.T. 0.018 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

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

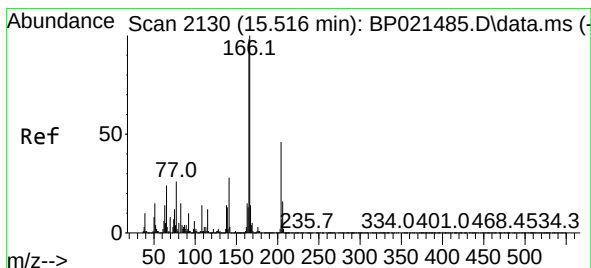
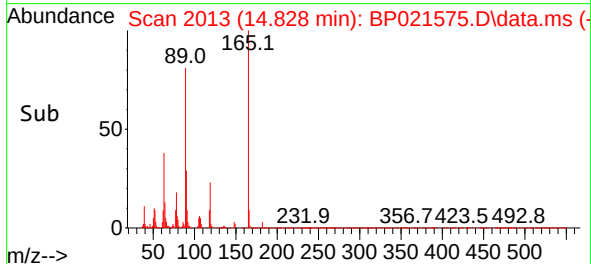
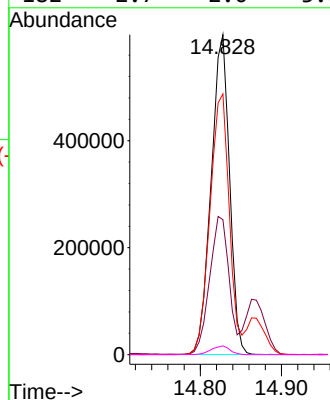
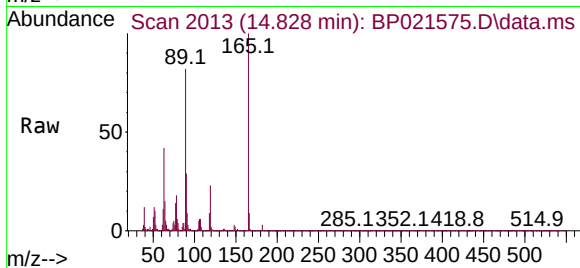
182 2.7 2.0 3.0

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

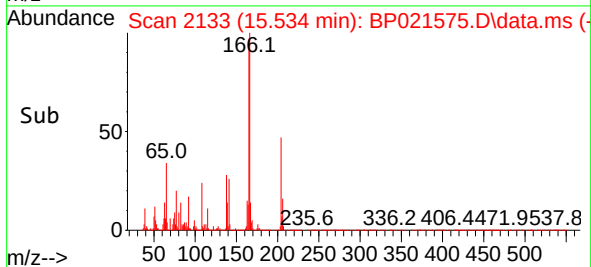
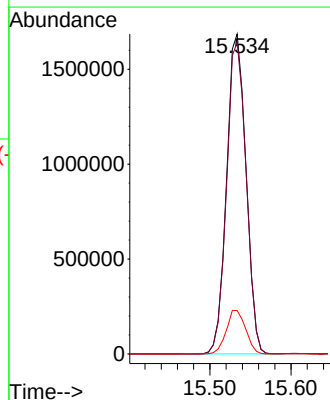
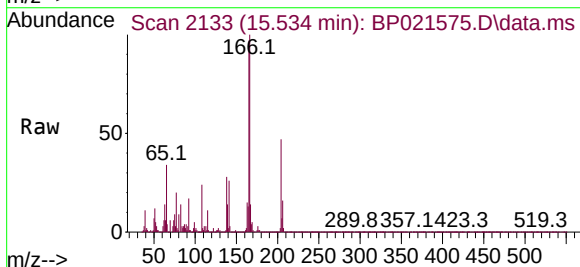
Tgt Ion:166 Resp: 2801684

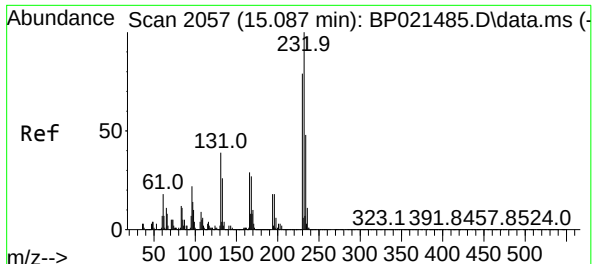
Ion Ratio Lower Upper

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# 2058

Delta R.T. 0.006 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:232 Resp: 787234

Ion Ratio Lower Upper

232 100

131 42.3 33.1 49.7

130 2.3 1.7 2.5

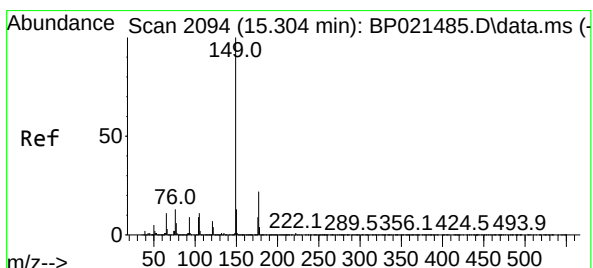
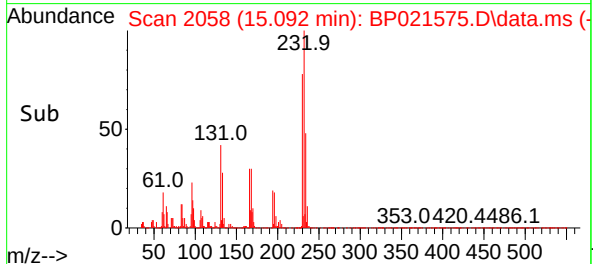
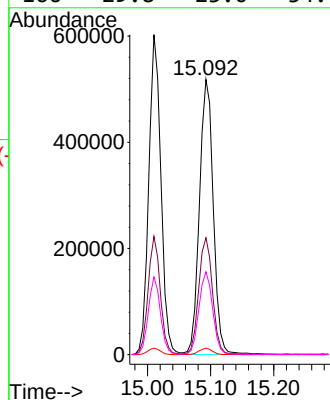
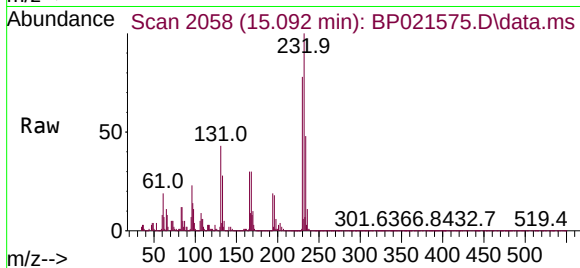
166 29.8 23.0 34.4

Manual Integrations

APPROVED

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

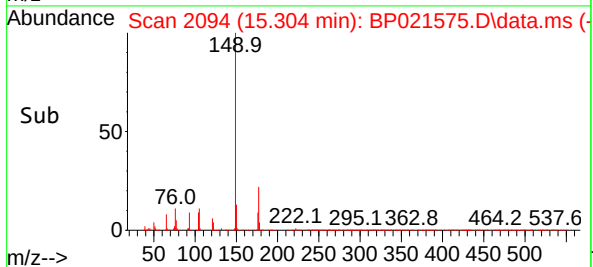
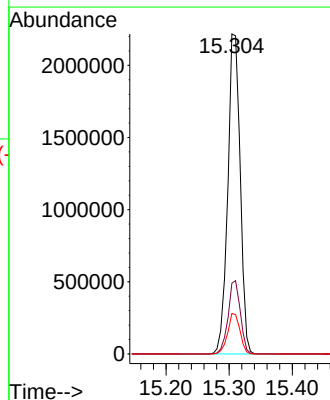
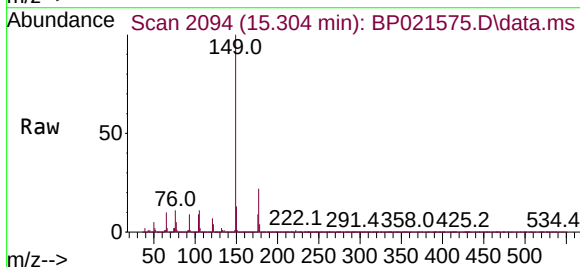
Tgt Ion:149 Resp: 3034612

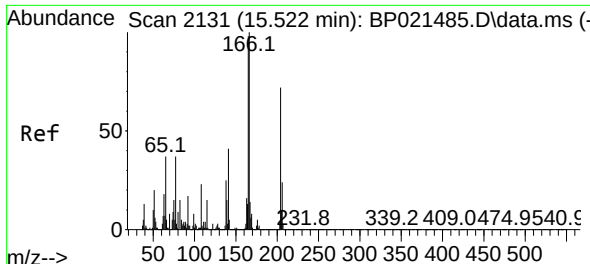
Ion Ratio Lower Upper

149 100

177 22.1 17.8 26.8

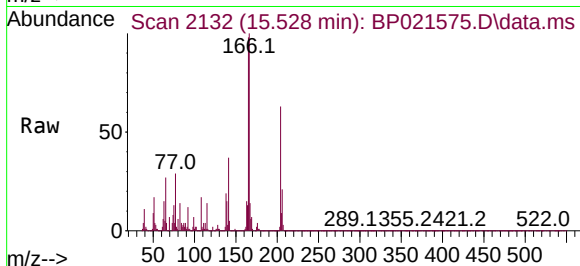
150 12.7 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 37.977 ng
RT: 15.528 min Scan# 2131
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

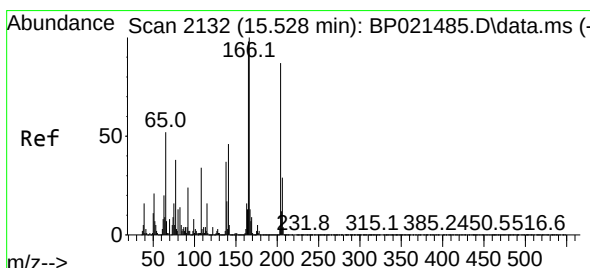
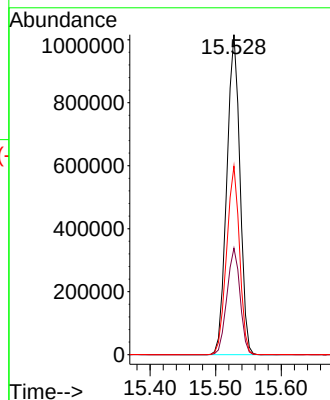
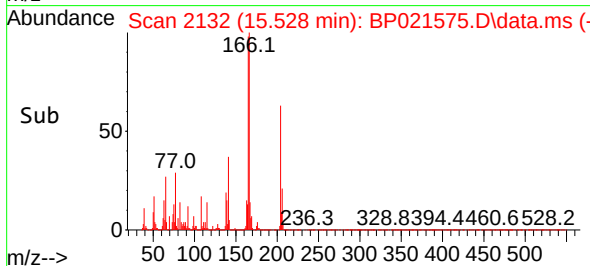
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



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

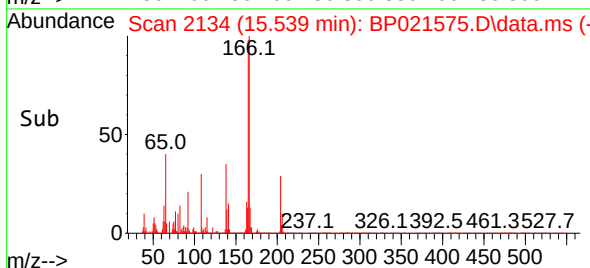
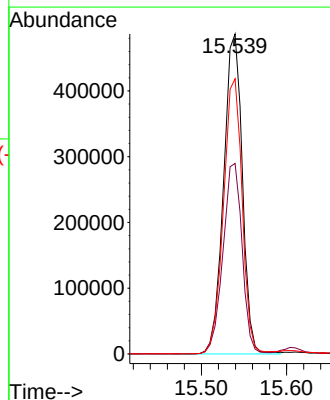
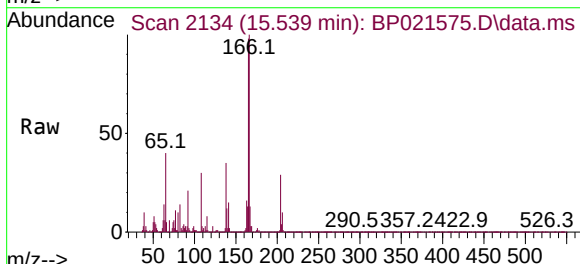
Manual Integrations
APPROVED

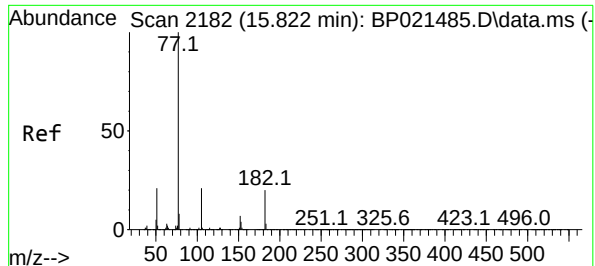
Reviewed By : Yogesh Patel 08/21/2024
Supervised By : mohammad ahmed 08/22/2024



#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





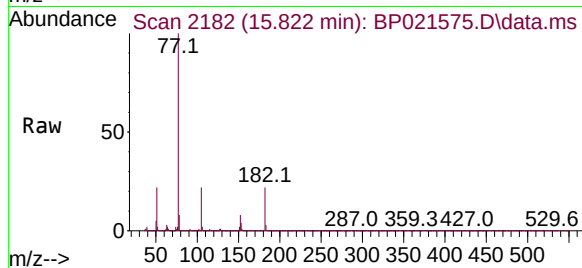
#63
Azobenzene
Concen: 35.641 ng
RT: 15.822 min Scan# 2182
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

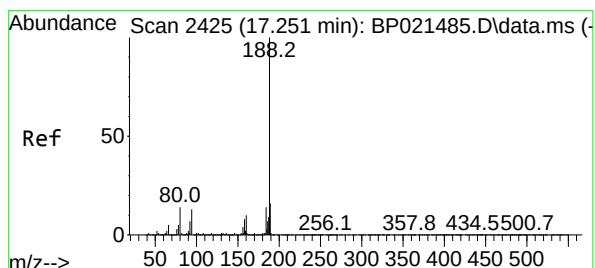
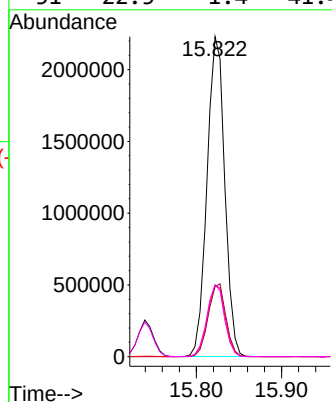
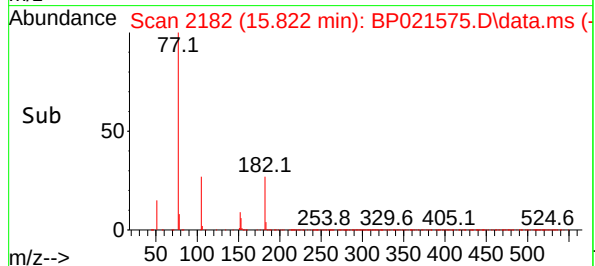
SSTDCCC040



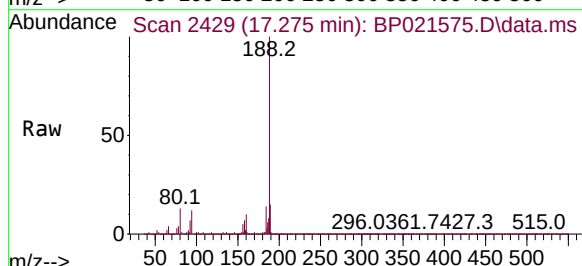
Tgt Ion: 77 Resp: 3217680
Ion Ratio Lower Upper
77 100
182 21.9 0.0 39.9
105 22.3 0.9 40.9
51 22.5 1.4 41.4

Manual Integrations
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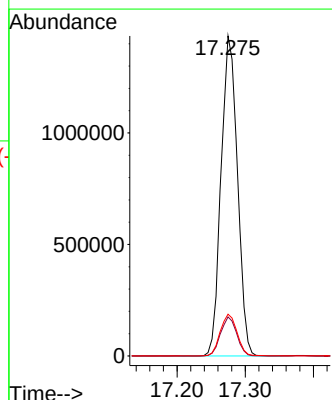
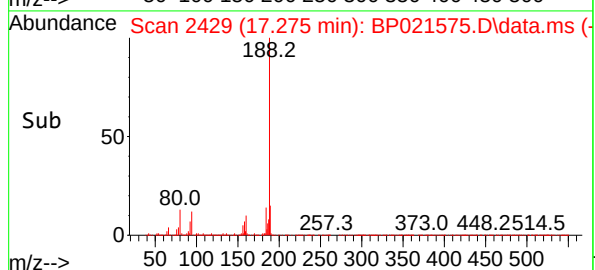
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

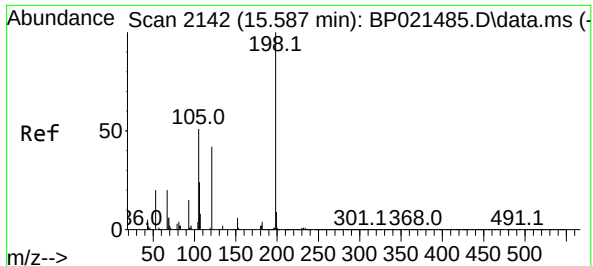


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.275 min Scan# 2429
Delta R.T. 0.023 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40



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





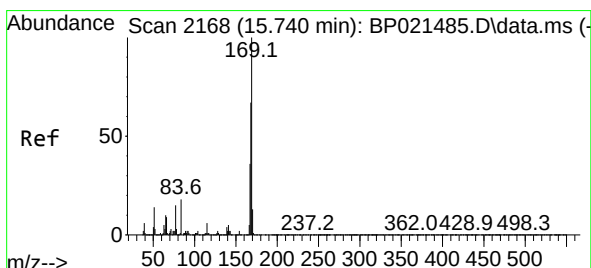
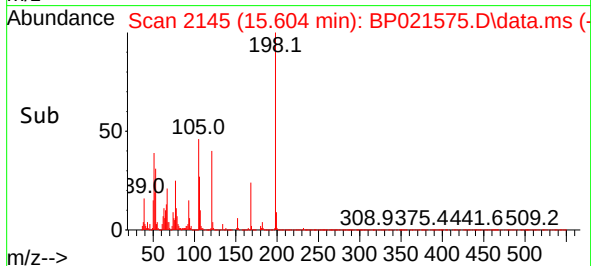
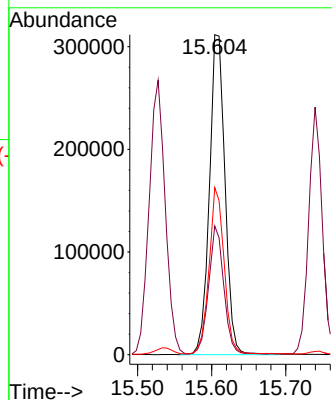
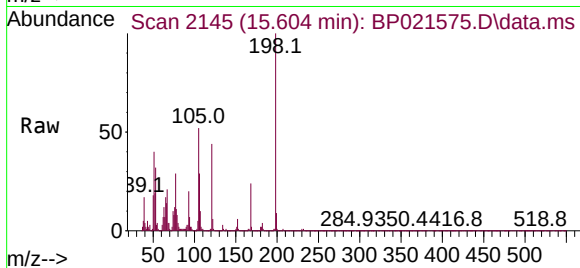
#65
4,6-Dinitro-2-methylphenol
Concen: 58.431 ng
RT: 15.604 min Scan# 2142
Delta R.T. 0.017 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 455554
Ion Ratio Lower Upper
198 100
51 40.2 21.5 61.5
105 52.2 32.9 72.9

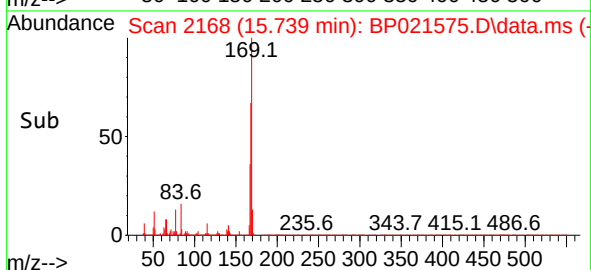
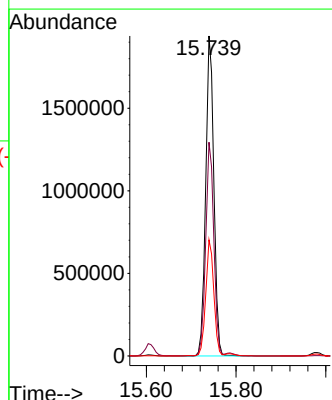
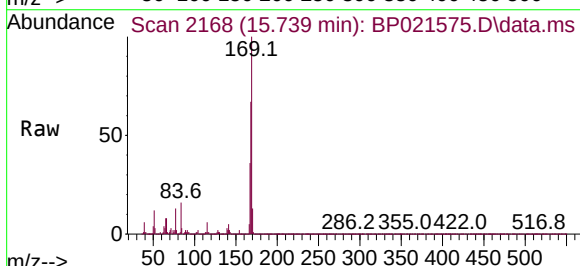
Manual Integrations
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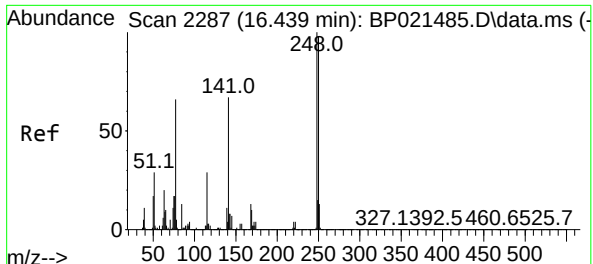
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

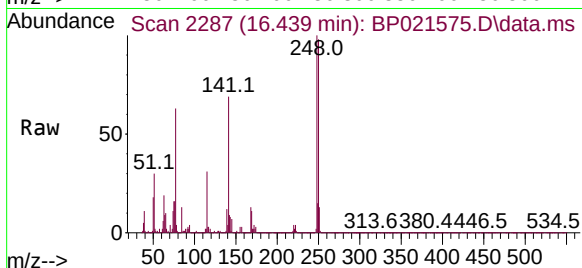
Tgt Ion:169 Resp: 2431907
Ion Ratio Lower Upper
169 100
168 66.8 53.4 80.2
167 36.3 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 37.008 ng
RT: 16.439 min Scan# 2287
Delta R.T. -0.000 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

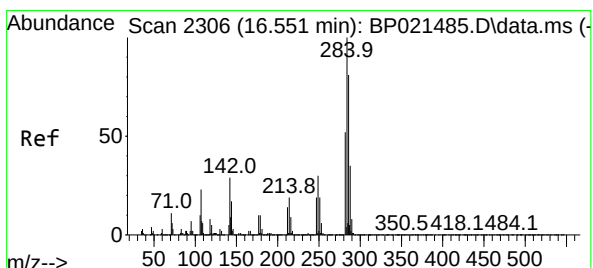
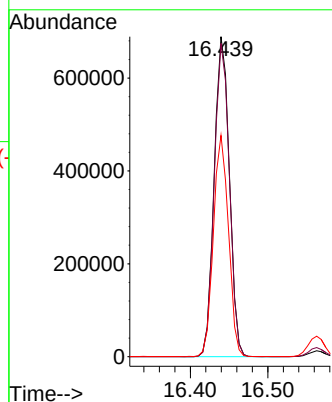
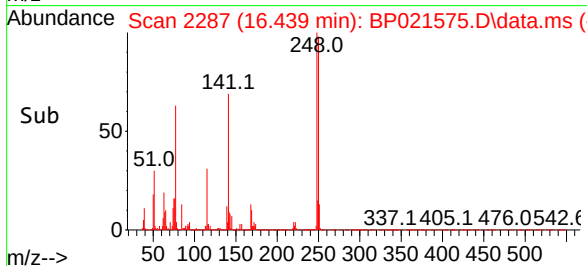
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:248 Resp: 941570
Ion Ratio Lower Upper
248 100
250 97.9 78.6 117.8
141 69.2 53.9 80.9

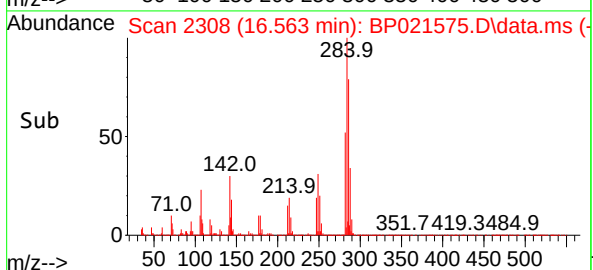
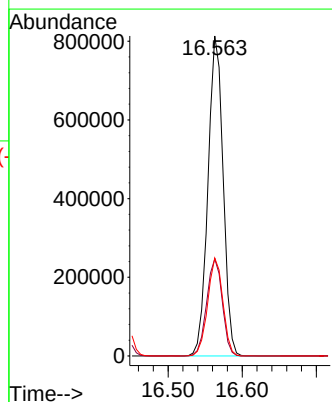
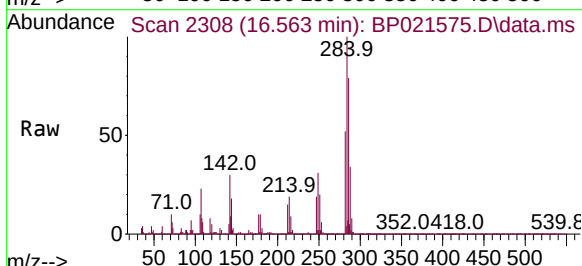
Manual Integrations
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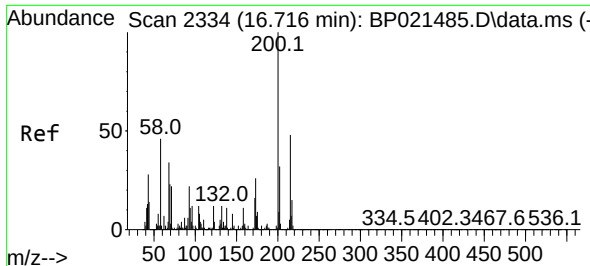
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

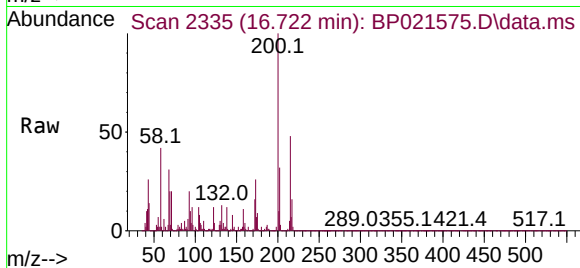
Tgt Ion:284 Resp: 1154799
Ion Ratio Lower Upper
284 100
142 30.3 23.4 35.2
249 30.6 24.1 36.1





#69
Atrazine
Concen: 31.853 ng
RT: 16.722 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

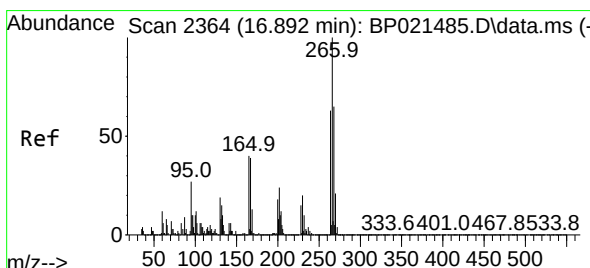
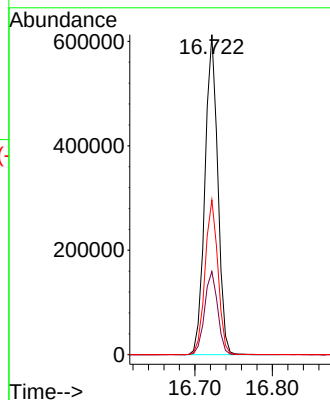
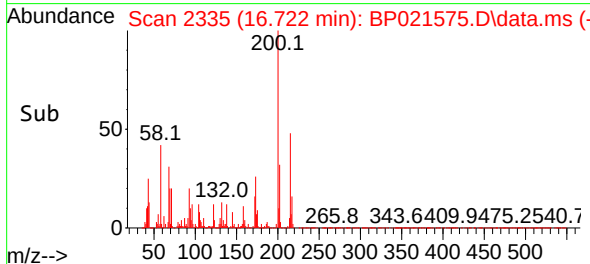
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



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

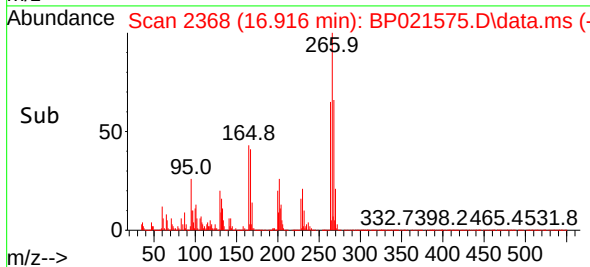
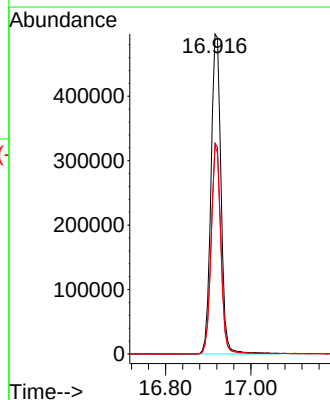
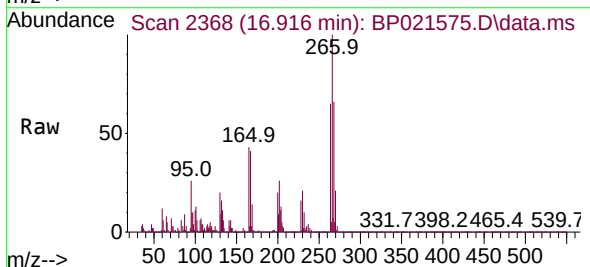
Manual Integrations
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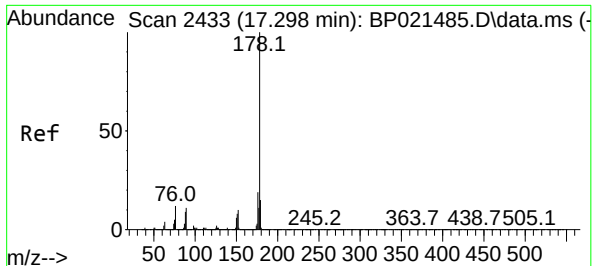
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

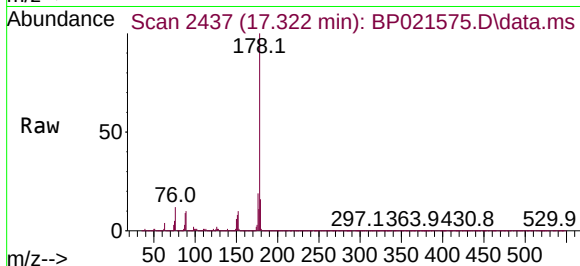
Tgt Ion:266 Resp: 808216
Ion Ratio Lower Upper
266 100
268 65.9 51.8 77.6
264 65.3 50.5 75.7





#71
Phenanthrene
Concen: 39.464 ng
RT: 17.322 min Scan# 2433
Delta R.T. 0.023 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

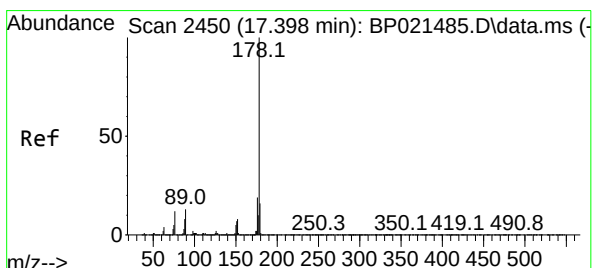
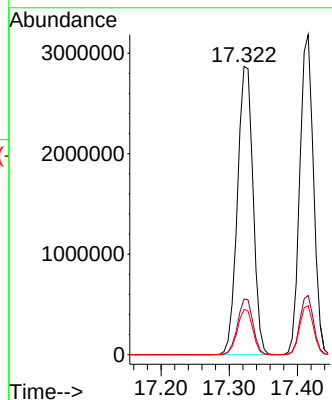
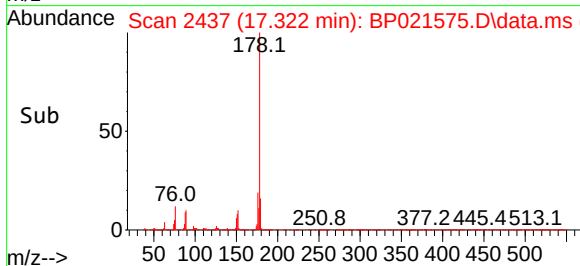
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:178 Resp: 4562430
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.7 12.4 18.6

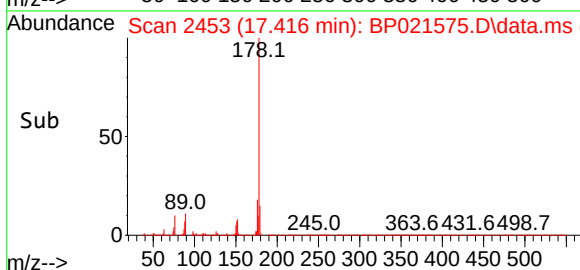
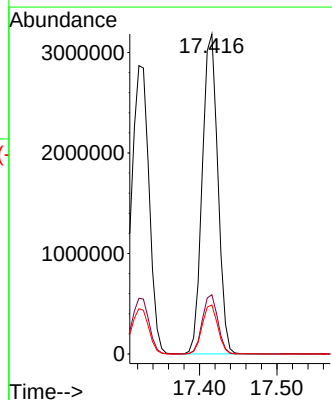
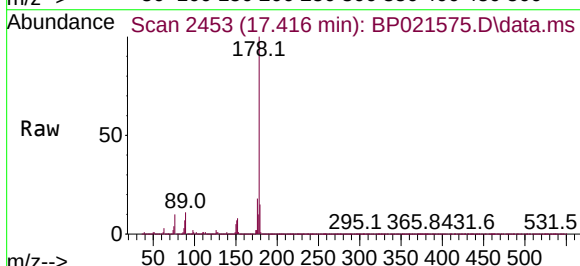
Manual Integrations
APPROVED

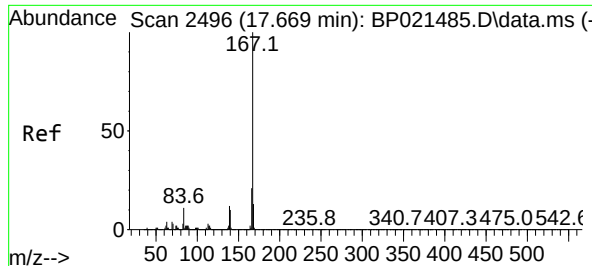
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

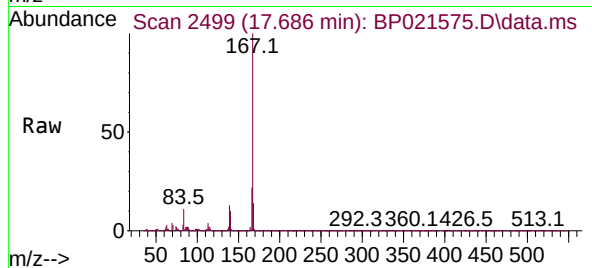
Tgt Ion:178 Resp: 4446404
Ion Ratio Lower Upper
178 100
176 18.5 14.9 22.3
179 15.3 12.5 18.7





#73
 Carbazole
 Concen: 41.477 ng
 RT: 17.686 min Scan# 2499
 Delta R.T. 0.018 min
 Lab File: BP021575.D
 Acq: 20 Aug 2024 16:40

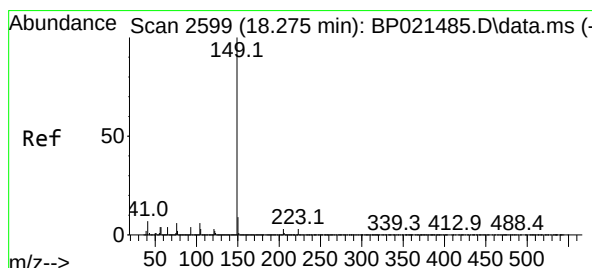
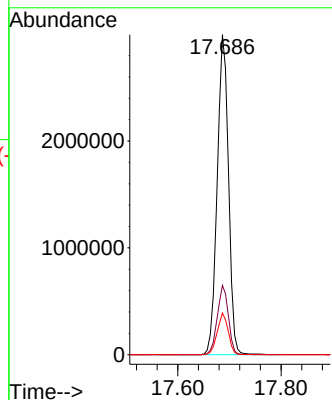
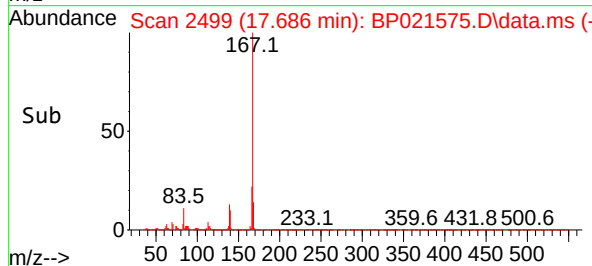
Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040



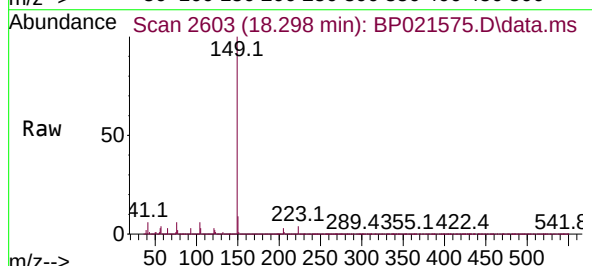
Tgt Ion:167 Resp: 4532118
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.4
 139 13.0 9.9 14.9

Manual Integrations
 APPROVED

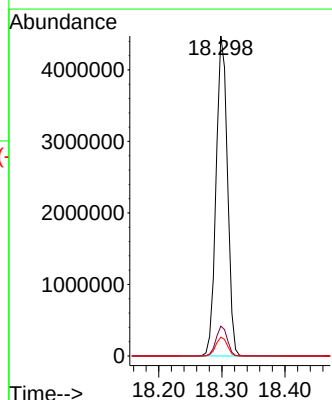
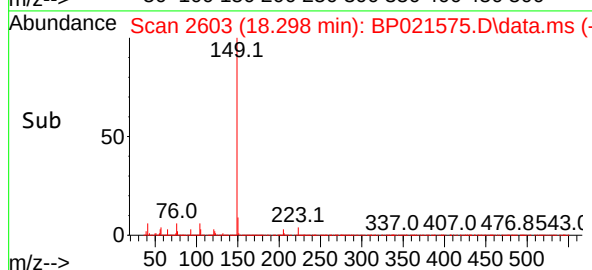
Reviewed By :Yogesh Patel 08/21/2024
 Supervised By :mohammad ahmed 08/22/2024

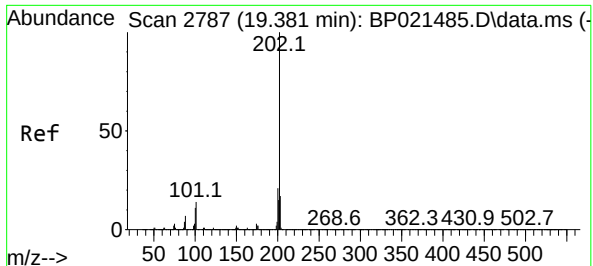


#74
 Di-n-butylphthalate
 Concen: 41.587 ng
 RT: 18.298 min Scan# 2603
 Delta R.T. 0.023 min
 Lab File: BP021575.D
 Acq: 20 Aug 2024 16:40



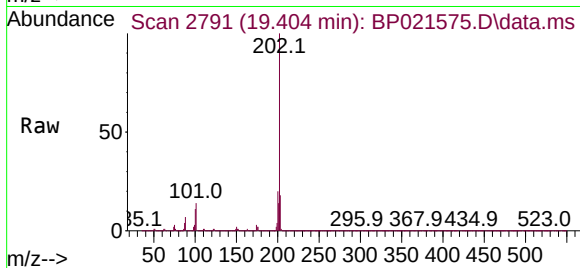
Tgt Ion:149 Resp: 5580792
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.5 11.3
 104 5.9 4.9 7.3





#75
Fluoranthene
Concen: 41.680 ng
RT: 19.404 min Scan# 21
Delta R.T. 0.023 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

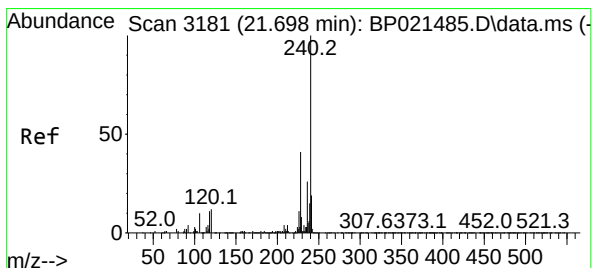
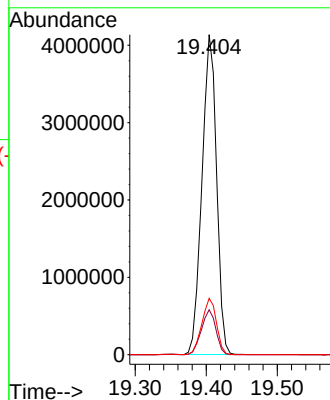
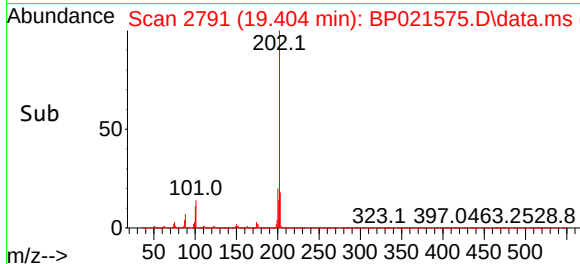
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



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

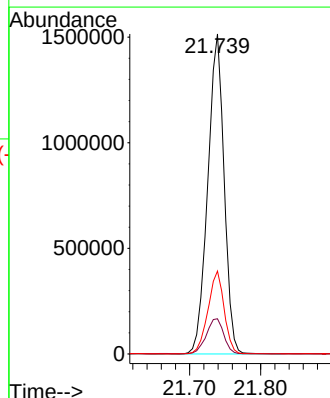
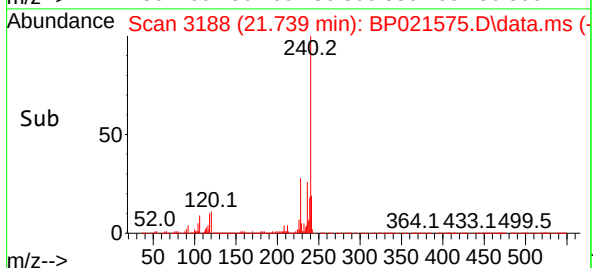
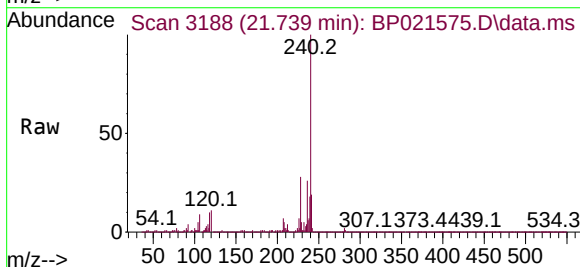
Manual Integrations
APPROVED

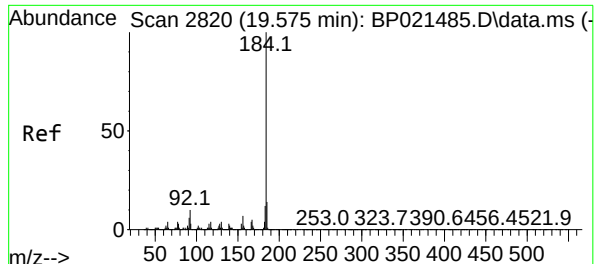
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

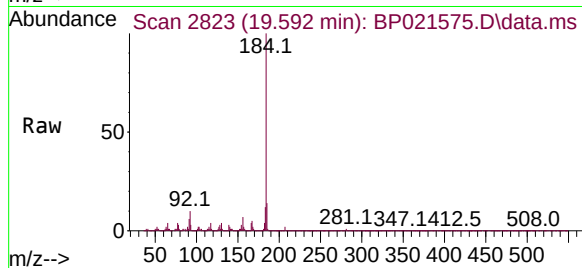
Tgt Ion:240 Resp: 2426350
Ion Ratio Lower Upper
240 100
120 11.0 9.9 14.9
236 25.9 20.6 30.8





#77
Benzidine
Concen: 35.722 ng
RT: 19.592 min Scan# 2823
Delta R.T. 0.017 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

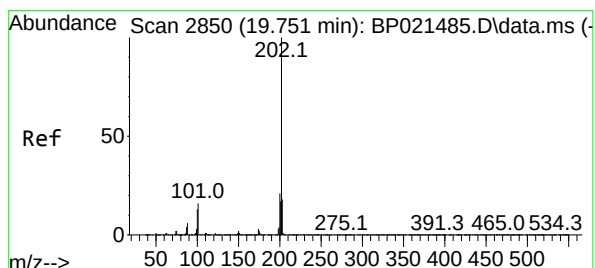
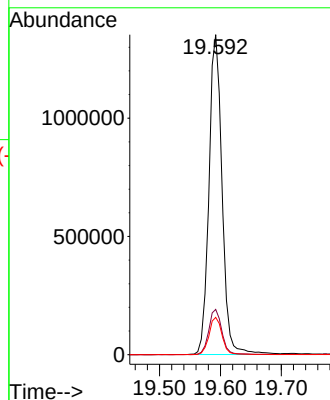
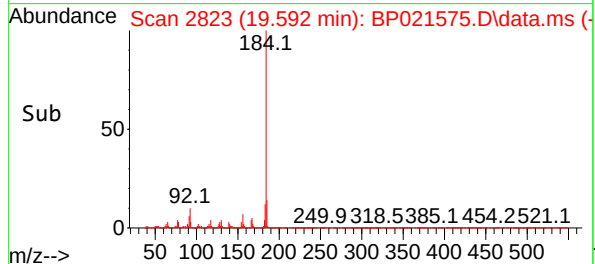
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



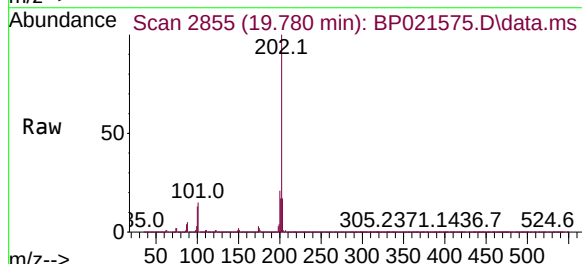
Tgt Ion:184 Resp: 2026298
Ion Ratio Lower Upper
184 100
185 14.1 11.4 17.0
183 11.7 9.3 13.9

Manual Integrations
APPROVED

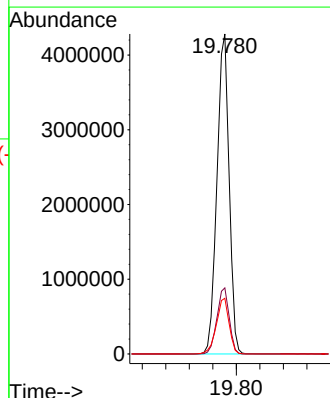
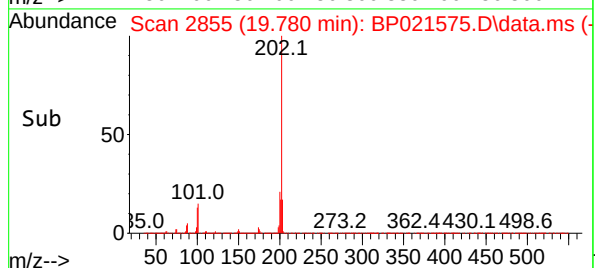
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

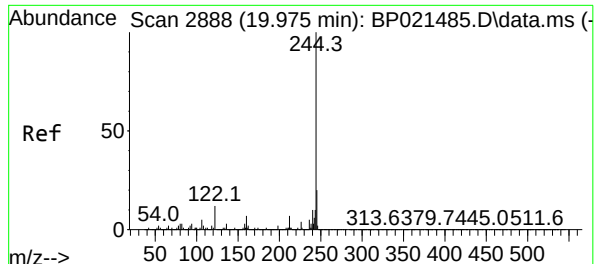


#78
Pyrene
Concen: 38.762 ng
RT: 19.780 min Scan# 2855
Delta R.T. 0.029 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40



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





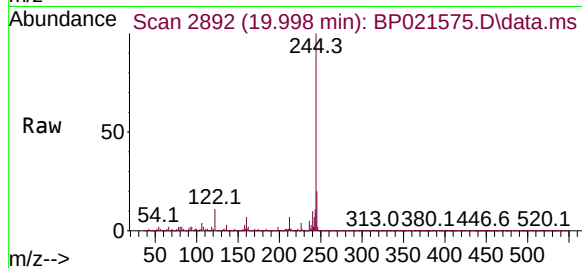
#79
Terphenyl-d14
Concen: 74.447 ng
RT: 19.998 min Scan# 2892
Delta R.T. 0.023 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

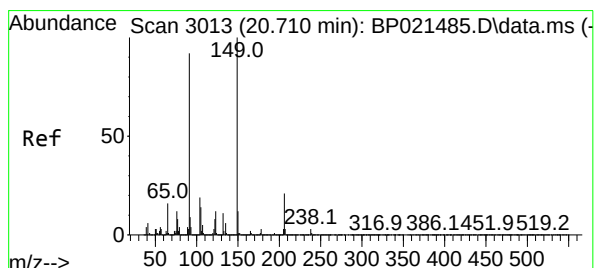
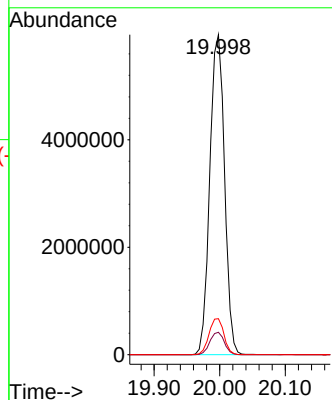
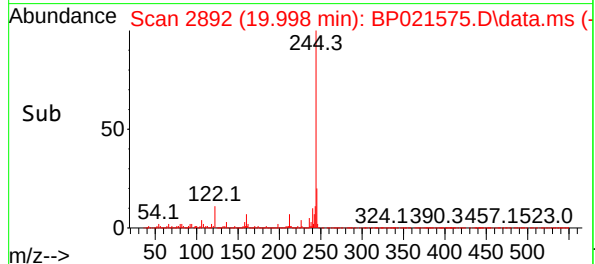
SSTDCCC040



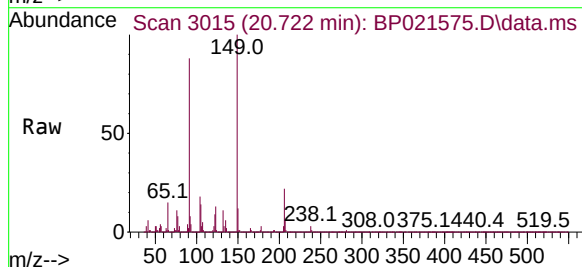
Tgt Ion:244 Resp: 9297974
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 11.3 9.4 14.2

Manual Integrations
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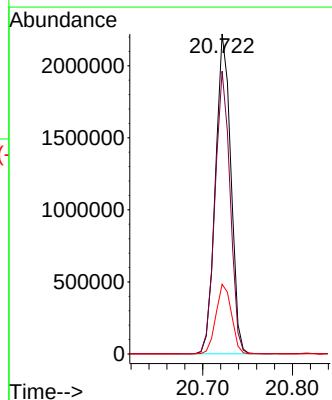
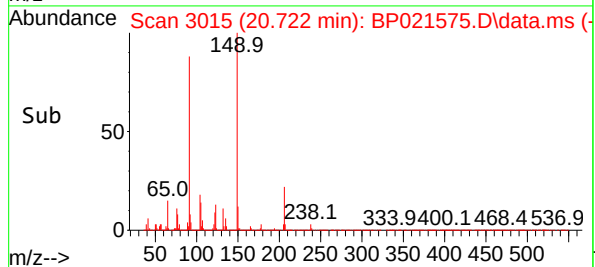
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

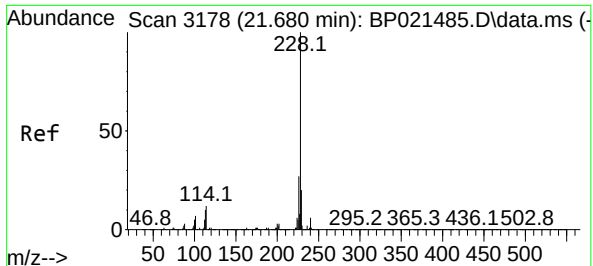


#80
Butylbenzylphthalate
Concen: 44.200 ng
RT: 20.722 min Scan# 3015
Delta R.T. 0.012 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40



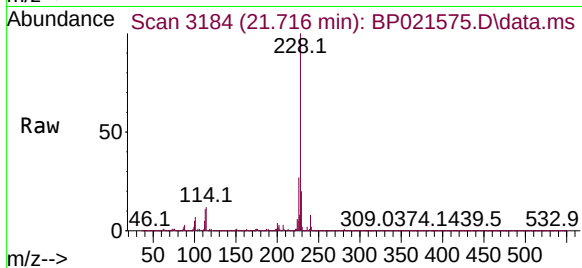
Tgt Ion:149 Resp: 2641829
Ion Ratio Lower Upper
149 100
91 88.4 73.3 109.9
206 21.8 17.1 25.7





#81
Benzo(a)anthracene
Concen: 39.950 ng
RT: 21.716 min Scan# 3178
Delta R.T. 0.035 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

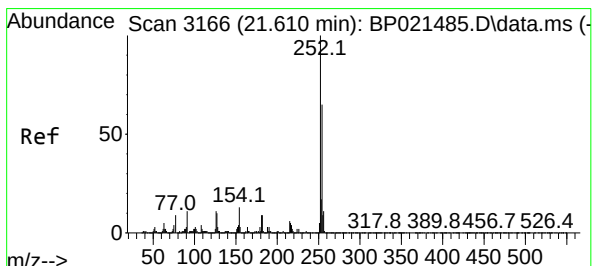
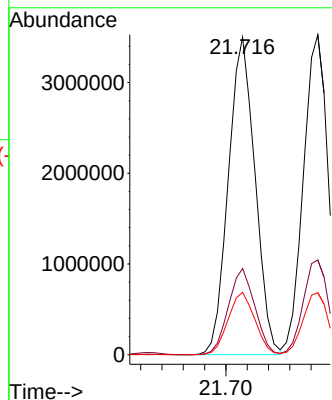
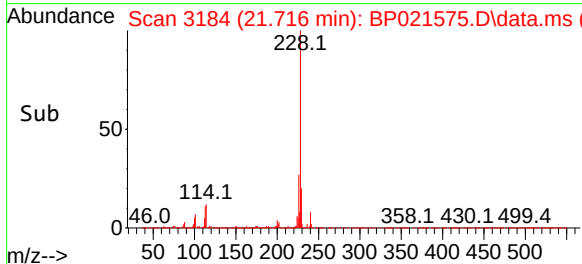
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:228 Resp: 6085084
Ion Ratio Lower Upper
228 100
226 27.2 21.4 32.2
229 19.6 15.8 23.6

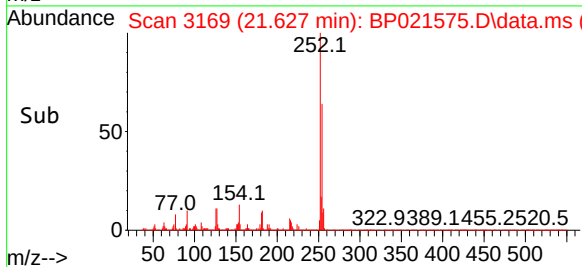
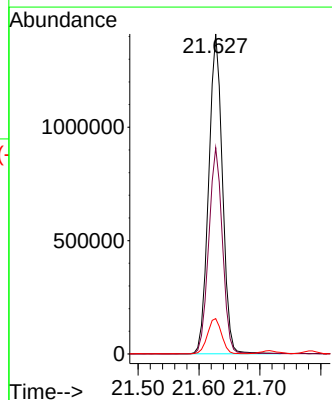
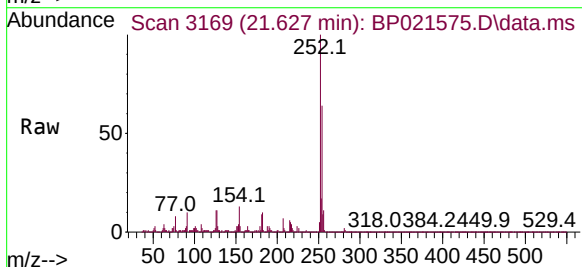
Manual Integrations
APPROVED

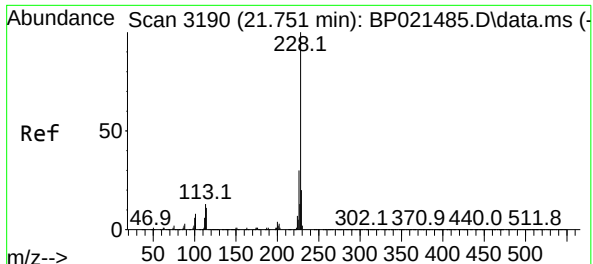
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 3196

Delta R.T. 0.035 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:228 Resp: 5688074

Ion Ratio Lower Upper

228 100

226 29.6 23.9 35.9

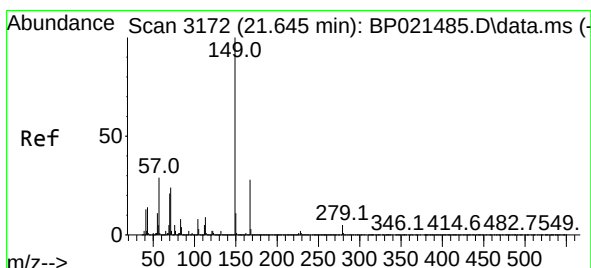
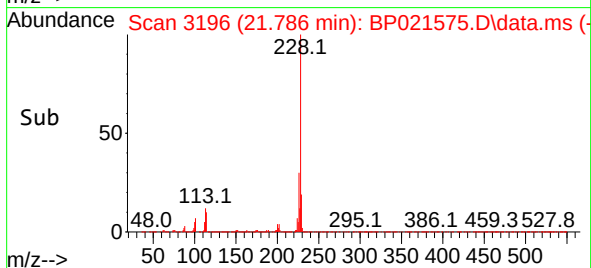
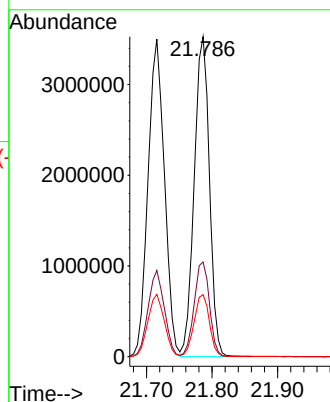
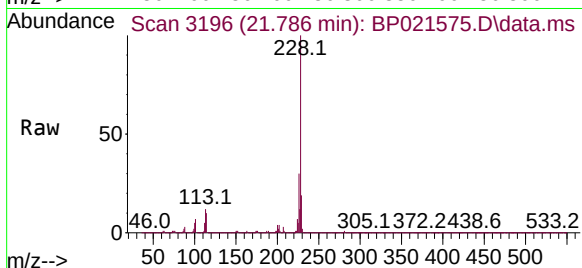
229 19.4 15.8 23.6

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

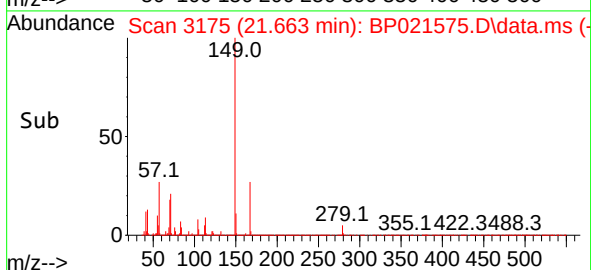
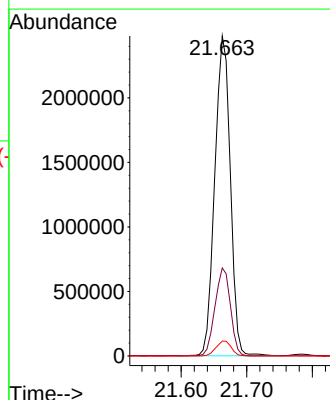
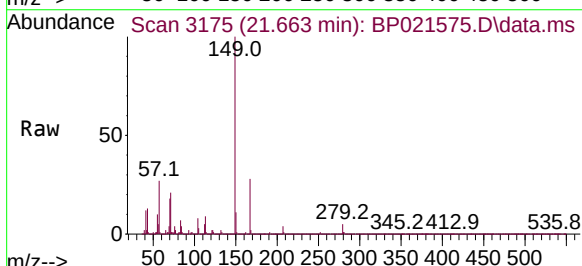
Tgt Ion:149 Resp: 4058627

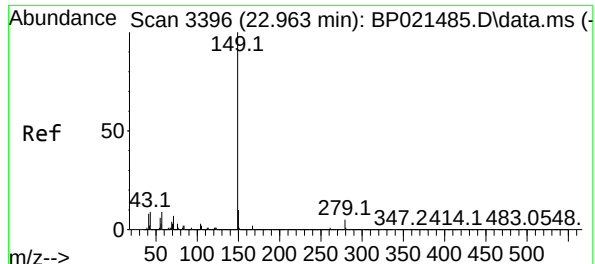
Ion Ratio Lower Upper

149 100

167 27.5 22.3 33.5

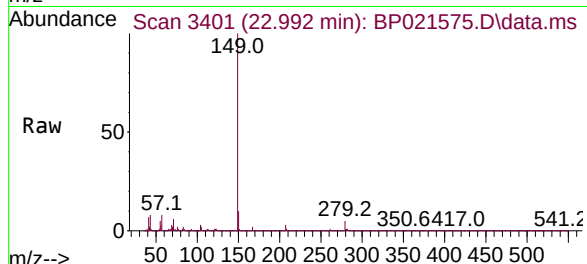
279 4.6 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 45.068 ng
RT: 22.992 min Scan# 3401
Delta R.T. 0.029 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

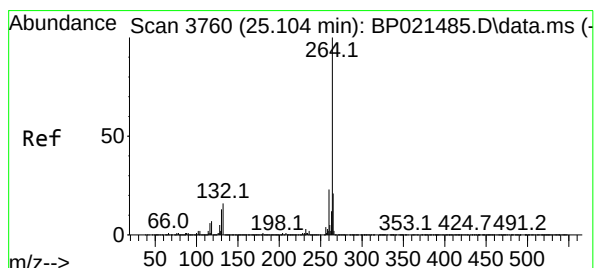
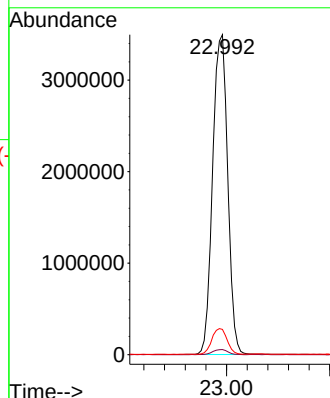
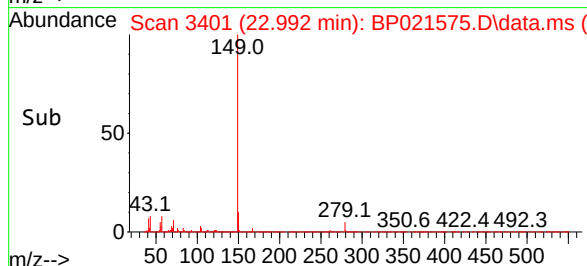
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



Tgt Ion:149 Resp: 7075138
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.1 7.3 10.9

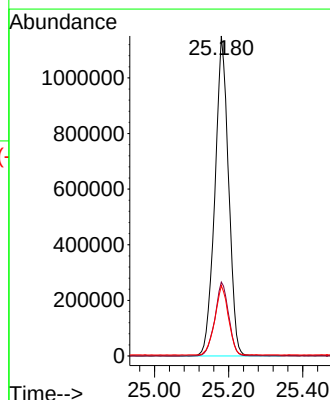
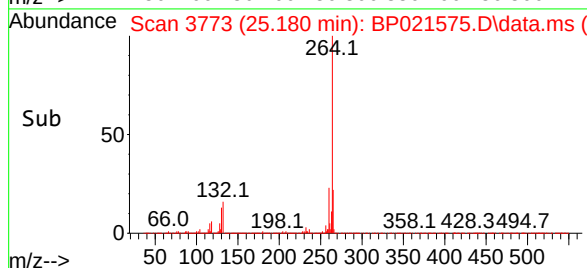
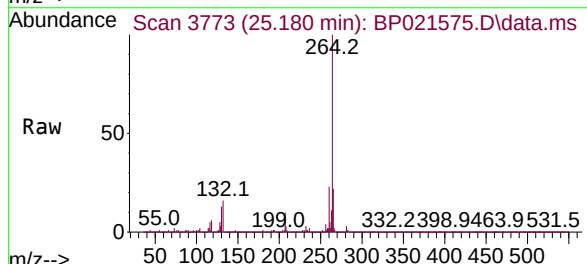
Manual Integrations
APPROVED

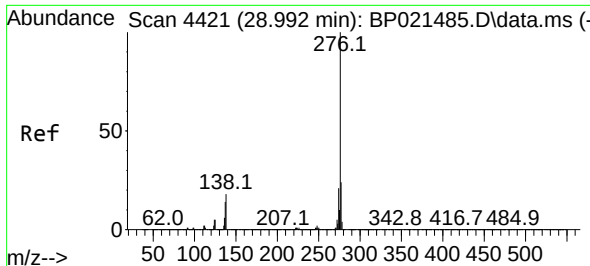
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.180 min Scan# 3773
Delta R.T. 0.076 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

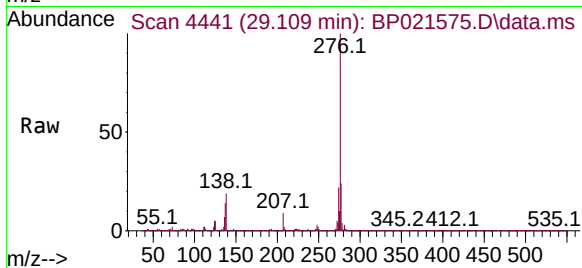
Tgt Ion:264 Resp: 2940308
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 22.0 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 40.361 ng m
RT: 29.109 min Scan# 4421
Delta R.T. 0.118 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40

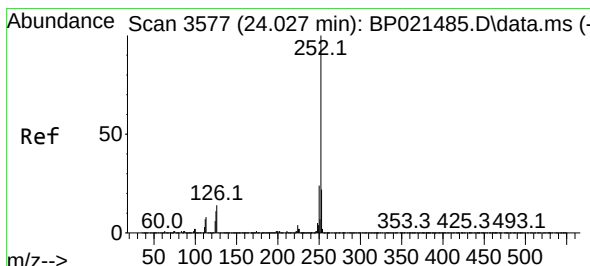
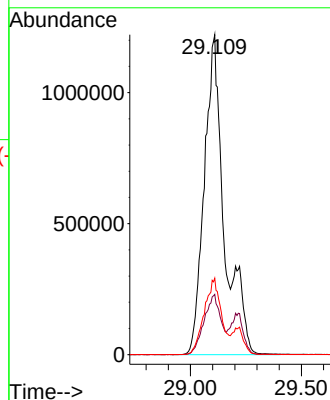
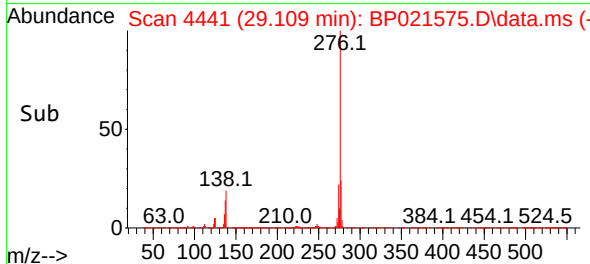
Instrument :
BNA_P
ClientSampleId :
SSTDCCC040



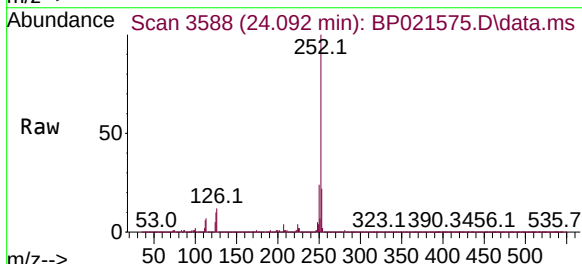
Tgt Ion: 276 Resp: 769266
Ion Ratio Lower Upper
276 100
138 15.8 12.8 19.2
277 20.4 16.5 24.7

Manual Integrations
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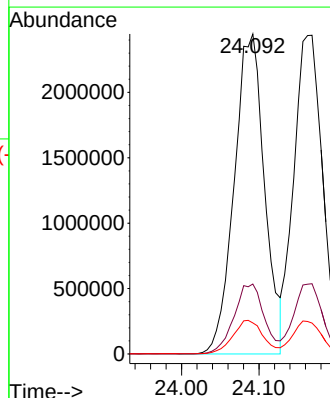
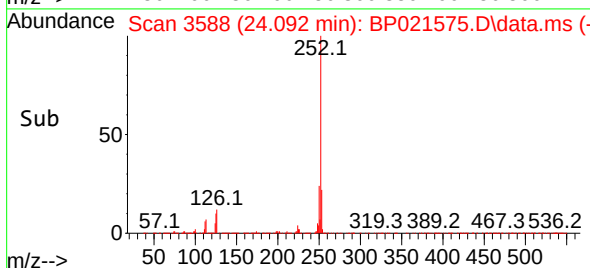
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

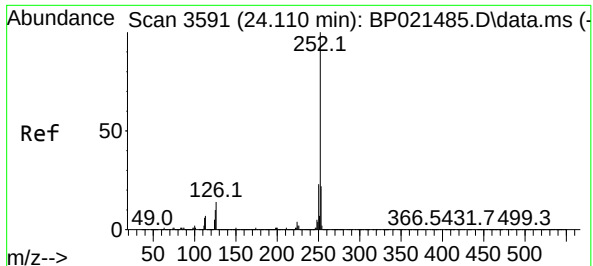


#88
Benzo(b)fluoranthene
Concen: 39.379 ng
RT: 24.092 min Scan# 3588
Delta R.T. 0.065 min
Lab File: BP021575.D
Acq: 20 Aug 2024 16:40



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# 30

Delta R.T. 0.059 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:252 Resp: 626187

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

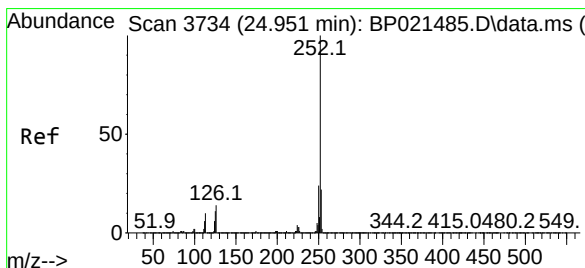
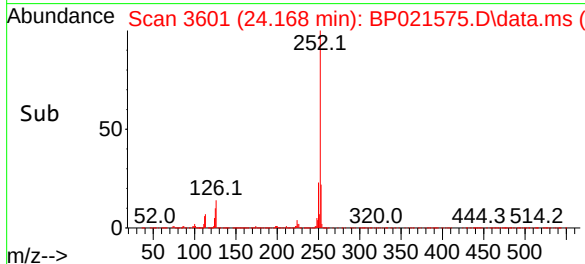
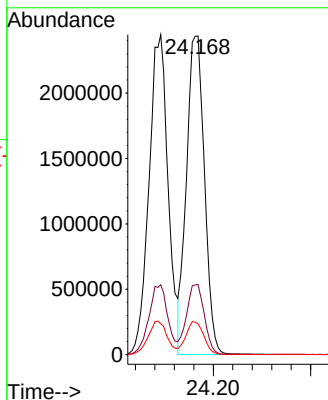
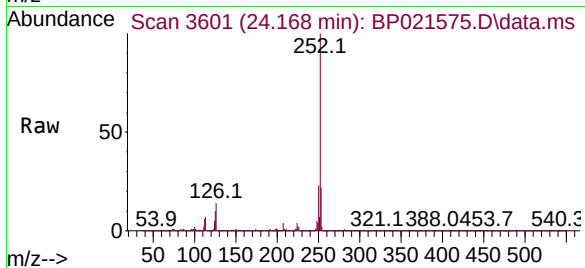
125 9.7 7.8 11.8

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

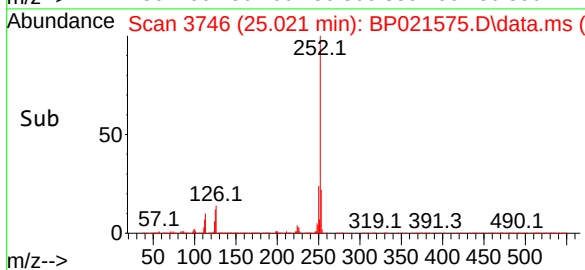
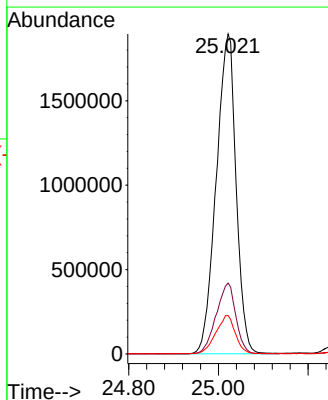
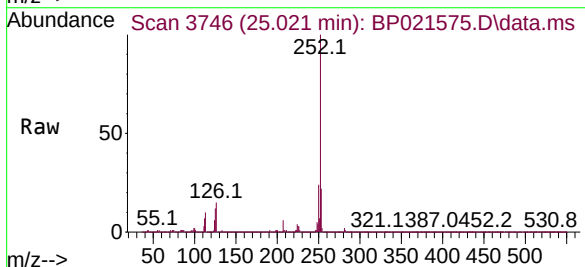
Tgt Ion:252 Resp: 5826473

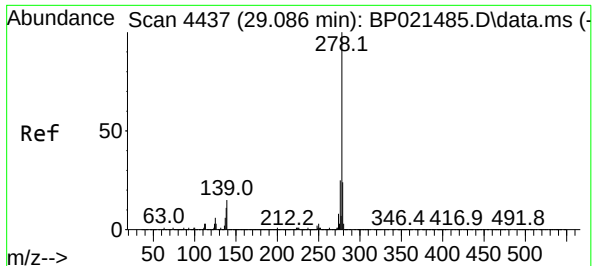
Ion Ratio Lower Upper

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# 4437

Delta R.T. 0.135 min

Lab File: BP021575.D

Acq: 20 Aug 2024 16:40

Instrument :

BNA_P

ClientSampleId :

SSTDCCC040

Tgt Ion:278 Resp: 629888

Ion Ratio Lower Upper

278 100

139 15.1 12.2 18.4

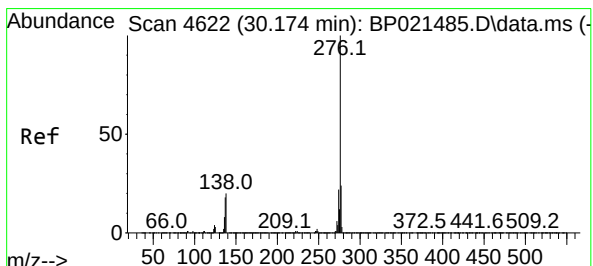
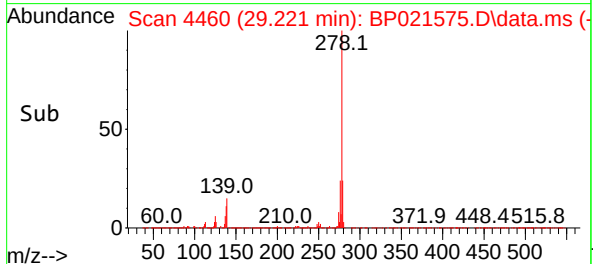
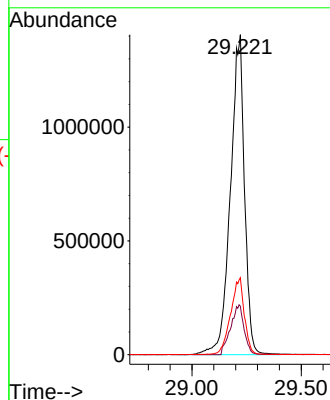
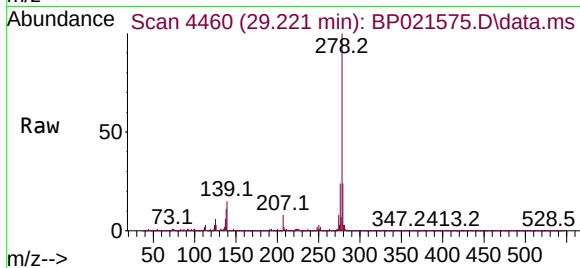
279 24.1 19.1 28.7

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

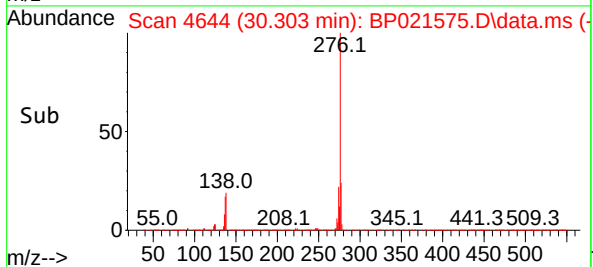
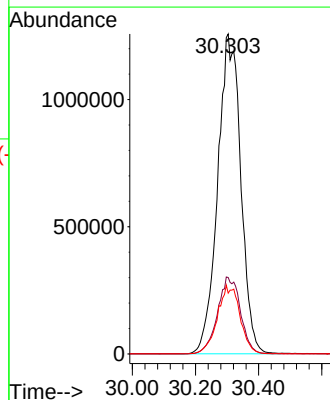
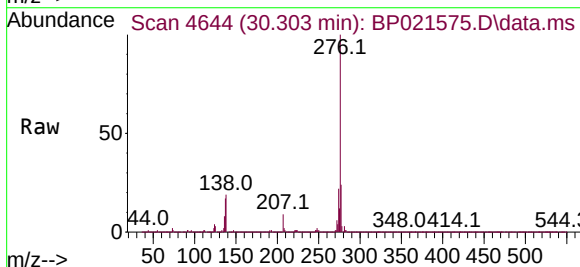
Tgt Ion:276 Resp: 6370124

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	Benzydine	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)
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(#) = 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
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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	Benzydine	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

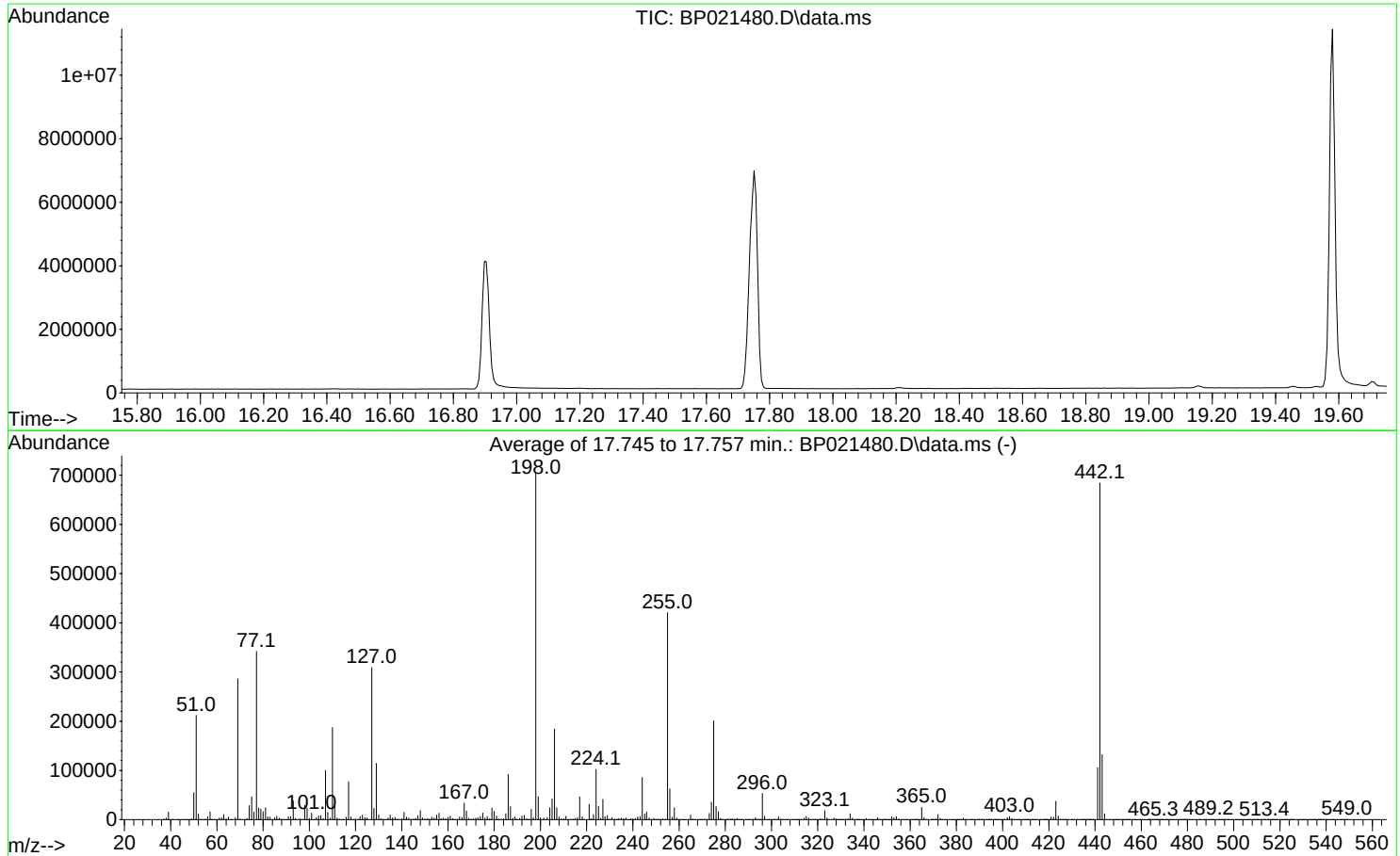
1
2
3
4
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10
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17

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



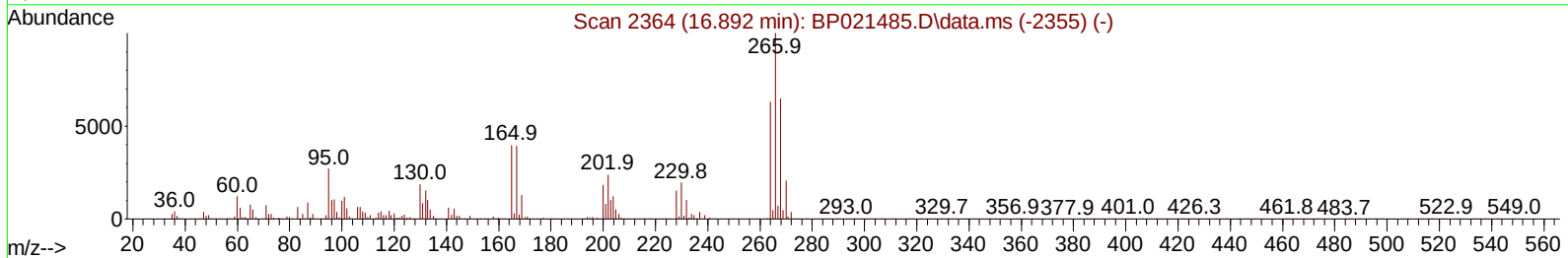
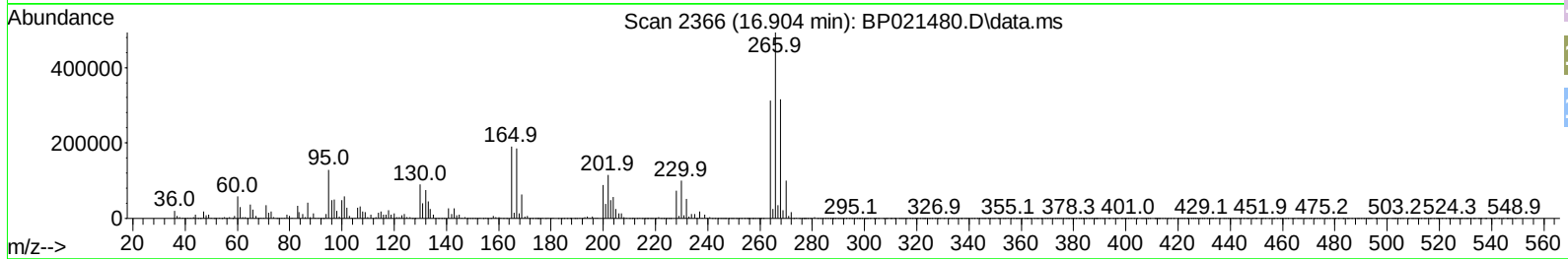
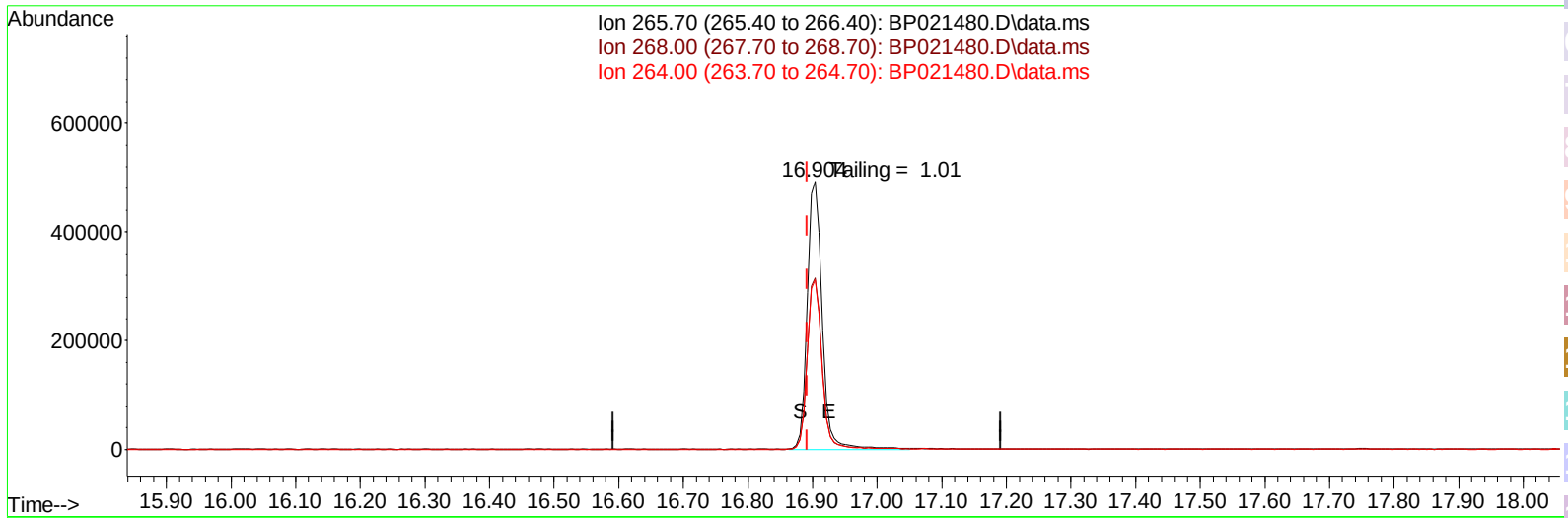
AutoFind: Scans 2509, 2510, 2511; Background Corrected with Scan 2499

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

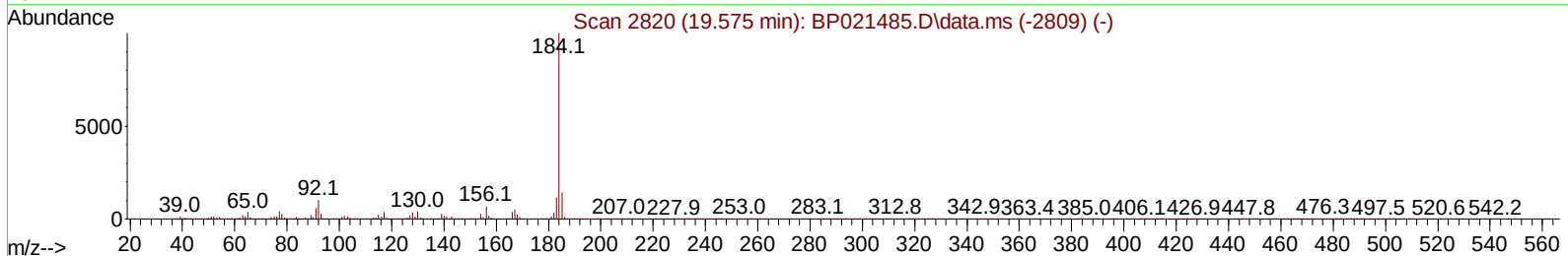
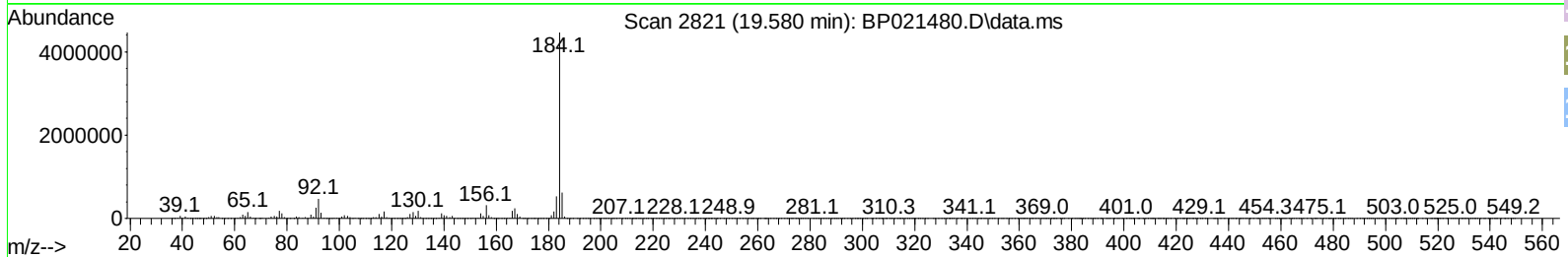
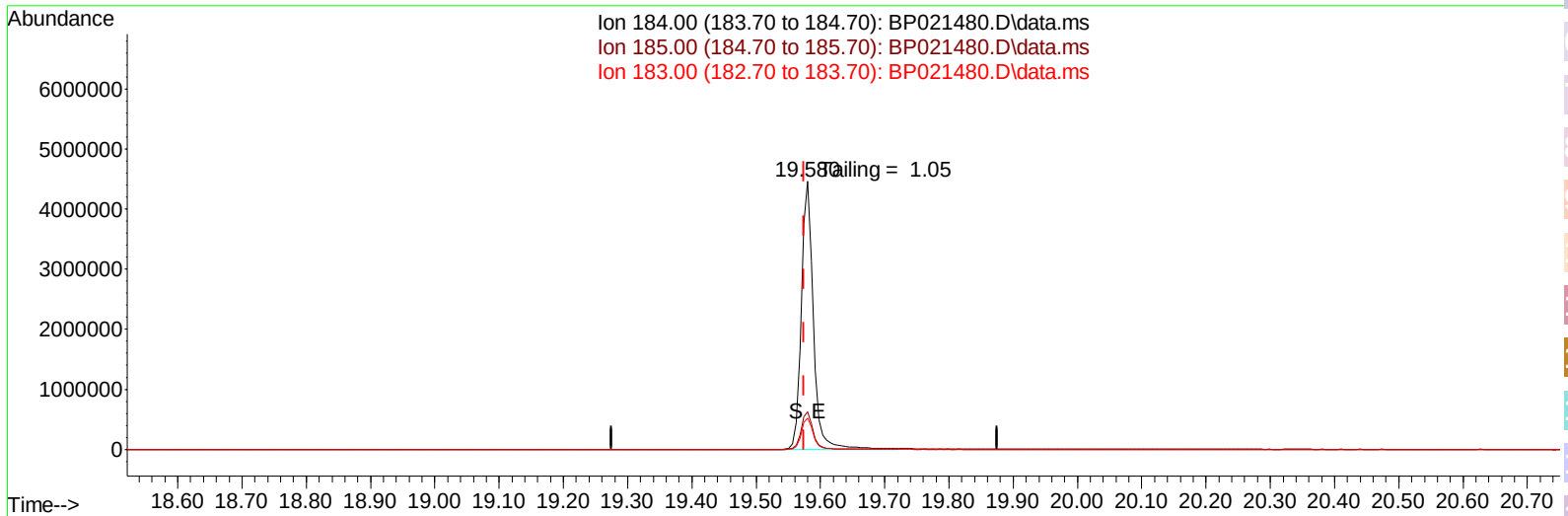
response 795611

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

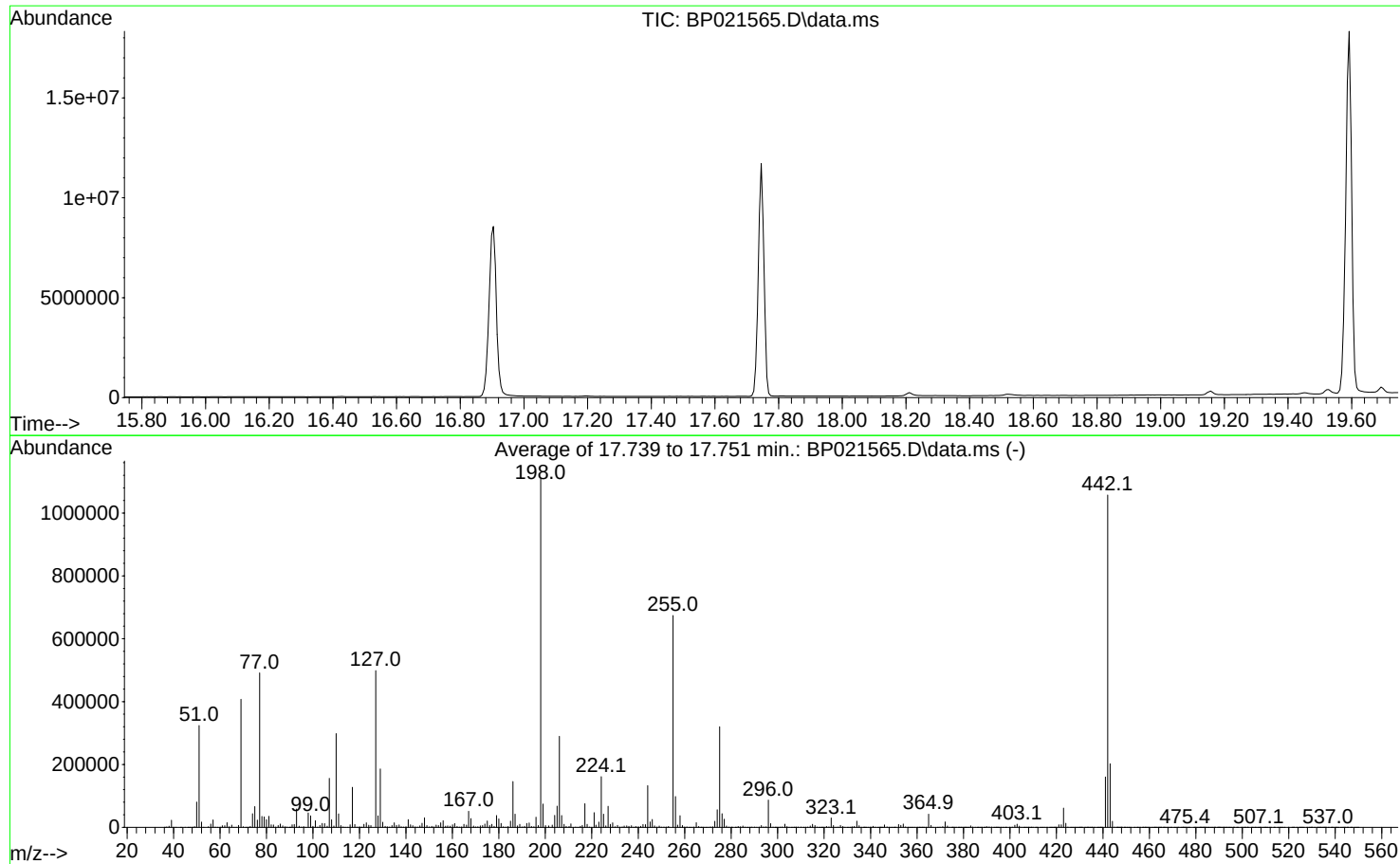
Date	Instrument Name	DFTPP Data File
8/13/2024	BNA_P	<u>BP021480.D</u>
Compound Name	Response	Retention Time
DDT	2081689	20.88
DDD	17224	20.486
DDE	158	19.962
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
17382	2099071	0.83

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

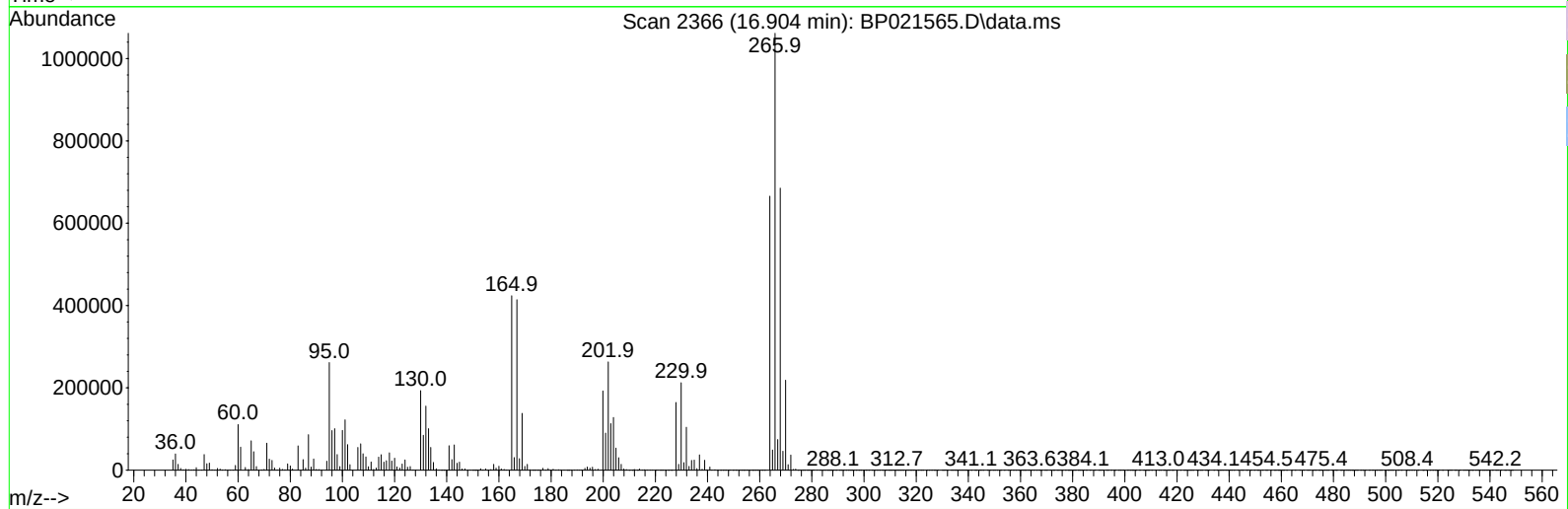
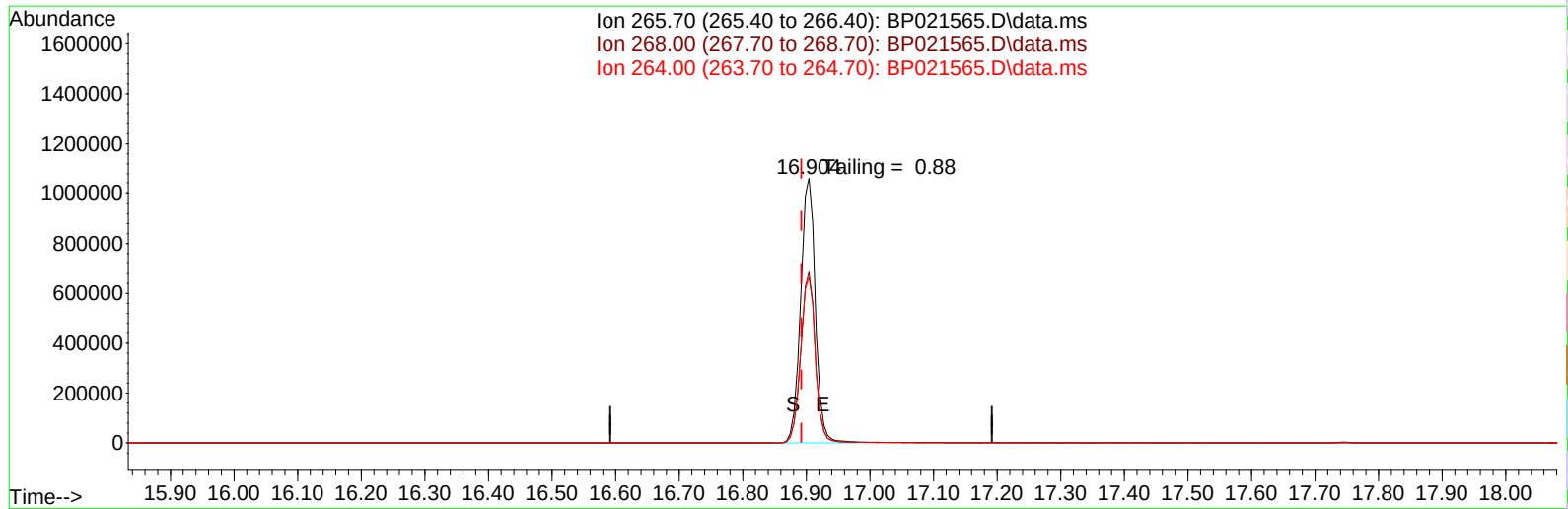
DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/20/2024	BNA_P	<u>BP021565.D</u>
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

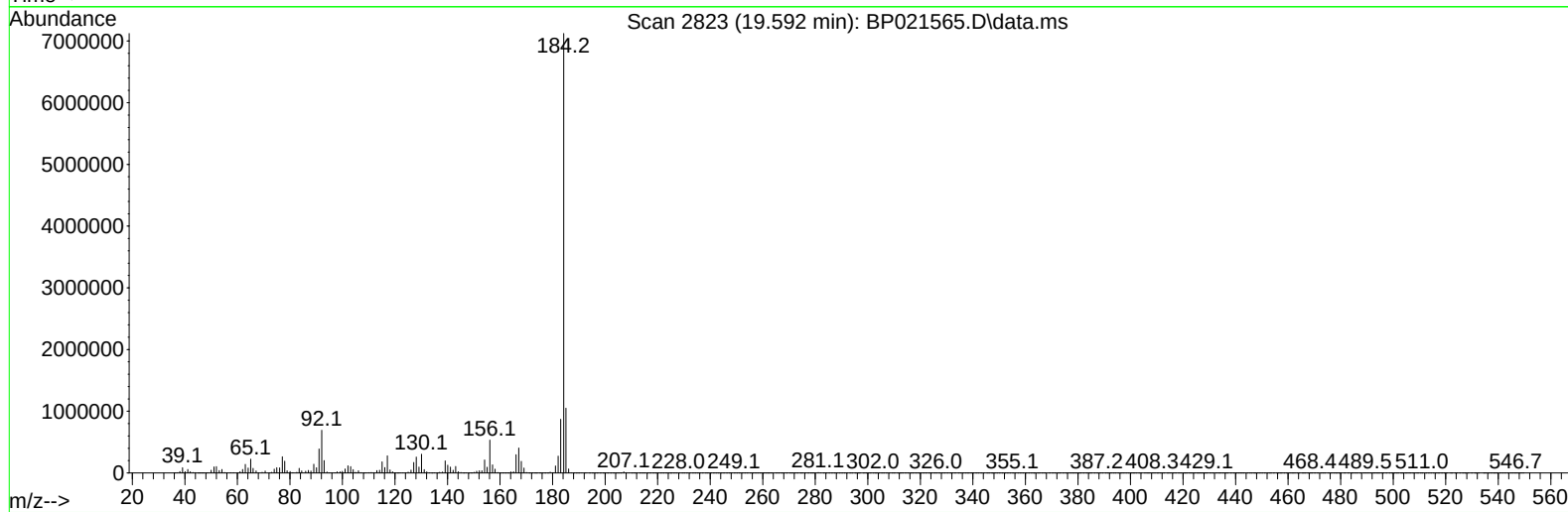
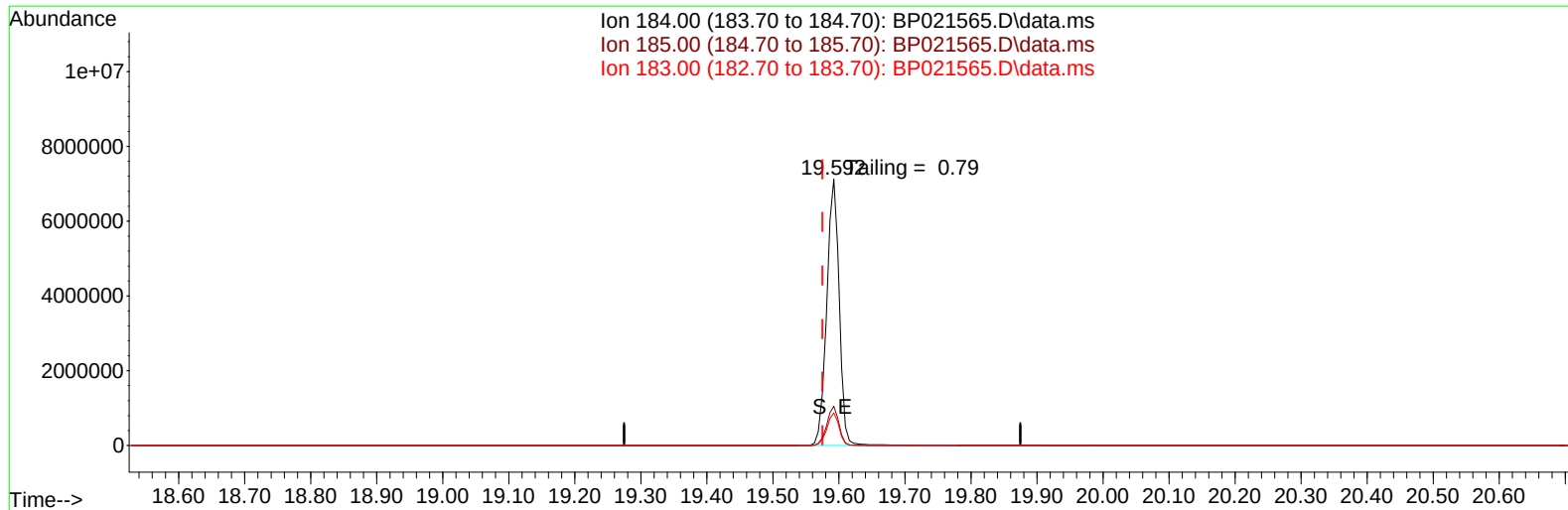
response 1726349

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

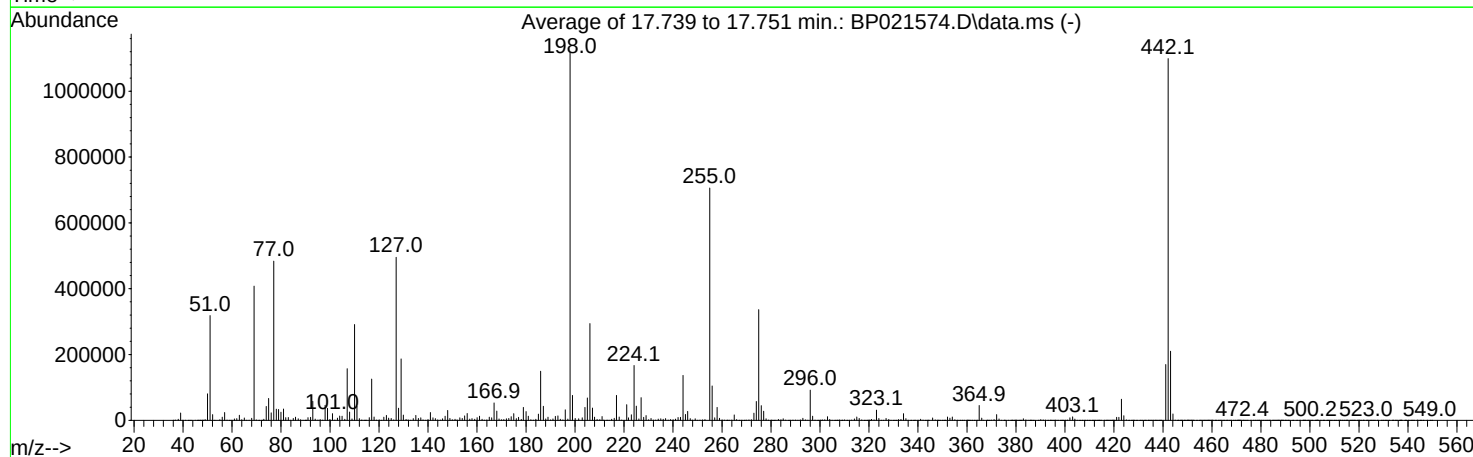
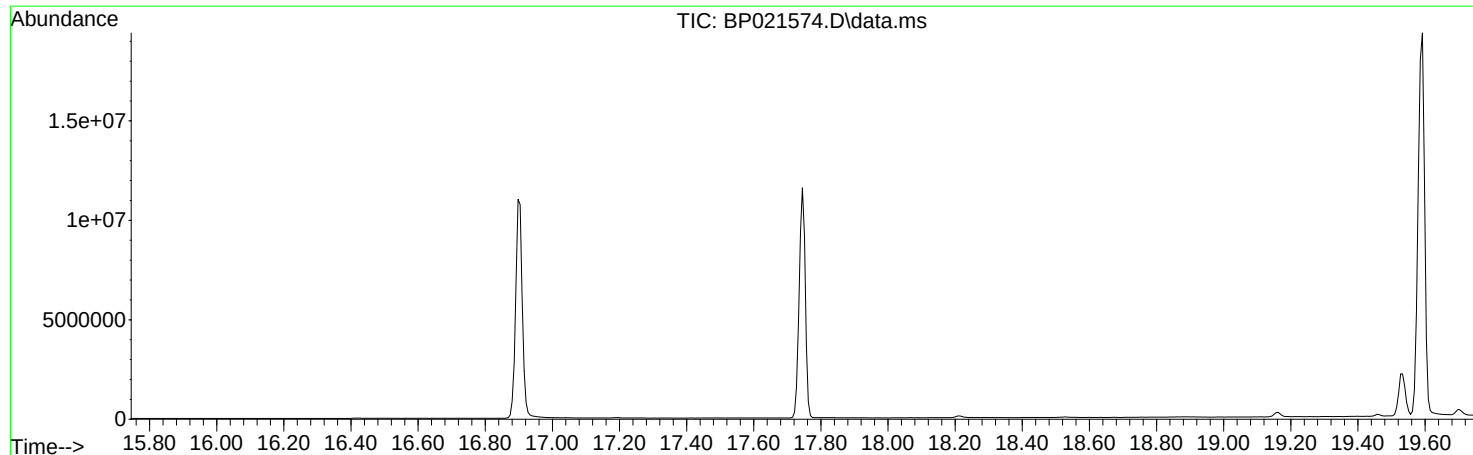
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	14.73
183.00	11.60	12.22
0.00	0.00	0.00

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

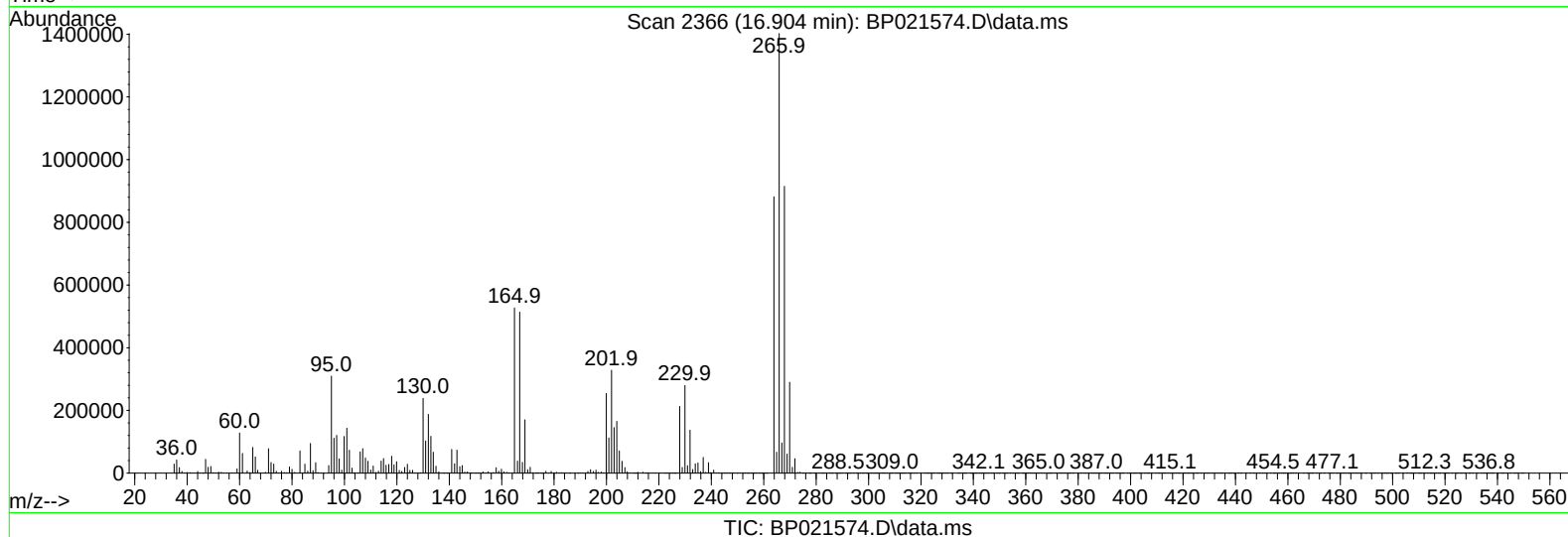
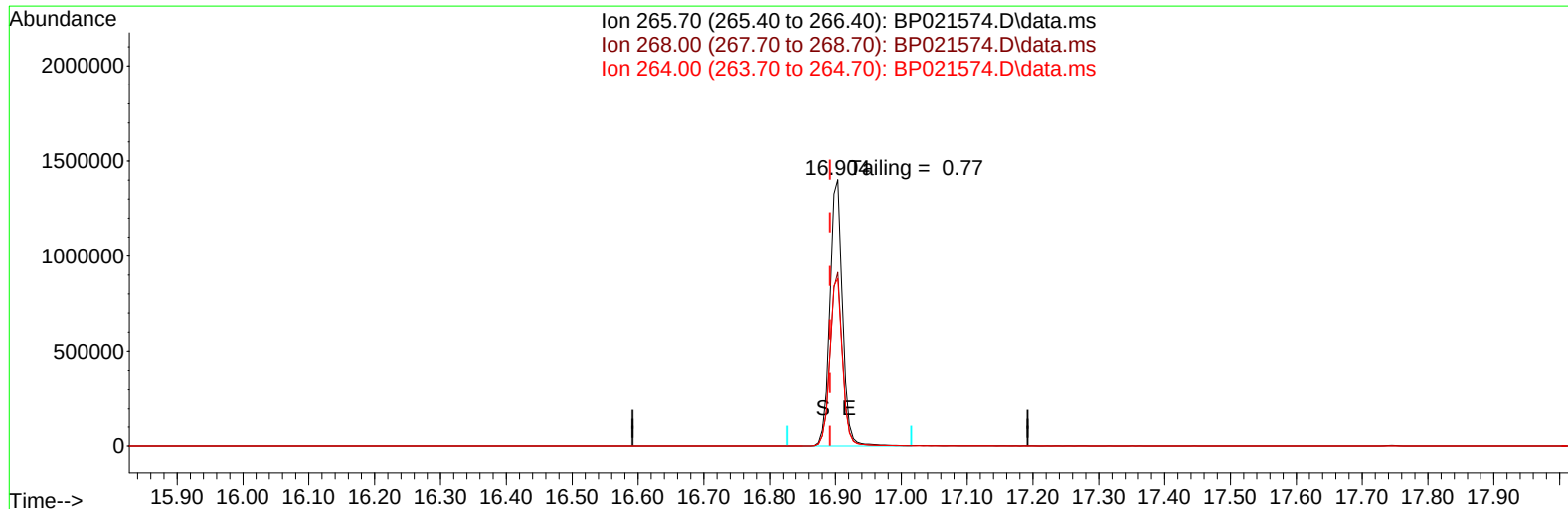
DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/20/2024	BNA_P	<u>BP021574.D</u>
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

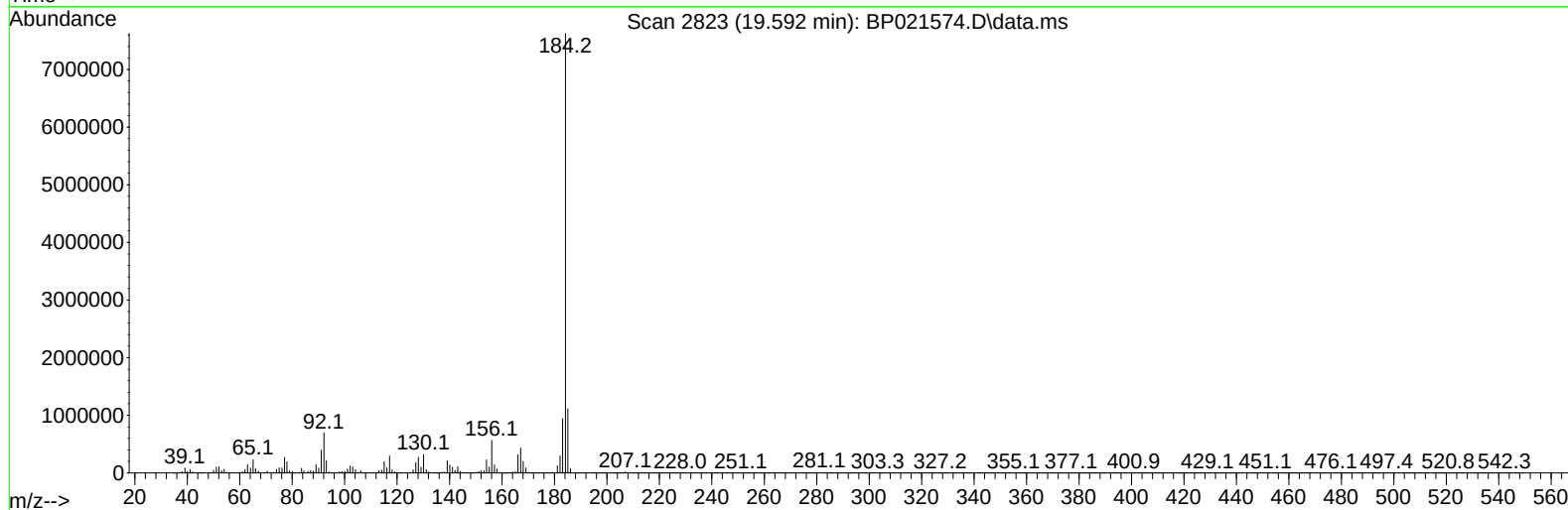
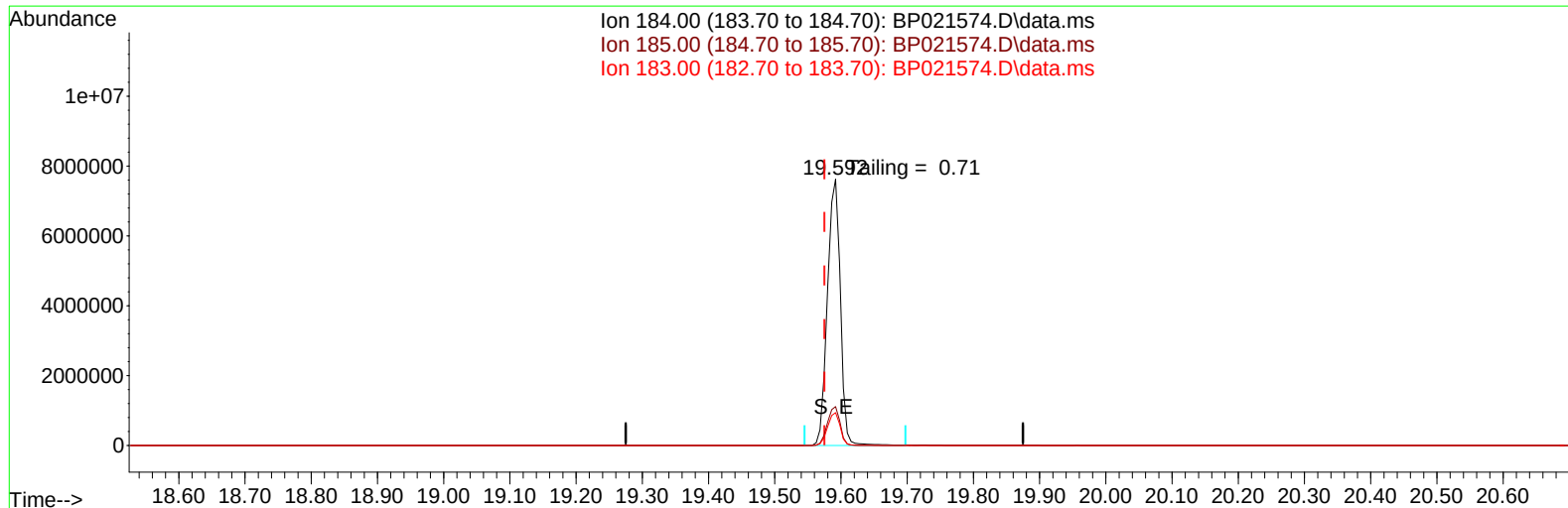
response 1882505

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

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

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

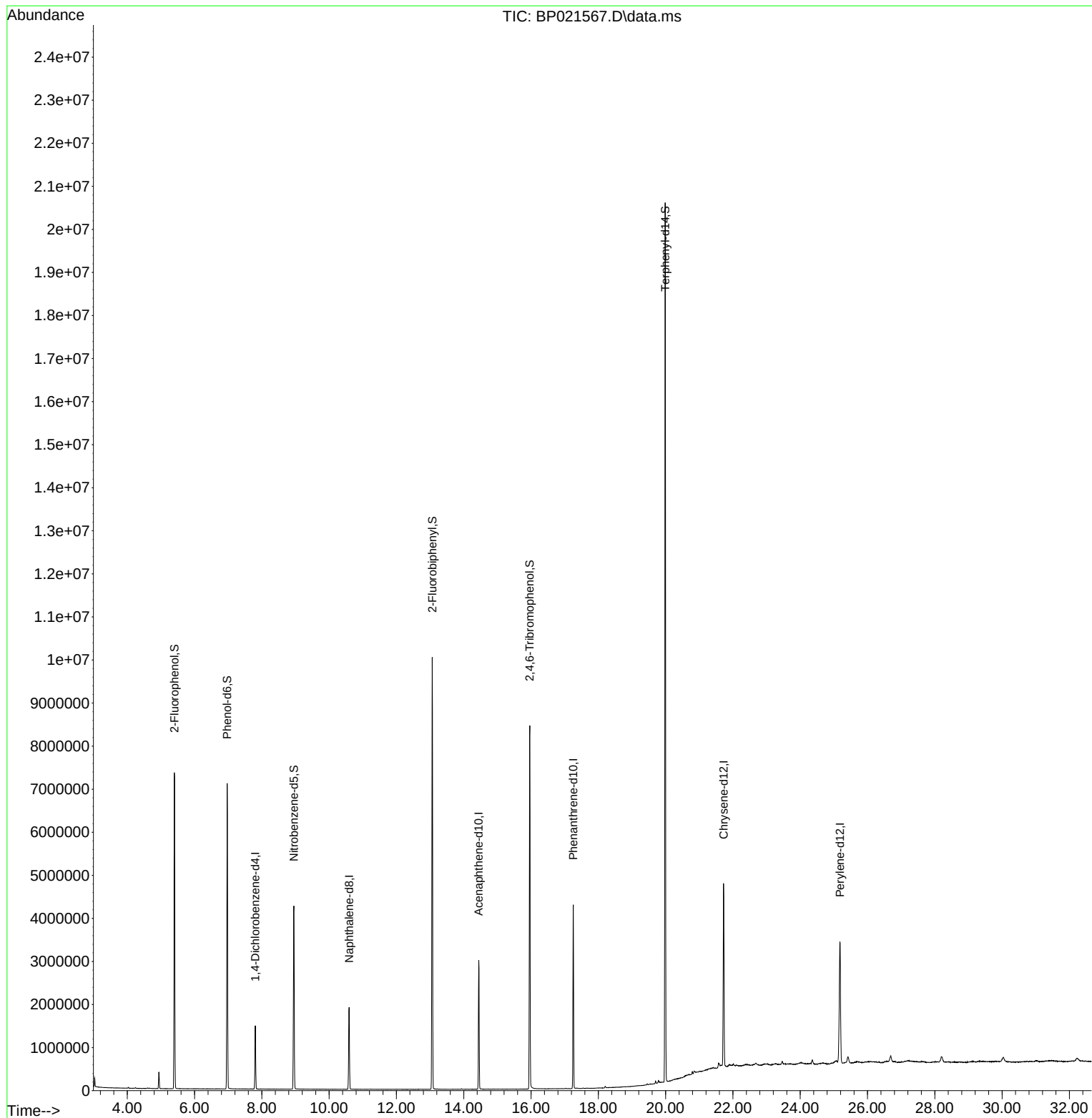
Target Compounds	Qvalue

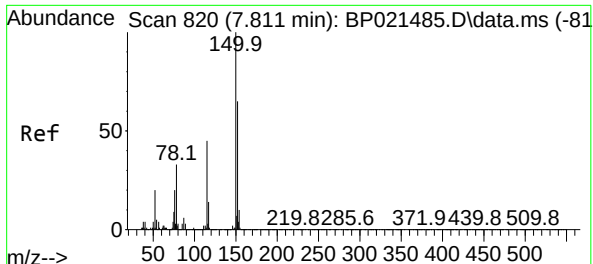
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

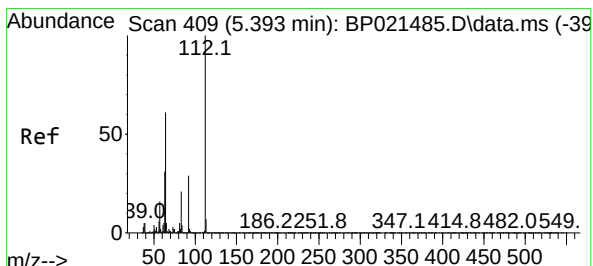
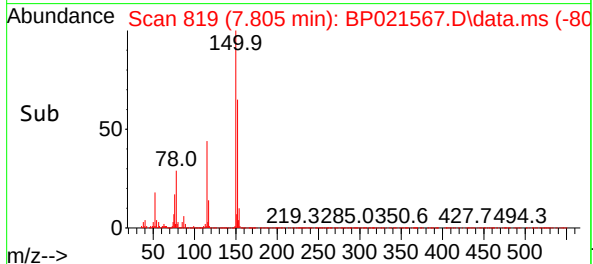
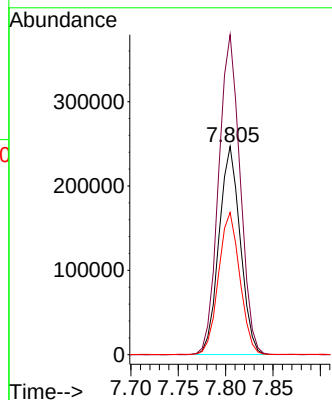
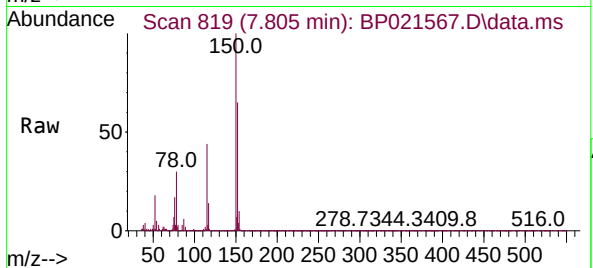




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

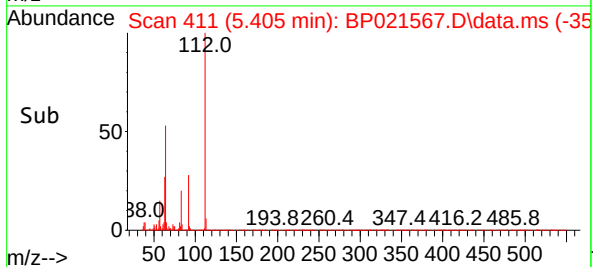
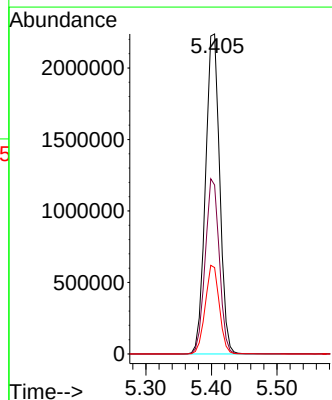
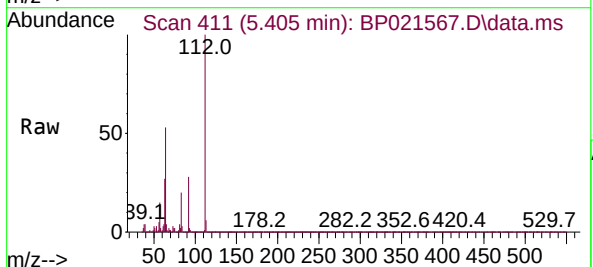
Instrument :
BNA_P
ClientSampleId :
PB162822BL

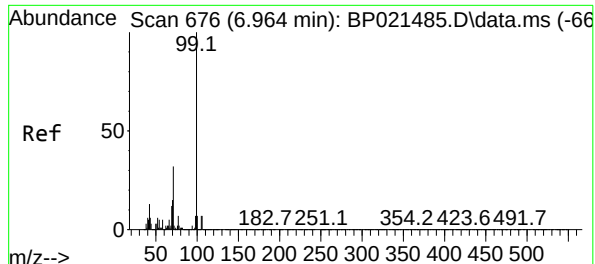
Tgt Ion:152 Resp: 385209
Ion Ratio Lower Upper
152 100
150 153.6 122.4 183.6
115 68.3 54.7 82.1



#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

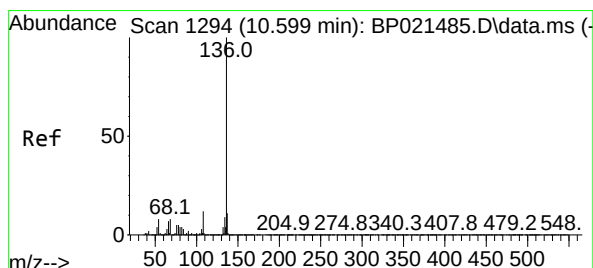
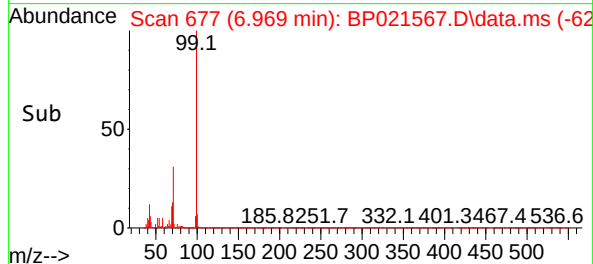
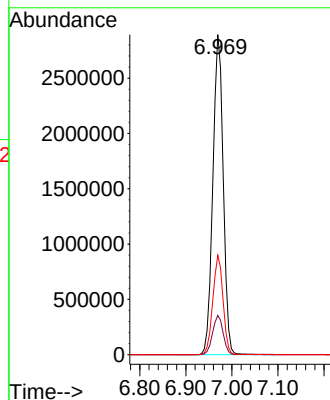
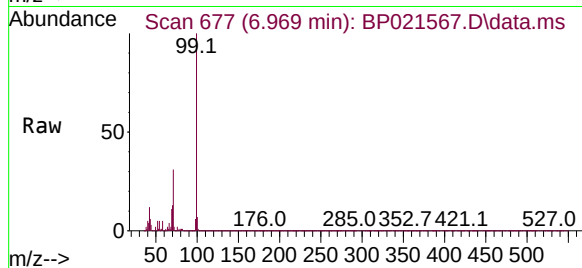




#7
Phenol-d6
Concen: 119.556 ng
RT: 6.969 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

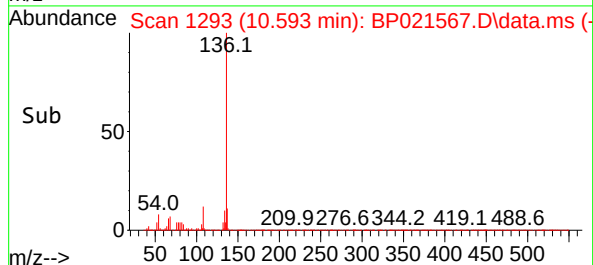
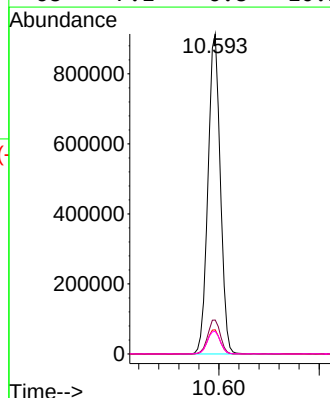
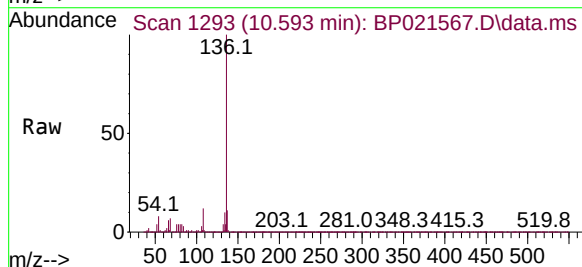
Instrument :
BNA_P
ClientSampleId :
PB162822BL

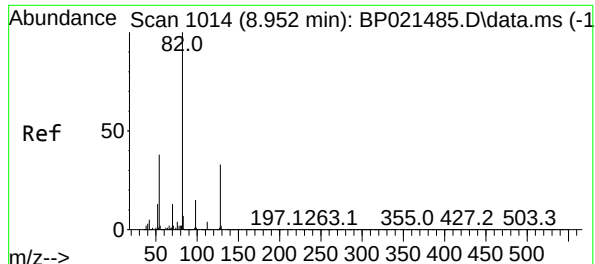
Tgt Ion: 99 Resp: 4524489
Ion Ratio Lower Upper
99 100
42 12.3 10.2 15.4
71 31.1 25.8 38.8



#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# 1014

Delta R.T. -0.000 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

Instrument :

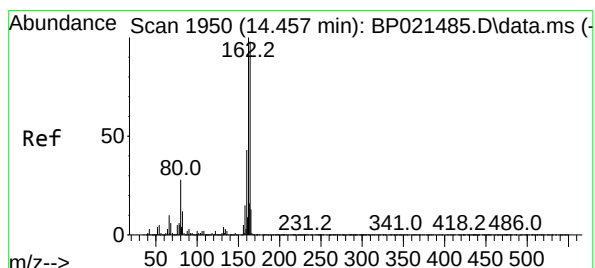
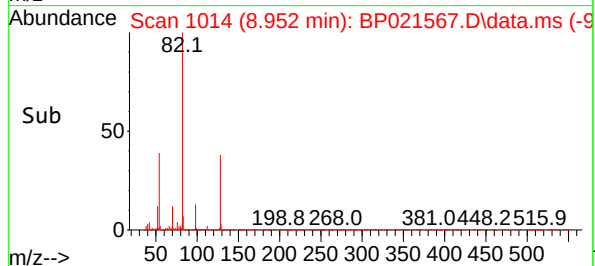
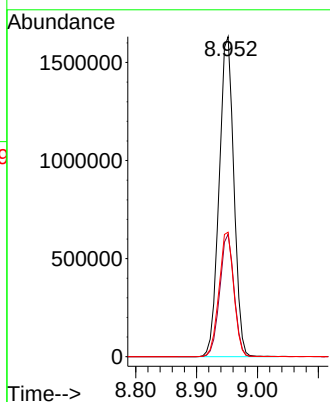
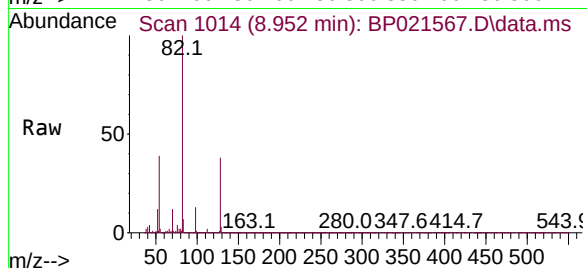
BNA_P

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

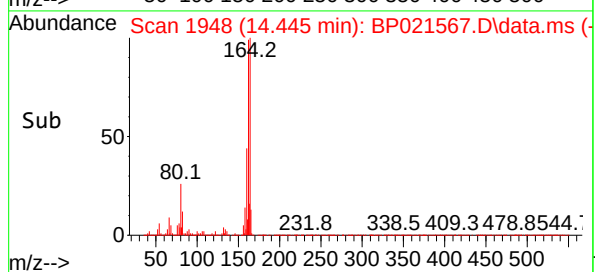
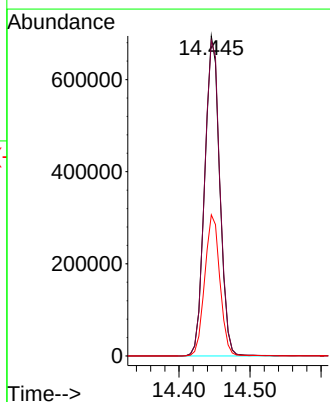
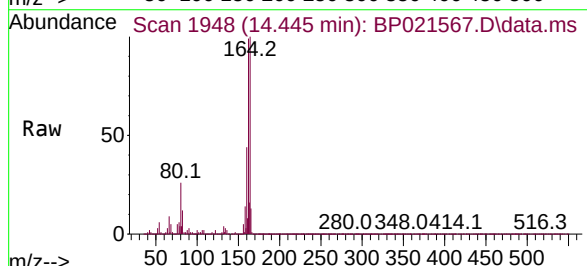
Delta R.T. -0.012 min

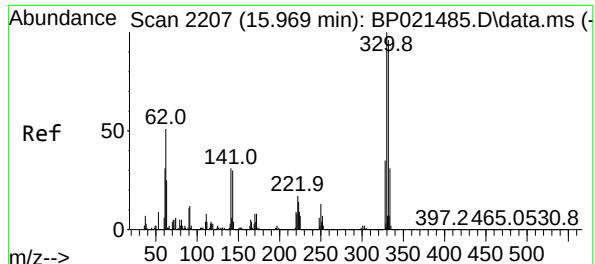
Lab File: BP021567.D

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# 21

Delta R.T. -0.006 min

Lab File: BP021567.D

Acq: 20 Aug 2024 10:49

Instrument :

BNA_P

ClientSampleId :

PB162822BL

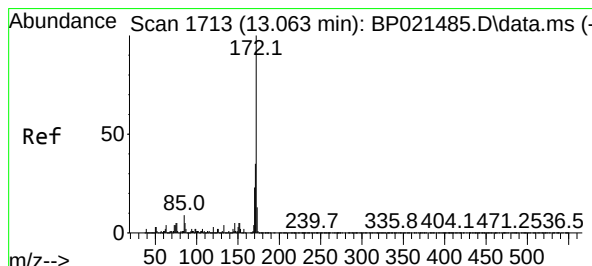
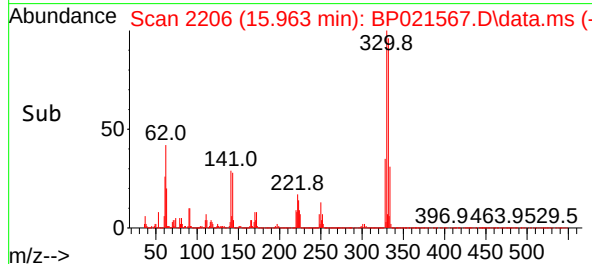
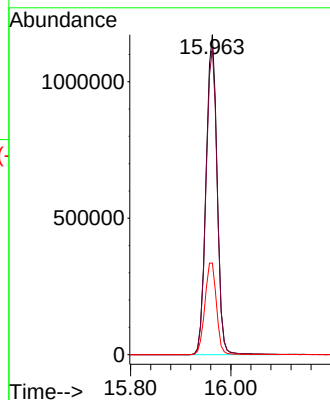
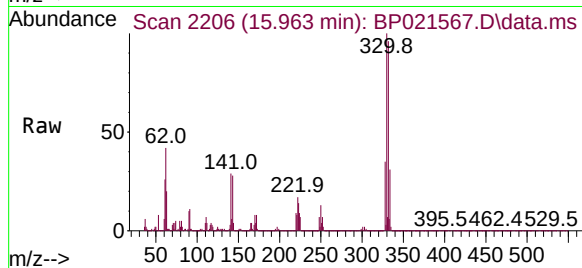
Tgt Ion:330 Resp: 1796946

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

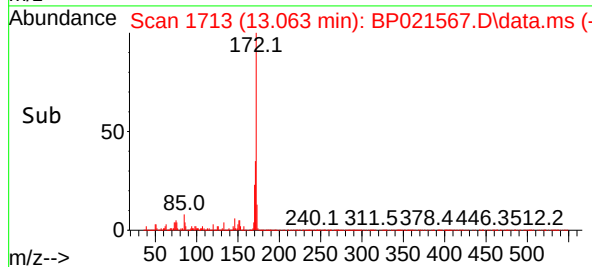
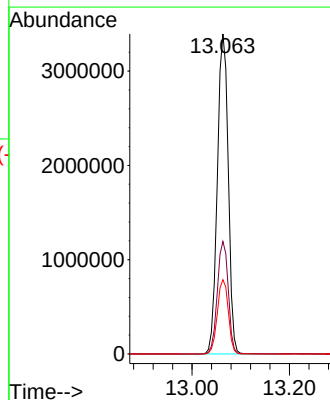
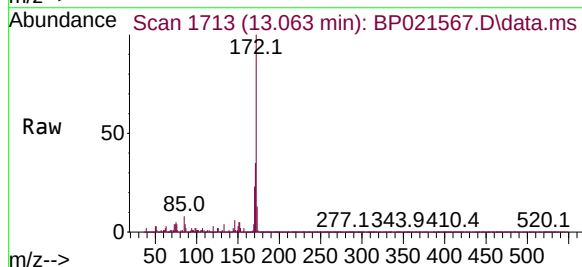
Tgt Ion:172 Resp: 5272853

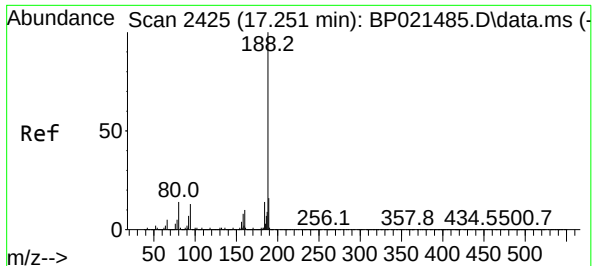
Ion Ratio Lower Upper

172 100

171 35.2 28.2 42.4

170 23.2 18.4 27.6

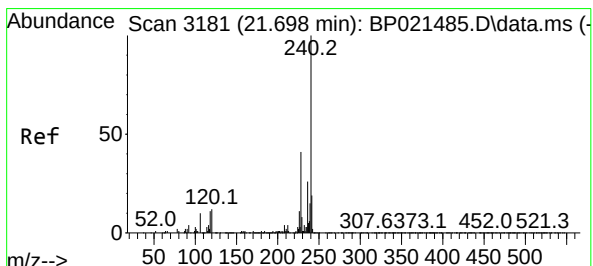
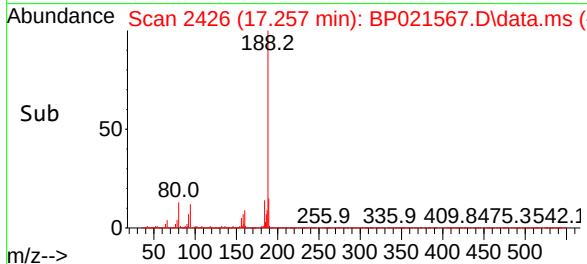
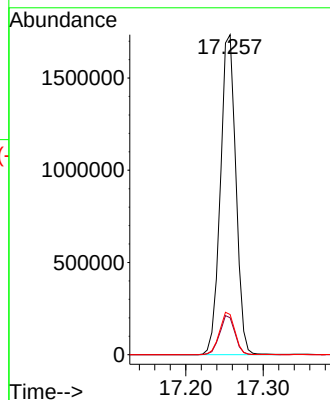
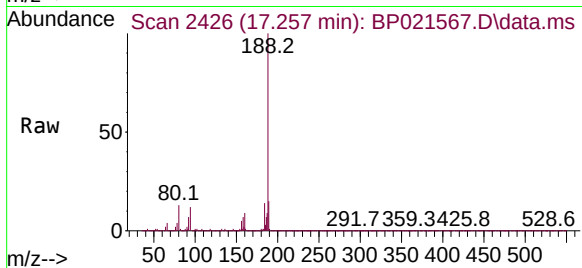




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

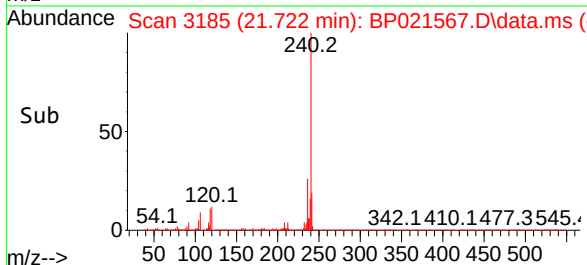
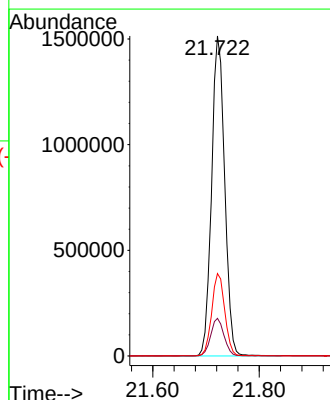
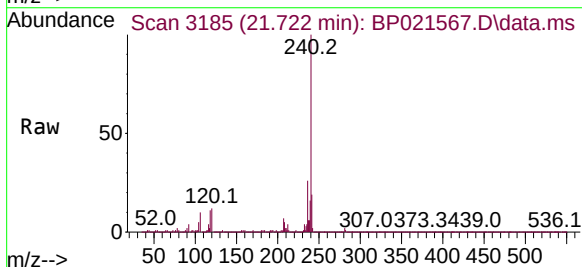
Instrument :
BNA_P
ClientSampleId :
PB162822BL

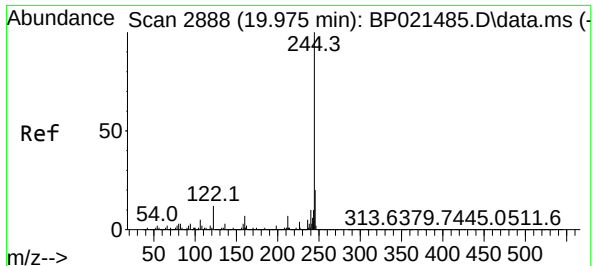
Tgt Ion:188 Resp: 2408801
Ion Ratio Lower Upper
188 100
94 11.6 10.2 15.4
80 12.6 11.6 17.4



#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

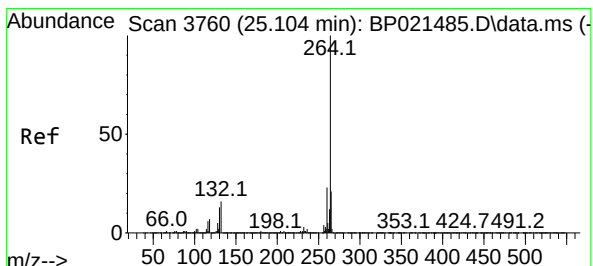
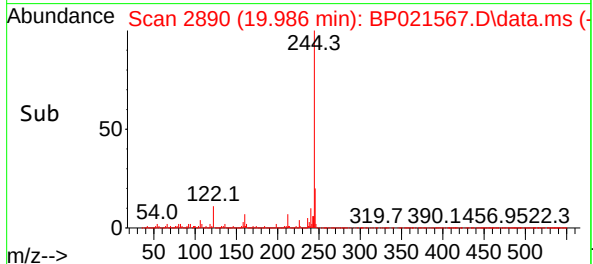
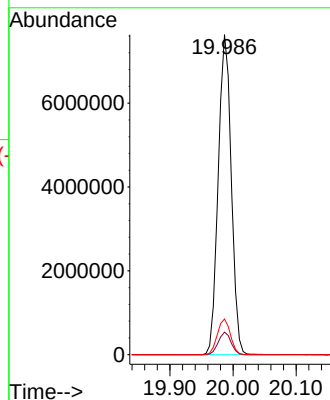
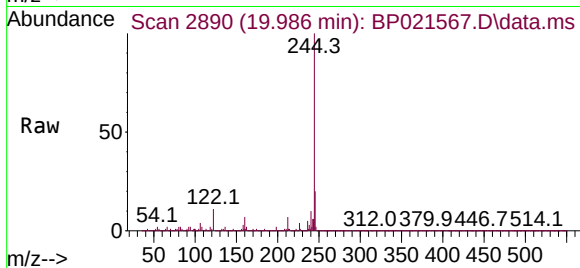




#79
Terphenyl-d14
Concen: 82.358 ng
RT: 19.986 min Scan# 21
Delta R.T. 0.011 min
Lab File: BP021567.D
Acq: 20 Aug 2024 10:49

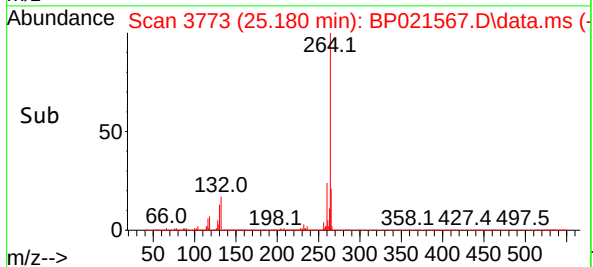
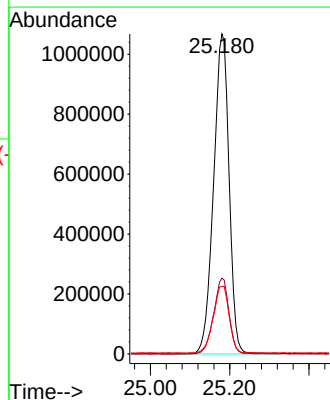
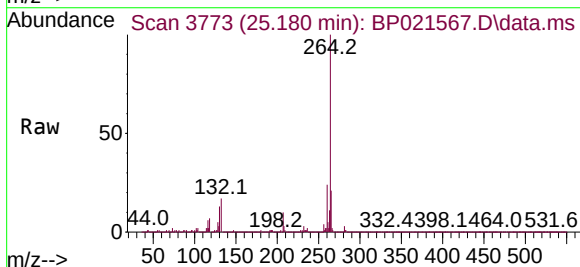
Instrument :
BNA_P
ClientSampleId :
PB162822BL

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



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

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
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

Instrument :

BNA_P

ClientSampleId :

PB162822BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024

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

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

Instrument :
 BNA_P
 ClientSampleId :
 PB162822BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/21/2024
 Supervised By :mohammad ahmed 08/22/2024

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

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

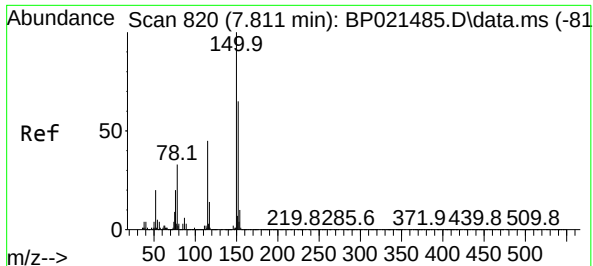
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
PB162822BS

Manual Integrations

Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024





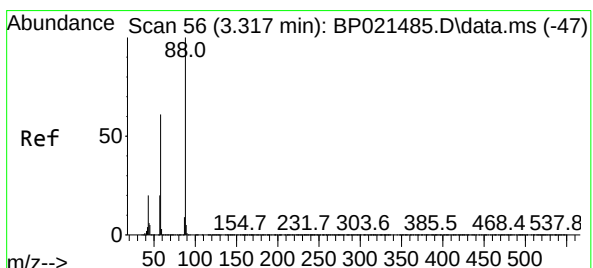
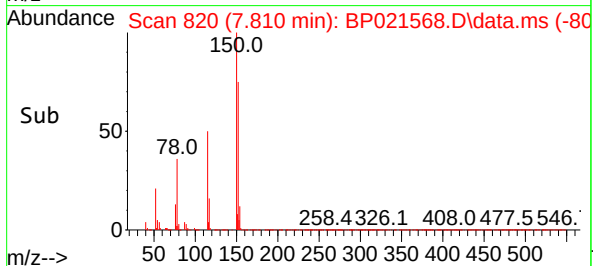
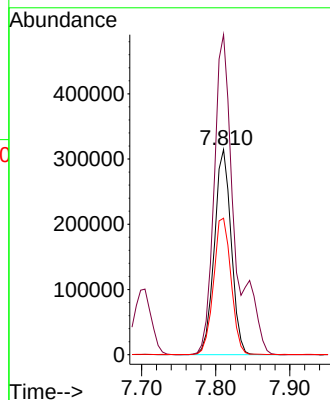
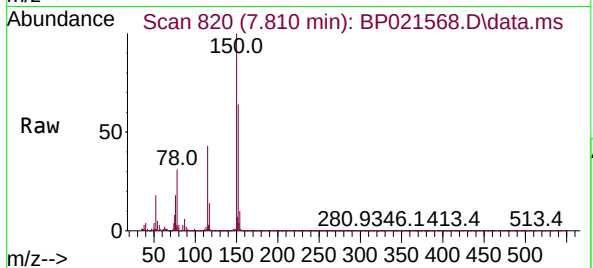
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.001 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :
BNA_P
ClientSampleId :
PB162822BS

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

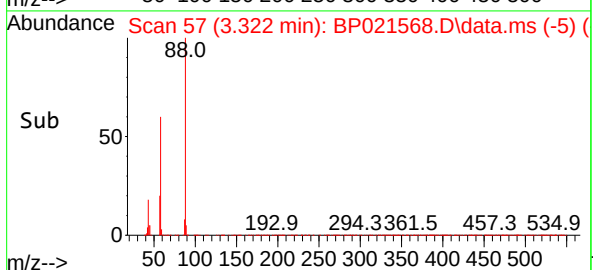
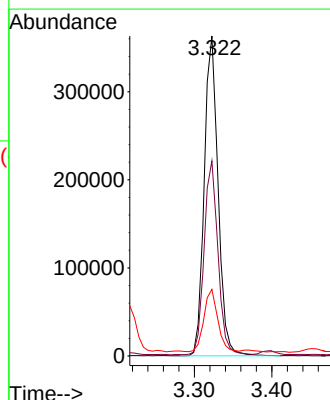
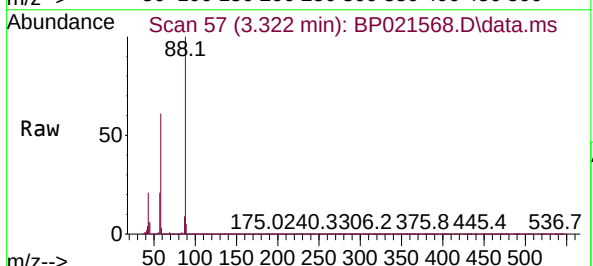
Manual Integrations
APPROVED

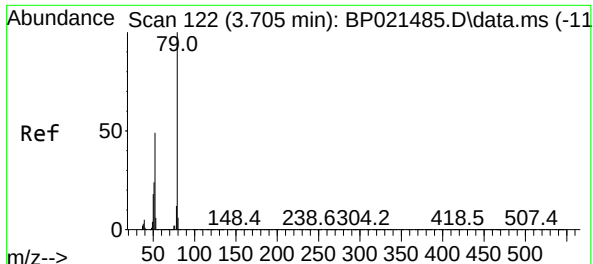
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 107
Delta R.T. 0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

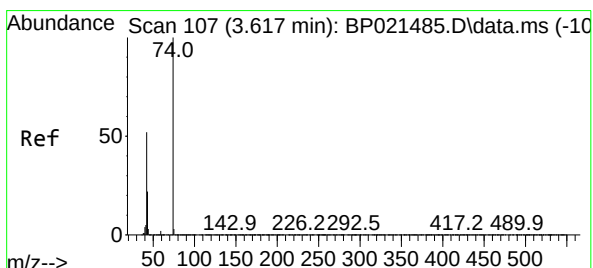
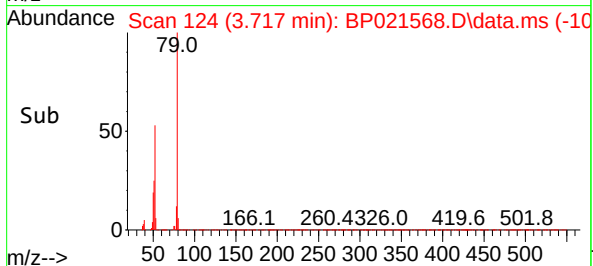
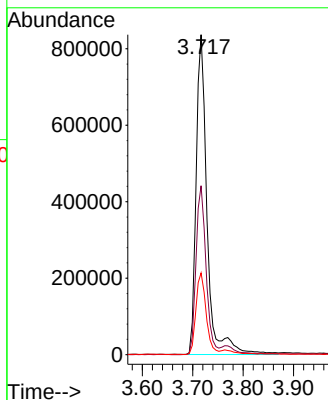
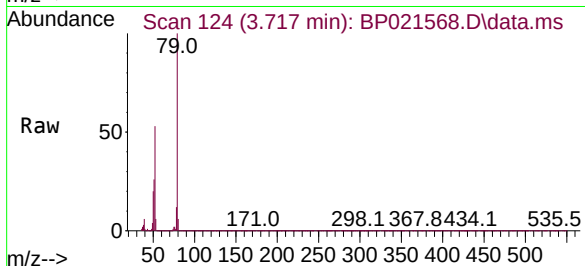
ClientSampleId :

PB162822BS

Tgt Ion: 79 Resp: 1265449
Ion Ratio Lower Upper
79 100
52 52.8 39.0 58.6
51 25.6 19.2 28.8

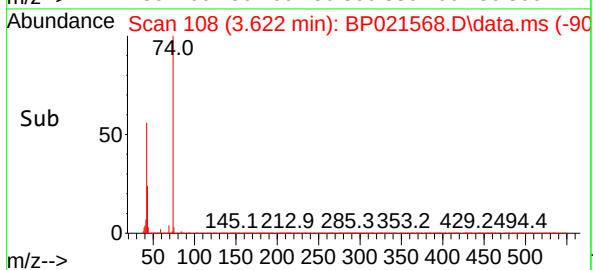
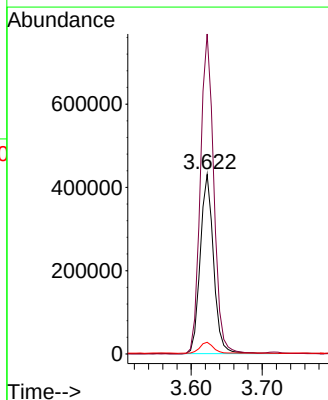
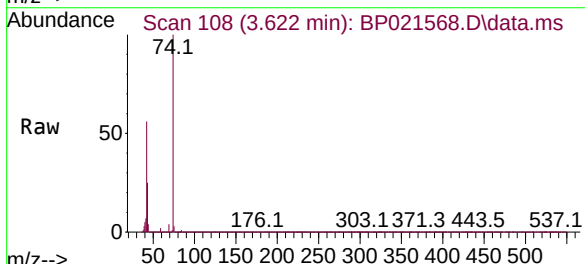
Manual Integrations
APPROVED

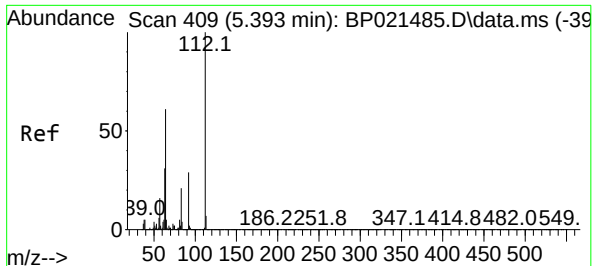
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





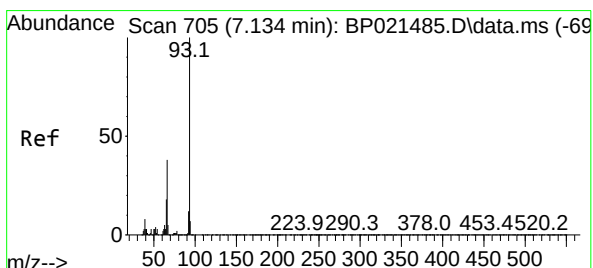
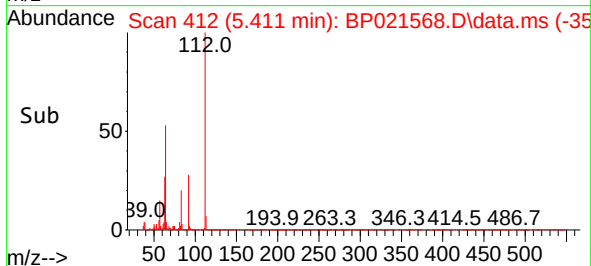
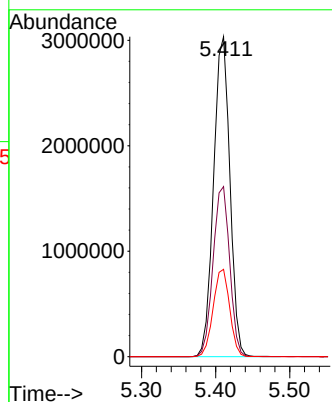
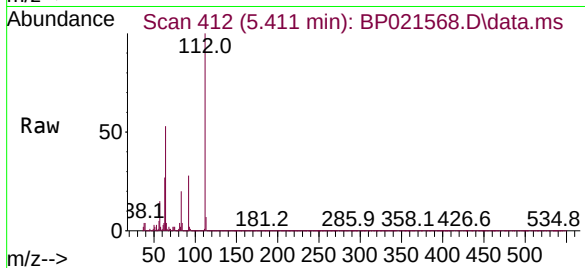
#5
2-Fluorophenol
Concen: 139.062 ng
RT: 5.411 min Scan# 412
Delta R.T. 0.018 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :
BNA_P
ClientSampleId :
PB162822BS

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

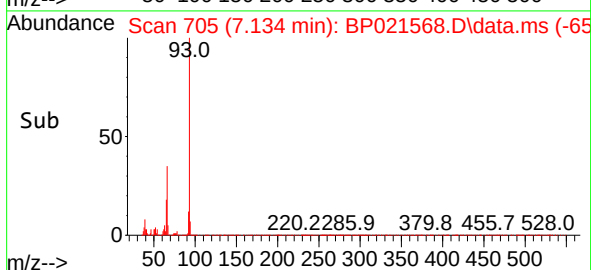
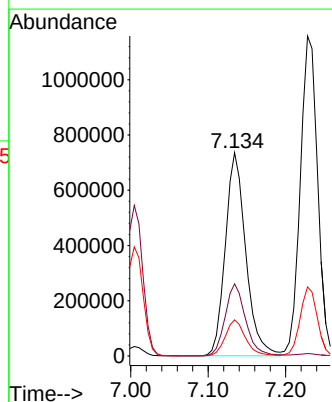
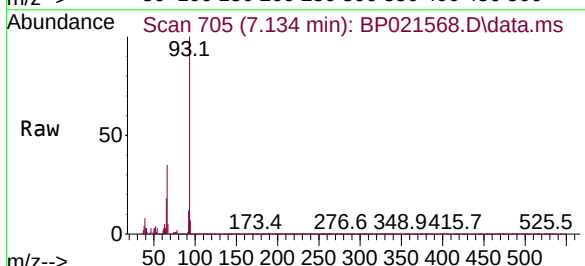
Manual Integrations
APPROVED

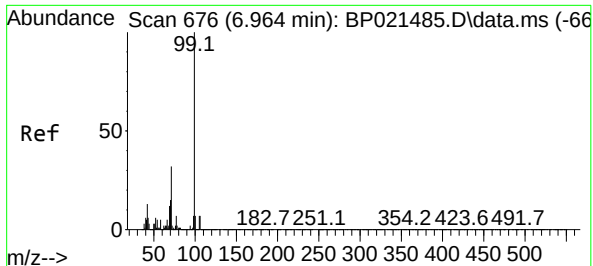
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





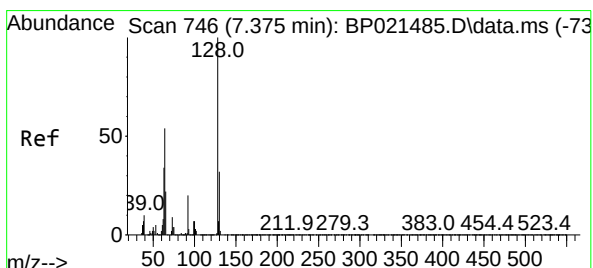
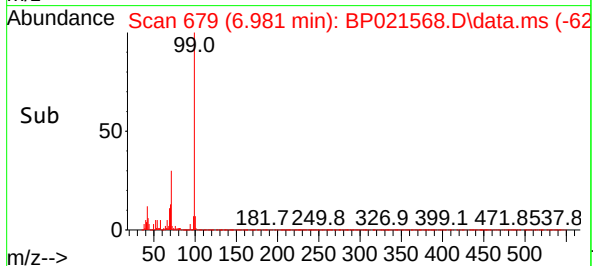
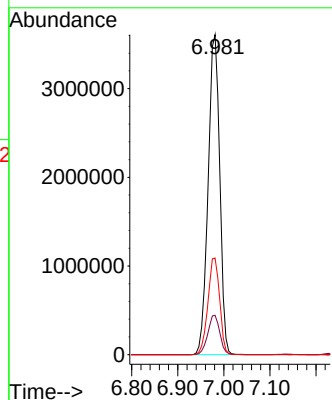
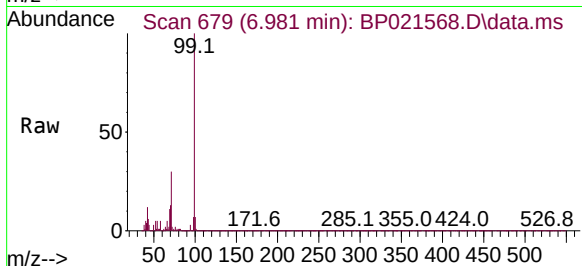
#7
Phenol-d6
Concen: 130.771 ng
RT: 6.981 min Scan# 61
Delta R.T. 0.018 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :
BNA_P
ClientSampleId :
PB162822BS

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

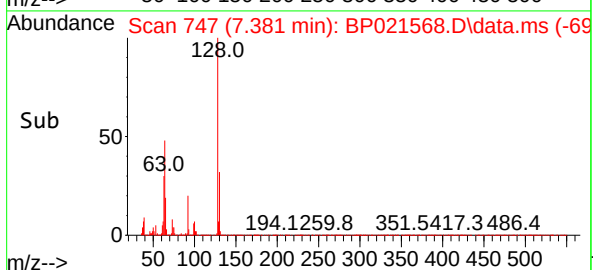
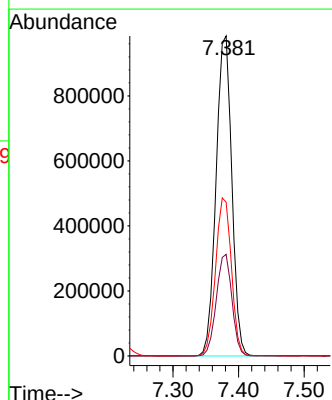
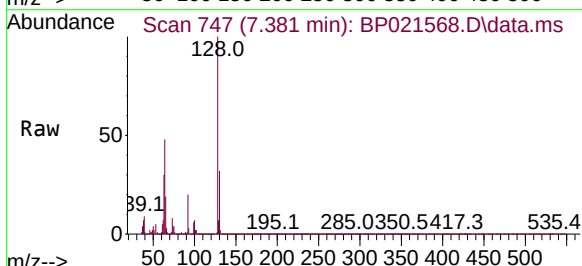
Manual Integrations
APPROVED

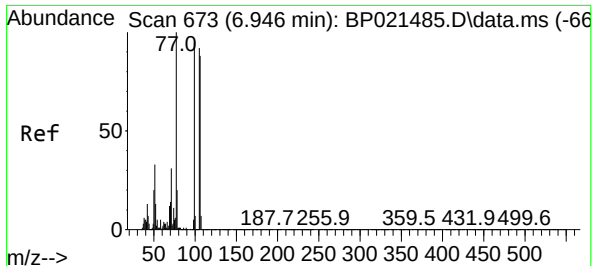
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





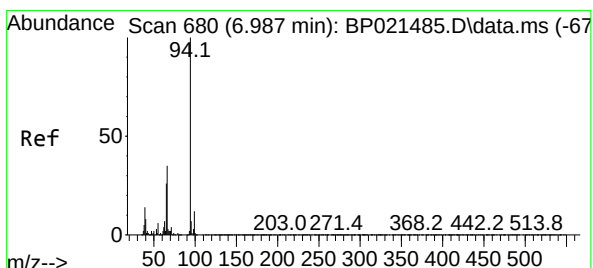
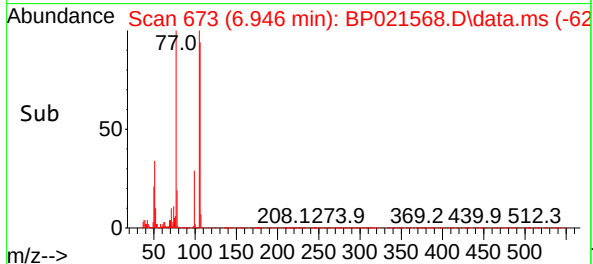
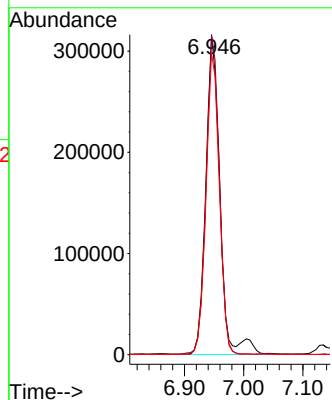
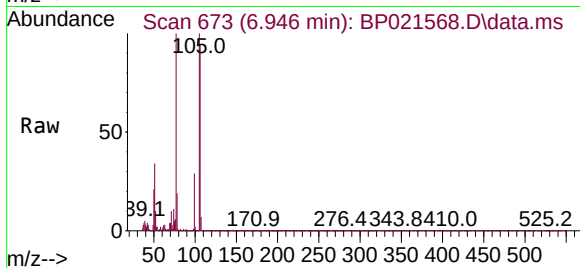
#9
Benzaldehyde
Concen: 16.825 ng m
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :
BNA_P
ClientSampleId :
PB162822BS

Tgt Ion: 77 Resp: 523494
Ion Ratio Lower Upper
77 100
105 99.7 72.1 112.1
106 94.2 67.9 107.9

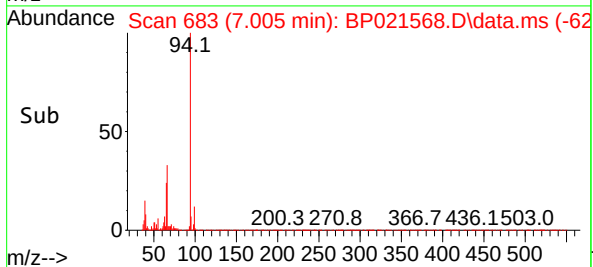
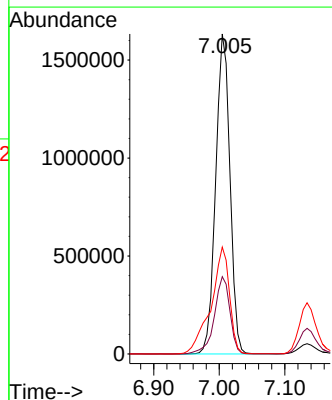
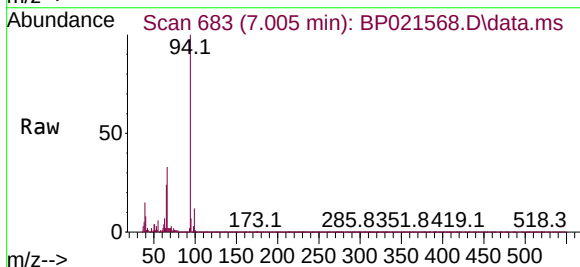
Manual Integrations
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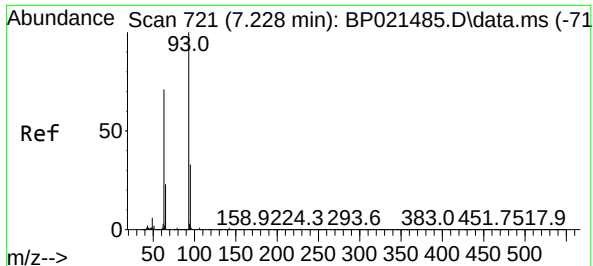
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 721

Delta R.T. -0.000 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS

Tgt Ion: 93 Resp: 178722

Ion Ratio Lower Upper

93 100

63 67.0 51.0 91.0

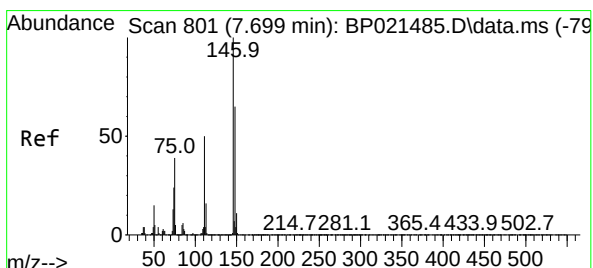
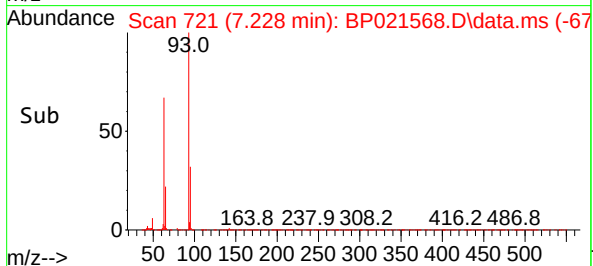
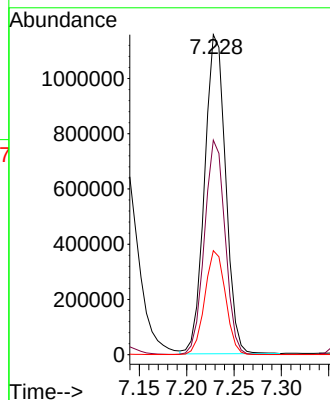
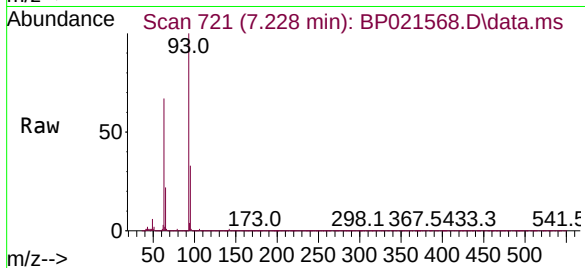
95 32.5 12.9 52.9

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: 43.844 ng

RT: 7.705 min Scan# 802

Delta R.T. 0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

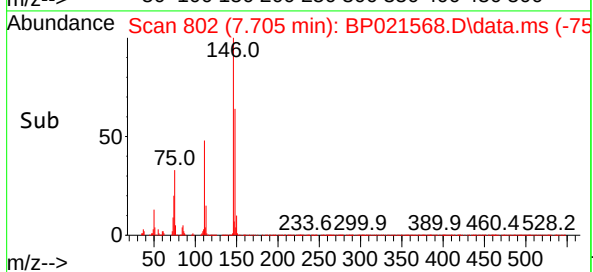
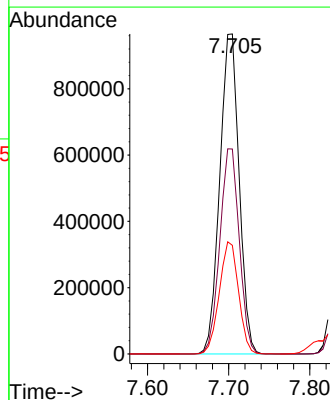
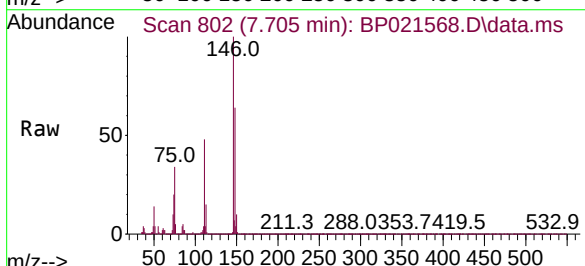
Tgt Ion:146 Resp: 1603283

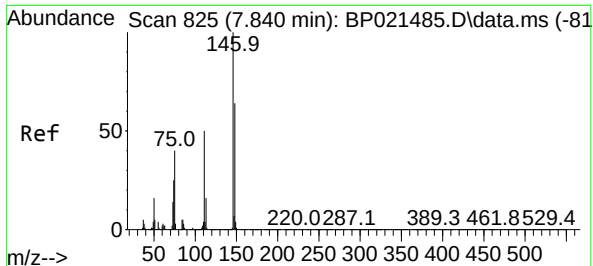
Ion Ratio Lower Upper

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# 81

Delta R.T. 0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS

Tgt Ion:146 Resp: 162675

Ion Ratio Lower Upper

146 100

148 64.3 51.5 77.3

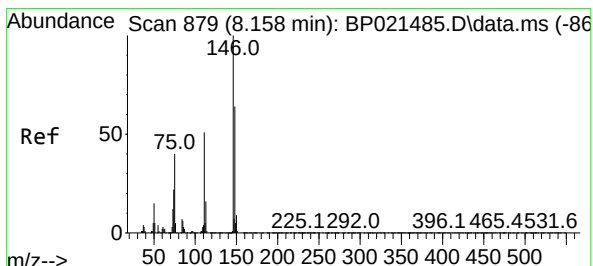
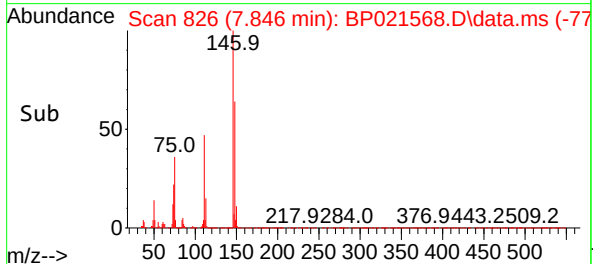
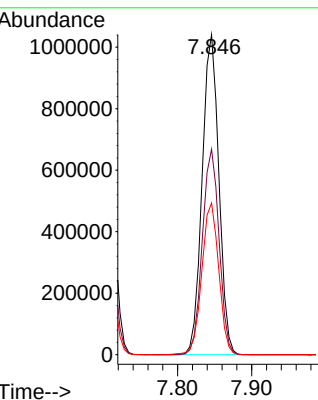
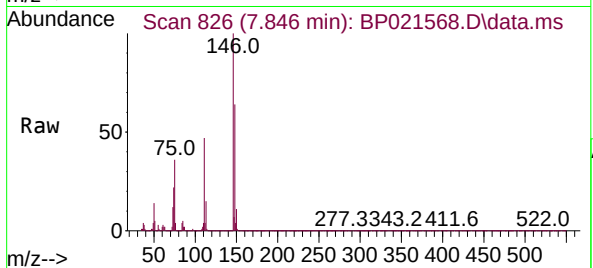
111 47.4 40.3 60.5

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

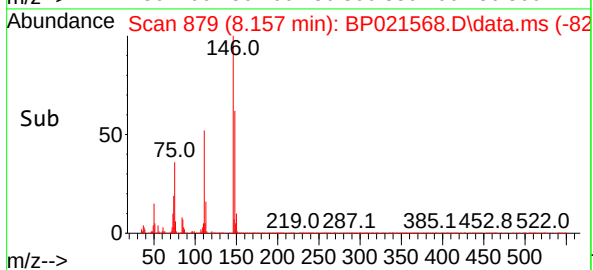
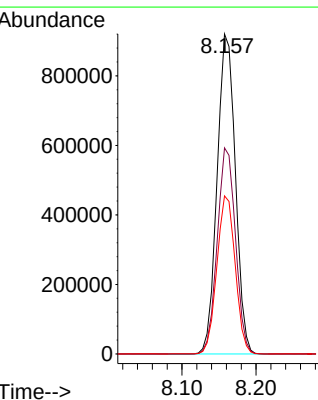
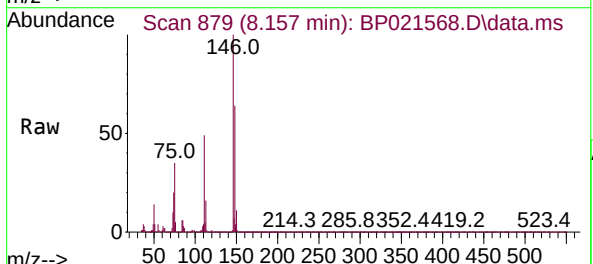
Tgt Ion:146 Resp: 1576656

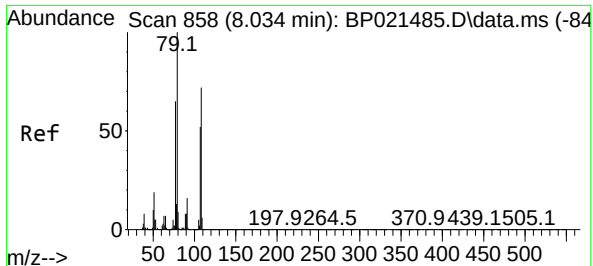
Ion Ratio Lower Upper

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# 80

Delta R.T. 0.012 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS

Tgt Ion: 79 Resp: 1665499

Ion Ratio Lower Upper

79 100

108 78.3 57.9 86.9

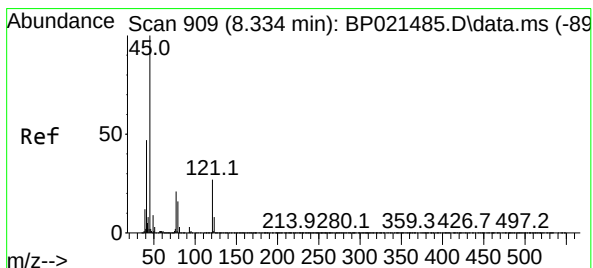
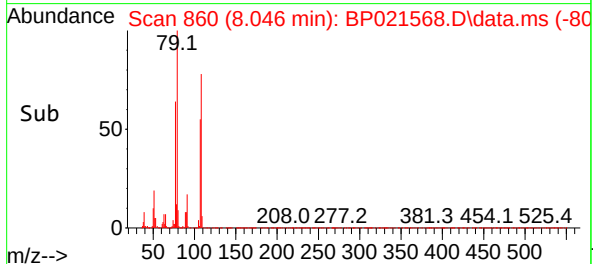
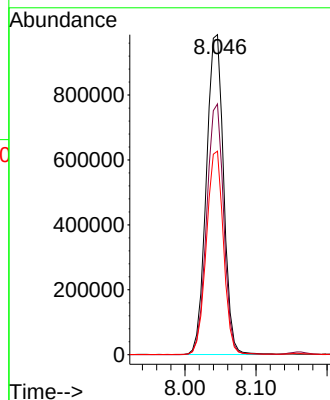
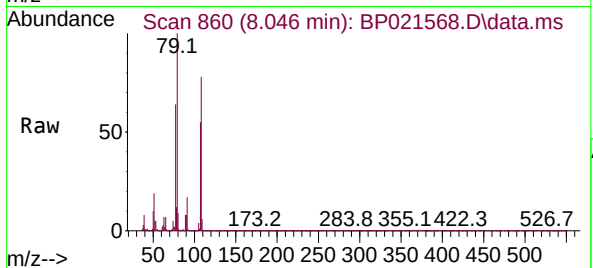
77 63.6 51.8 77.8

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

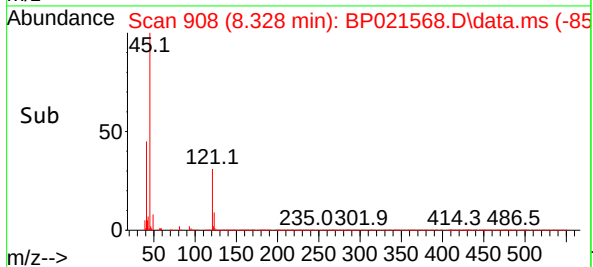
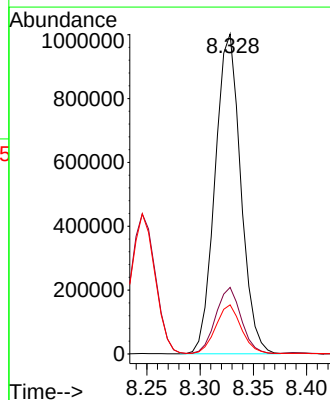
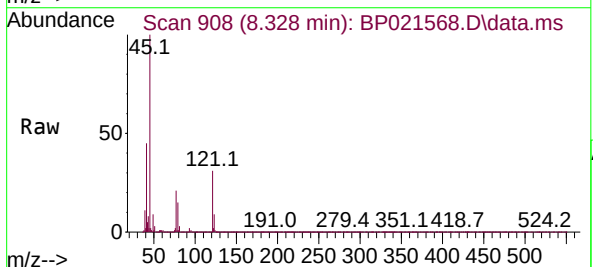
Tgt Ion: 45 Resp: 1679419

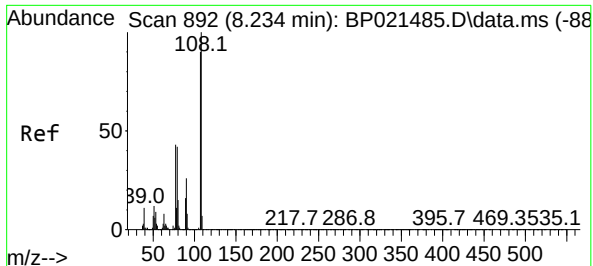
Ion Ratio Lower Upper

45 100

77 20.8 1.9 41.9

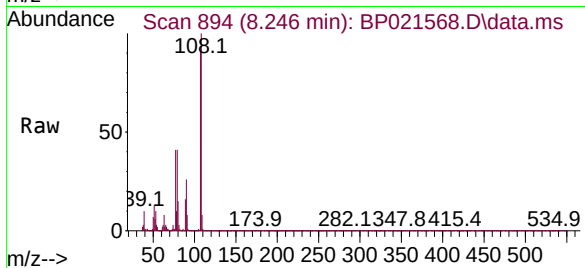
79 15.3 0.0 36.6





#17
2-Methylphenol
Concen: 49.719 ng
RT: 8.246 min Scan# 892
Delta R.T. 0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

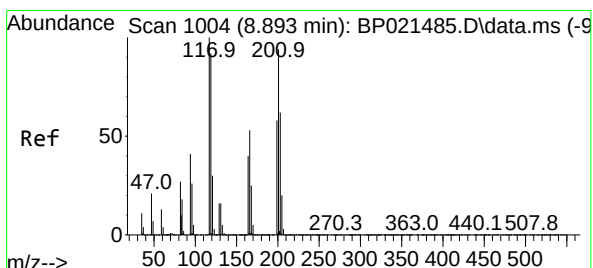
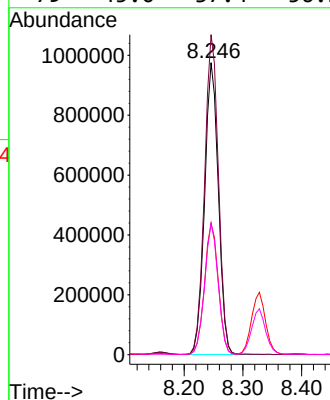
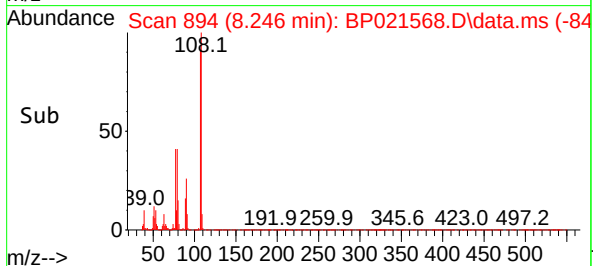
Instrument :
BNA_P
ClientSampleId :
PB162822BS



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

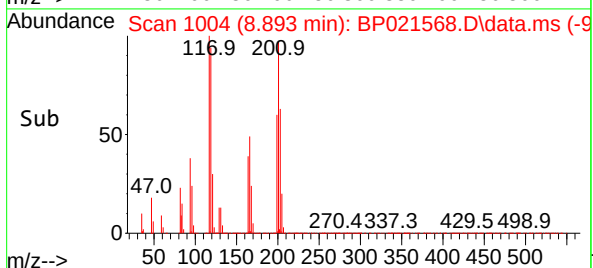
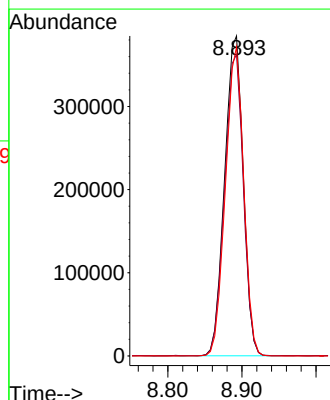
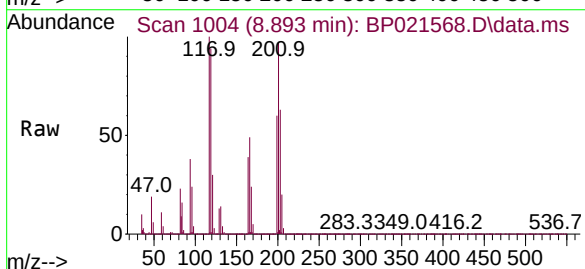
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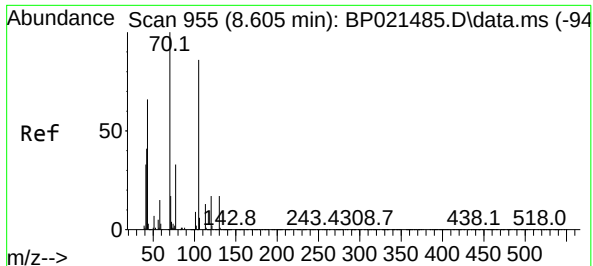
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 91

Delta R.T. 0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS

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

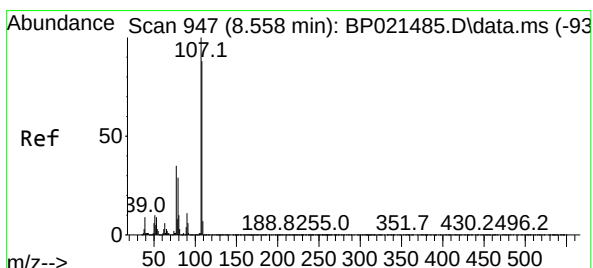
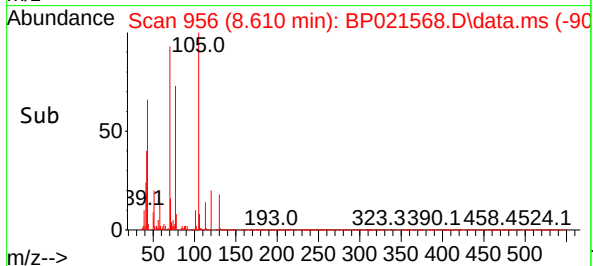
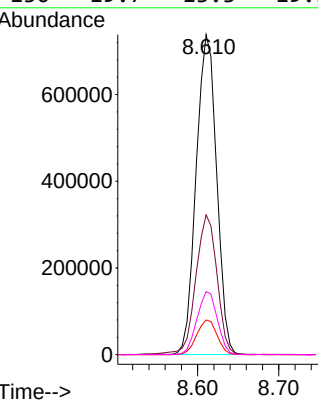
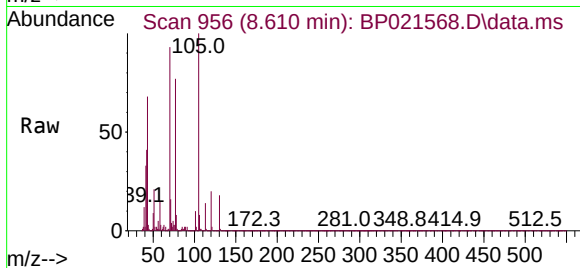
130 19.7 13.3 19.9

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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

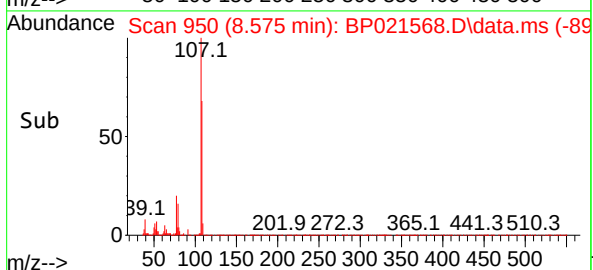
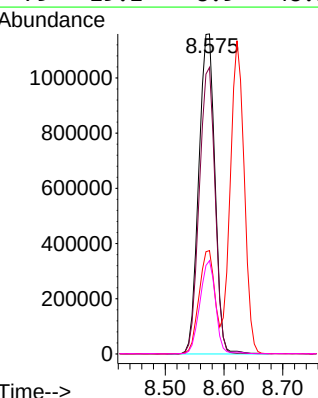
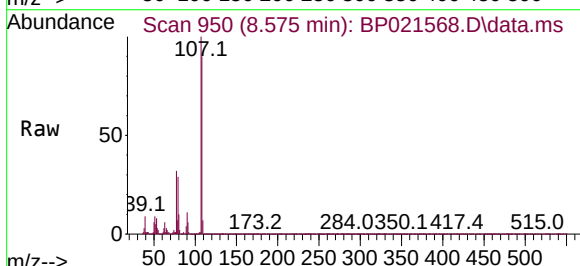
Ion Ratio Lower Upper

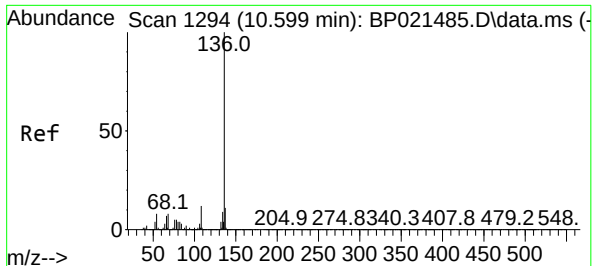
107 100

108 89.5 67.6 107.6

77 32.3 15.0 55.0

79 29.2 8.9 48.9





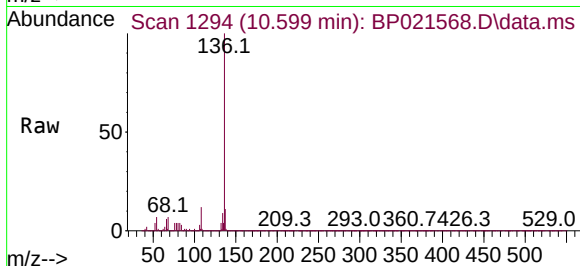
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.599 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS

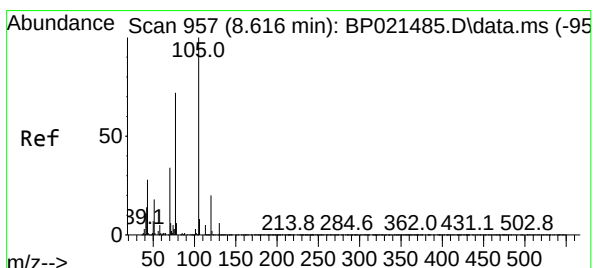
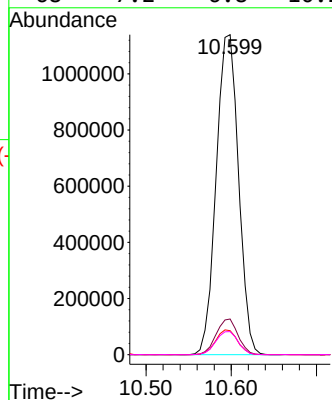
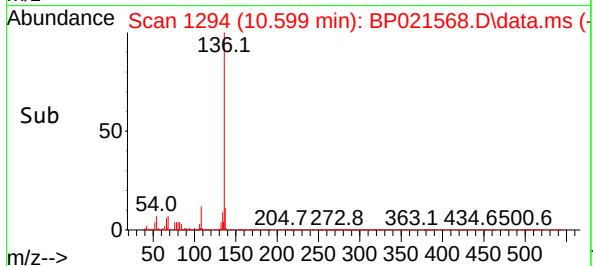


Tgt Ion:136 Resp: 207317

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

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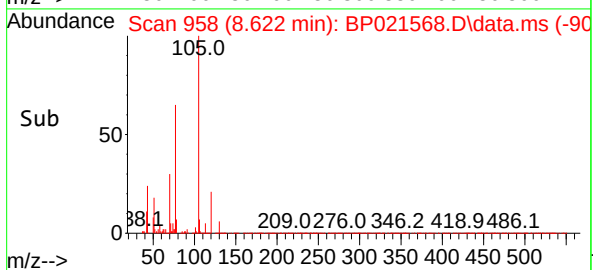
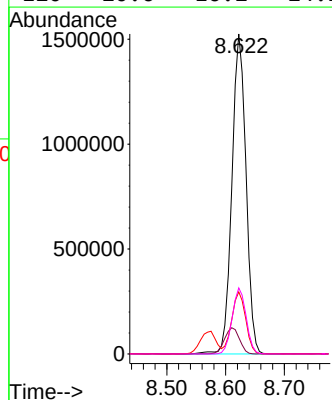
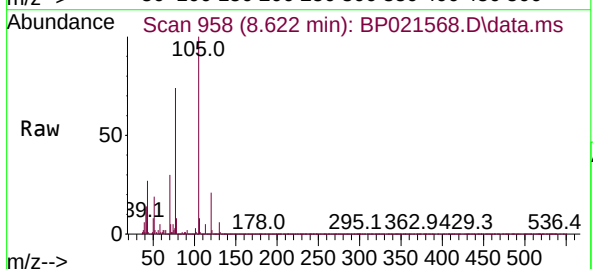
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

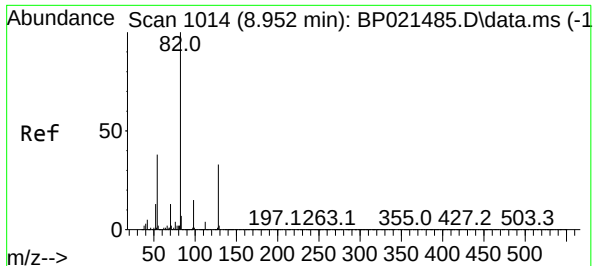


#22
Acetophenone
Concen: 39.810 ng
RT: 8.622 min Scan# 958
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

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# 1015

Delta R.T. 0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS

Tgt Ion: 82 Resp: 376403

Ion Ratio Lower Upper

82 100

128 38.2 26.5 39.7

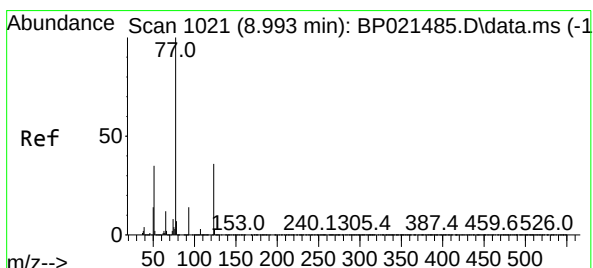
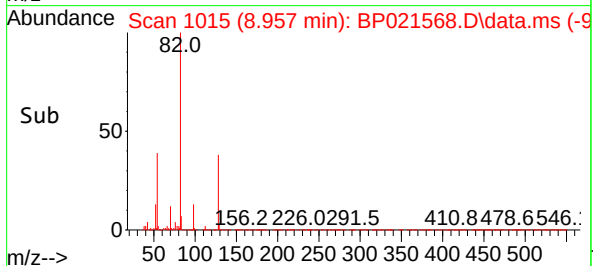
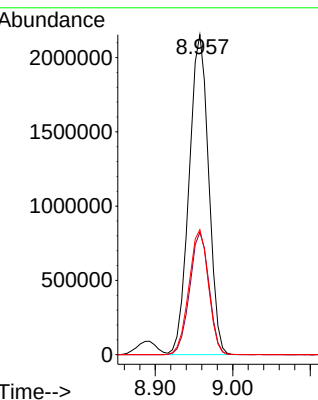
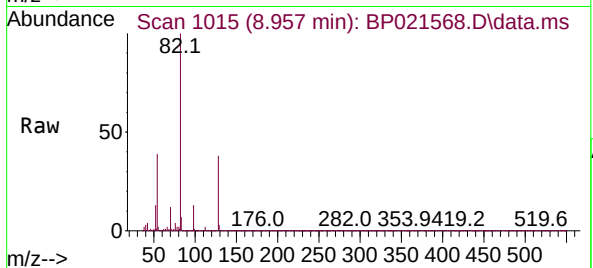
54 39.0 30.3 45.5

Manual Integrations

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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

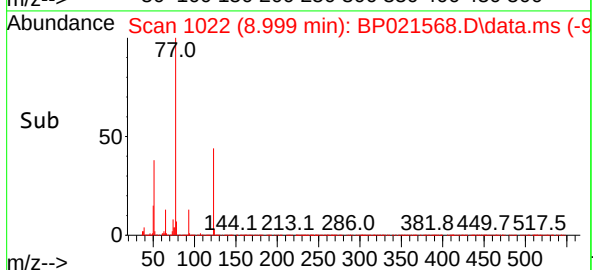
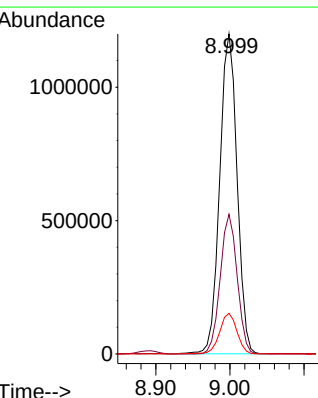
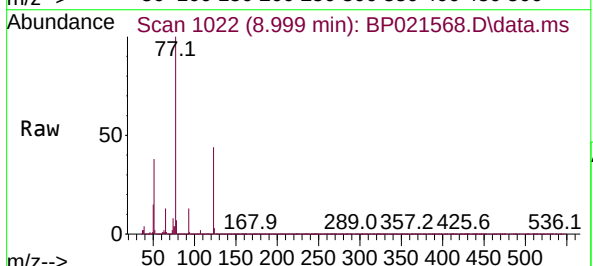
Tgt Ion: 77 Resp: 1948611

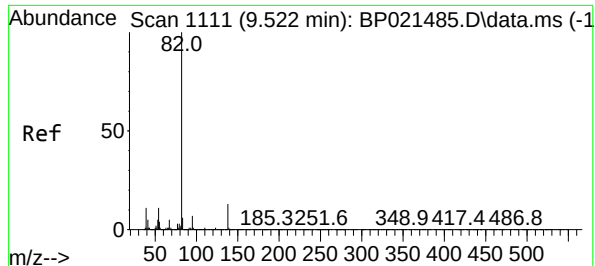
Ion Ratio Lower Upper

77 100

123 43.7 29.5 44.3

65 12.7 9.9 14.9





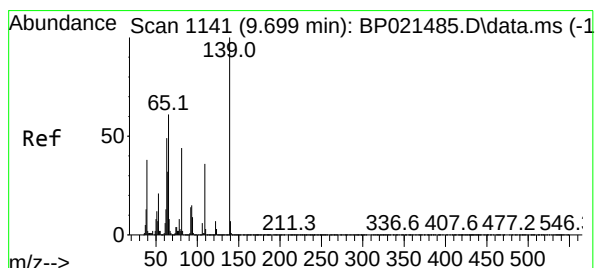
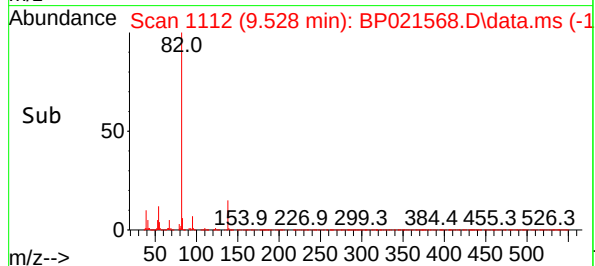
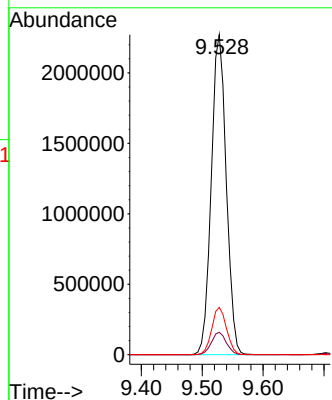
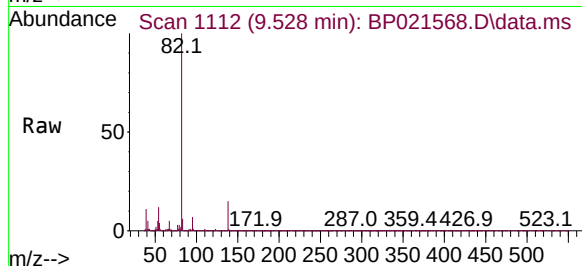
#25
Isophorone
Concen: 40.856 ng
RT: 9.528 min Scan# 1111
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :
BNA_P
ClientSampleId :
PB162822BS

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

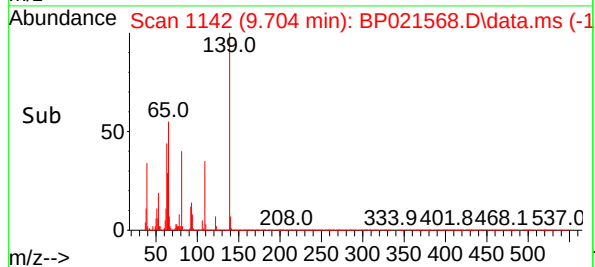
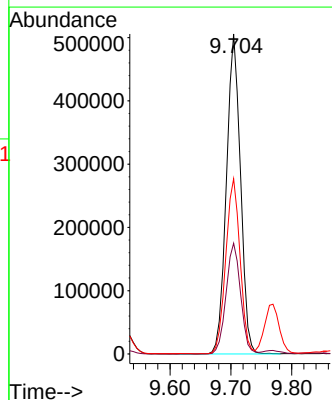
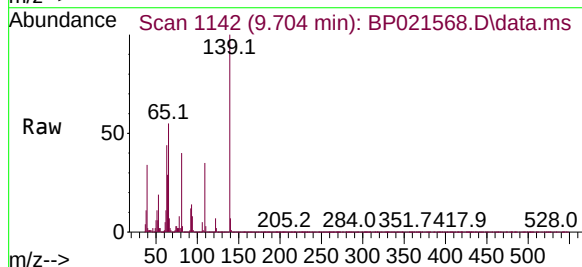
Manual Integrations
APPROVED

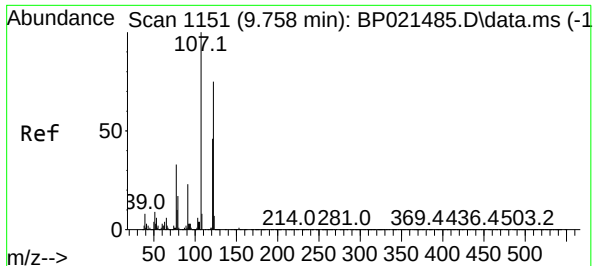
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





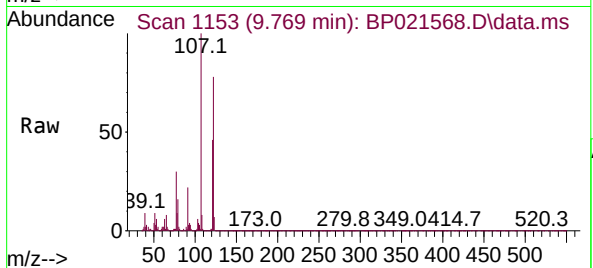
#27
2,4-Dimethylphenol
Concen: 53.822 ng
RT: 9.769 min Scan# 1151
Delta R.T. 0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS



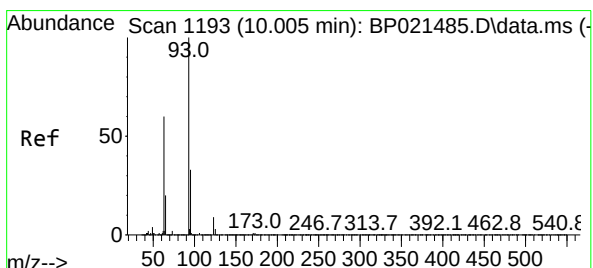
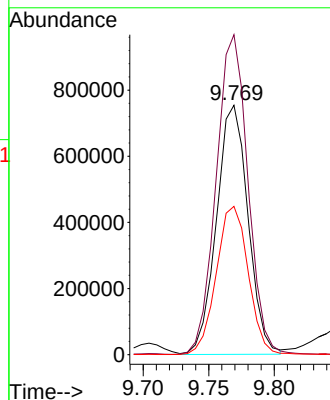
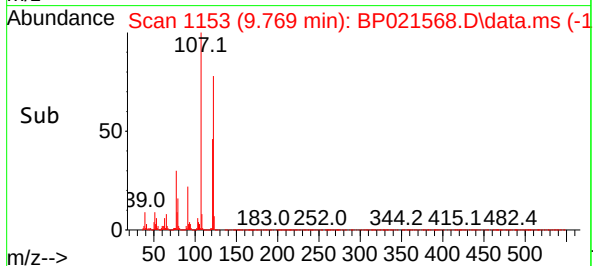
Tgt Ion: 122 Resp: 126039
Ion Ratio Lower Upper
122 100
107 128.3 106.2 159.4
121 59.5 48.8 73.2

Manual Integrations

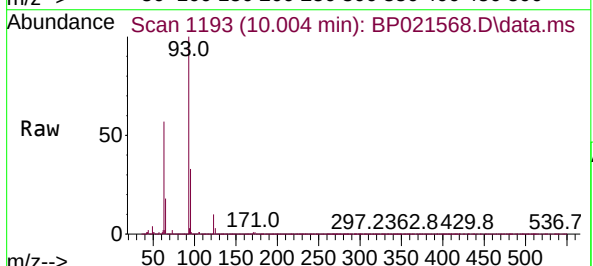
APPROVED

Reviewed By :Yogesh Patel 08/21/2024

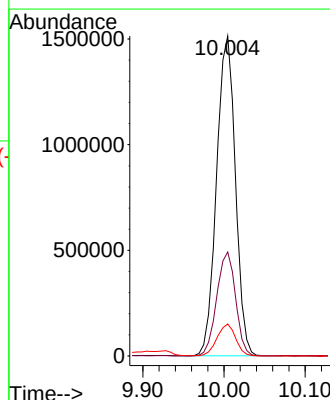
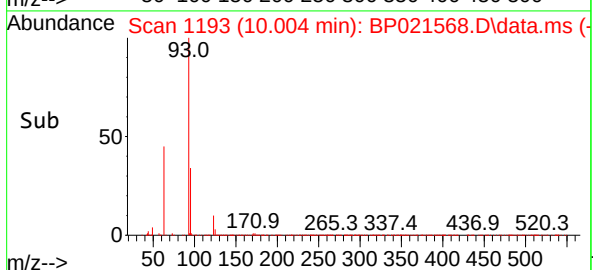
Supervised By :mohammad ahmed 08/22/2024

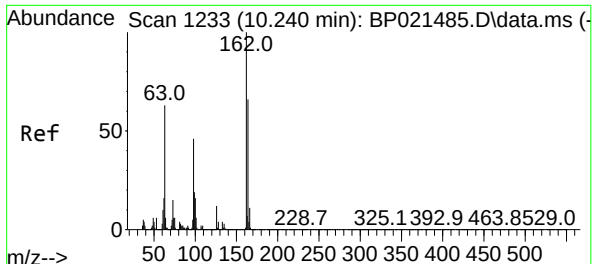


#28
bis(2-Chloroethoxy)methane
Concen: 42.148 ng
RT: 10.004 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31



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





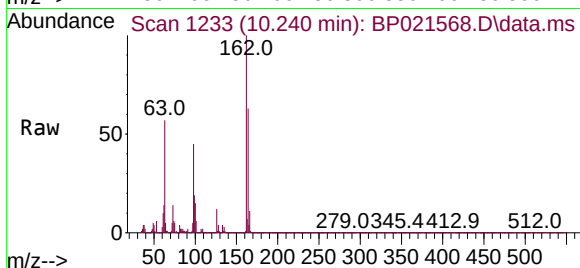
#29
2,4-Dichlorophenol
Concen: 56.031 ng
RT: 10.240 min Scan# 1233
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

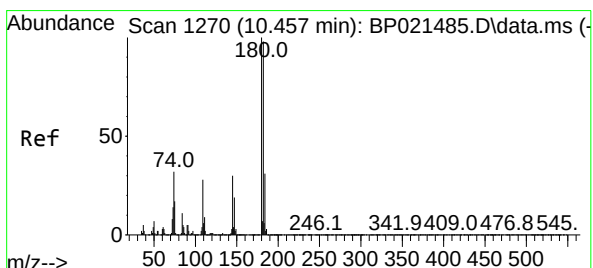
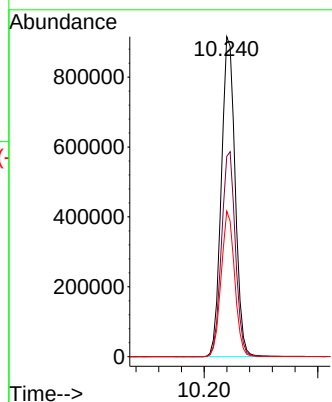
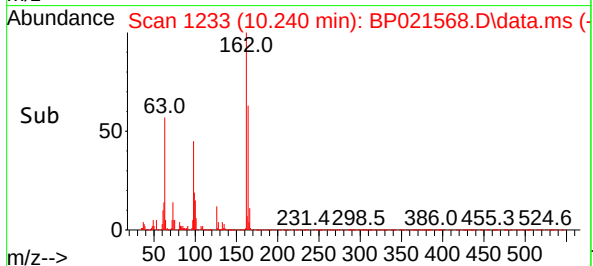
PB162822BS



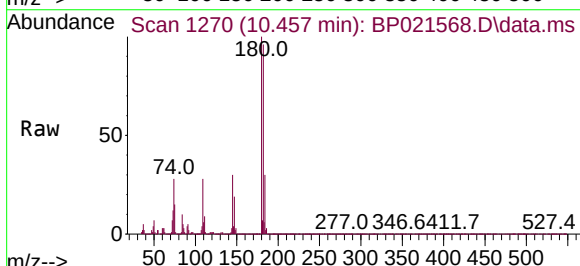
Tgt Ion:162 Resp: 1550319
Ion Ratio Lower Upper
162 100
164 62.6 45.9 85.9
98 45.5 26.3 66.3

Manual Integrations
APPROVED

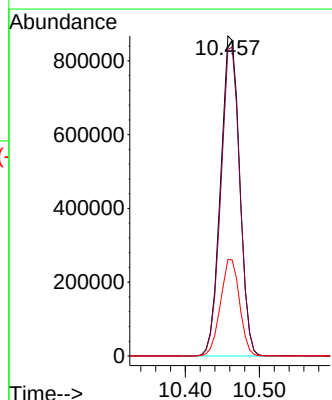
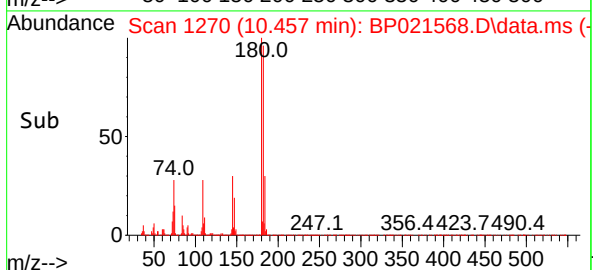
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

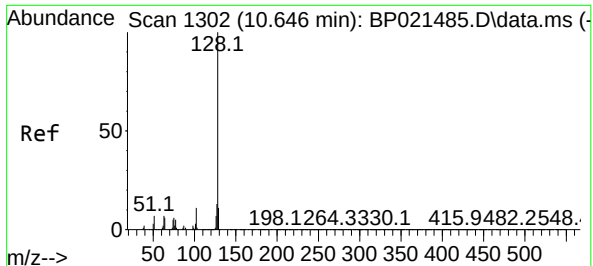


#30
1,2,4-Trichlorobenzene
Concen: 43.572 ng
RT: 10.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31



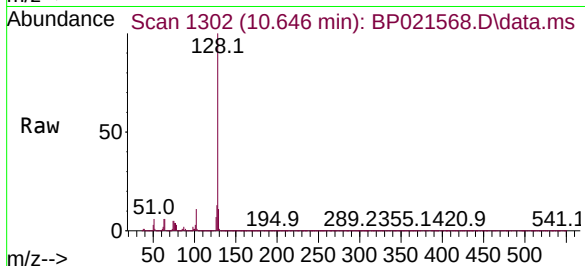
Tgt Ion:180 Resp: 1545646
Ion Ratio Lower Upper
180 100
182 95.8 78.3 117.5
145 30.2 24.0 36.0





#31
Naphthalene
Concen: 43.861 ng
RT: 10.646 min Scan# 1180
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

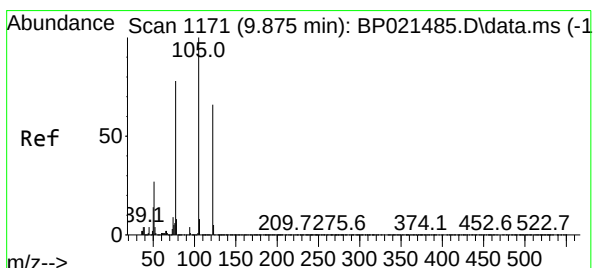
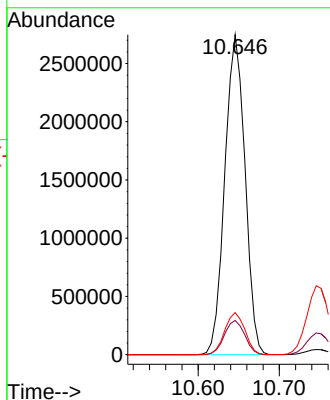
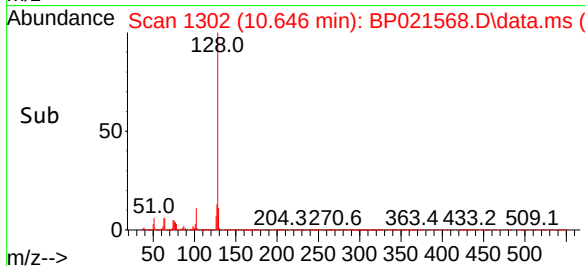
Instrument :
BNA_P
ClientSampleId :
PB162822BS



Tgt Ion:128 Resp: 4750290
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 13.2 10.6 15.8

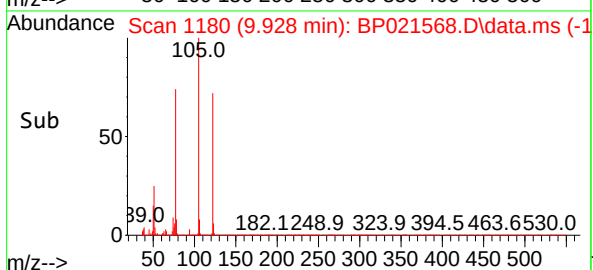
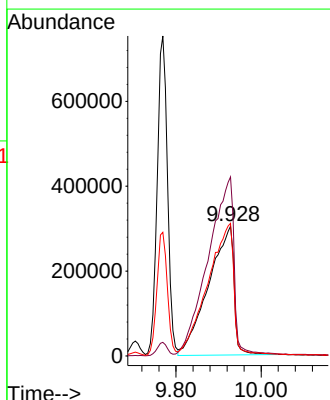
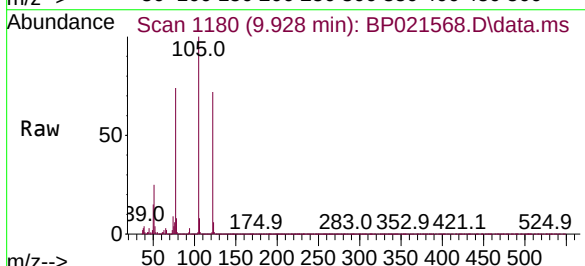
Manual Integrations
APPROVED

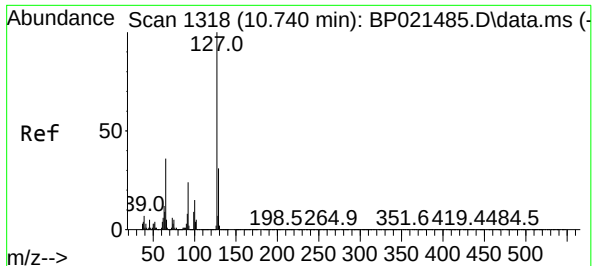
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





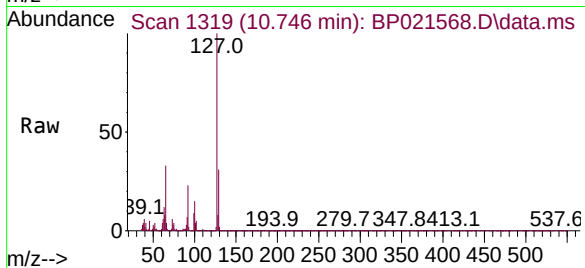
#33
4-Chloroaniline
Concen: 28.216 ng
RT: 10.746 min Scan# 11
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS



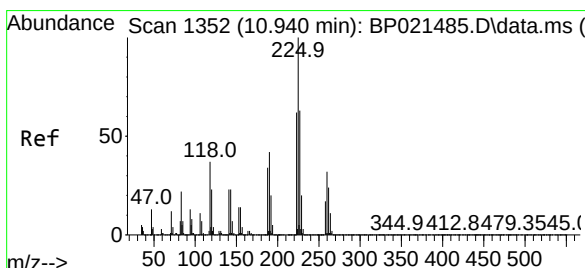
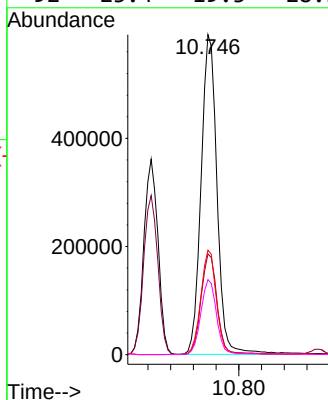
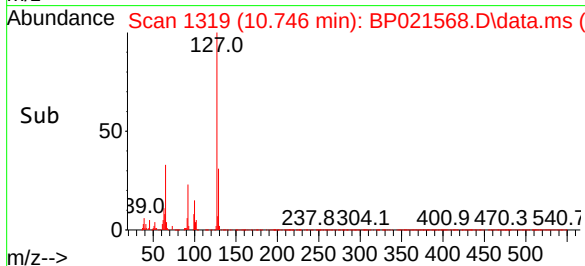
Tgt Ion:127 Resp: 114790

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

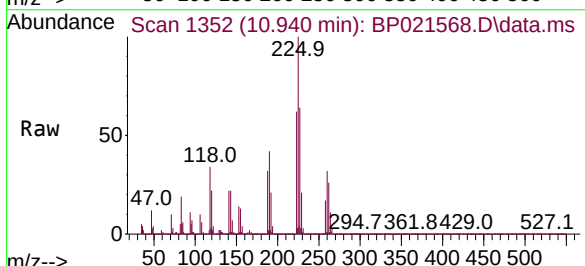
Manual Integrations
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Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024

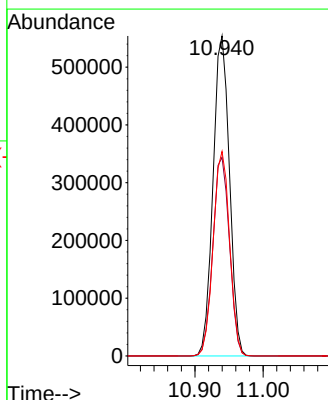
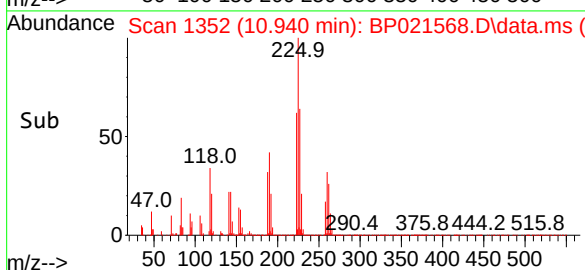


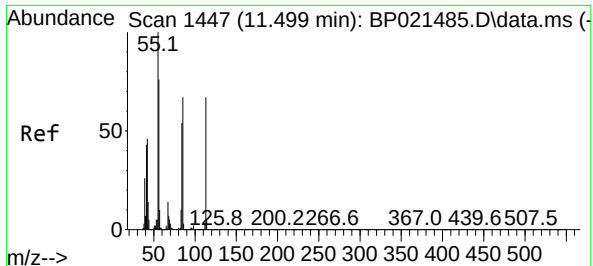
#34
Hexachlorobutadiene
Concen: 41.546 ng
RT: 10.940 min Scan# 1352
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31



Tgt Ion:225 Resp: 927946

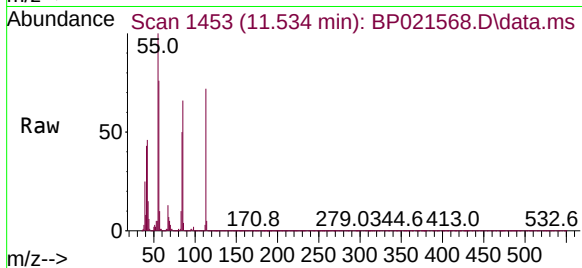
Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.6	74.4
227	63.9	50.1	75.1





#35
Caprolactam
Concen: 51.386 ng m
RT: 11.534 min Scan# 1447
Delta R.T. 0.035 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

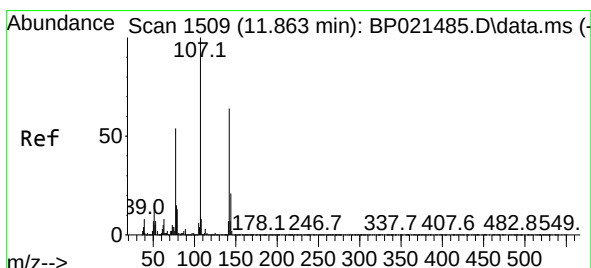
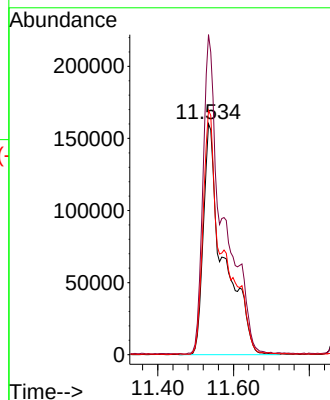
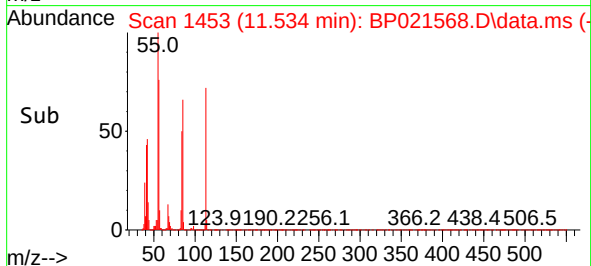
Instrument :
BNA_P
ClientSampleId :
PB162822BS



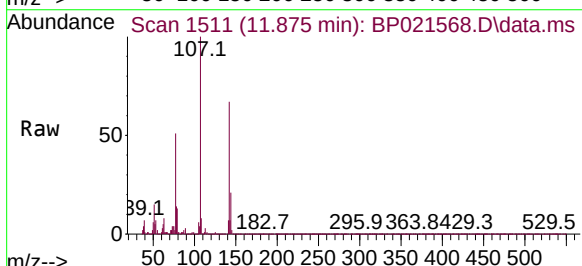
Tgt Ion:113 Resp: 591792
Ion Ratio Lower Upper
113 100
55 138.6 130.6 170.6
56 105.8 94.6 134.6

Manual Integrations
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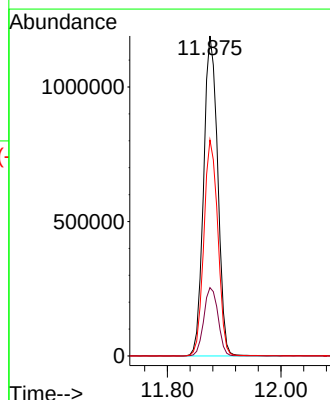
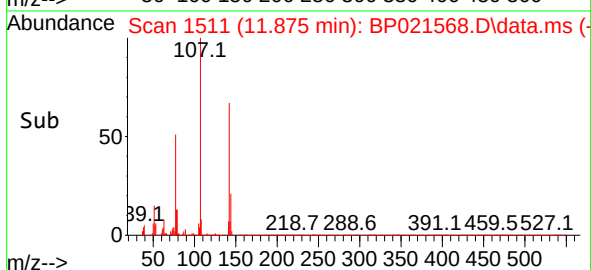
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

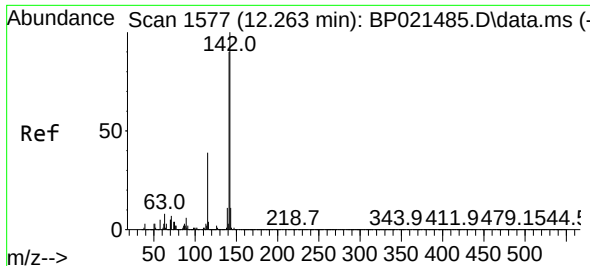


#36
4-Chloro-3-methylphenol
Concen: 53.276 ng
RT: 11.875 min Scan# 1511
Delta R.T. 0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31



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# 1576
Delta R.T. -0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

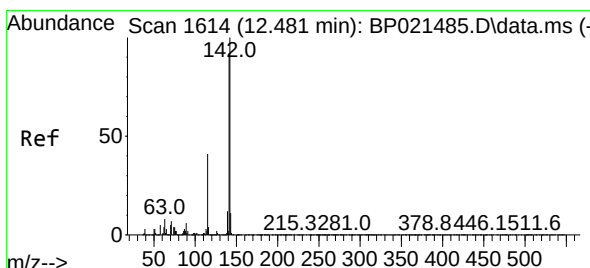
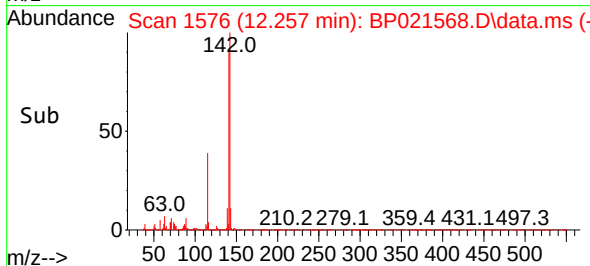
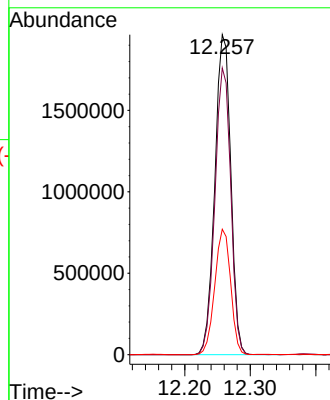
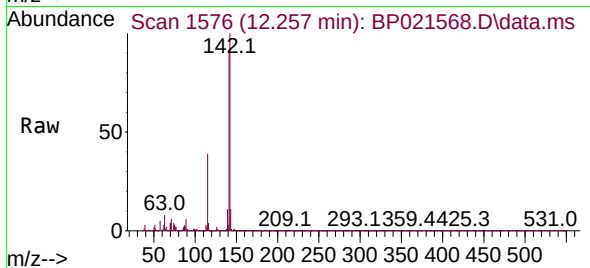
ClientSampleId :

PB162822BS

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

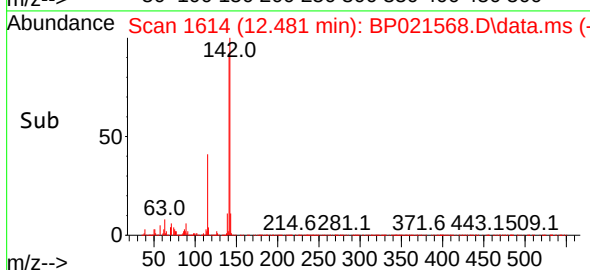
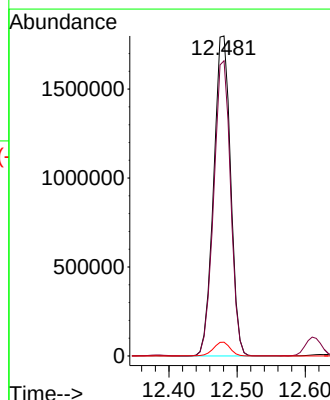
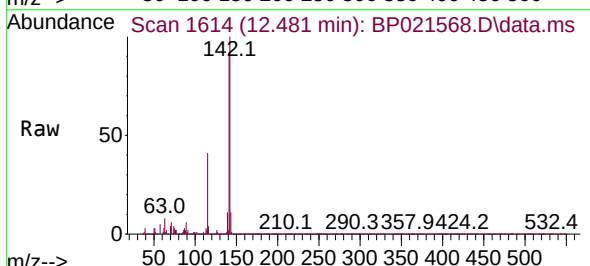
Manual Integrations
APPROVED

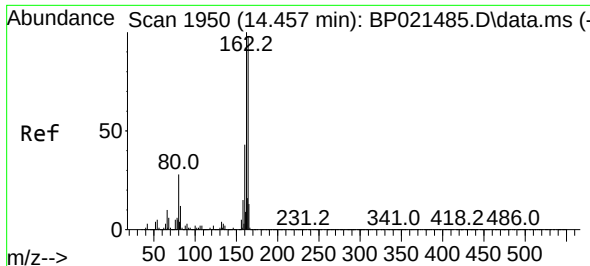
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 1950

Delta R.T. -0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS

Tgt Ion:164 Resp: 1389370

Ion Ratio Lower Upper

164 100

162 99.6 81.5 122.3

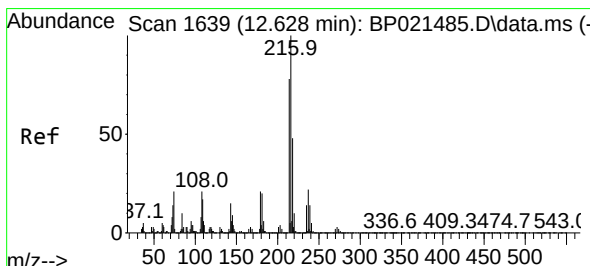
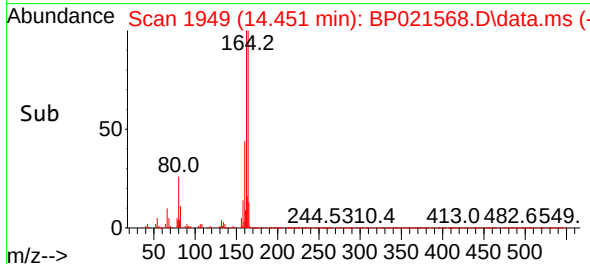
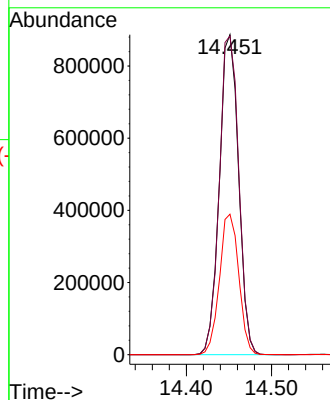
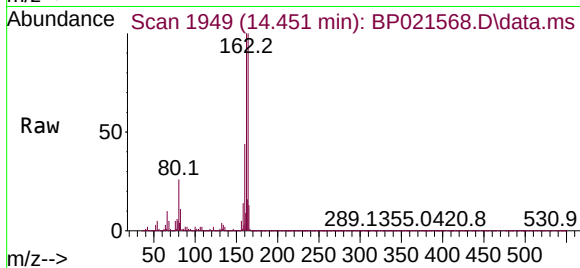
160 43.9 35.2 52.8

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: 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

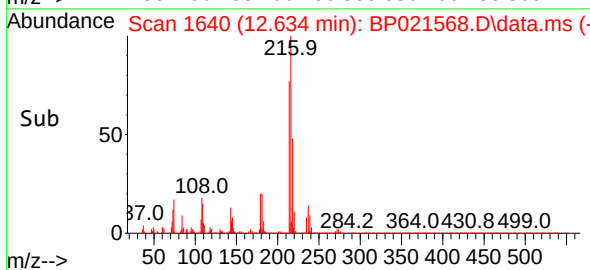
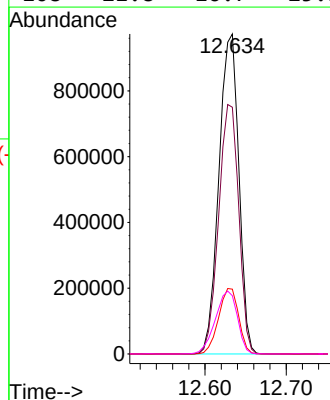
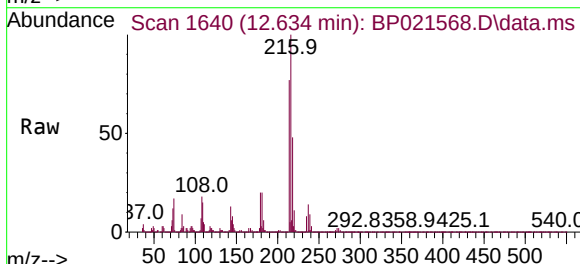
Ion Ratio Lower Upper

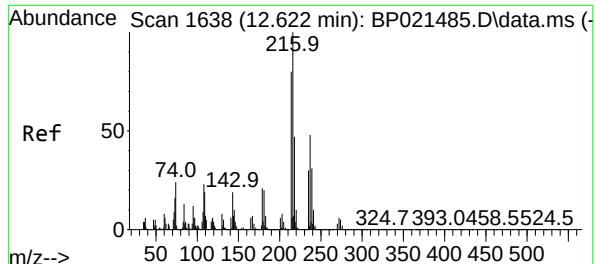
216 100

214 78.6 62.5 93.7

179 20.6 16.4 24.6

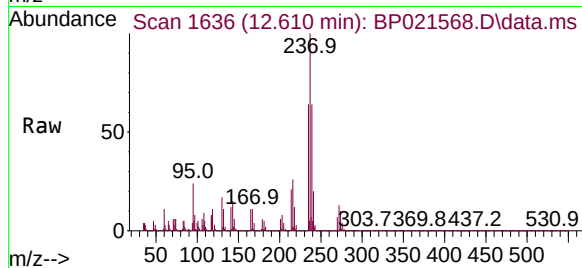
108 21.8 16.7 25.1





#41
Hexachlorocyclopentadiene
Concen: 116.470 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

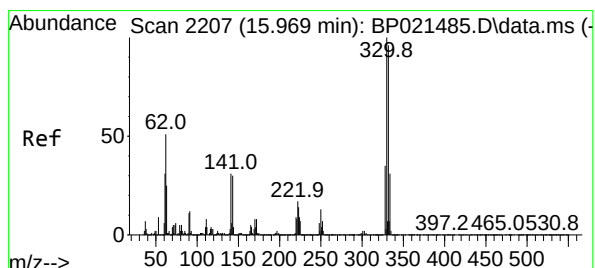
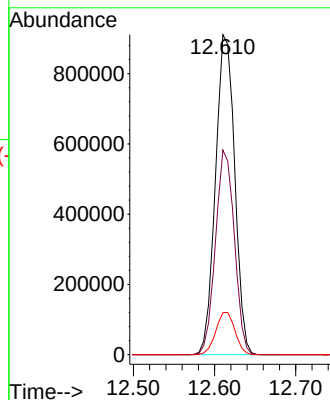
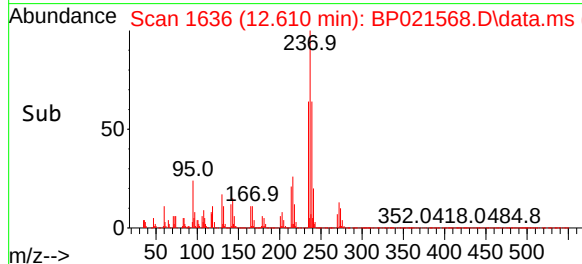
Instrument :
BNA_P
ClientSampleId :
PB162822BS



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

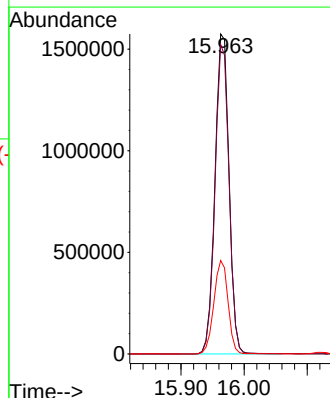
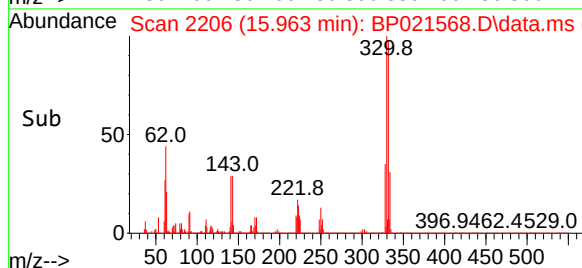
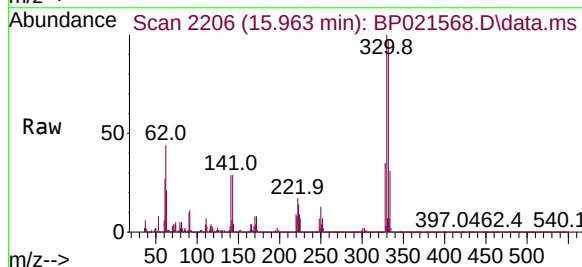
Manual Integrations
APPROVED

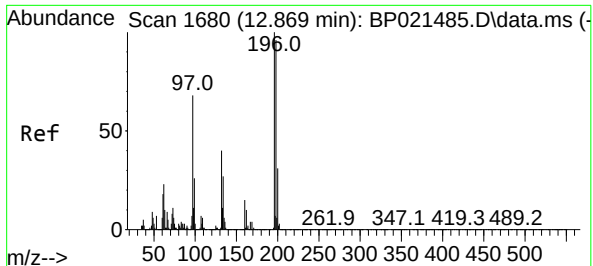
Reviewed By : Yogesh Patel 08/21/2024
Supervised By : mohammad ahmed 08/22/2024



#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





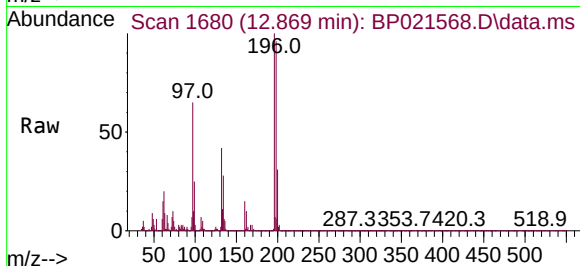
#43
2,4,6-Trichlorophenol
Concen: 57.099 ng
RT: 12.869 min Scan# 1680
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

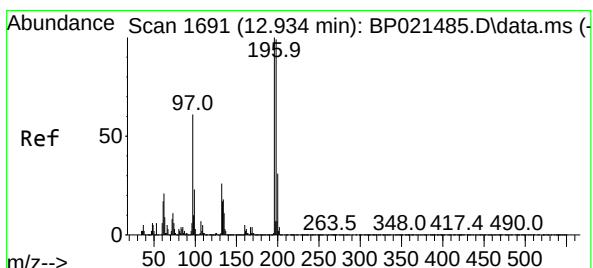
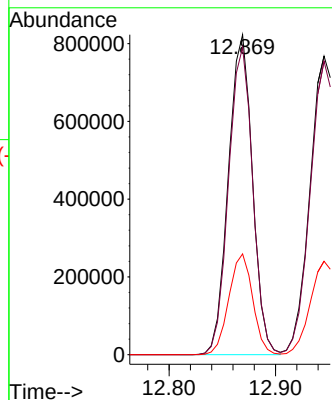
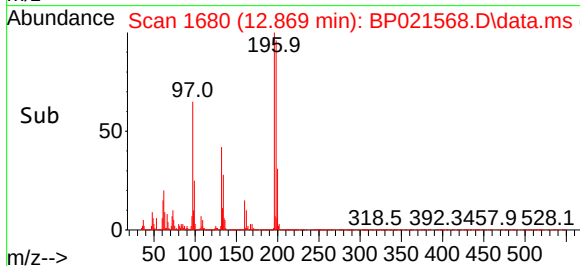
PB162822BS



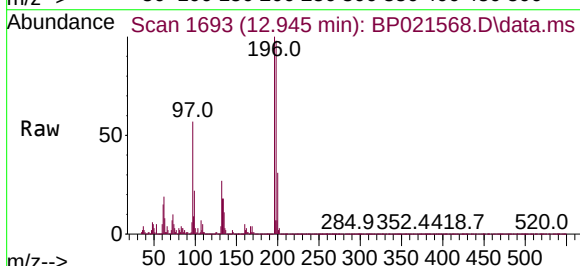
Tgt Ion:196 Resp: 1291184
Ion Ratio Lower Upper
196 100
198 96.1 76.6 114.8
200 31.5 24.5 36.7

Manual Integrations
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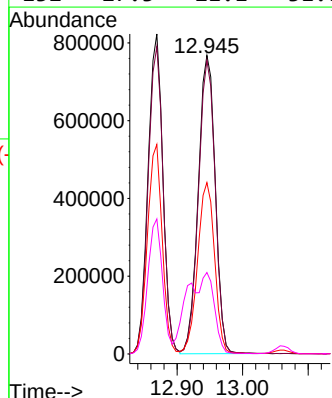
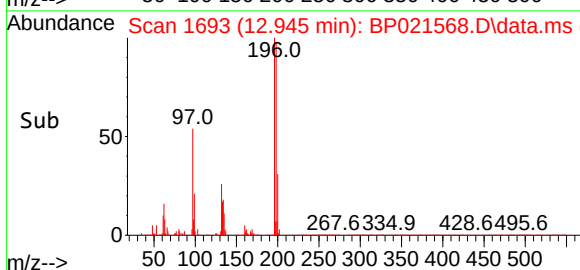
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

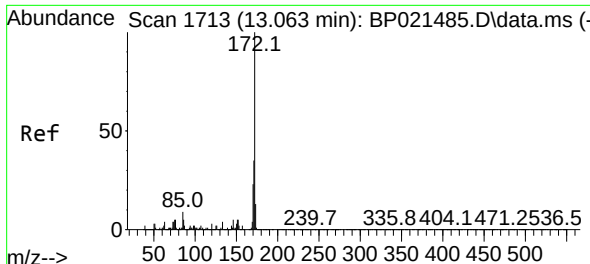


#44
2,4,5-Trichlorophenol
Concen: 55.286 ng
RT: 12.945 min Scan# 1693
Delta R.T. 0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31



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





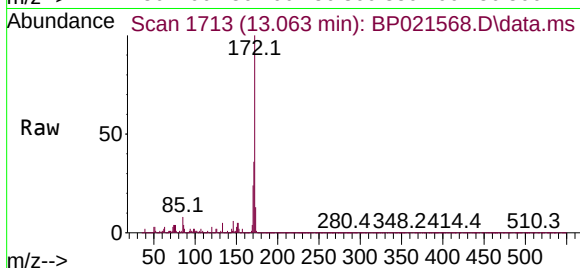
#45
2-Fluorobiphenyl
Concen: 79.575 ng
RT: 13.063 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

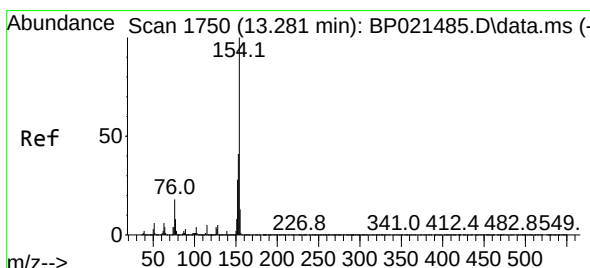
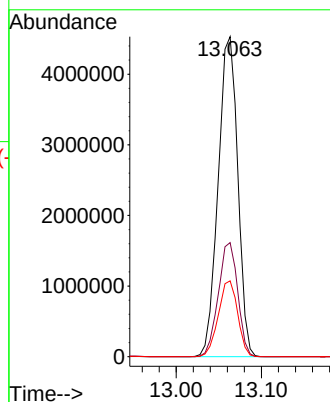
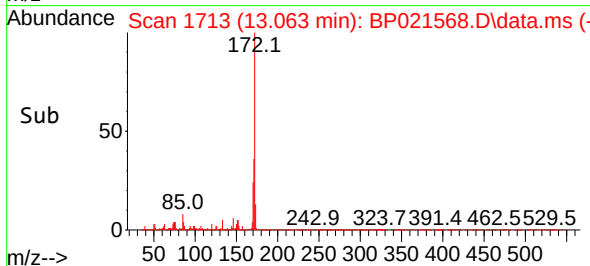
PB162822BS



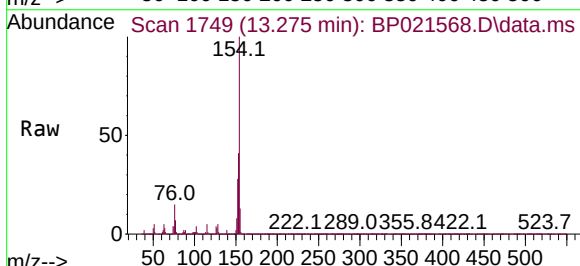
Tgt Ion:172 Resp: 724430
Ion Ratio Lower Upper
172 100
171 35.7 28.2 42.4
170 23.7 18.4 27.6

Manual Integrations
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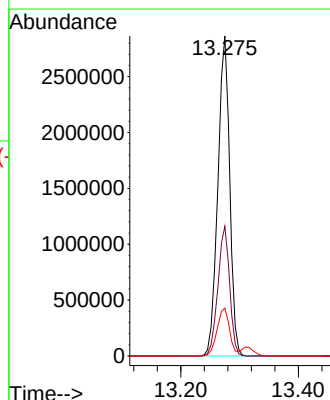
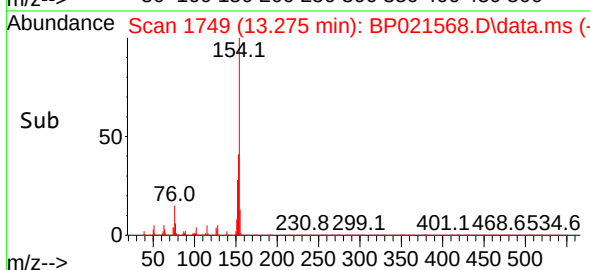
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

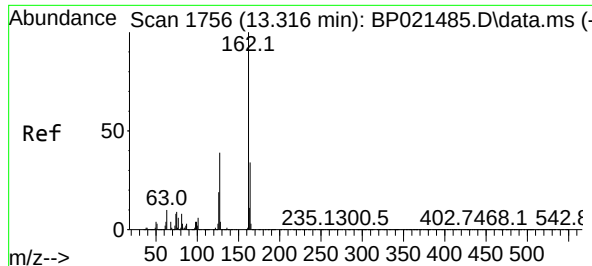


#46
1,1'-Biphenyl
Concen: 40.658 ng
RT: 13.275 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31



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





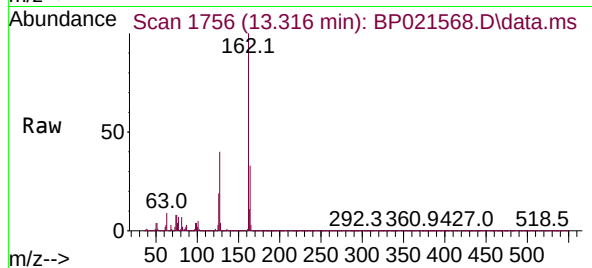
#47
2-Chloronaphthalene
Concen: 43.922 ng
RT: 13.316 min Scan# 1756
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

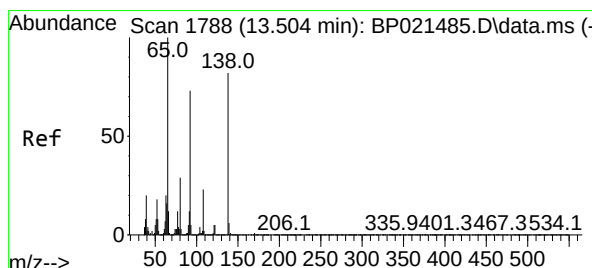
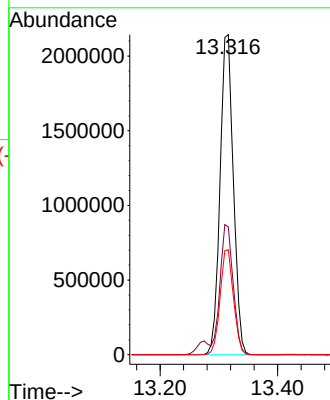
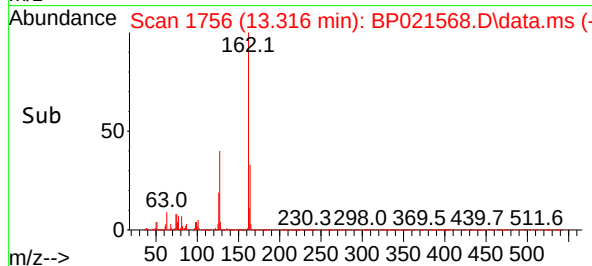
PB162822BS



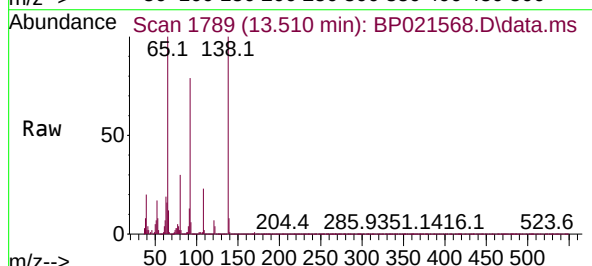
Tgt Ion:162 Resp: 3361372
Ion Ratio Lower Upper
162 100
127 39.9 31.9 47.9
164 32.8 26.8 40.2

Manual Integrations
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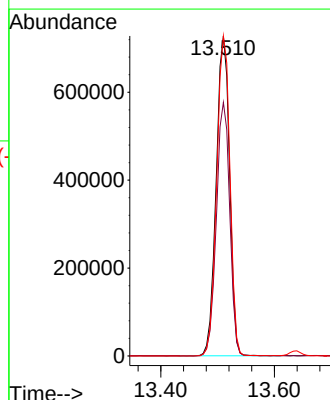
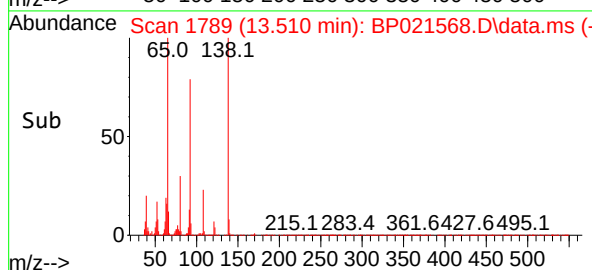
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

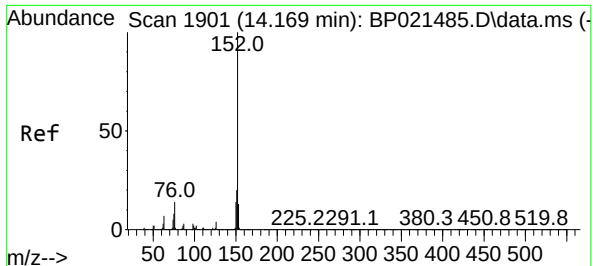


#48
2-Nitroaniline
Concen: 54.598 ng
RT: 13.510 min Scan# 1789
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31



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# 1901

Delta R.T. -0.000 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS

Tgt Ion:152 Resp: 550022

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

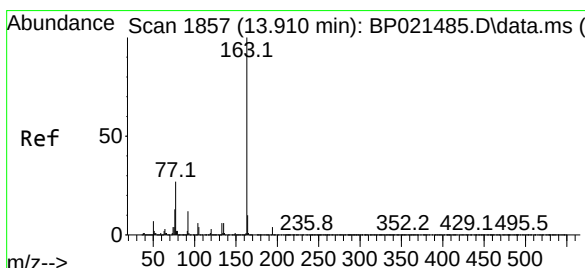
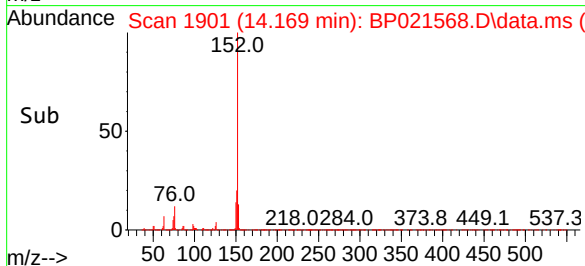
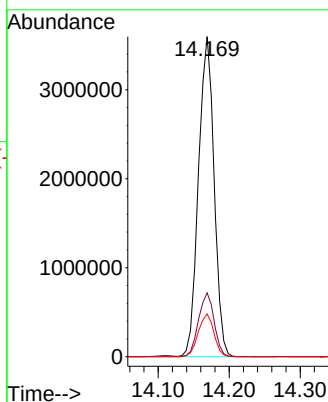
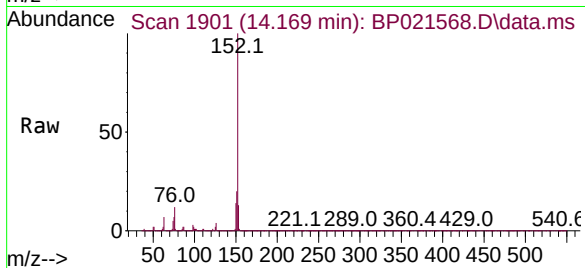
153 13.3 10.6 16.0

Manual Integrations

APPROVED

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

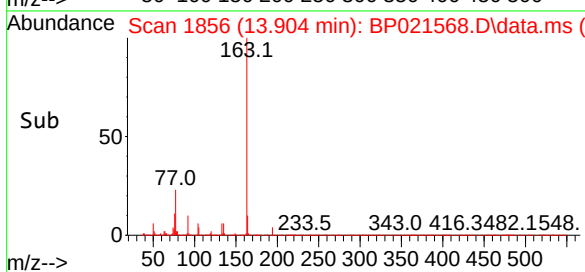
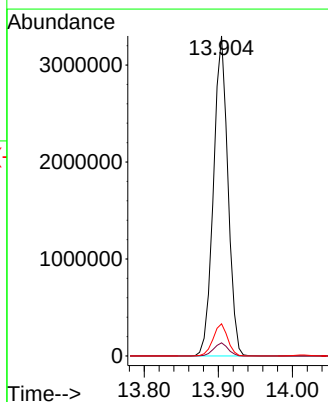
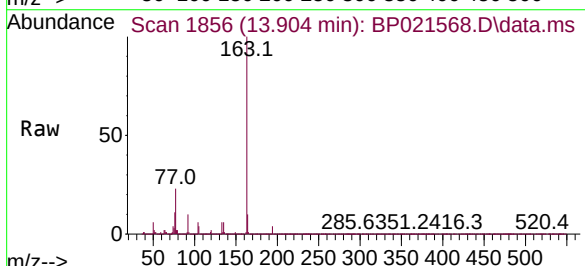
Tgt Ion:163 Resp: 4461019

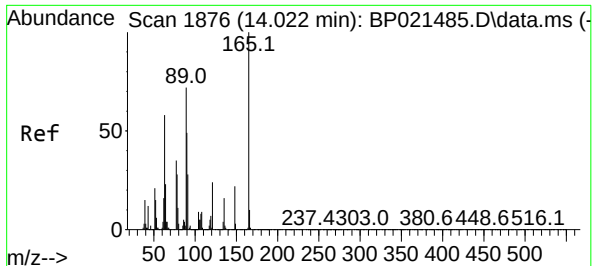
Ion Ratio Lower Upper

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# 1876
Delta R.T. -0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

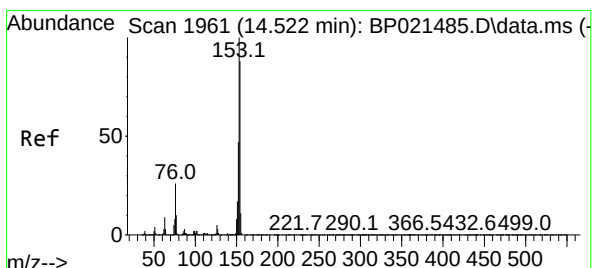
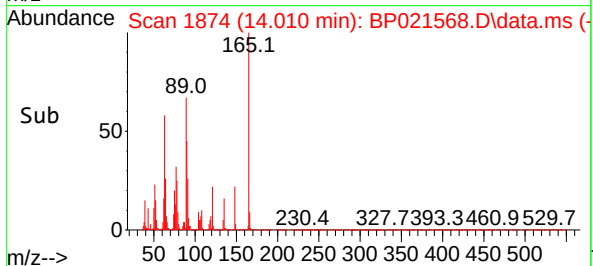
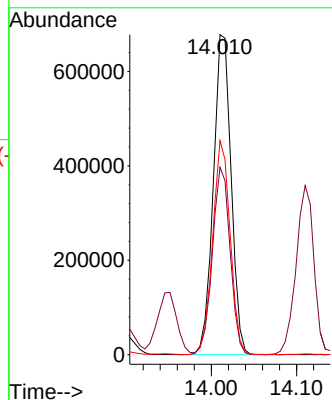
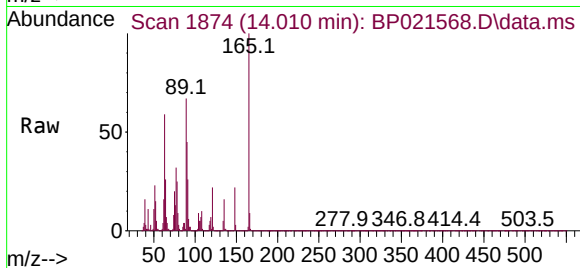
ClientSampleId :

PB162822BS

Tgt Ion:165 Resp: 982980
Ion Ratio Lower Upper
165 100
63 58.6 51.5 77.3
89 66.9 57.8 86.8

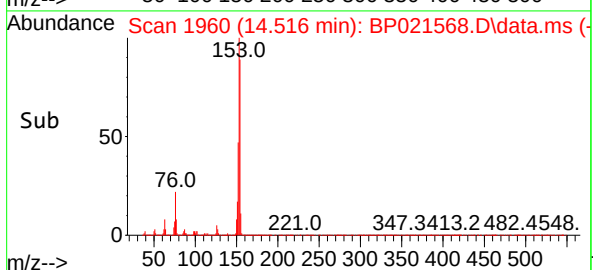
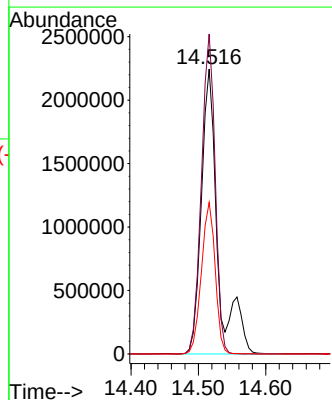
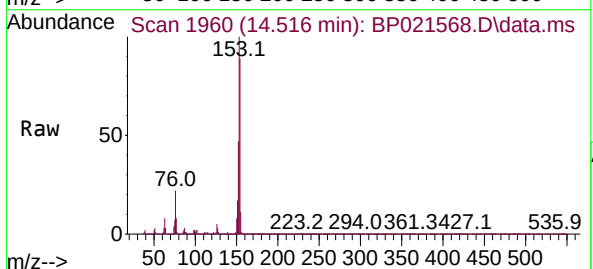
Manual Integrations
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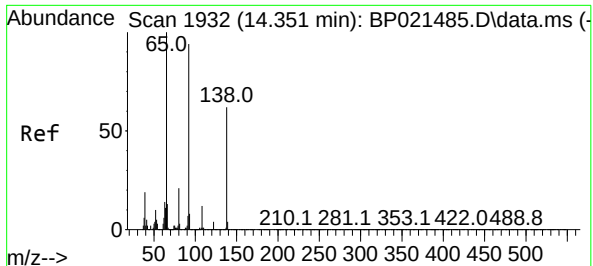
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

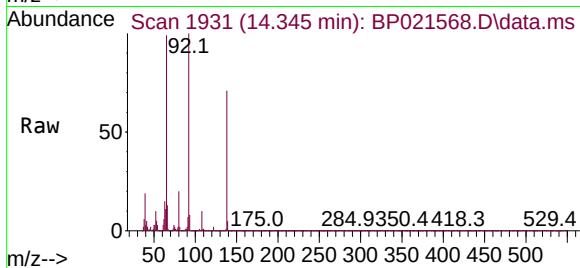
Tgt Ion:154 Resp: 3809412
Ion Ratio Lower Upper
154 100
153 112.3 91.1 136.7
152 53.2 43.0 64.4





#53
3-Nitroaniline
Concen: 43.541 ng
RT: 14.345 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

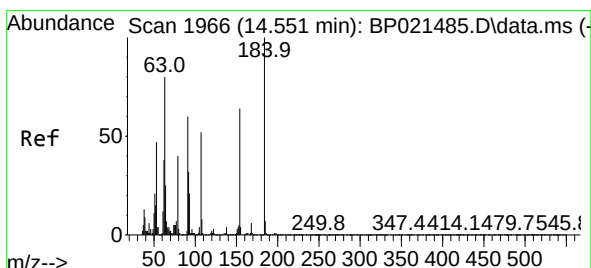
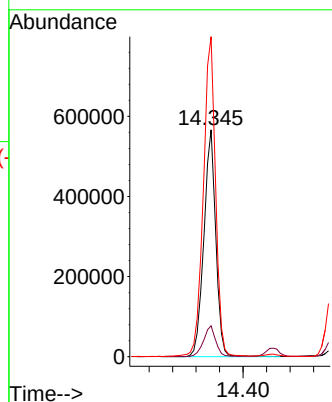
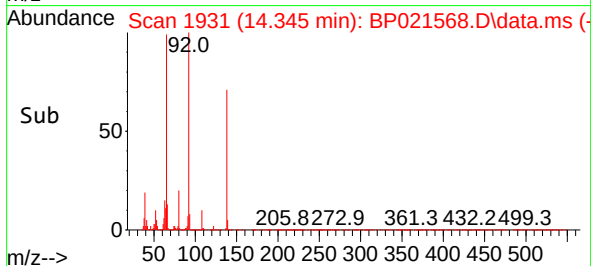
Instrument :
BNA_P
ClientSampleId :
PB162822BS



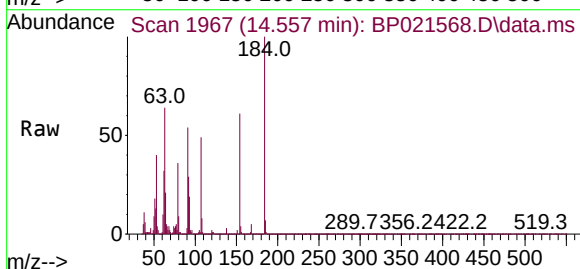
Tgt Ion:138 Resp: 796079
Ion Ratio Lower Upper
138 100
108 13.6 16.2 24.4
92 141.1 122.2 183.4

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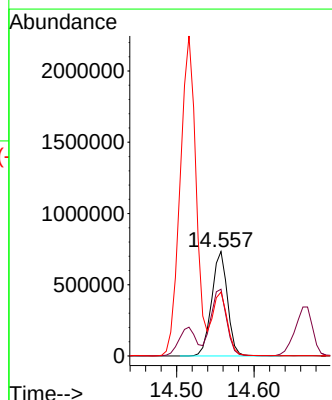
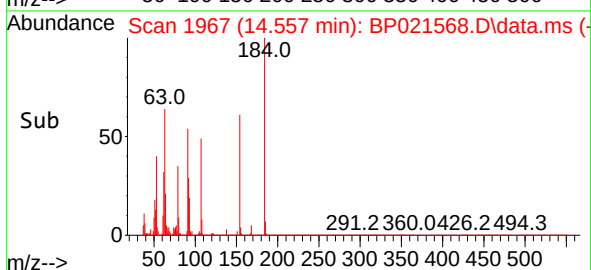
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

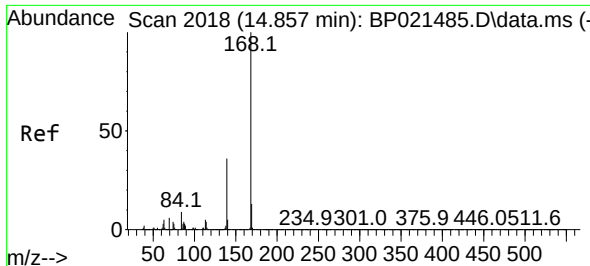


#54
2,4-Dinitrophenol
Concen: 123.071 ng
RT: 14.557 min Scan# 1967
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31



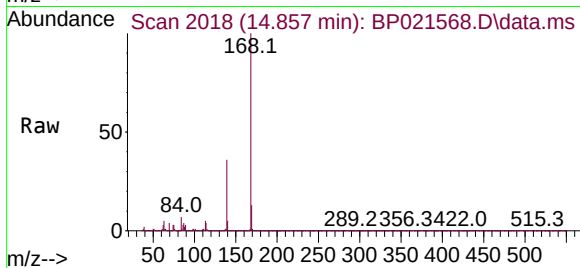
Tgt Ion:184 Resp: 1036408
Ion Ratio Lower Upper
184 100
63 63.8 64.9 97.3
154 61.2 52.1 78.1





#55
Dibenzenofuran
Concen: 45.731 ng
RT: 14.857 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

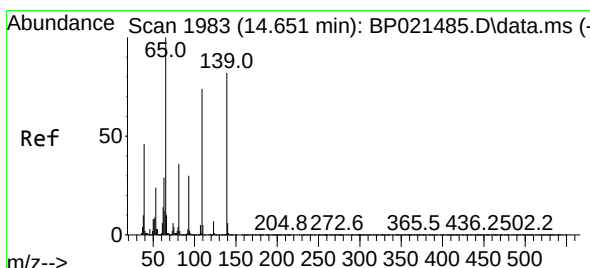
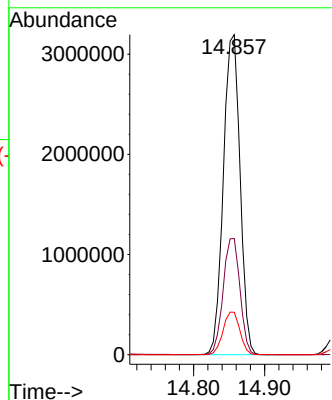
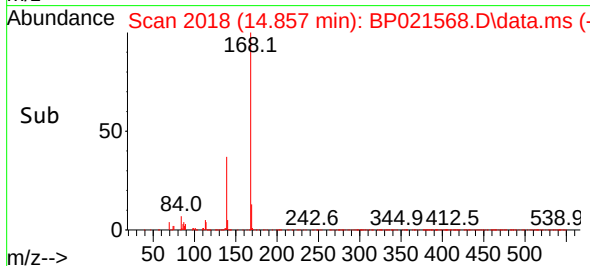
Instrument :
BNA_P
ClientSampleId :
PB162822BS



Tgt Ion:168 Resp: 5192990
Ion Ratio Lower Upper
168 100
139 36.3 28.6 43.0
169 13.2 10.6 16.0

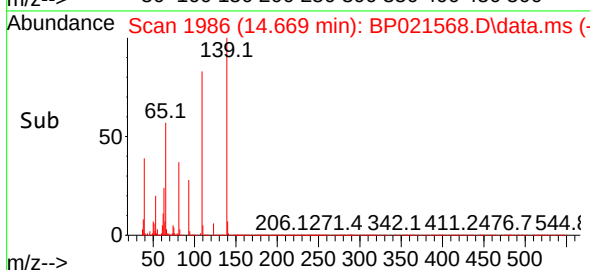
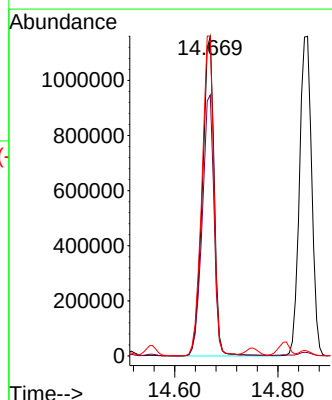
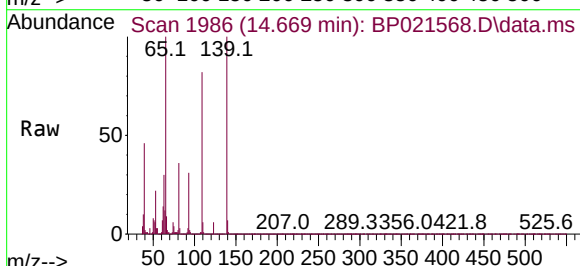
Manual Integrations
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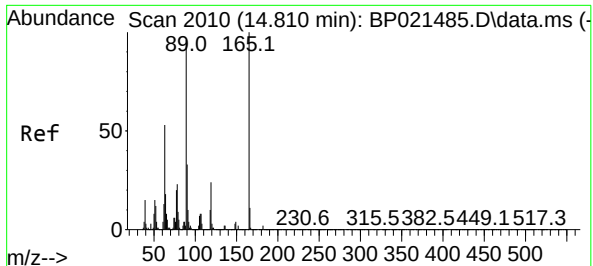
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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#





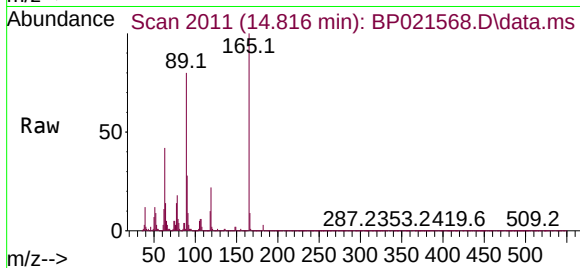
#57
2,4-Dinitrotoluene
Concen: 58.078 ng
RT: 14.816 min Scan# 2010
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

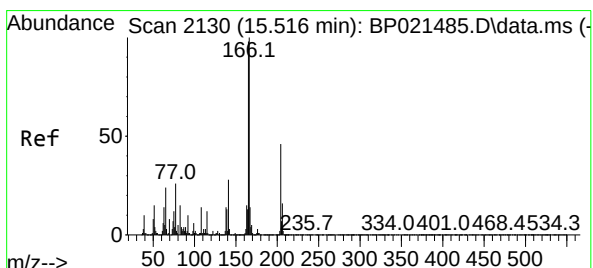
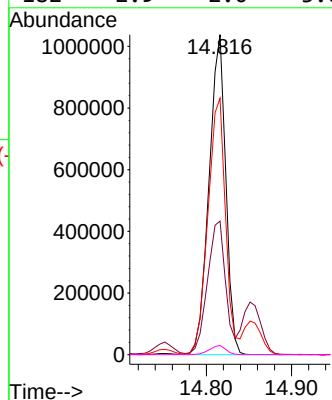
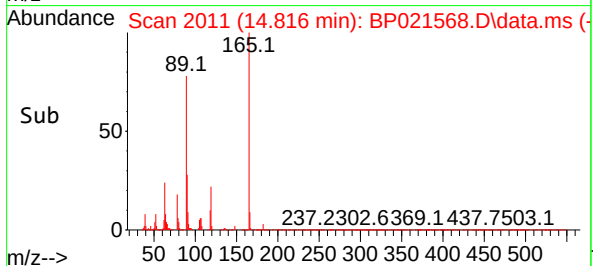
PB162822BS



Tgt Ion:165 Resp: 1414718
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

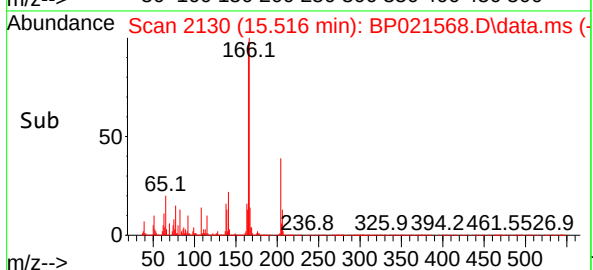
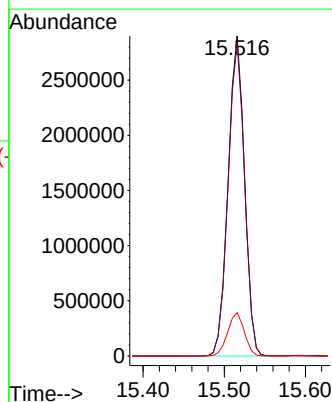
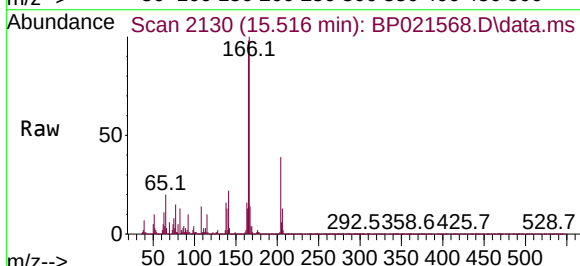
Manual Integrations
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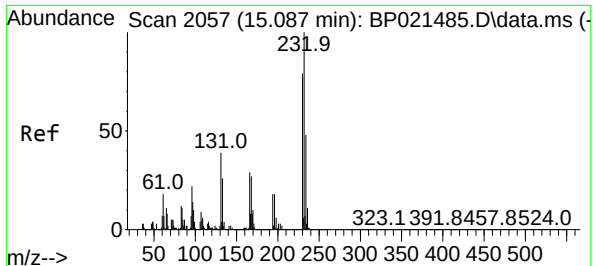
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





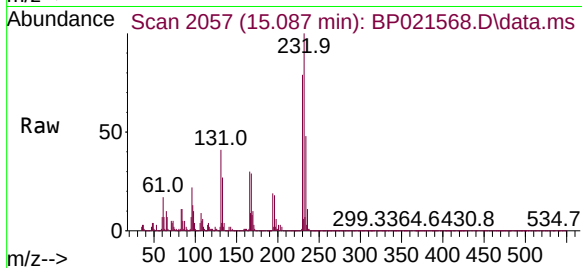
#59
2,3,4,6-Tetrachlorophenol
Concen: 59.406 ng
RT: 15.087 min Scan# 2057
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

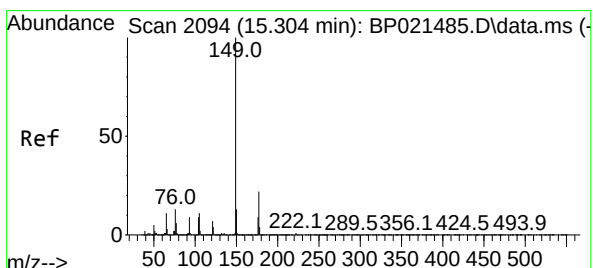
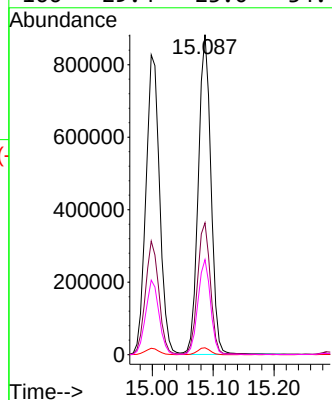
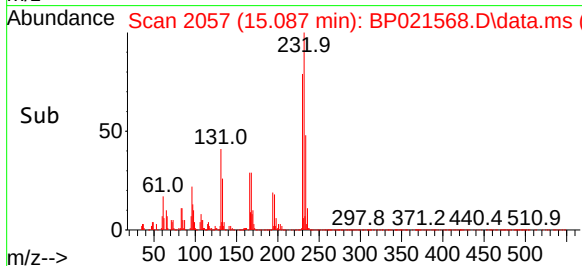
PB162822BS



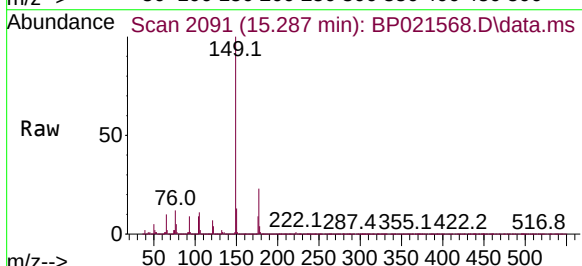
Tgt Ion:232 Resp: 126684
Ion Ratio Lower Upper
232 100
131 42.1 33.1 49.7
130 2.2 1.7 2.5
166 29.4 23.0 34.4

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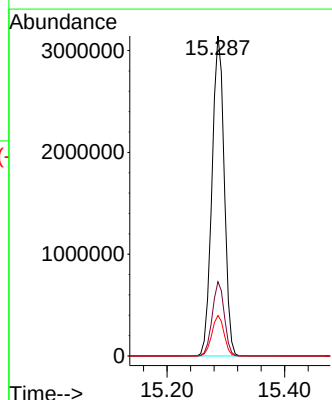
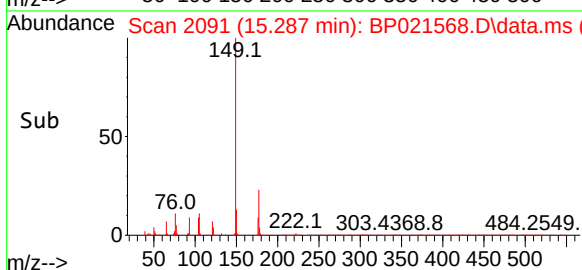
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

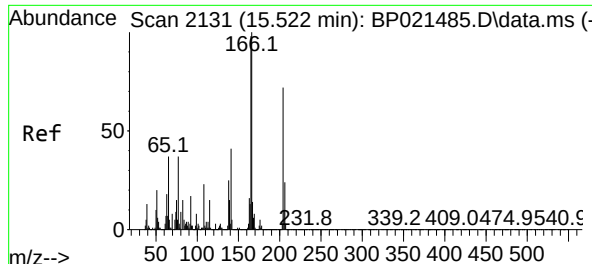


#60
Diethylphthalate
Concen: 47.643 ng
RT: 15.287 min Scan# 2091
Delta R.T. -0.018 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31



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





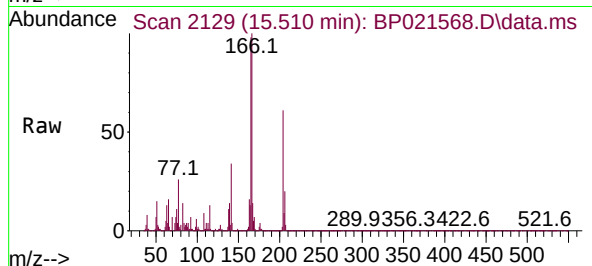
#61
4-Chlorophenyl-phenylether
Concen: 43.232 ng
RT: 15.510 min Scan# 2131
Delta R.T. -0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

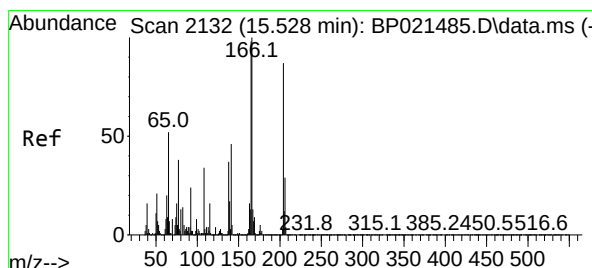
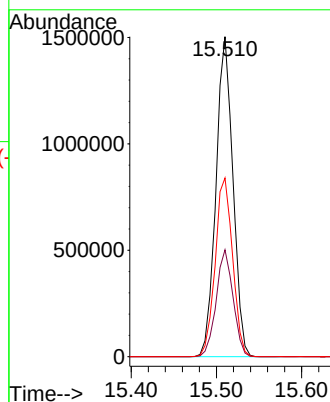
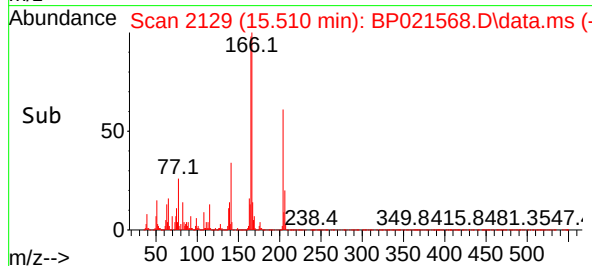
PB162822BS



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

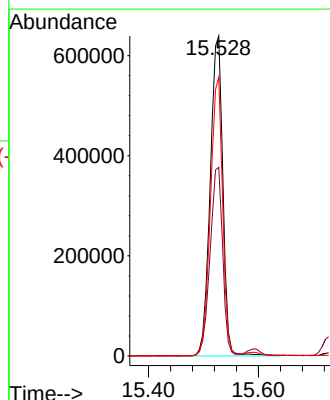
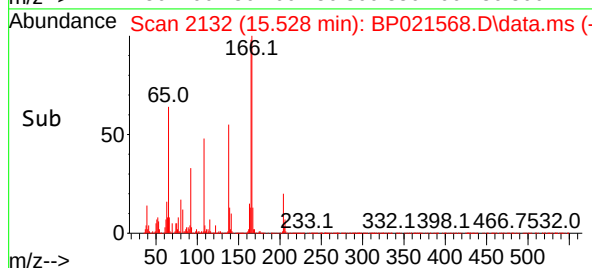
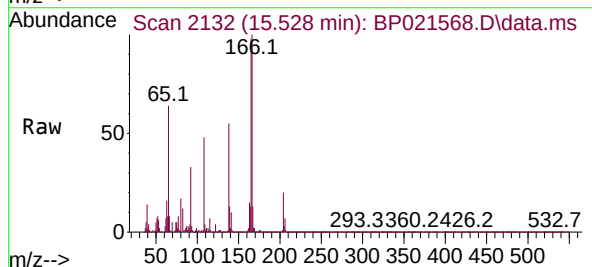
Manual Integrations
APPROVED

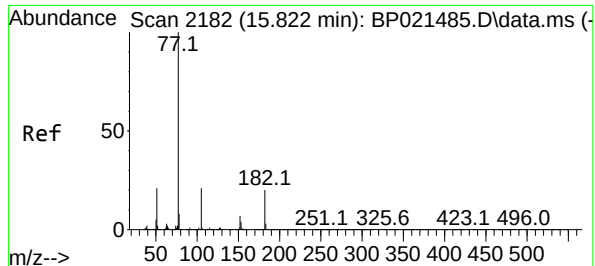
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

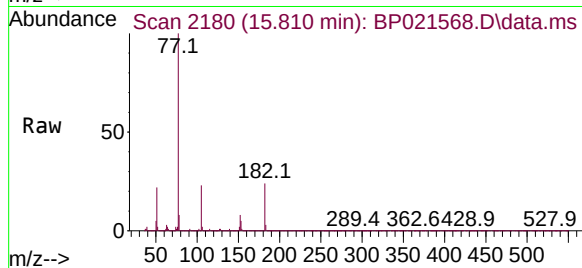
Tgt Ion:138 Resp: 1019125
Ion Ratio Lower Upper
138 100
92 59.0 46.4 86.4
108 87.2 73.2 113.2





#63
Azobenzene
Concen: 41.754 ng
RT: 15.810 min Scan# 2182
Delta R.T. -0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

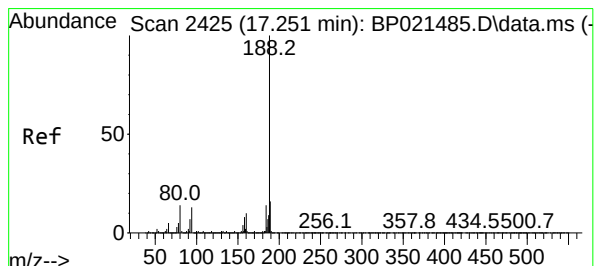
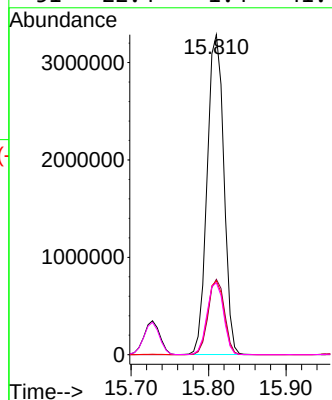
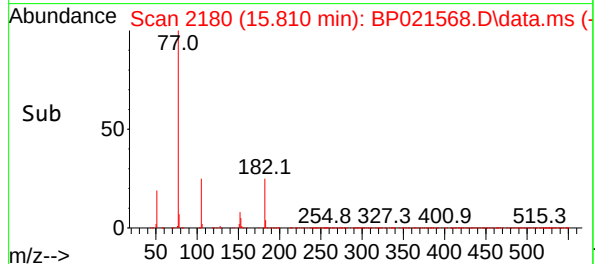
Instrument :
BNA_P
ClientSampleId :
PB162822BS



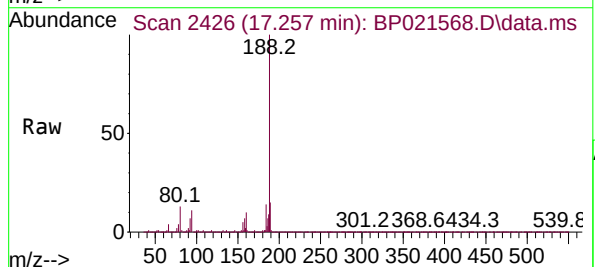
Tgt Ion: 77 Resp: 4900000
Ion Ratio Lower Upper
77 100
182 23.6 0.0 39.9
105 23.1 0.9 40.9
51 22.4 1.4 41.4

Manual Integrations
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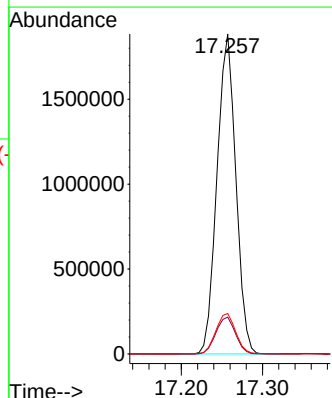
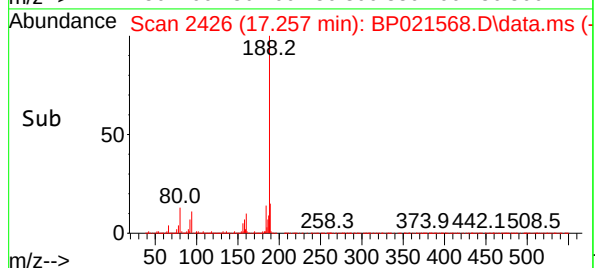
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

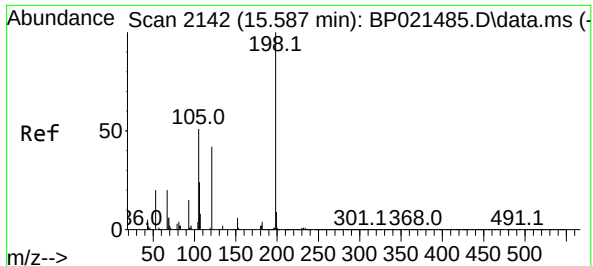


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.257 min Scan# 2426
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31



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





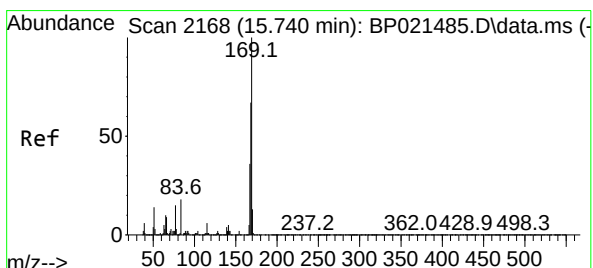
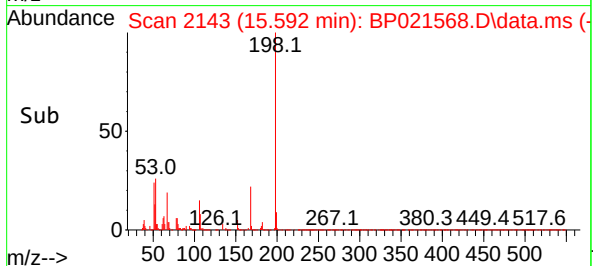
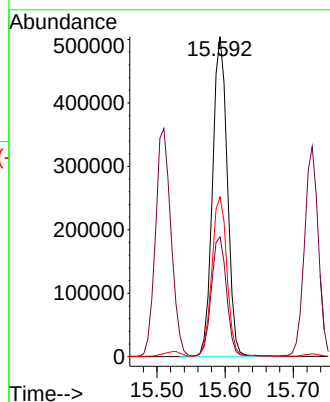
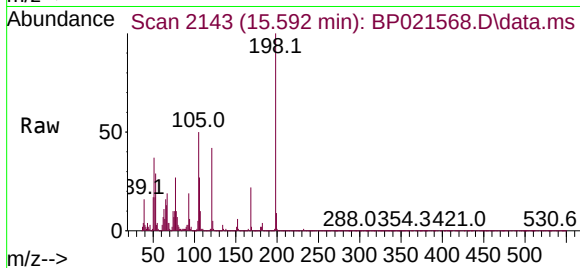
#65
4,6-Dinitro-2-methylphenol
Concen: 70.607 ng
RT: 15.592 min Scan# 2143
Delta R.T. 0.005 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :
BNA_P
ClientSampleId :
PB162822BS

Tgt Ion:198 Resp: 760962
Ion Ratio Lower Upper
198 100
51 37.4 21.5 61.5
105 49.9 32.9 72.9

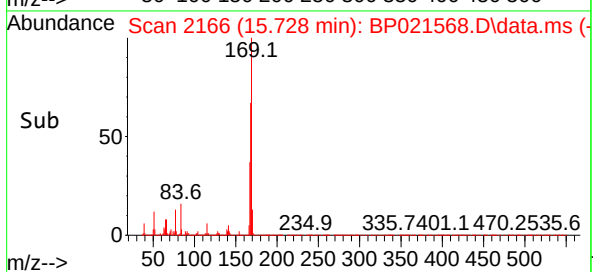
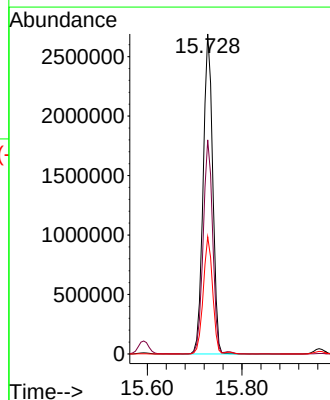
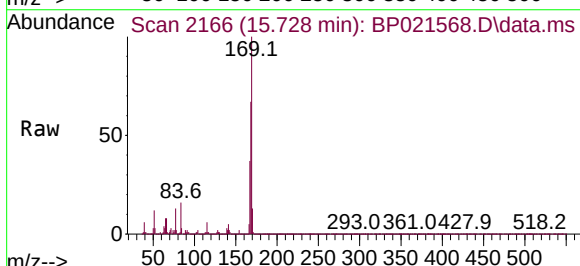
Manual Integrations
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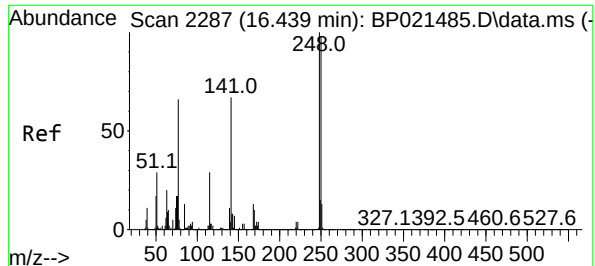
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





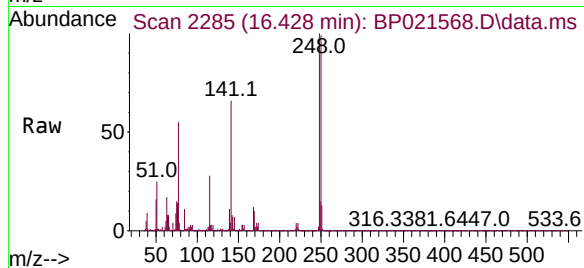
#67
4-Bromophenyl-phenylether
Concen: 44.989 ng
RT: 16.428 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

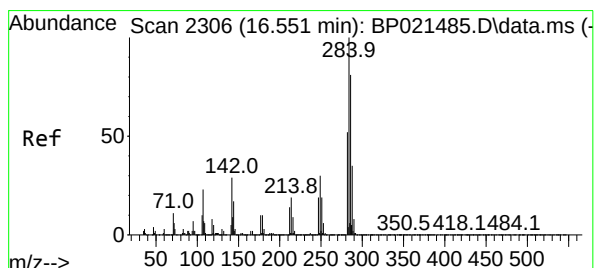
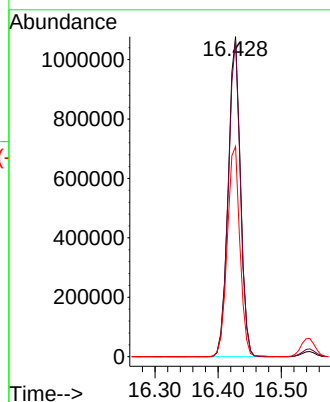
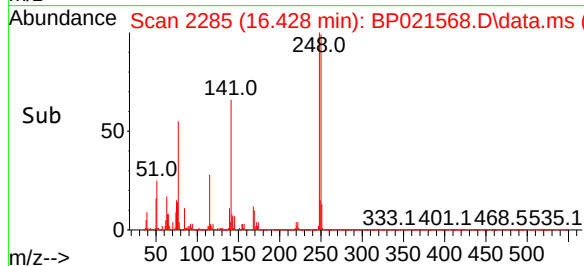
PB162822BS



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

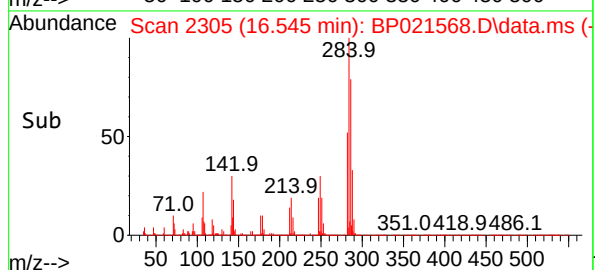
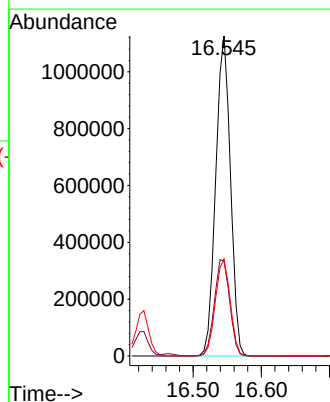
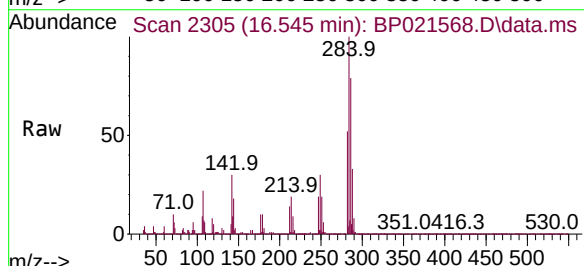
Manual Integrations
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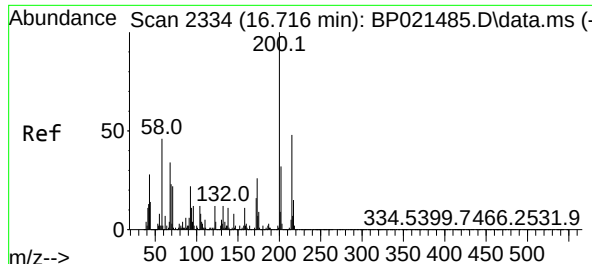
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 21

Delta R.T. -0.006 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS

Tgt Ion:200 Resp: 1219298

Ion Ratio Lower Upper

200 100

173 26.3 6.2 46.2

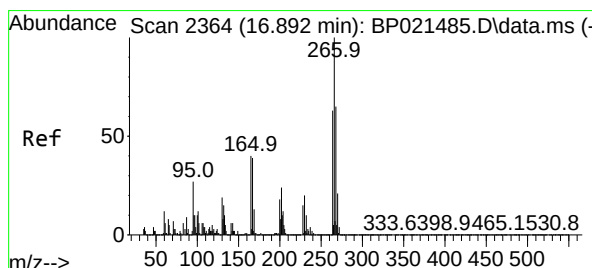
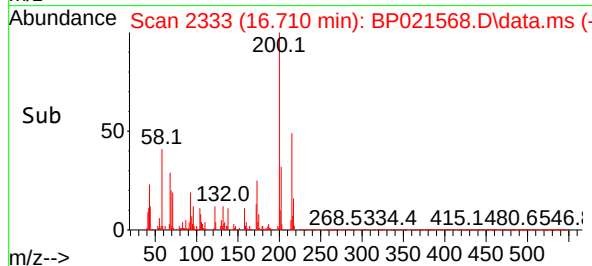
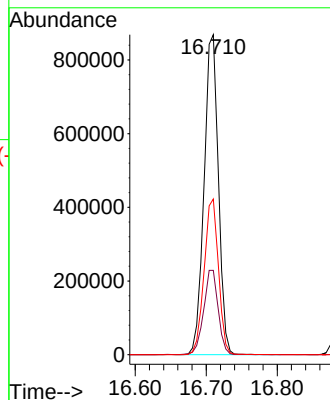
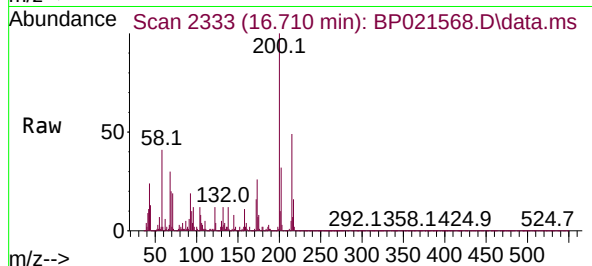
215 48.6 28.4 68.4

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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

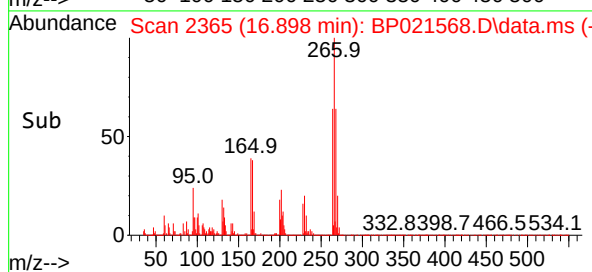
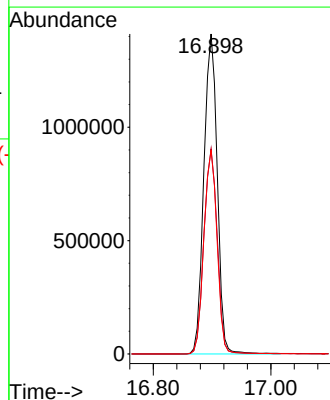
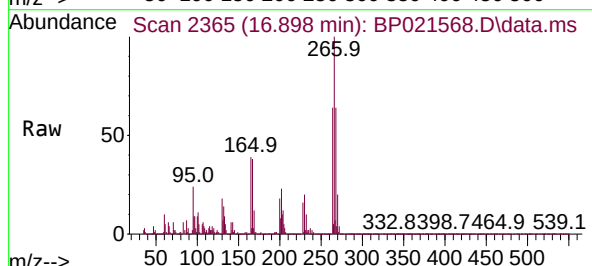
Tgt Ion:266 Resp: 2234935

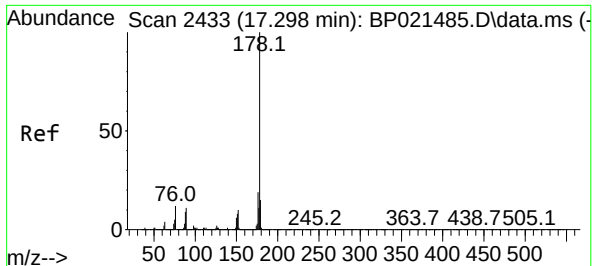
Ion Ratio Lower Upper

266 100

268 64.1 51.8 77.6

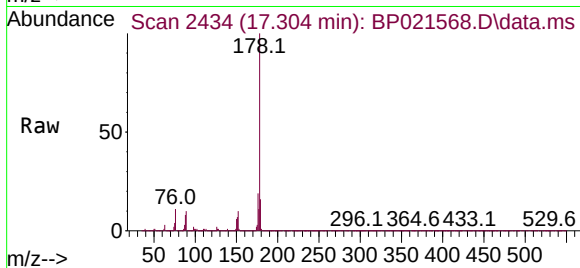
264 63.7 50.5 75.7





#71
Phenanthrene
Concen: 46.623 ng
RT: 17.304 min Scan# 2433
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

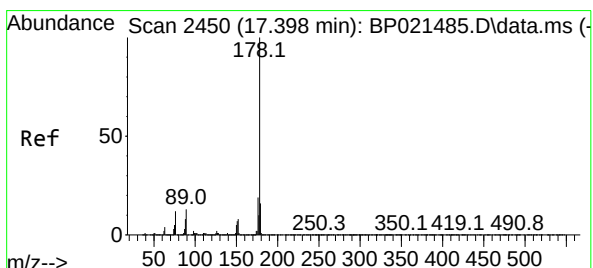
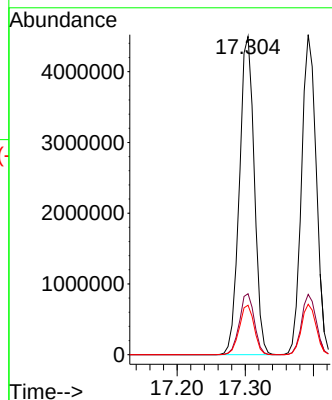
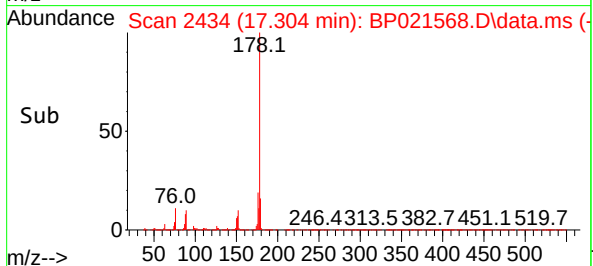
Instrument :
BNA_P
ClientSampleId :
PB162822BS



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

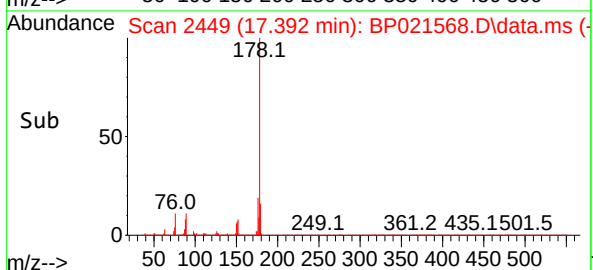
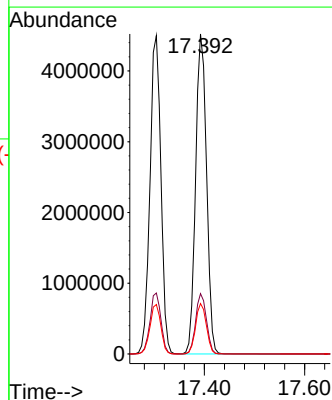
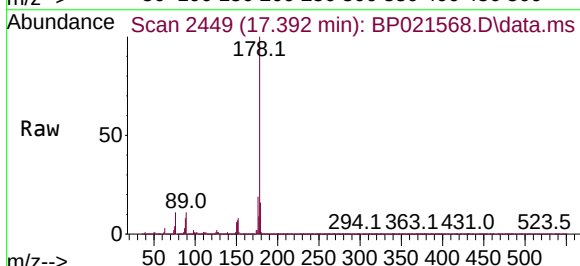
Manual Integrations
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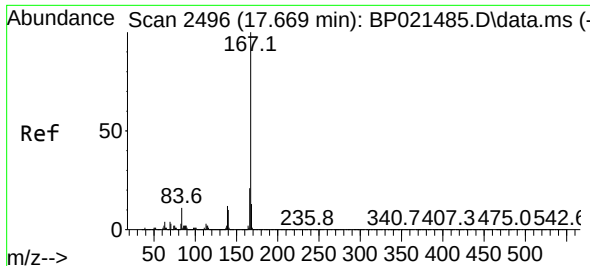
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

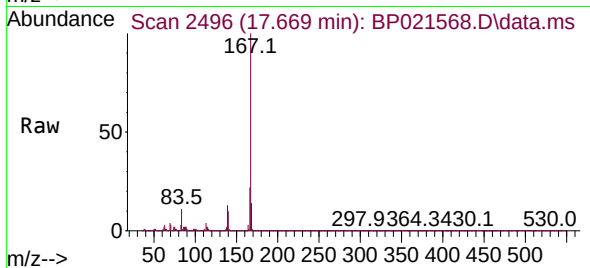
Tgt Ion:178 Resp: 6814116
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.7 12.5 18.7





#73
Carbazole
Concen: 47.774 ng
RT: 17.669 min Scan# 2496
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

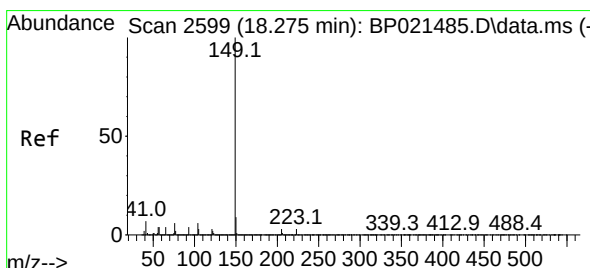
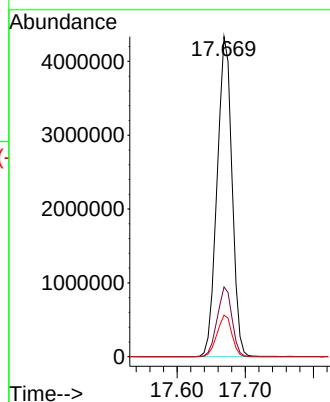
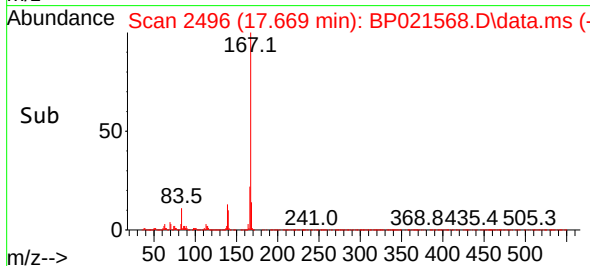
Instrument :
BNA_P
ClientSampleId :
PB162822BS



Tgt Ion:167 Resp: 6597878
Ion Ratio Lower Upper
167 100
166 21.8 17.0 25.4
139 13.0 9.9 14.9

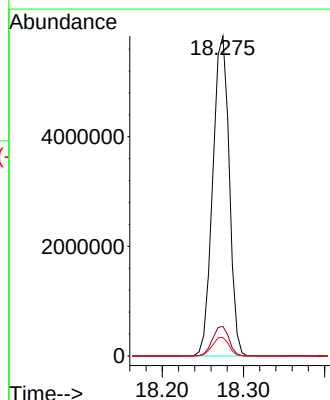
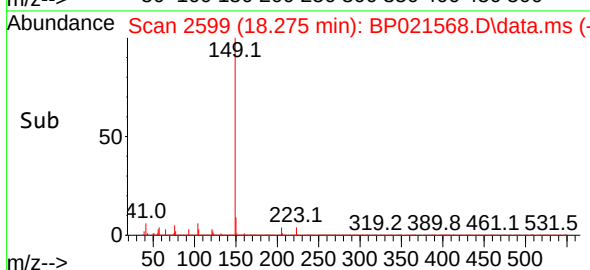
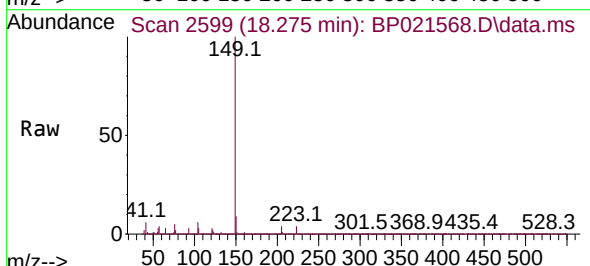
Manual Integrations
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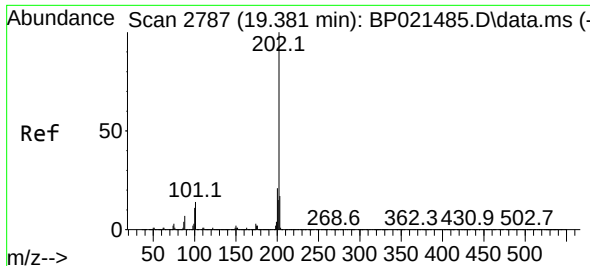
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

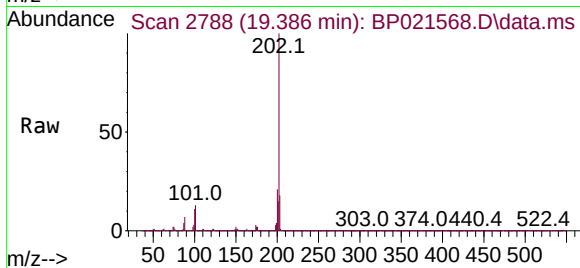
Tgt Ion:149 Resp: 8213695
Ion Ratio Lower Upper
149 100
150 9.3 7.5 11.3
104 5.8 4.9 7.3





#75
Fluoranthene
Concen: 46.065 ng
RT: 19.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

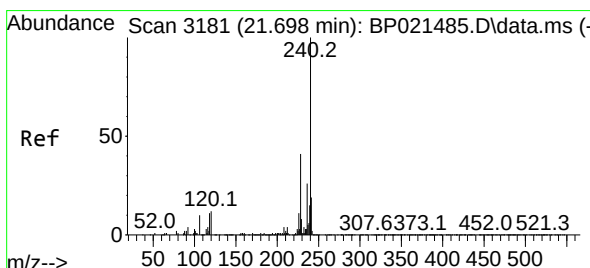
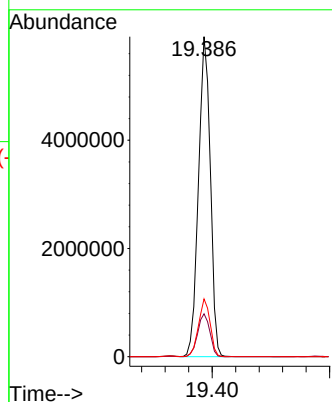
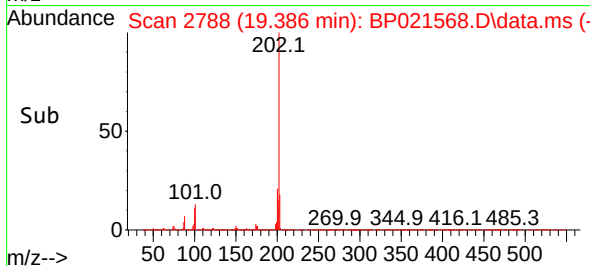
Instrument :
BNA_P
ClientSampleId :
PB162822BS



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

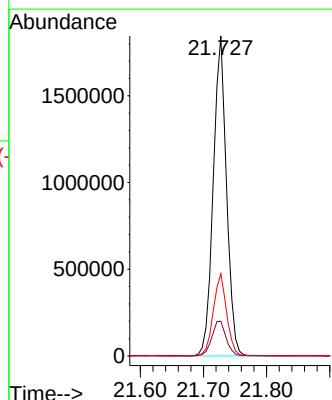
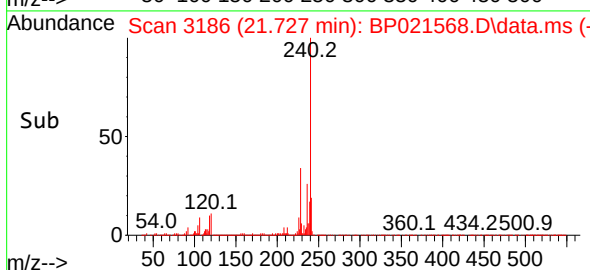
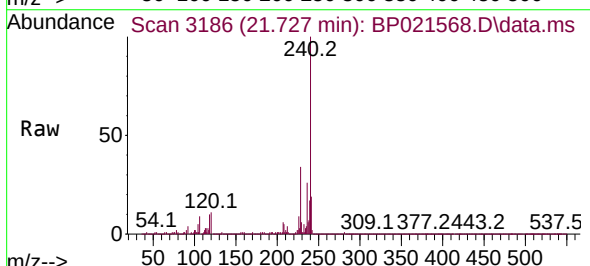
Manual Integrations
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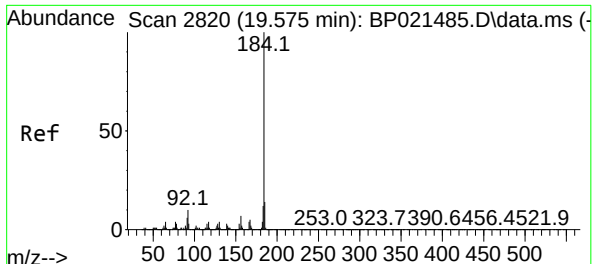
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 2820
Delta R.T. -0.000 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

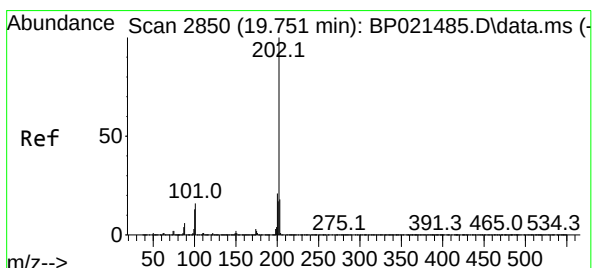
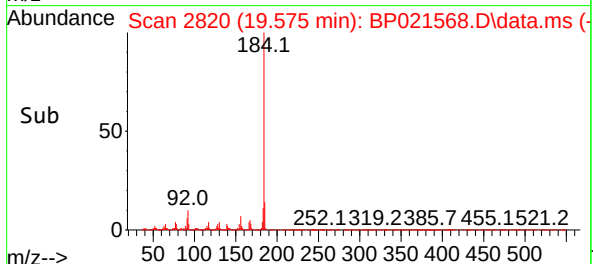
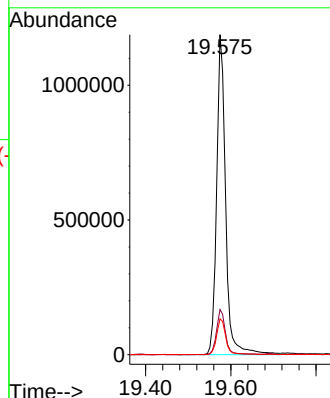
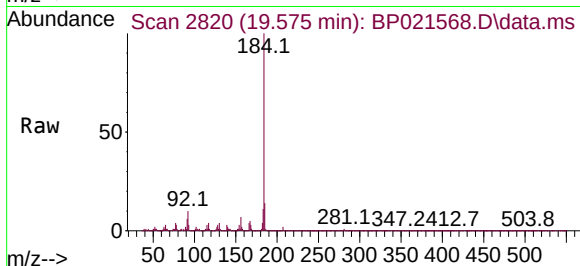
ClientSampleId :

PB162822BS

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

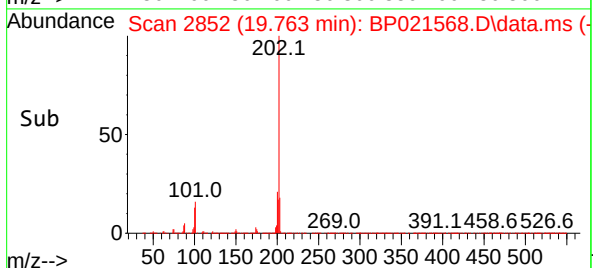
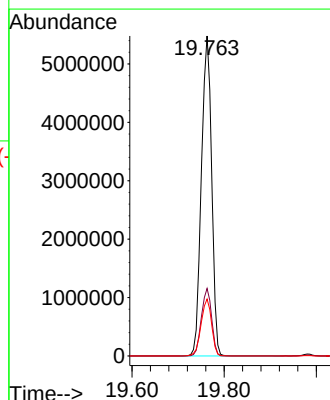
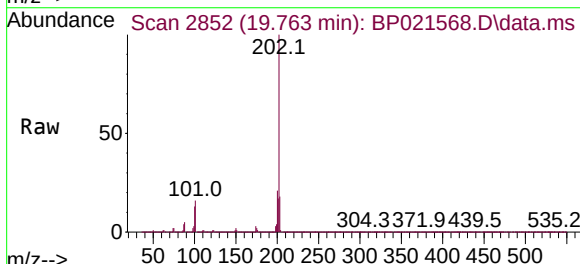
Manual Integrations
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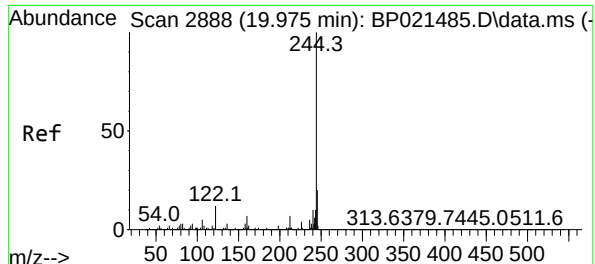
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 2889

Delta R.T. 0.005 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS

Tgt Ion:244 Resp:11775634

Ion Ratio Lower Upper

244 100

212 8.0 5.6 8.4

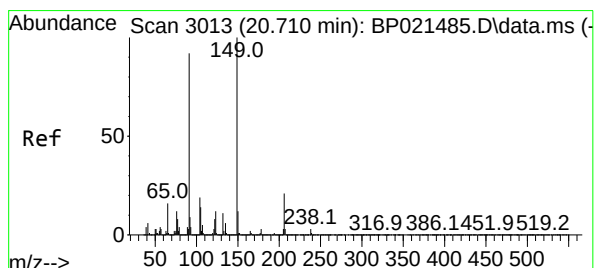
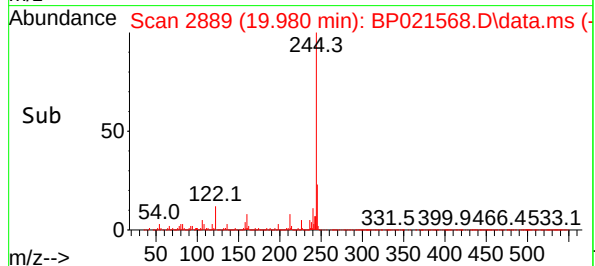
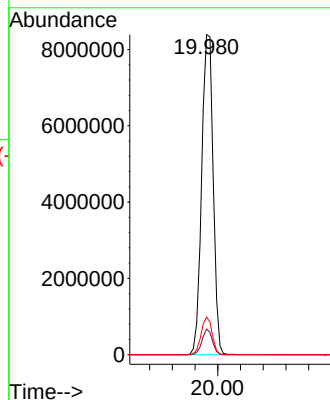
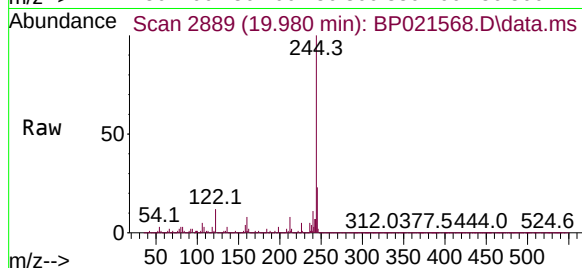
122 11.8 9.4 14.2

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

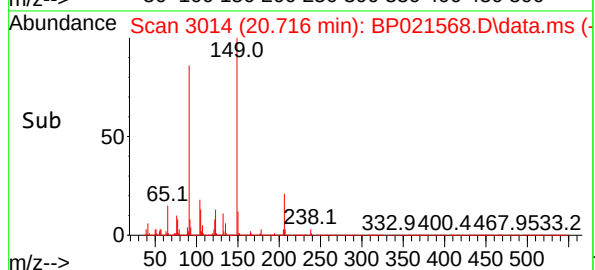
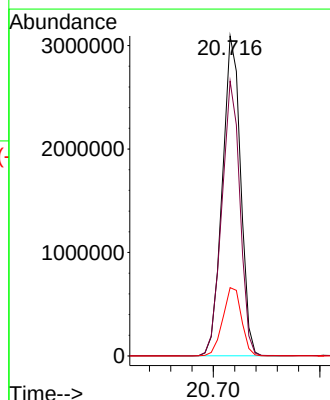
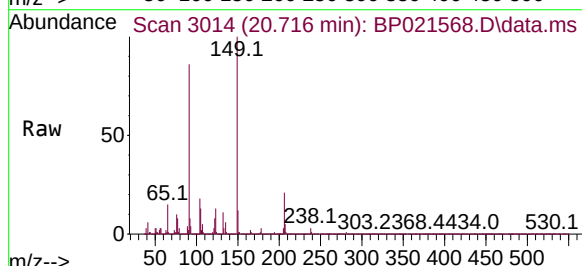
Tgt Ion:149 Resp: 3674312

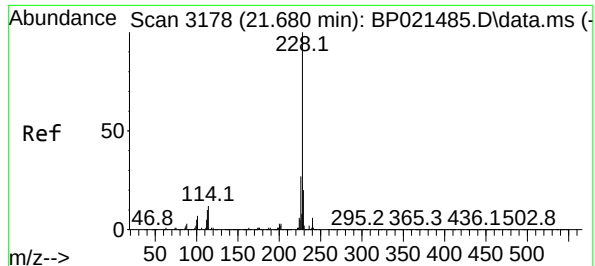
Ion Ratio Lower Upper

149 100

91 85.9 73.3 109.9

206 21.4 17.1 25.7





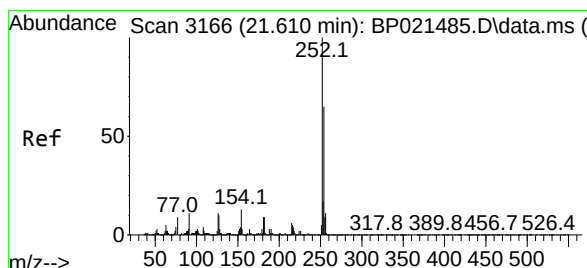
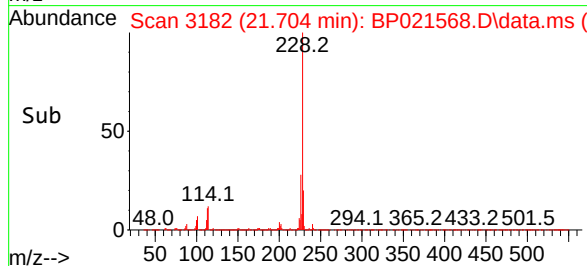
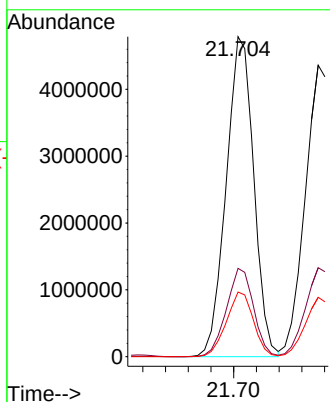
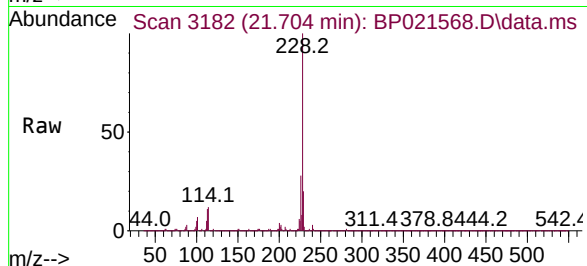
#81
Benzo(a)anthracene
Concen: 47.864 ng
RT: 21.704 min Scan# 3178
Delta R.T. 0.023 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

Instrument :
BNA_P
ClientSampleId :
PB162822BS

Tgt Ion:228 Resp: 8065910
Ion Ratio Lower Upper
228 100
226 27.6 21.4 32.2
229 20.2 15.8 23.6

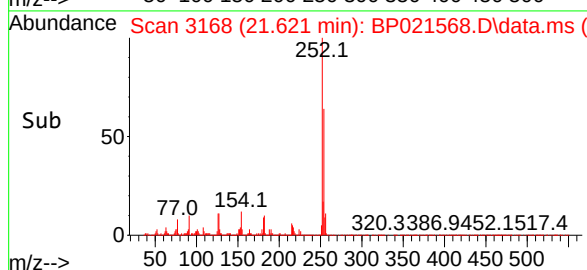
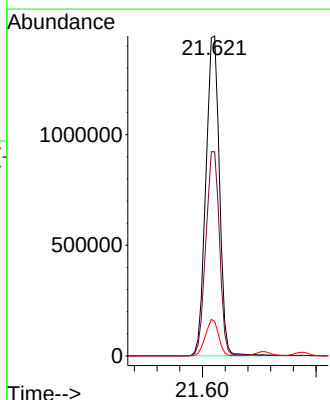
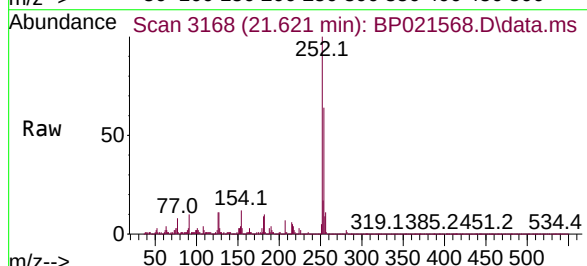
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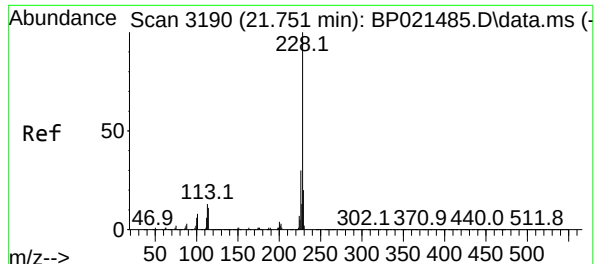
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 3190

Delta R.T. 0.023 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS

Tgt Ion:228 Resp: 7638418

Ion Ratio Lower Upper

228 100

226 30.5 23.9 35.9

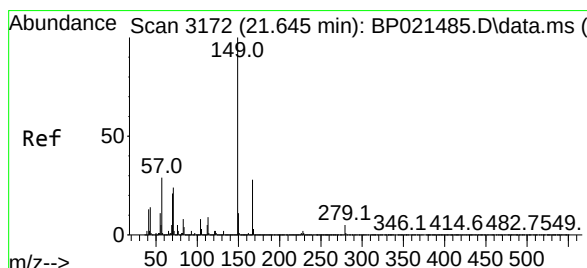
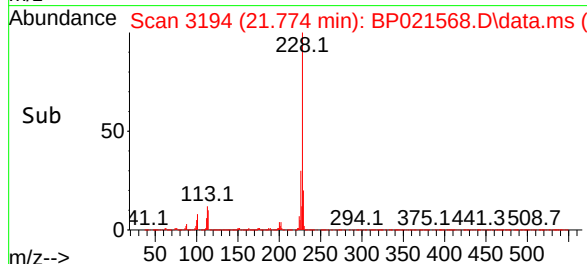
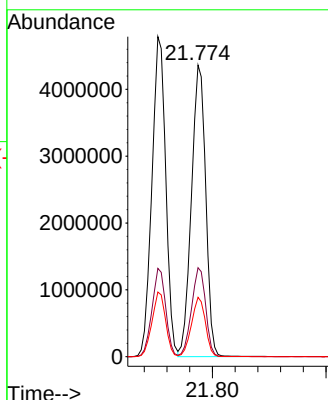
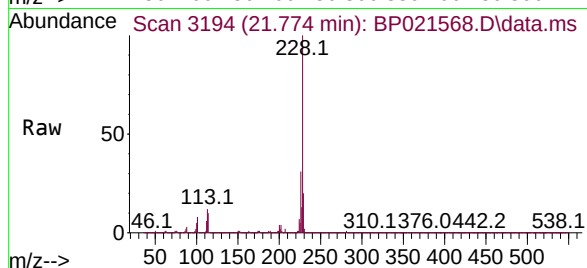
229 20.3 15.8 23.6

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

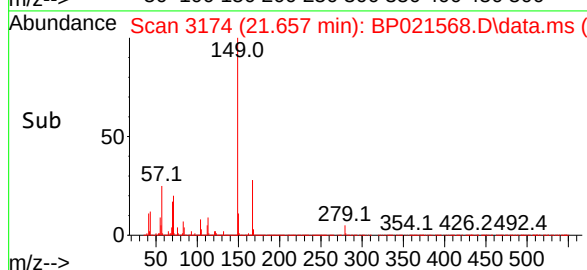
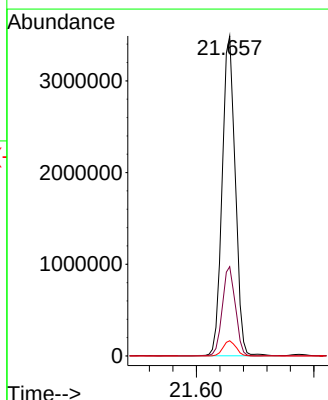
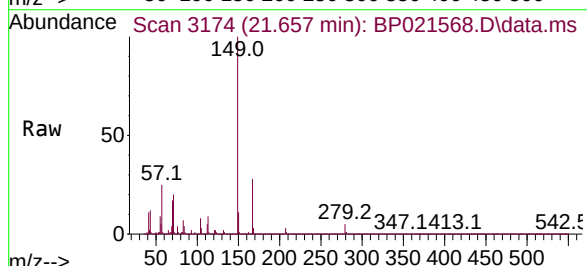
Tgt Ion:149 Resp: 5396475

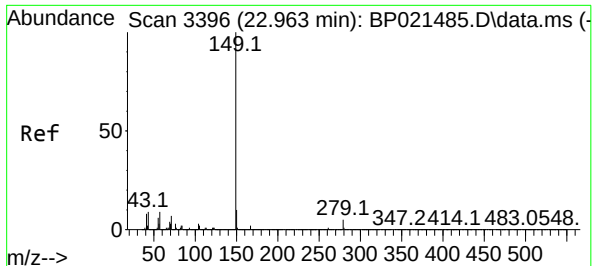
Ion Ratio Lower Upper

149 100

167 27.9 22.3 33.5

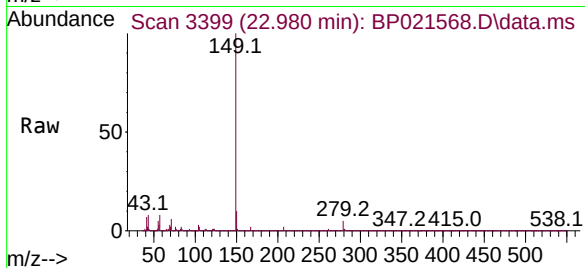
279 4.8 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 52.766 ng
RT: 22.980 min Scan# 31
Delta R.T. 0.017 min
Lab File: BP021568.D
Acq: 20 Aug 2024 11:31

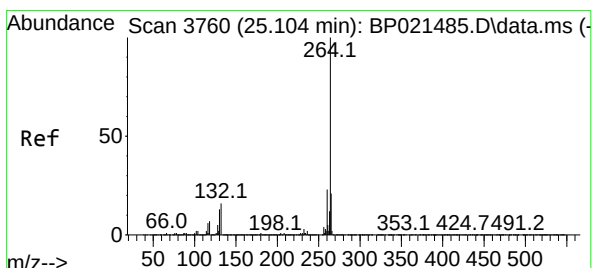
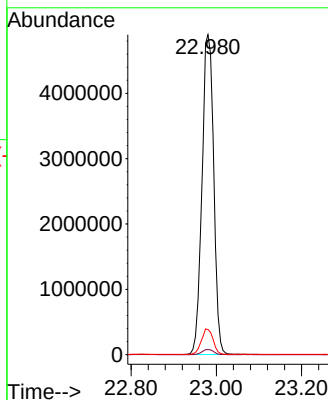
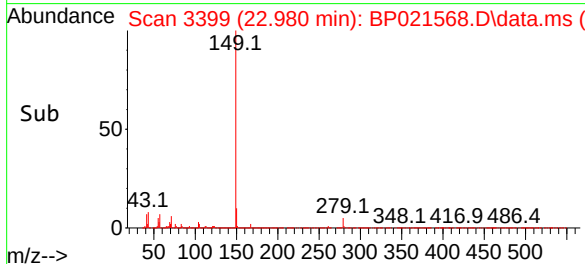
Instrument :
BNA_P
ClientSampleId :
PB162822BS



Tgt Ion:149 Resp: 9325220
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.9 7.3 10.9

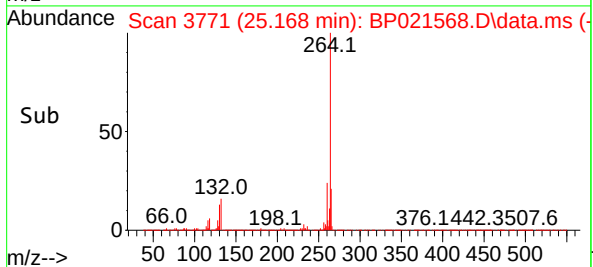
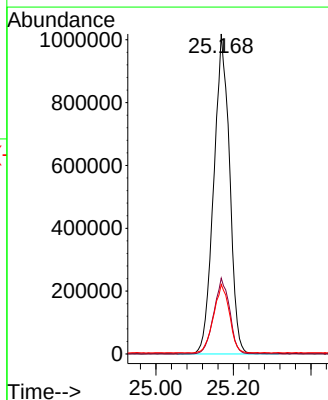
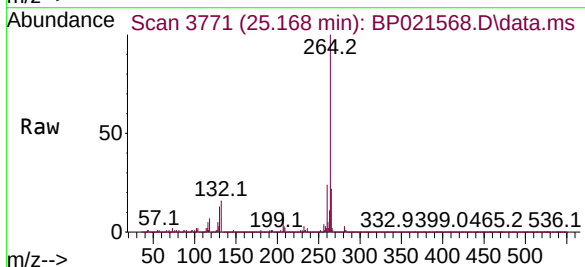
Manual Integrations
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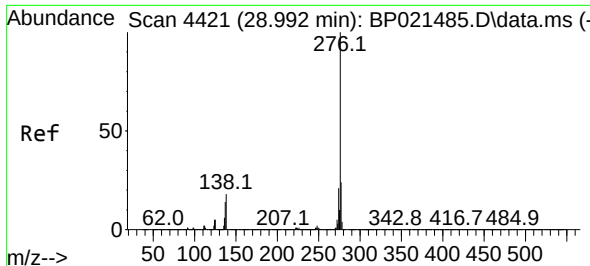
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.168 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# 4421

Delta R.T. 0.100 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS

Tgt Ion:276 Resp:10117374

Ion Ratio Lower Upper

276 100

138 16.4 12.8 19.2

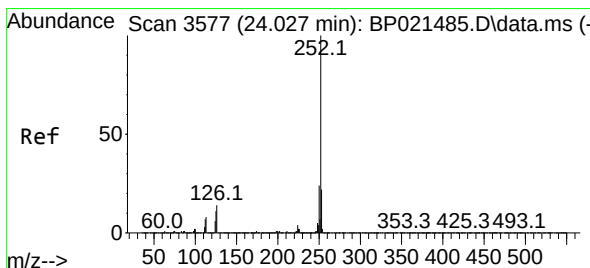
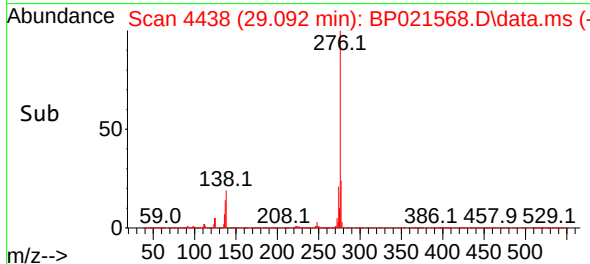
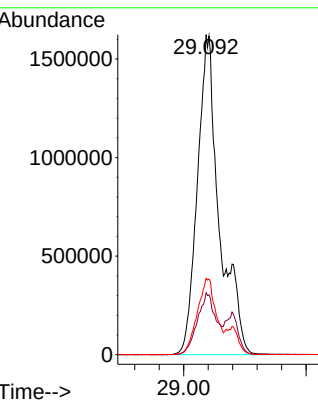
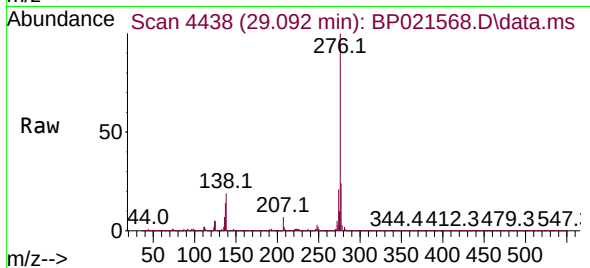
277 20.3 16.5 24.7

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

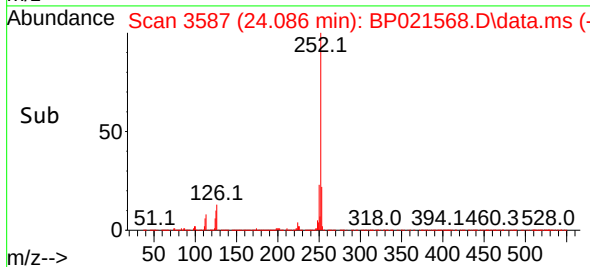
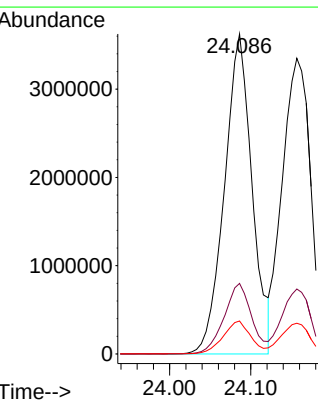
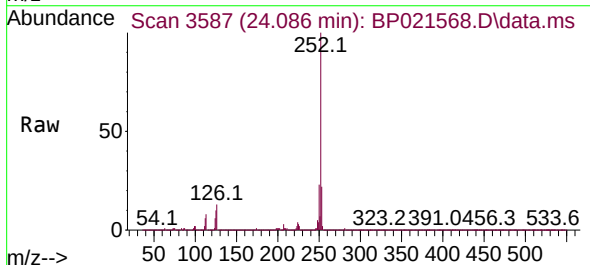
Tgt Ion:252 Resp: 8554644

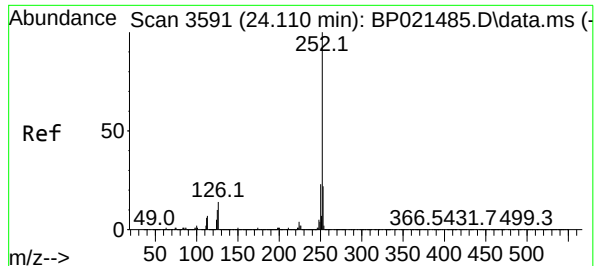
Ion Ratio Lower Upper

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# 3599

Delta R.T. 0.047 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS

Tgt Ion:252 Resp: 8136624

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

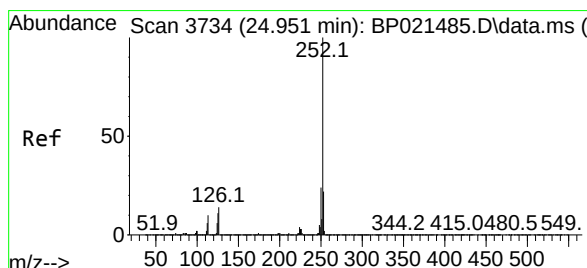
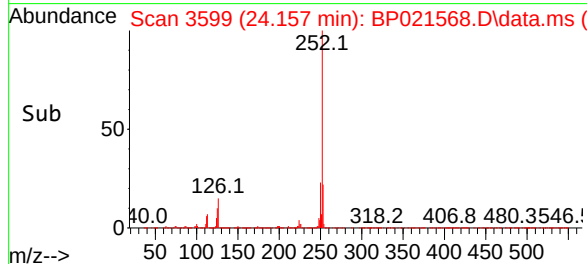
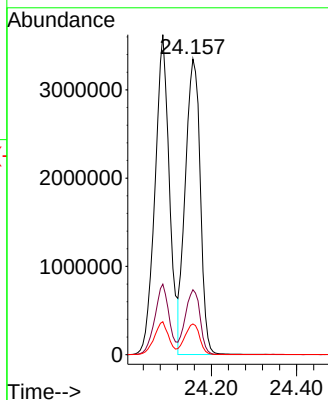
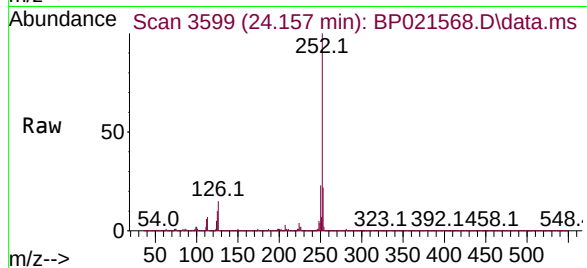
125 10.4 7.8 11.8

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

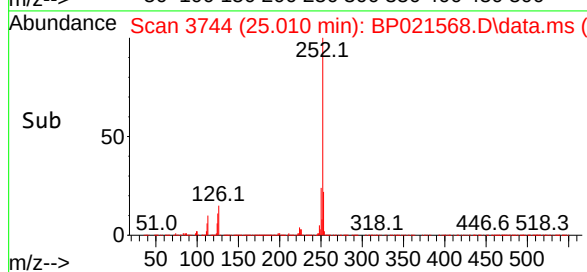
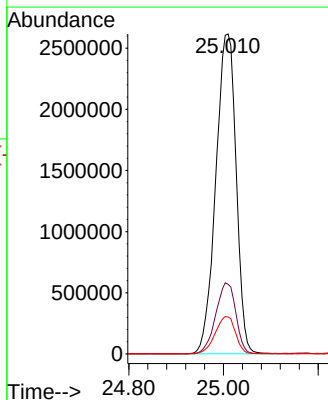
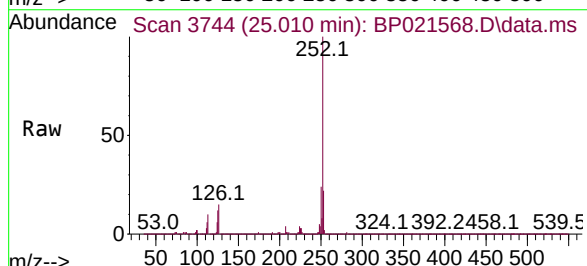
Tgt Ion:252 Resp: 7802789

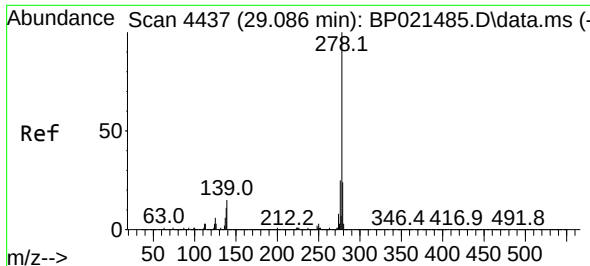
Ion Ratio Lower Upper

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# 4437

Delta R.T. 0.112 min

Lab File: BP021568.D

Acq: 20 Aug 2024 11:31

Instrument :

BNA_P

ClientSampleId :

PB162822BS

Tgt Ion:278 Resp: 826341

Ion Ratio Lower Upper

278 100

139 15.9 12.2 18.4

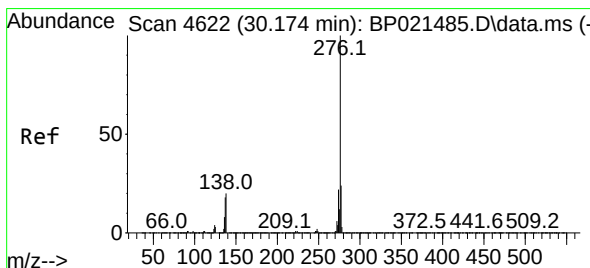
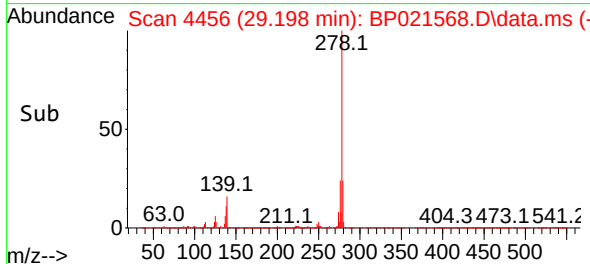
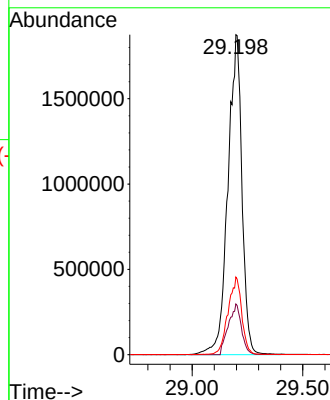
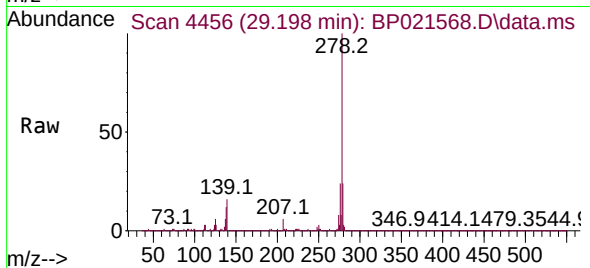
279 24.2 19.1 28.7

Manual Integrations

APPROVED

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

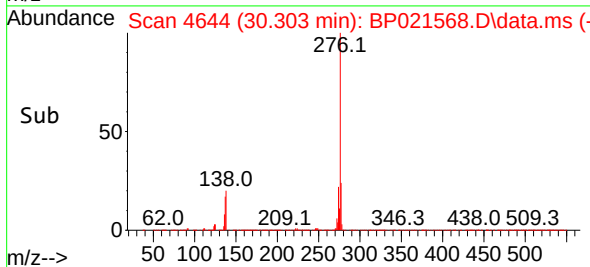
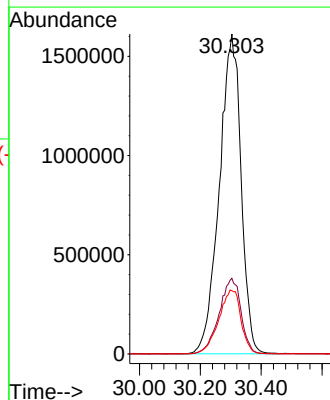
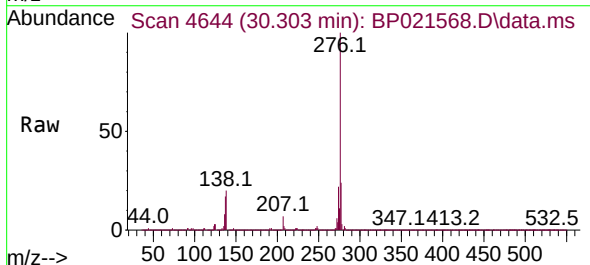
Tgt Ion:276 Resp: 7985298

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.6

138 19.8 16.0 24.0



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

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

Instrument :
 BNA_P
 ClientSampleId :
 PB162822BSD

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

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						
2) 1,4-Dioxane	3.323	88	451297	28.781	ng	Qvalue 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

Instrument :
 BNA_P
 ClientSampleId :
 PB162822BSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/21/2024
 Supervised By :mohammad ahmed 08/22/2024

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

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

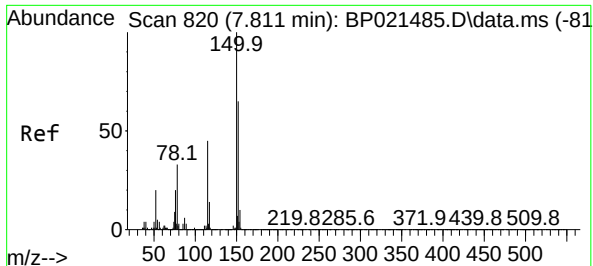
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024





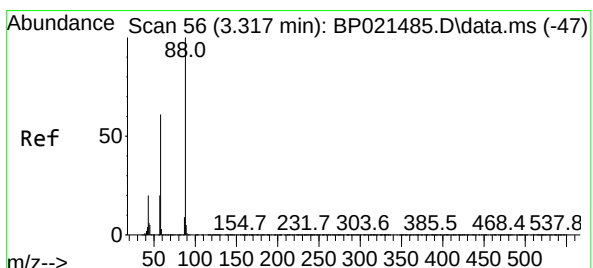
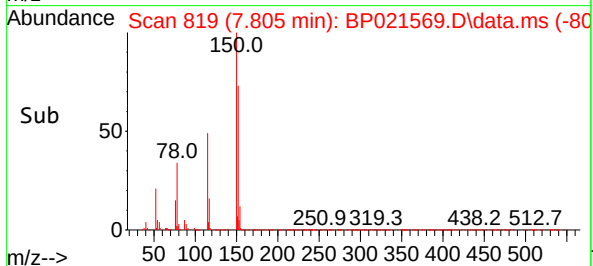
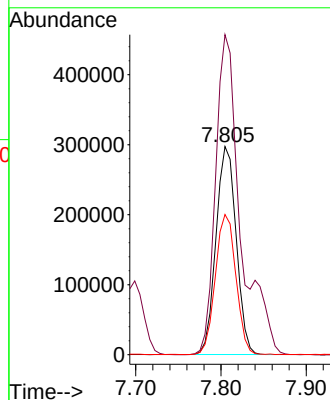
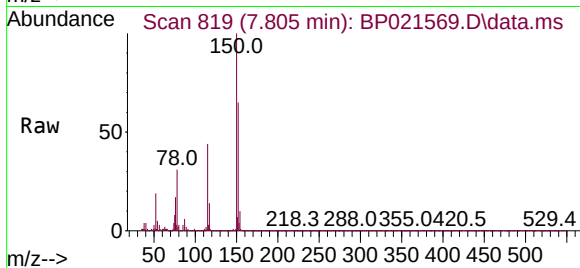
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.805 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Tgt Ion: 152 Resp: 491039
Ion Ratio Lower Upper
152 100
150 153.8 122.4 183.6
115 67.4 54.7 82.1

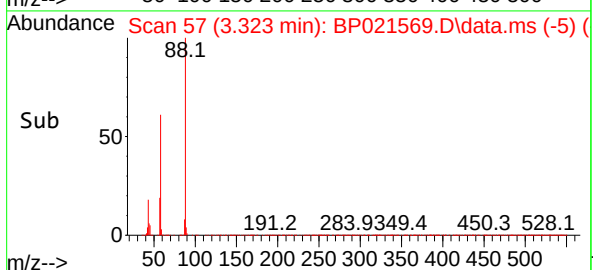
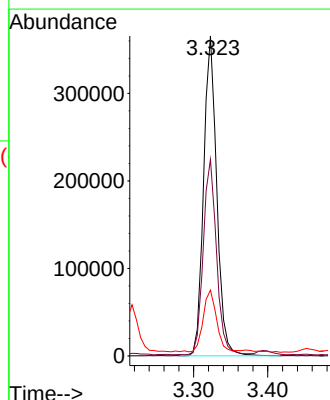
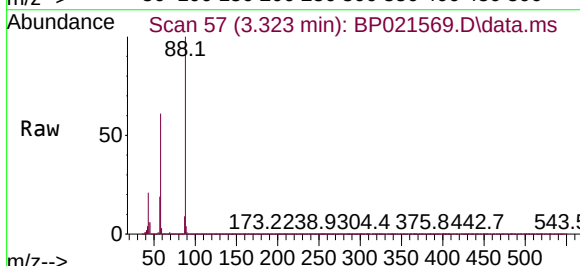
Manual Integrations
APPROVED

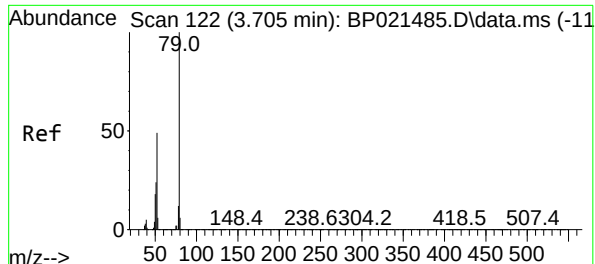
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





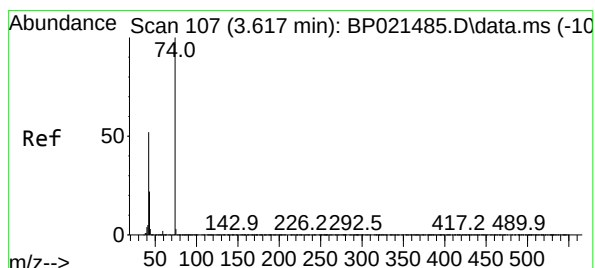
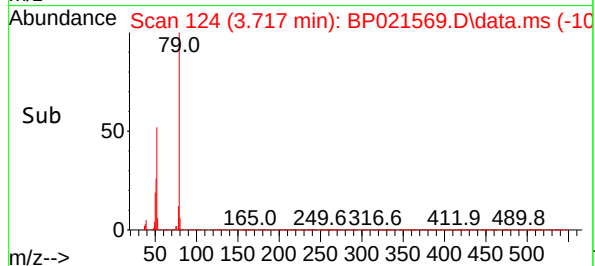
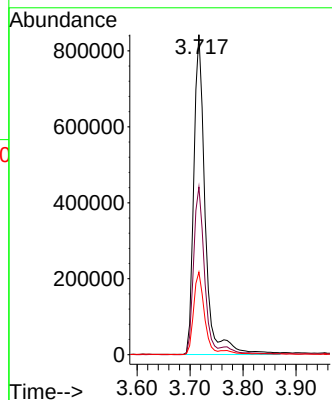
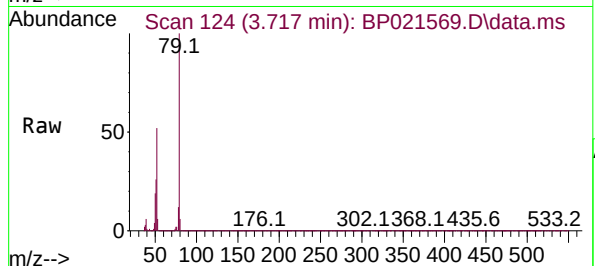
#3
Pyridine
Concen: 28.820 ng m
RT: 3.717 min Scan# 107
Delta R.T. 0.012 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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

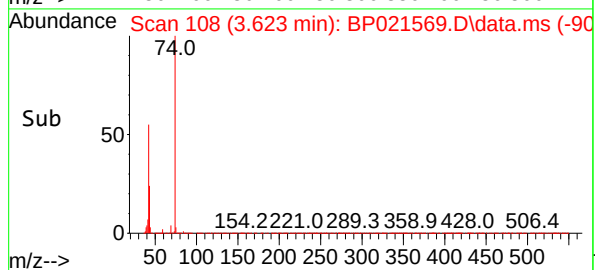
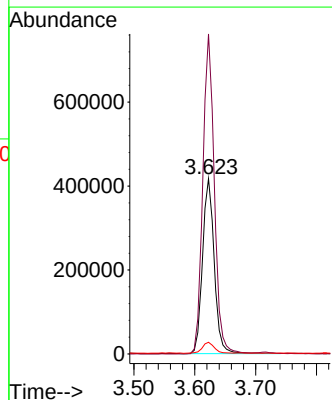
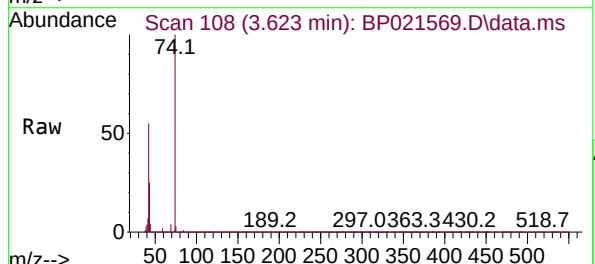
Manual Integrations
APPROVED

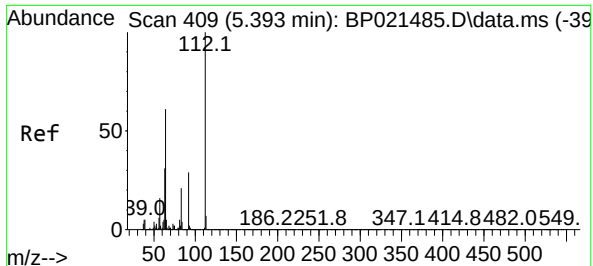
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

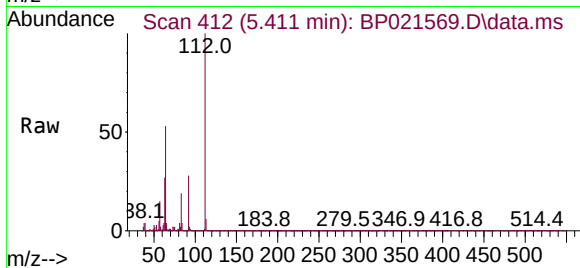
Tgt Ion: 42 Resp: 558739
Ion Ratio Lower Upper
42 100
74 182.4 154.3 231.5
44 6.7 6.2 9.4





#5
2-Fluorophenol
Concen: 136.932 ng
RT: 5.411 min Scan# 412
Delta R.T. 0.018 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

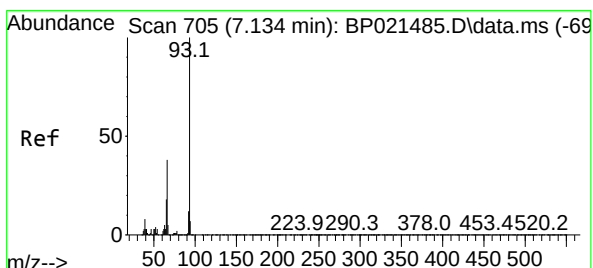
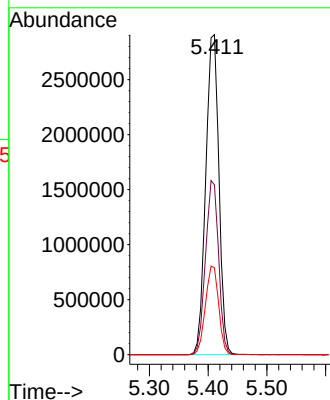
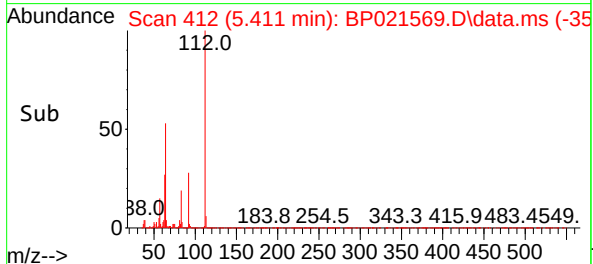
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



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

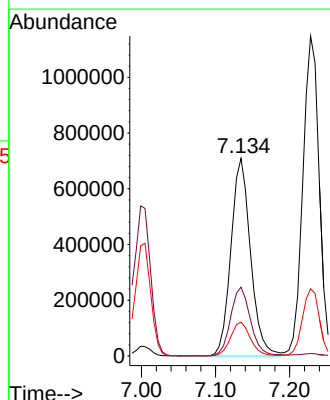
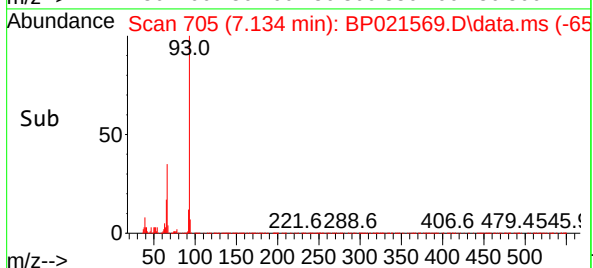
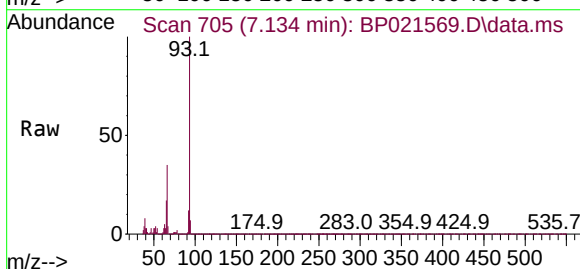
Manual Integrations
APPROVED

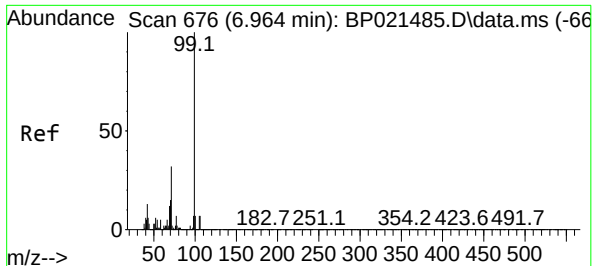
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 61

Delta R.T. 0.012 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

Tgt Ion: 99 Resp: 6165870

Ion Ratio Lower Upper

99 100

42 12.7 10.2 15.4

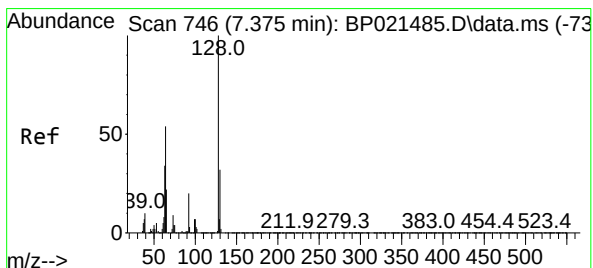
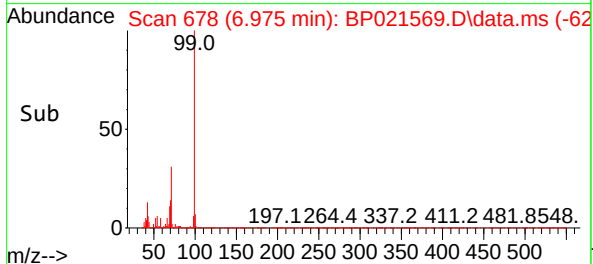
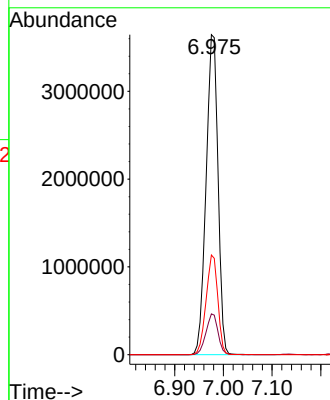
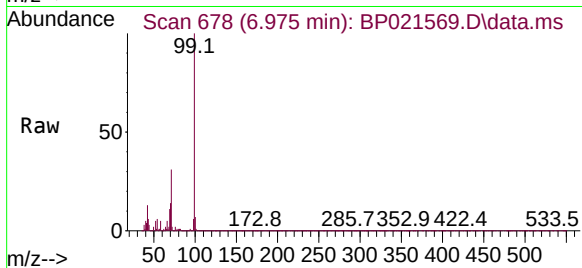
71 31.1 25.8 38.8

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

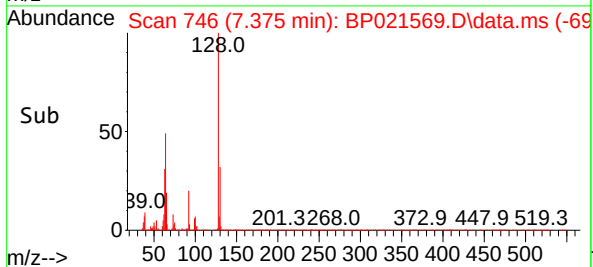
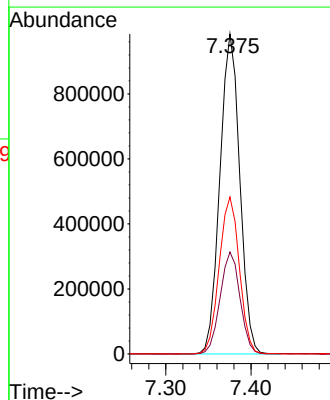
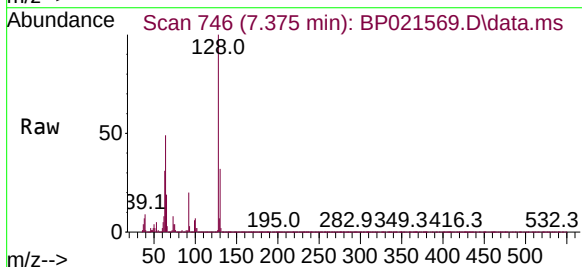
Tgt Ion:128 Resp: 1596706

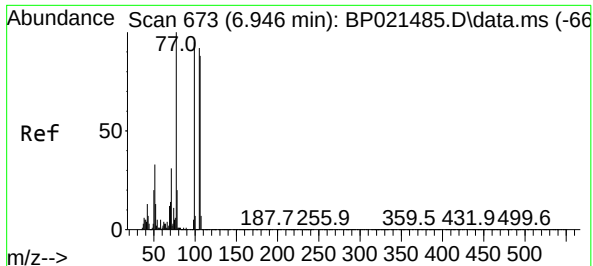
Ion Ratio Lower Upper

128 100

130 31.9 11.6 51.6

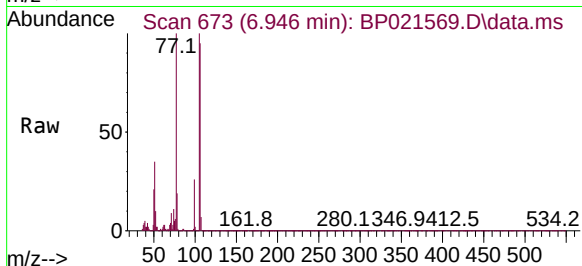
64 49.1 35.3 75.3





#9
Benzaldehyde
Concen: 21.385 ng m
RT: 6.946 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

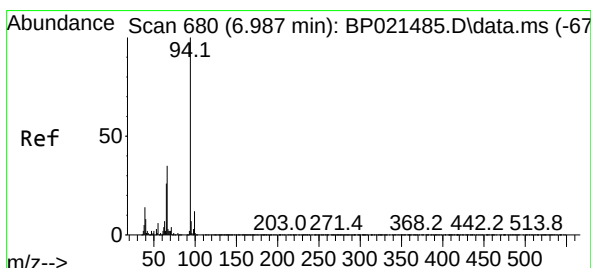
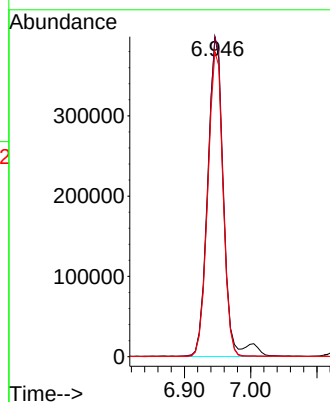
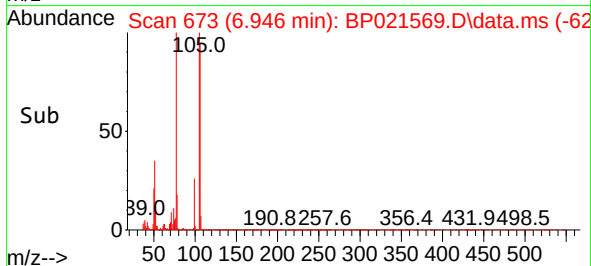
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



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

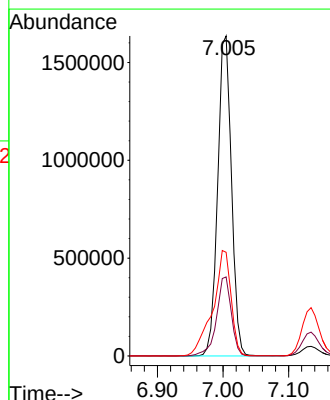
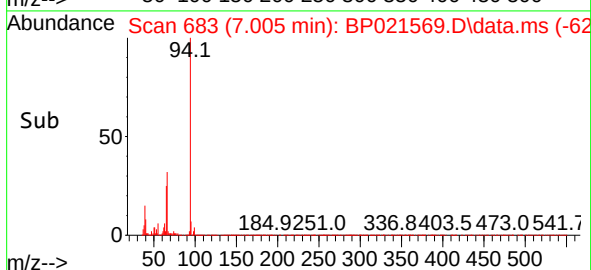
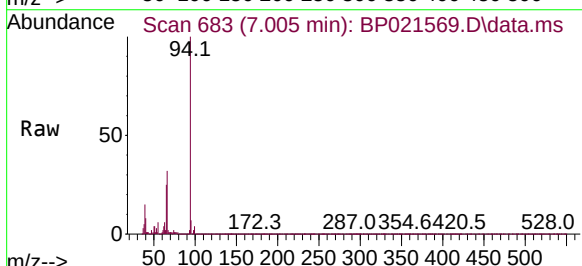
Manual Integrations
APPROVED

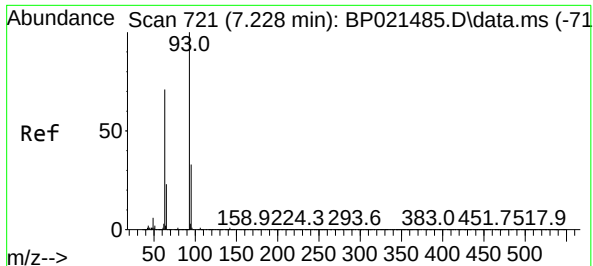
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 721

Delta R.T. 0.000 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

Tgt Ion: 93 Resp: 1760124

Ion Ratio Lower Upper

93 100

63 66.6 51.0 91.0

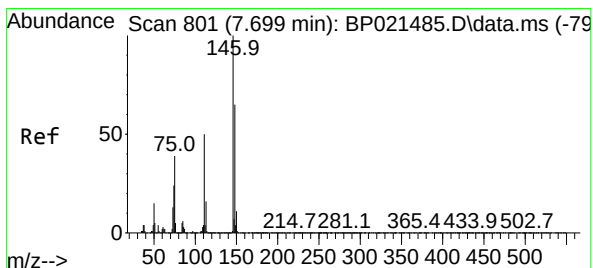
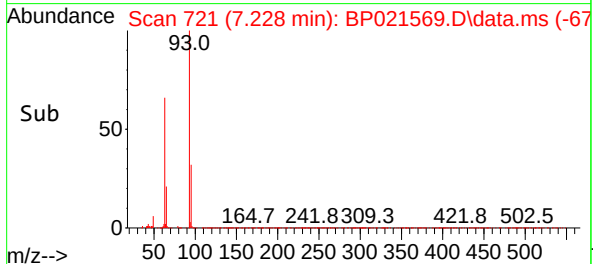
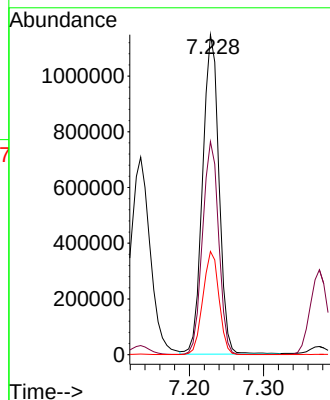
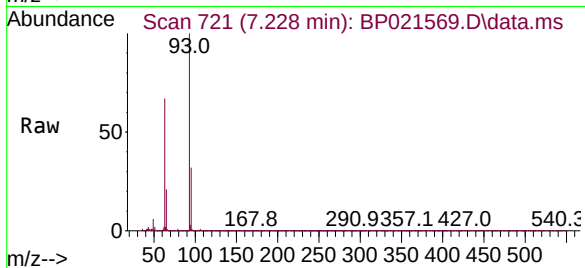
95 32.3 12.9 52.9

Manual Integrations

APPROVED

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

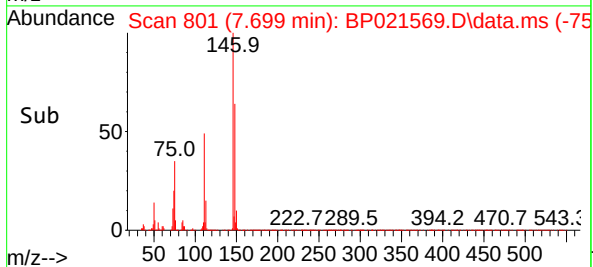
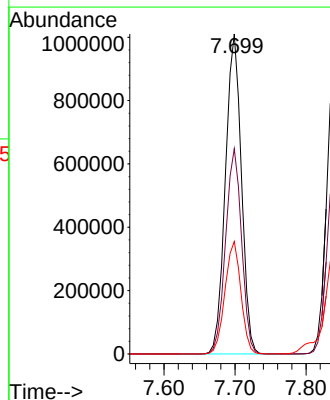
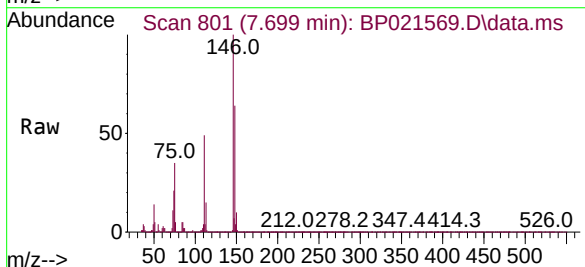
Tgt Ion:146 Resp: 1573718

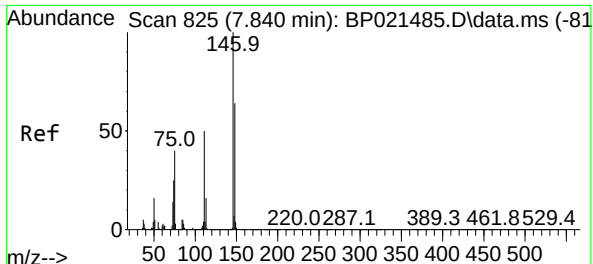
Ion Ratio Lower Upper

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# 81

Delta R.T. 0.000 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

Tgt Ion:146 Resp: 160376

Ion Ratio Lower Upper

146 100

148 64.4 51.5 77.3

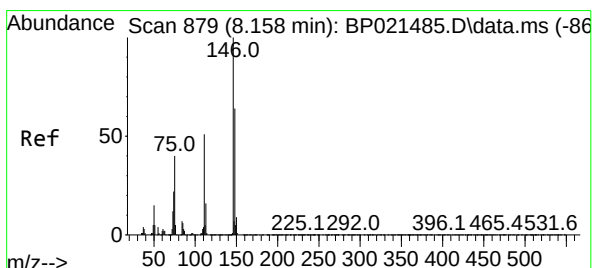
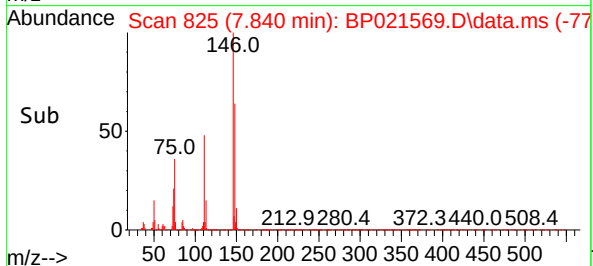
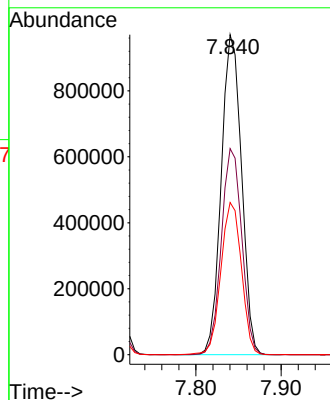
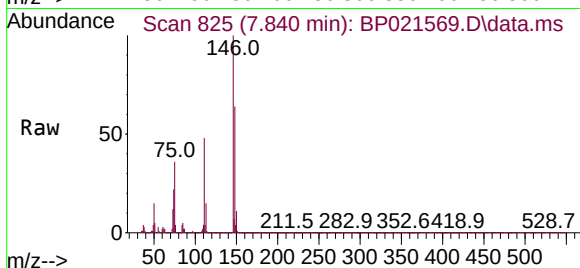
111 47.5 40.3 60.5

Manual Integrations

APPROVED

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

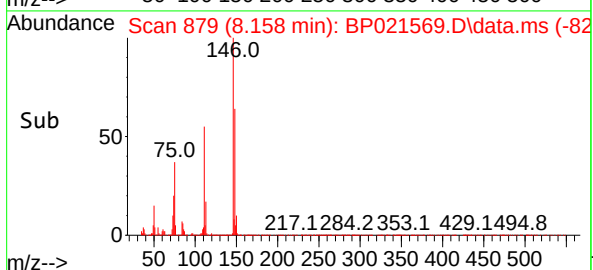
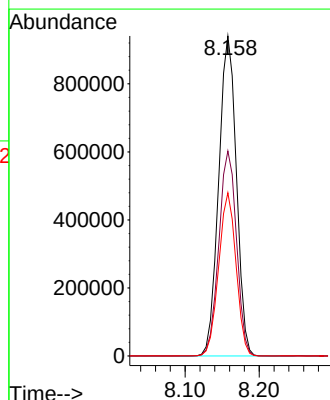
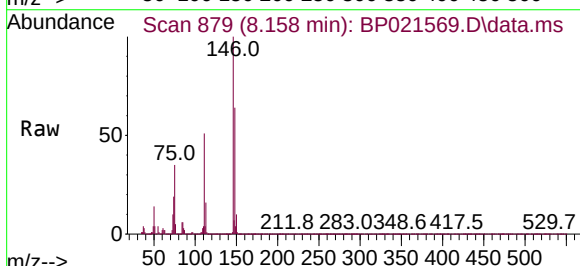
Tgt Ion:146 Resp: 1559102

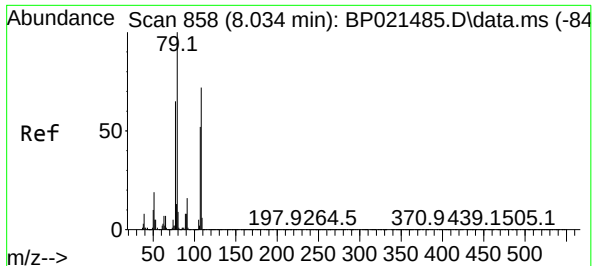
Ion Ratio Lower Upper

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# 858

Delta R.T. 0.006 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

Tgt Ion: 79 Resp: 162625

Ion Ratio Lower Upper

79 100

108 77.7 57.9 86.9

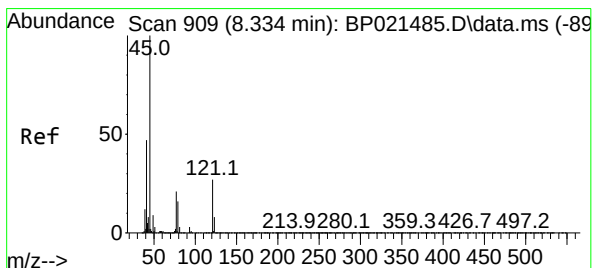
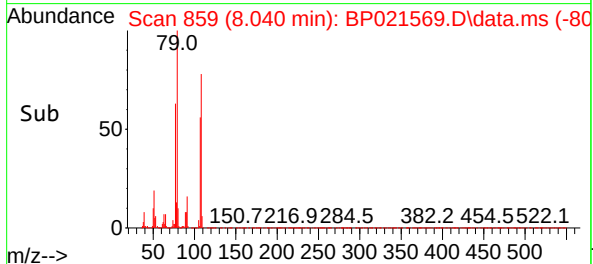
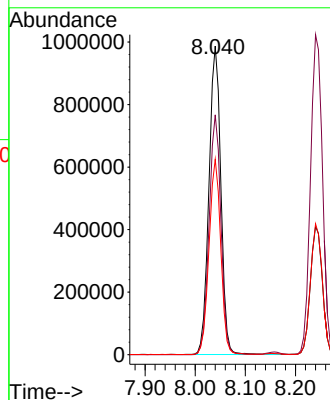
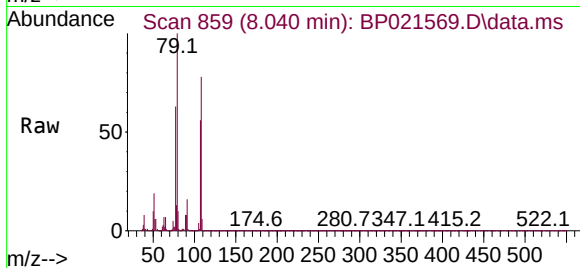
77 63.3 51.8 77.8

Manual Integrations

APPROVED

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

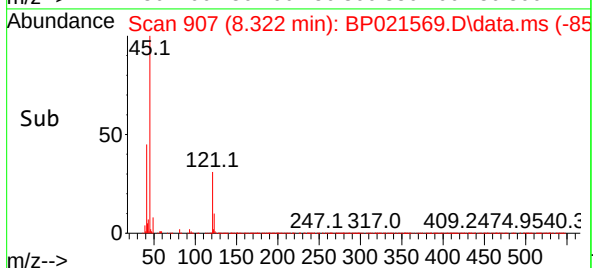
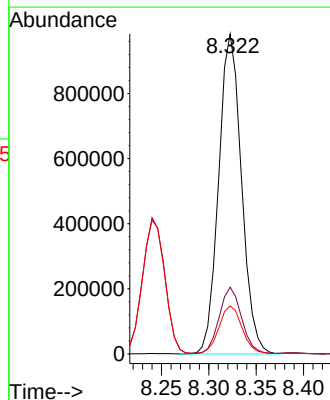
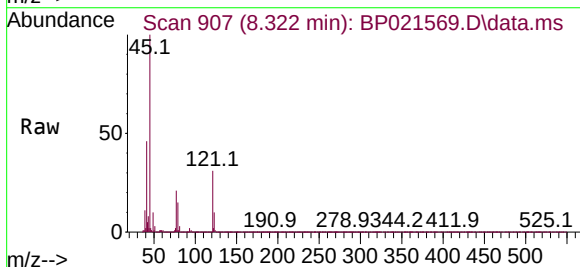
Tgt Ion: 45 Resp: 1647523

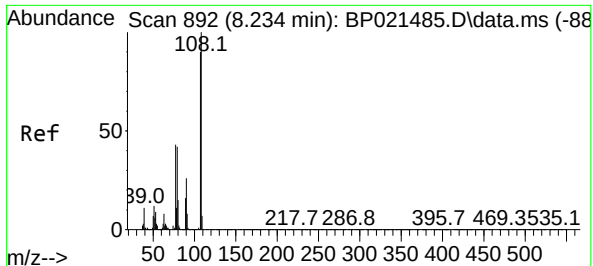
Ion Ratio Lower Upper

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# 89

Delta R.T. 0.006 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

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

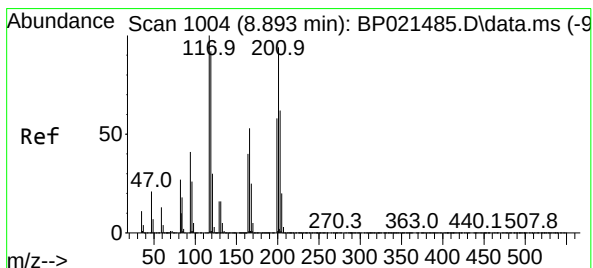
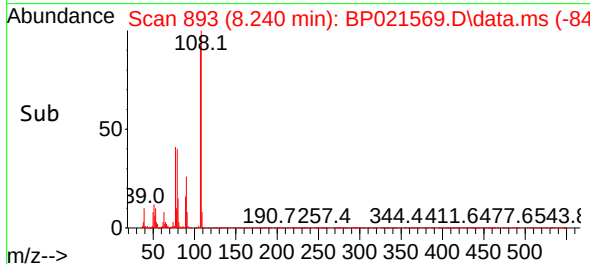
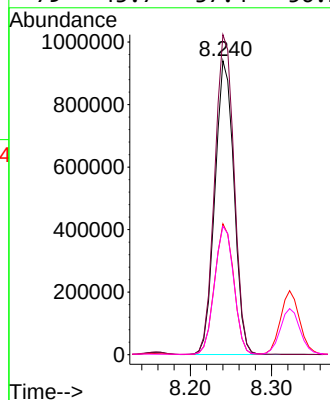
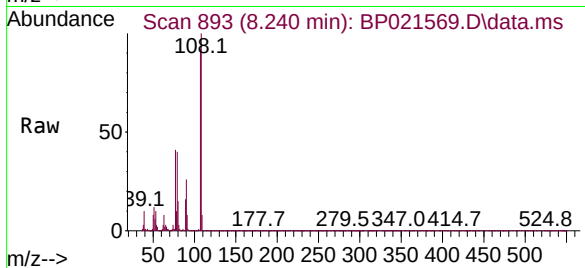
79 43.7 37.4 56.2

Manual Integrations

APPROVED

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

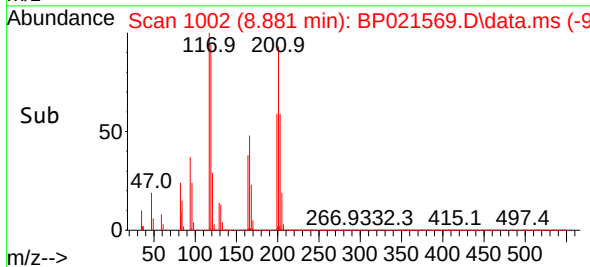
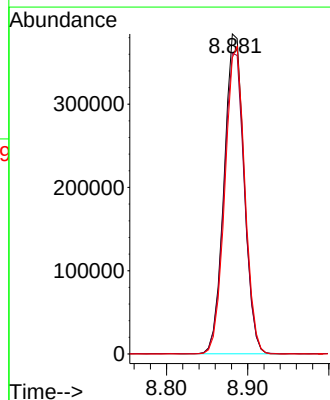
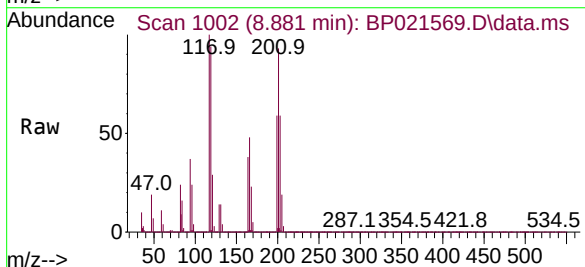
Tgt Ion:117 Resp: 659730

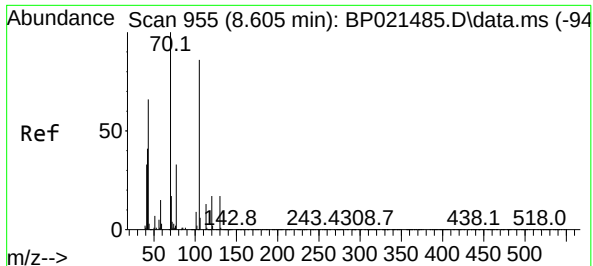
Ion Ratio Lower Upper

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# 91

Delta R.T. 0.000 min

Lab File: BP021569.D

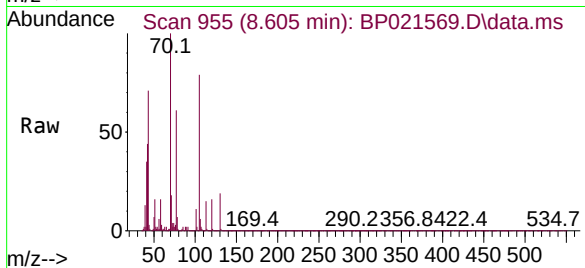
Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD



Tgt Ion: 70 Resp: 1249300

Ion Ratio Lower Upper

70 100

42 44.0 33.1 49.7

101 10.9 7.4 11.2

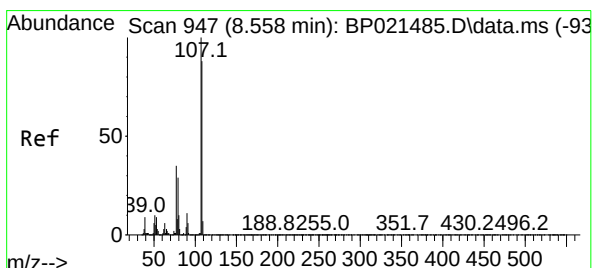
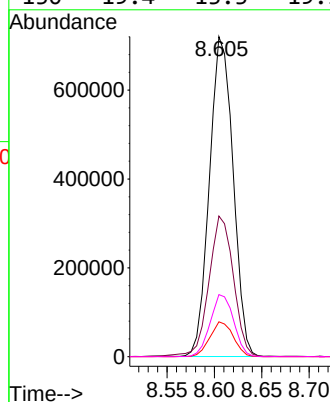
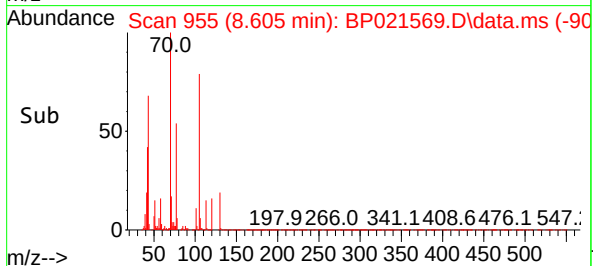
130 19.4 13.3 19.9

Manual Integrations

APPROVED

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

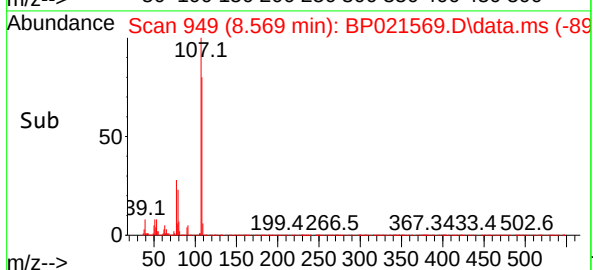
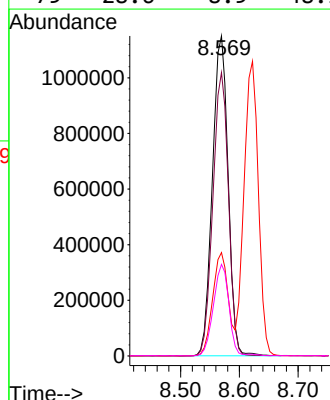
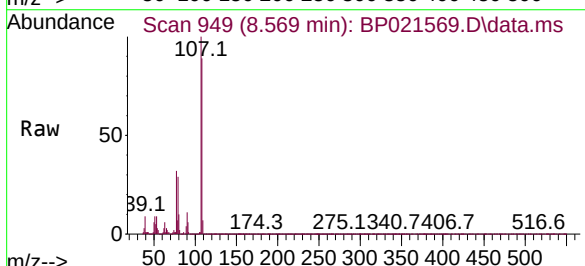
Ion Ratio Lower Upper

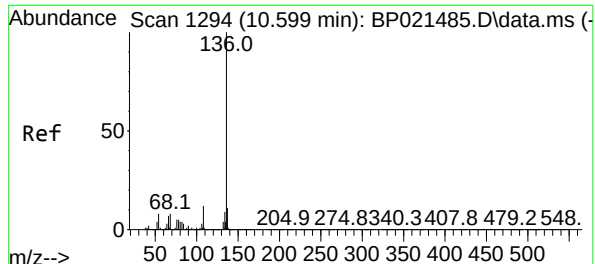
107 100

108 88.5 67.6 107.6

77 32.3 15.0 55.0

79 28.6 8.9 48.9





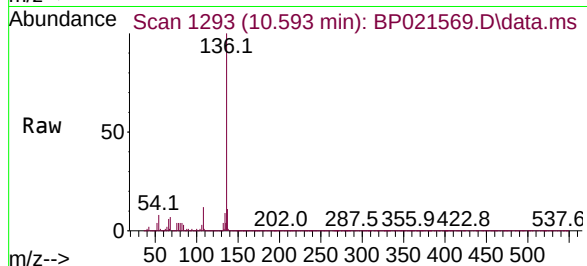
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

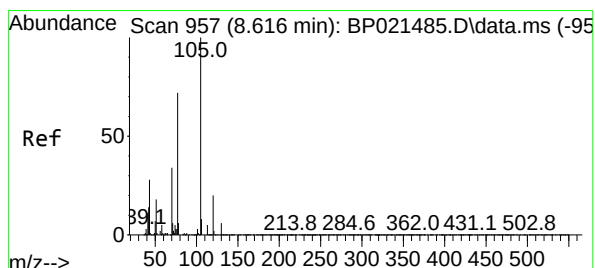
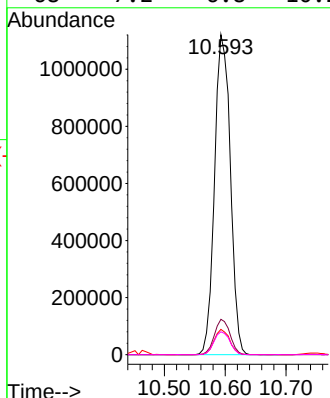
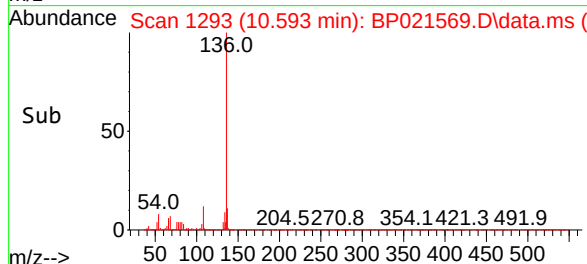
PB162822BSD



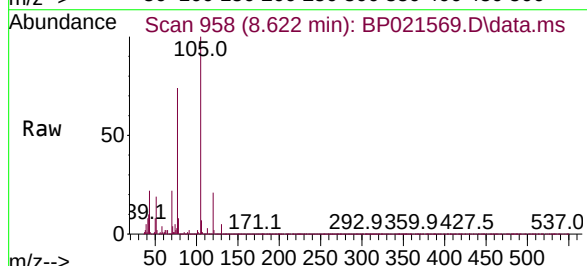
Tgt Ion:136 Resp: 201819
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.9 6.3 9.5
68 7.2 6.8 10.2

Manual Integrations
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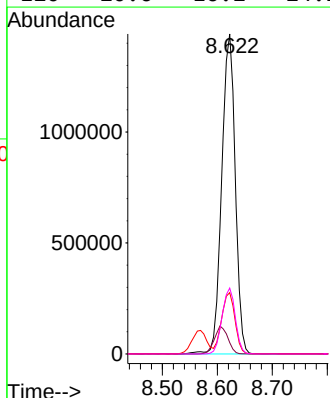
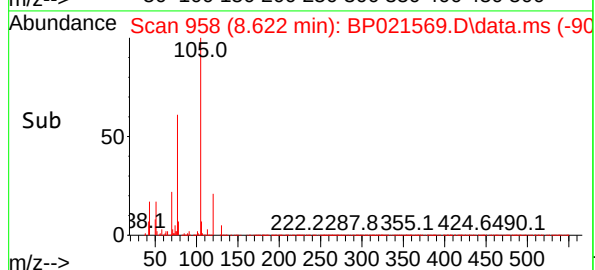
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

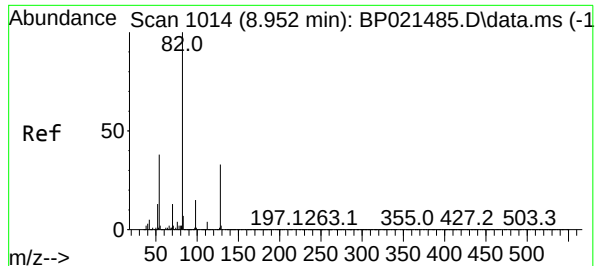


#22
Acetophenone
Concen: 39.612 ng
RT: 8.622 min Scan# 958
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13



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# 1014

Delta R.T. 0.006 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

Tgt Ion: 82 Resp: 3635318

Ion Ratio Lower Upper

82 100

128 38.3 26.5 39.7

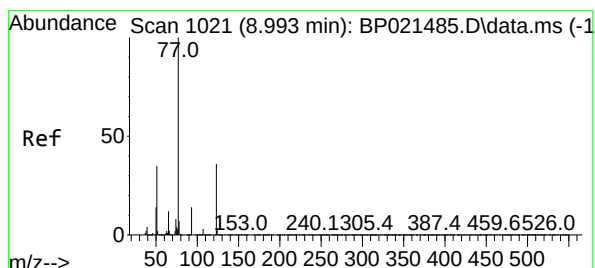
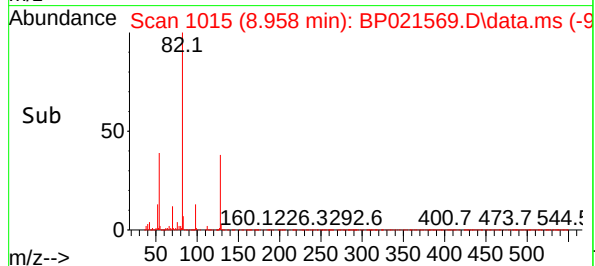
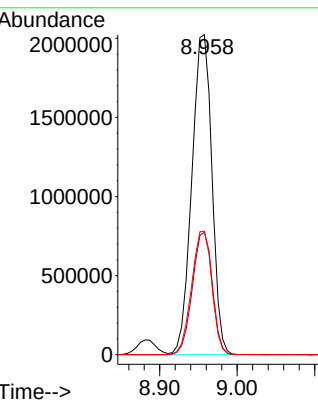
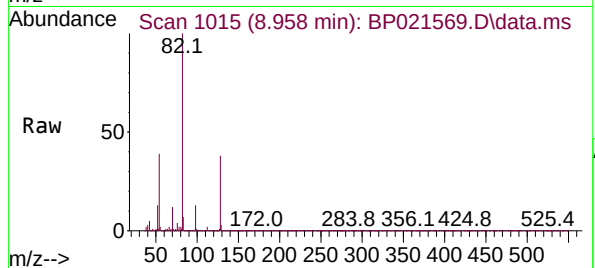
54 38.6 30.3 45.5

Manual Integrations

APPROVED

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

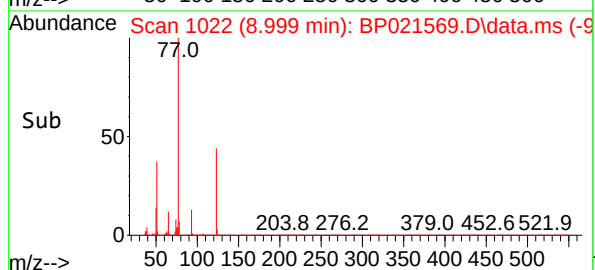
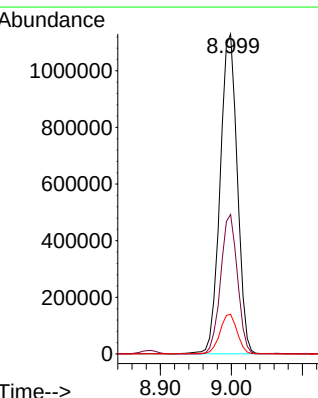
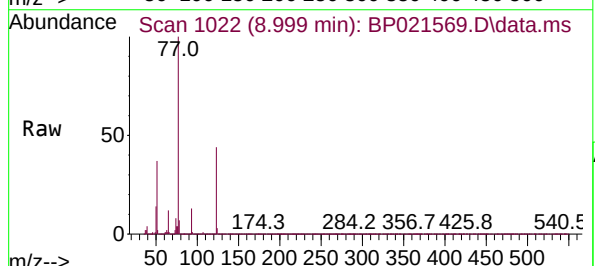
Tgt Ion: 77 Resp: 1897954

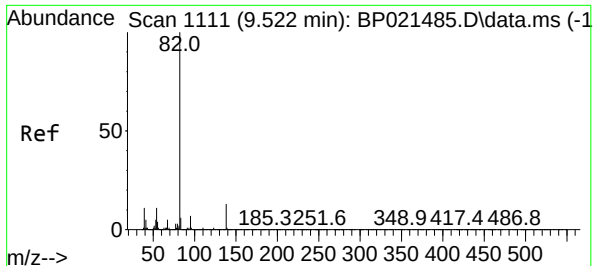
Ion Ratio Lower Upper

77 100

123 43.6 29.5 44.3

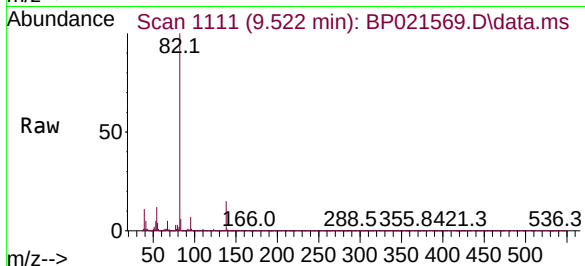
65 12.4 9.9 14.9





#25
Isophorone
Concen: 40.161 ng
RT: 9.522 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

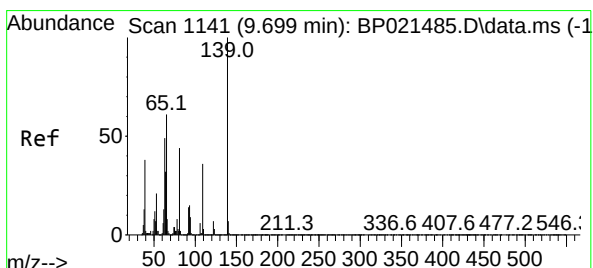
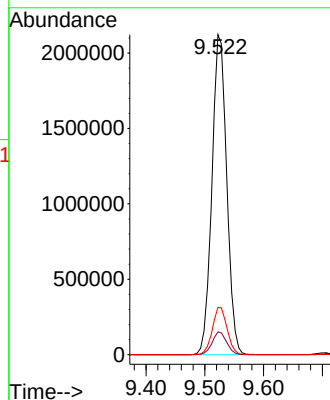
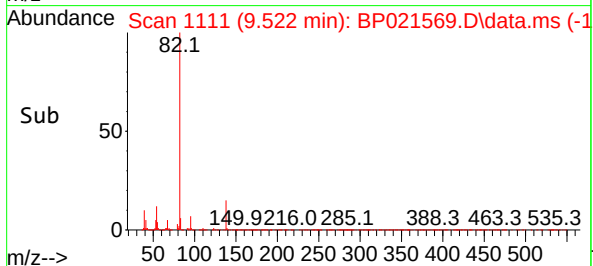
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



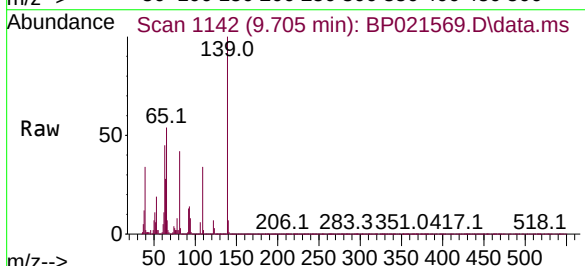
Tgt Ion: 82 Resp: 370985
Ion Ratio Lower Upper
82 100
95 7.1 5.4 8.2
138 14.8 10.6 16.0

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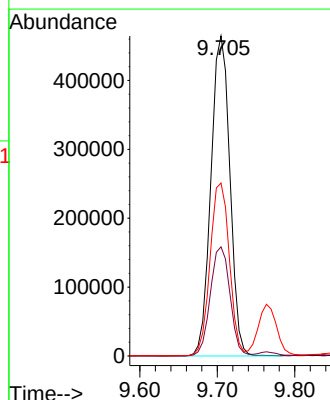
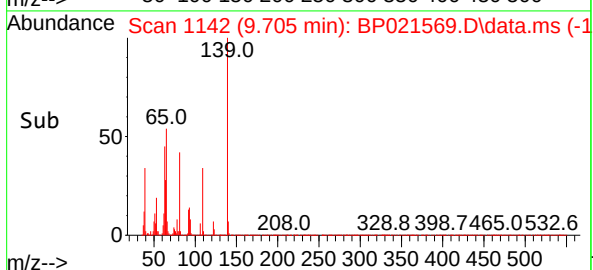
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

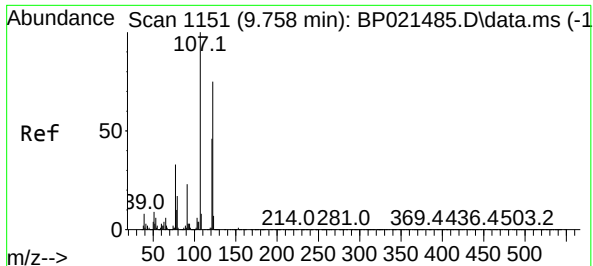


#26
2-Nitrophenol
Concen: 63.370 ng
RT: 9.705 min Scan# 1142
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13



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# 1151

Delta R.T. 0.006 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

Tgt Ion:122 Resp: 1213284

Ion Ratio Lower Upper

122 100

107 127.8 106.2 159.4

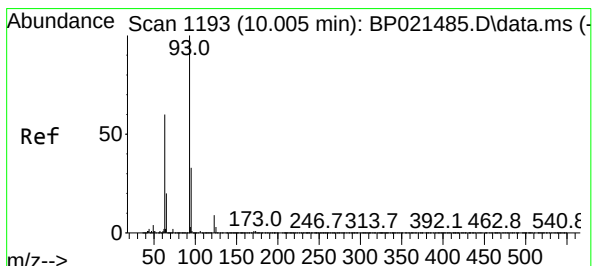
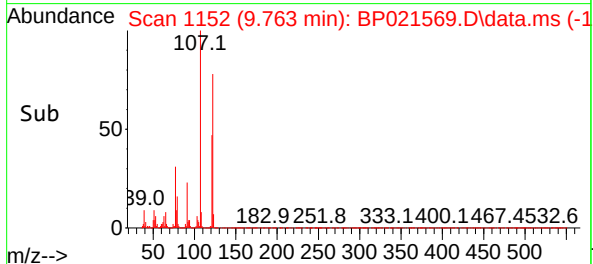
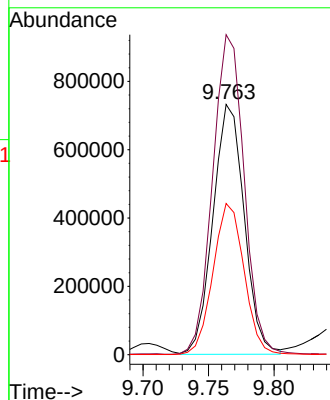
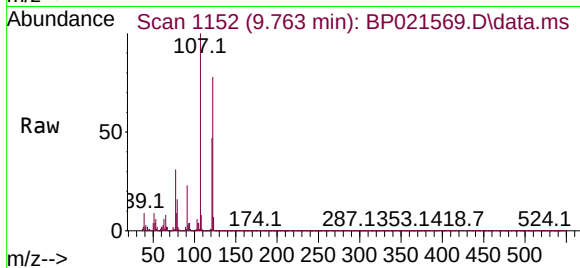
121 60.4 48.8 73.2

Manual Integrations

APPROVED

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

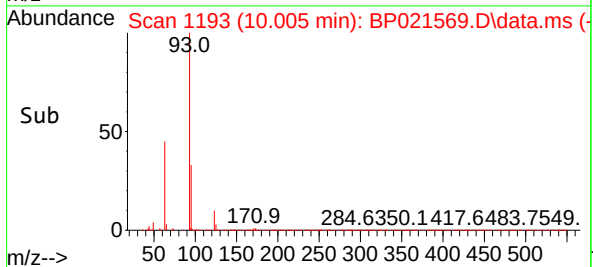
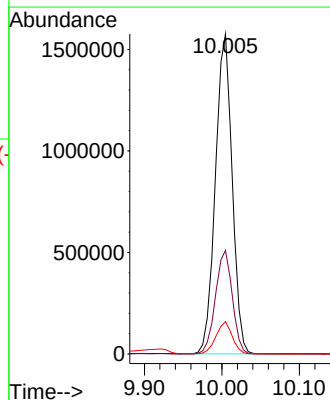
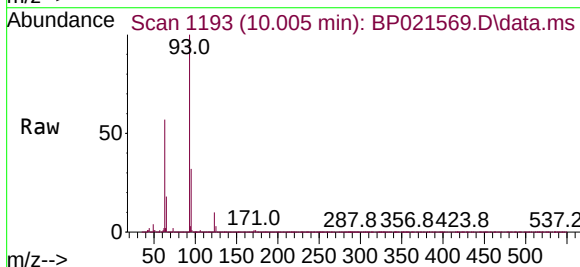
Tgt Ion: 93 Resp: 2367345

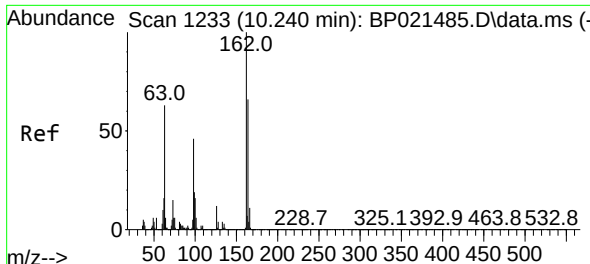
Ion Ratio Lower Upper

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# 1233

Delta R.T. 0.000 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

Tgt Ion:162 Resp: 148045

Ion Ratio Lower Upper

162 100

164 63.5 45.9 85.9

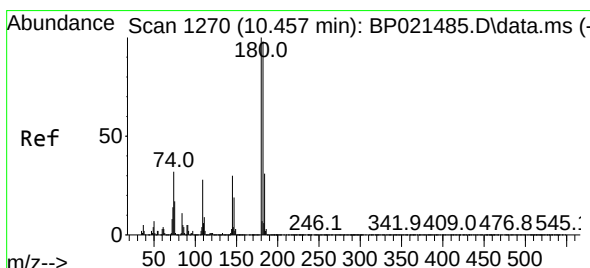
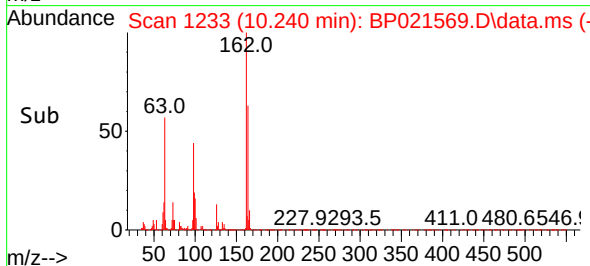
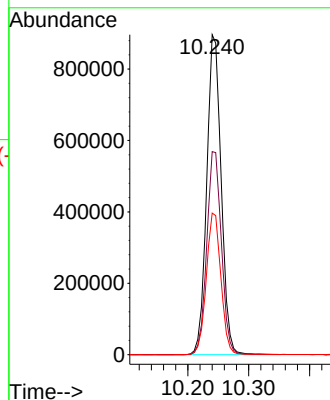
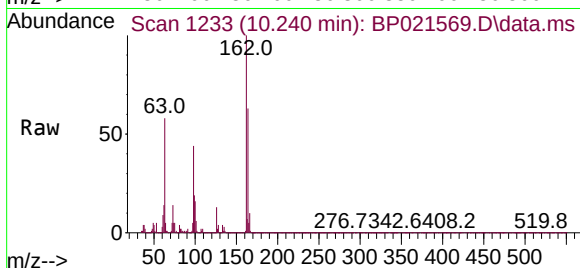
98 44.2 26.3 66.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#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

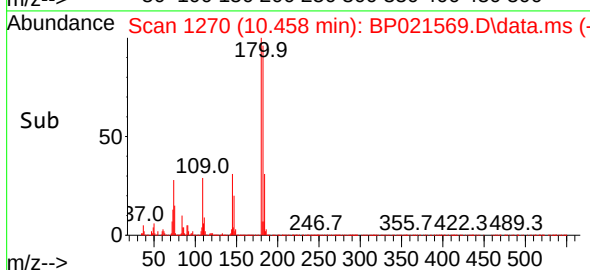
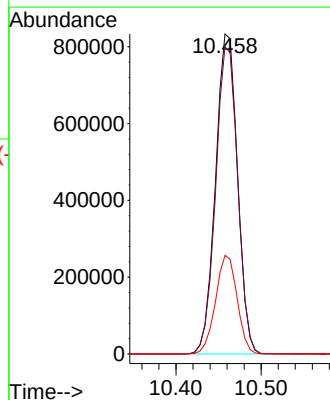
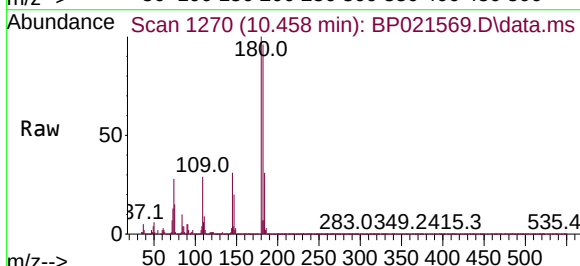
Tgt Ion:180 Resp: 1492819

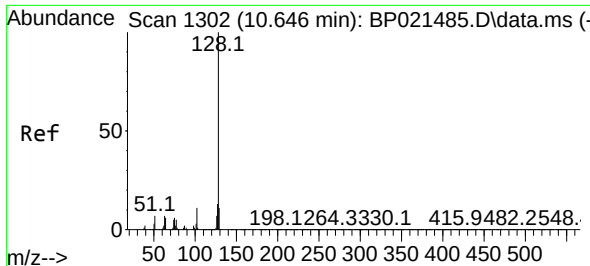
Ion Ratio Lower Upper

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# 1119
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

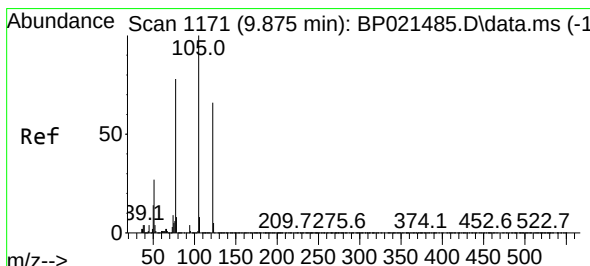
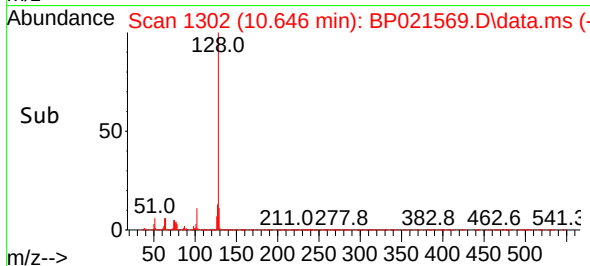
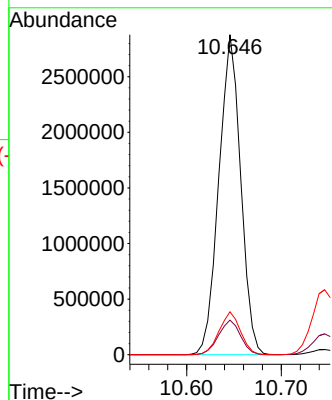
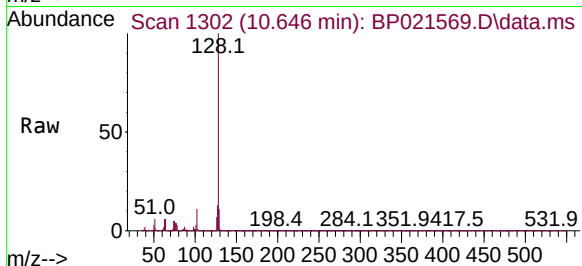
PB162822BSD

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

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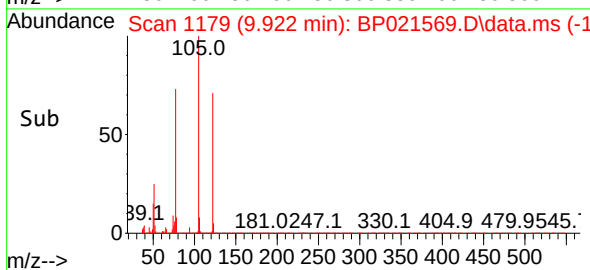
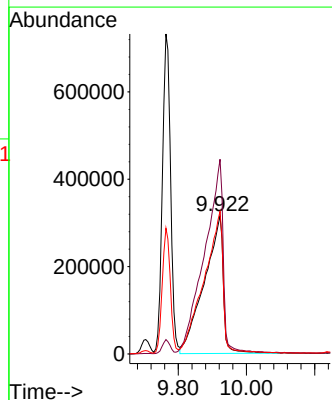
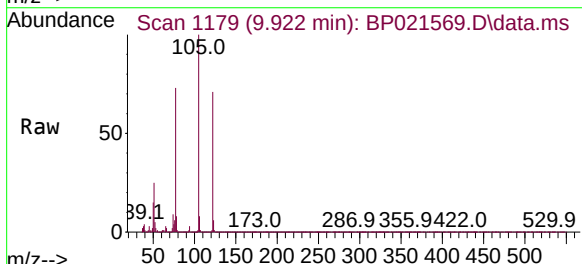
Reviewed By :Yogesh Patel 08/21/2024

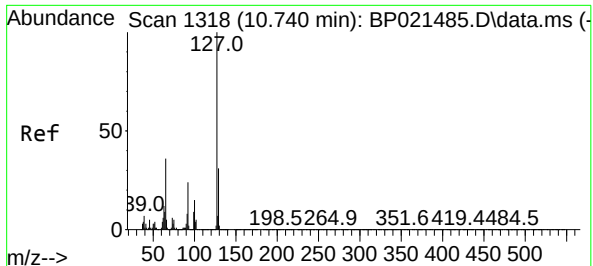
Supervised By :mohammad ahmed 08/22/2024



#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





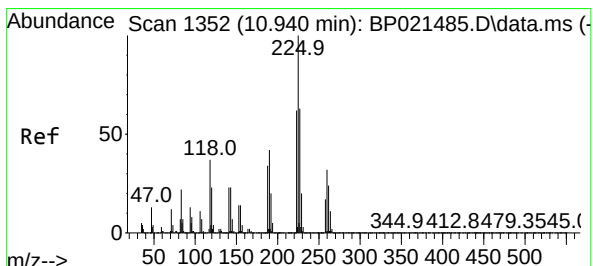
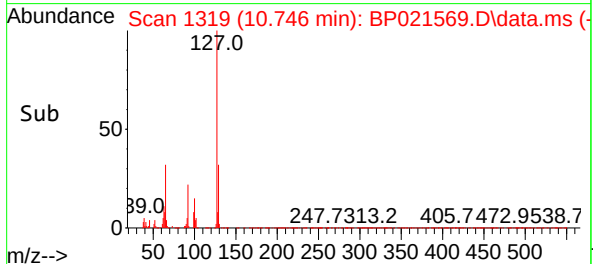
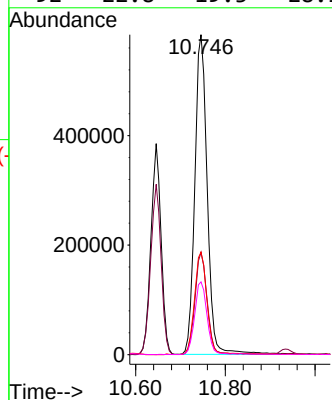
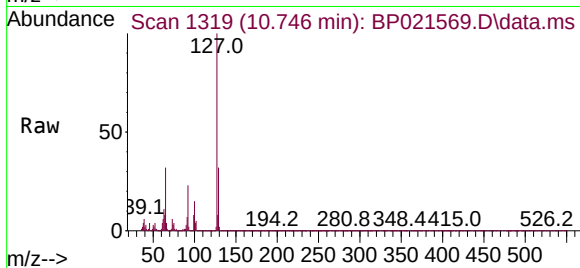
#33
4-Chloroaniline
Concen: 28.262 ng
RT: 10.746 min Scan# 111927
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

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

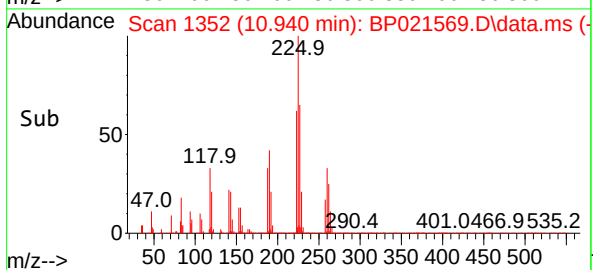
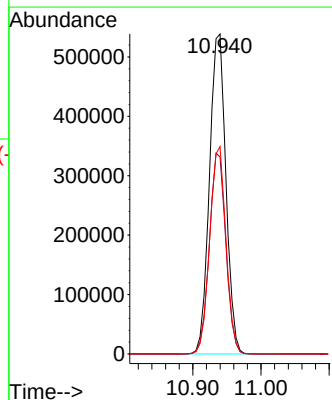
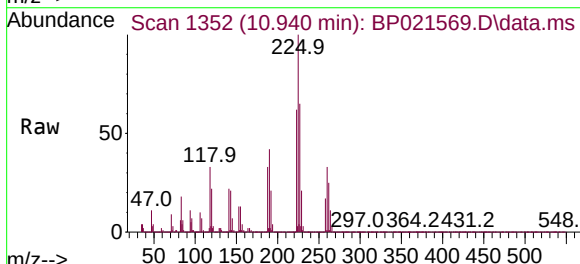
Manual Integrations
APPROVED

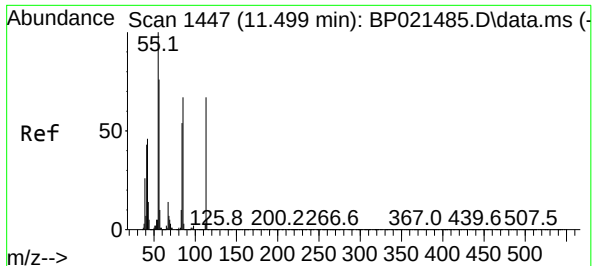
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

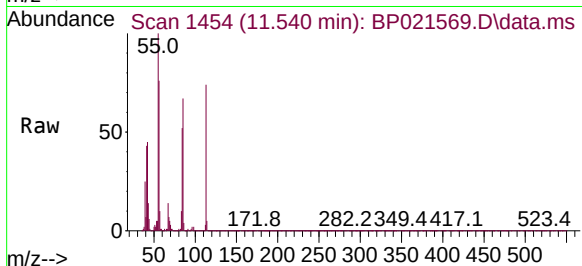
Tgt Ion:225 Resp: 903824
Ion Ratio Lower Upper
225 100
223 61.6 49.6 74.4
227 64.8 50.1 75.1





#35
Caprolactam
Concen: 50.518 ng m
RT: 11.540 min Scan# 1447
Delta R.T. 0.041 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

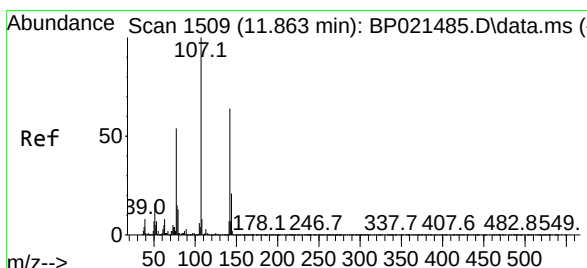
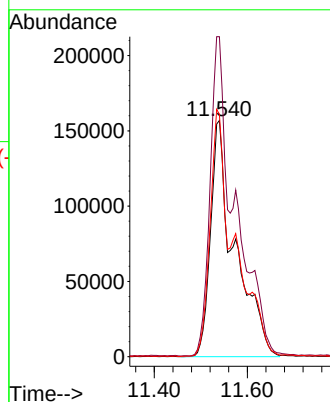
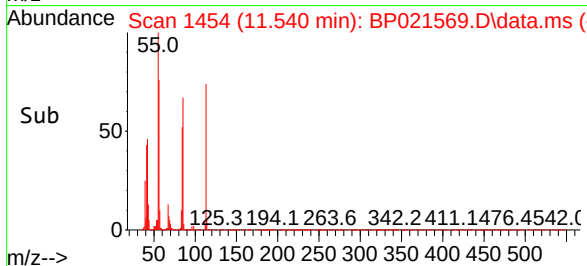
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



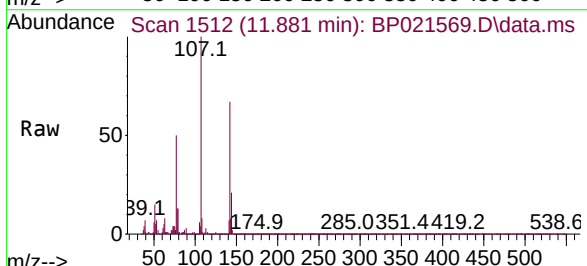
Tgt Ion:113 Resp: 566372
Ion Ratio Lower Upper
113 100
55 135.5 130.6 170.6
56 102.6 94.6 134.6

Manual Integrations
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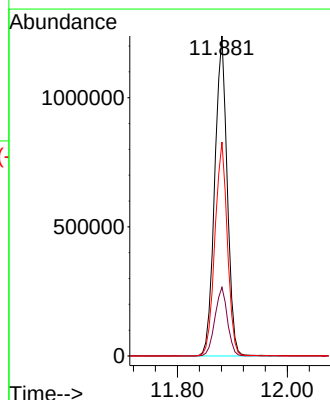
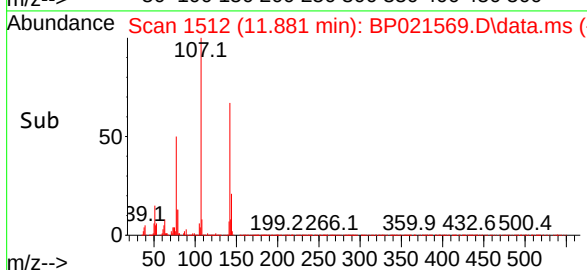
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

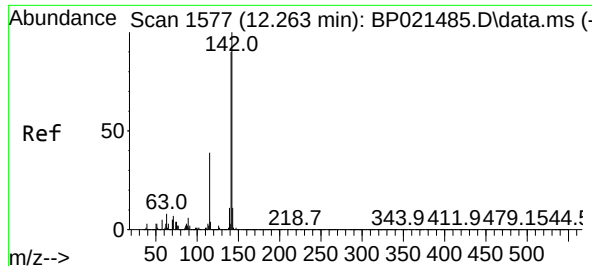


#36
4-Chloro-3-methylphenol
Concen: 52.252 ng
RT: 11.881 min Scan# 1512
Delta R.T. 0.018 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13



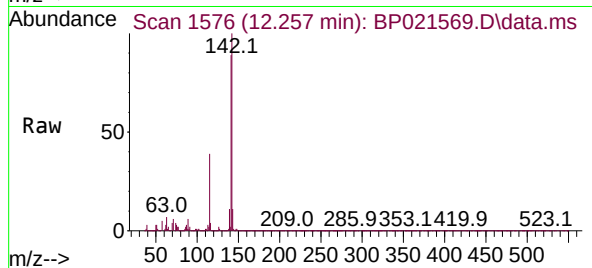
Tgt Ion:107 Resp: 1952285
Ion Ratio Lower Upper
107 100
144 21.5 16.6 24.8
142 66.8 51.0 76.4





#37
2-Methylnaphthalene
Concen: 44.238 ng
RT: 12.257 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

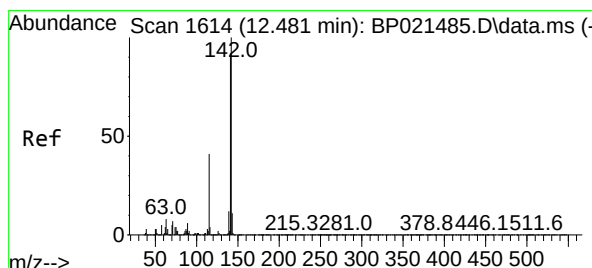
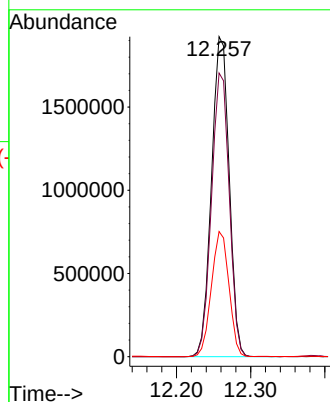
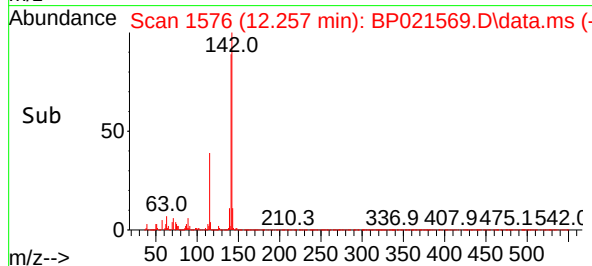
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



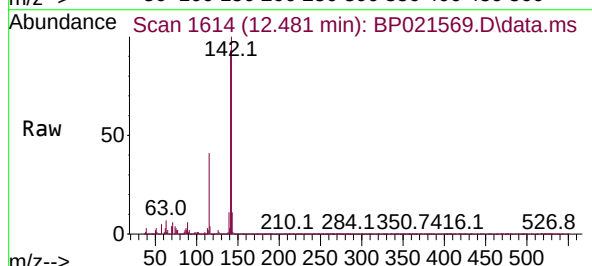
Tgt Ion:142 Resp: 3183184
Ion Ratio Lower Upper
142 100
141 88.7 71.7 107.5
115 39.1 31.4 47.2

Manual Integrations
APPROVED

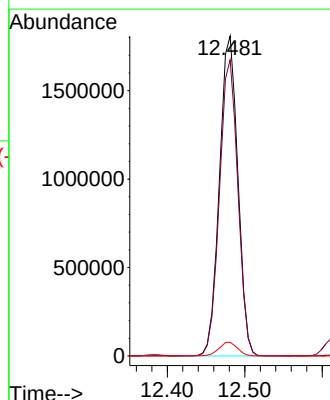
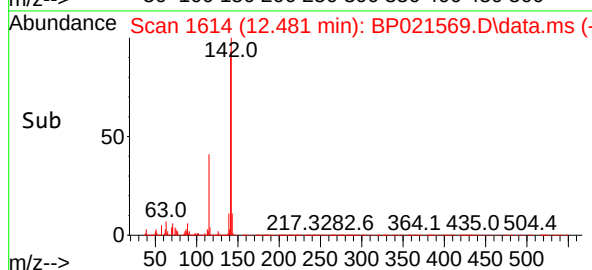
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

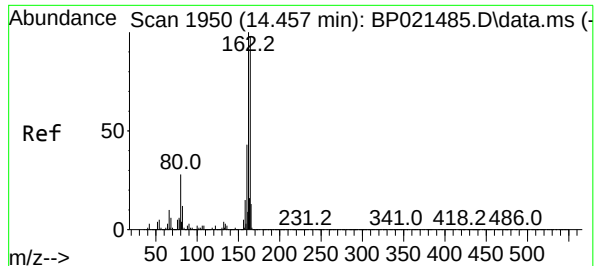


#38
1-Methylnaphthalene
Concen: 42.027 ng
RT: 12.481 min Scan# 1614
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13



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# 1950

Delta R.T. 0.000 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

Tgt Ion:164 Resp: 1318739

Ion Ratio Lower Upper

164 100

162 100.3 81.5 122.3

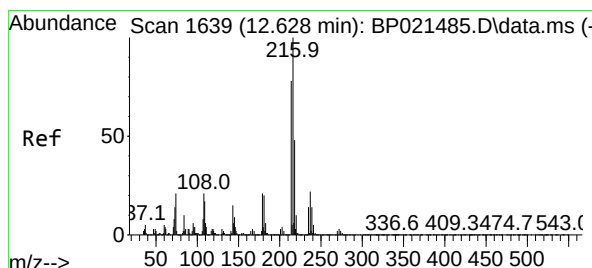
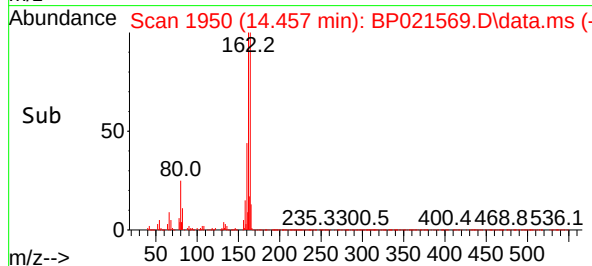
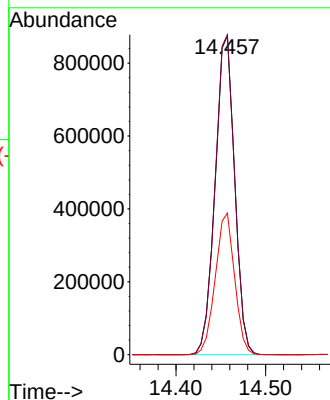
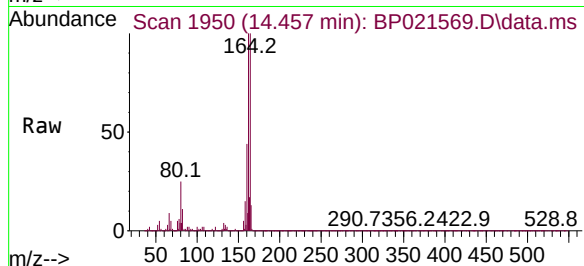
160 44.4 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/21/2024

Supervised By :mohammad ahmed 08/22/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.541 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

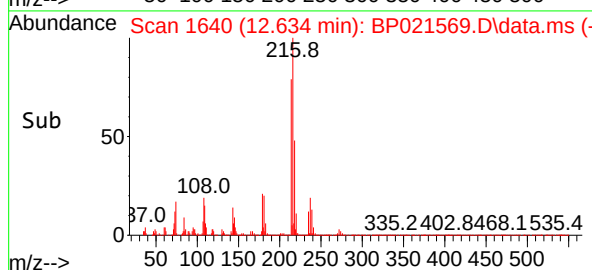
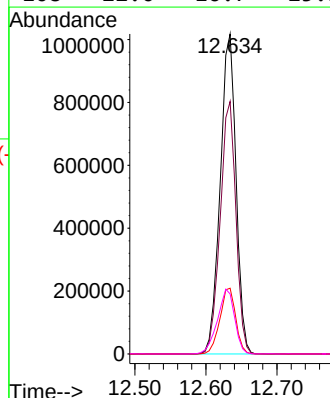
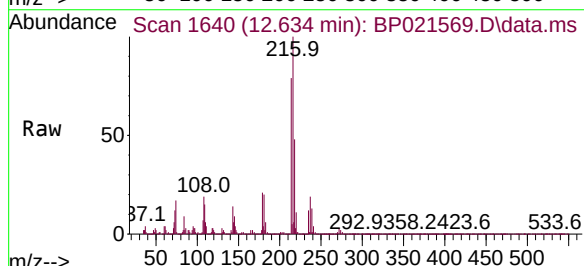
Ion Ratio Lower Upper

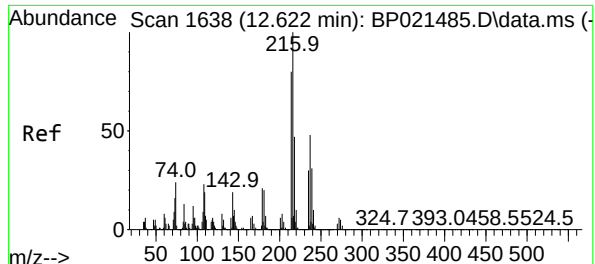
216 100

214 78.6 62.5 93.7

179 20.6 16.4 24.6

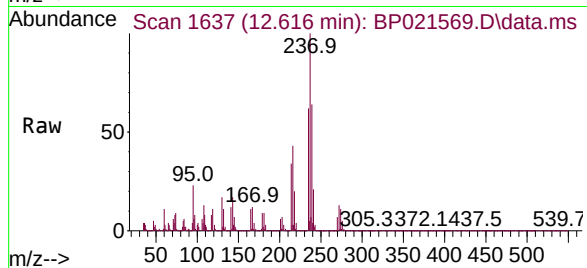
108 22.0 16.7 25.1





#41
Hexachlorocyclopentadiene
Concen: 113.798 ng
RT: 12.616 min Scan# 1637
Delta R.T. -0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

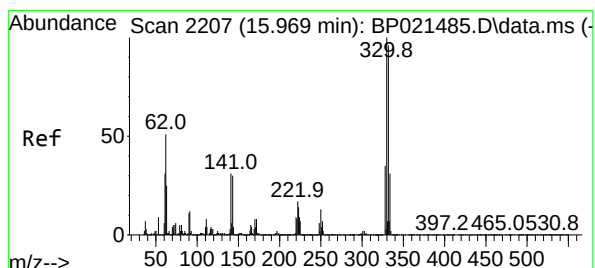
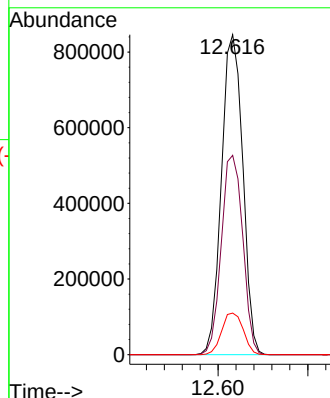
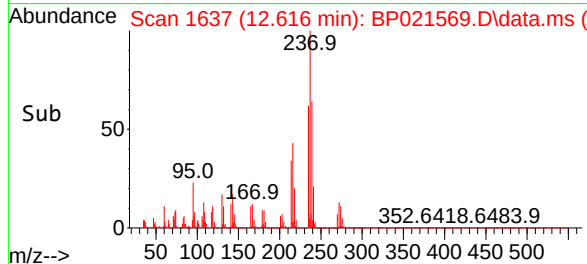
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



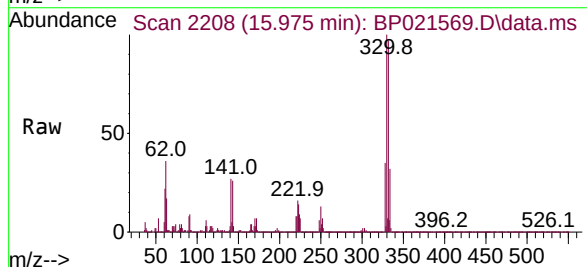
Tgt Ion: 237 Resp: 139359
Ion Ratio Lower Upper
237 100
235 62.3 43.9 83.9
272 13.0 0.0 33.3

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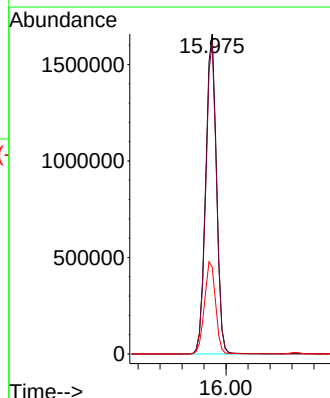
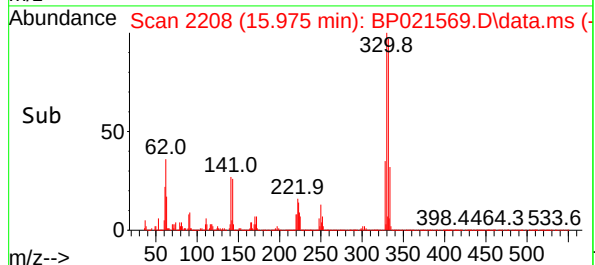
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

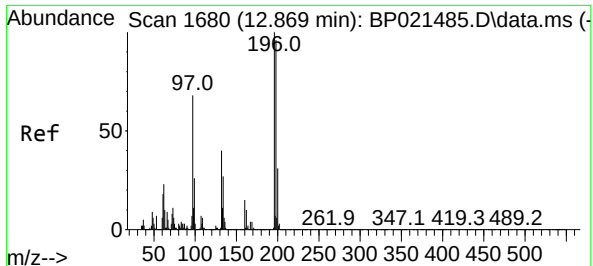


#42
2,4,6-Tribromophenol
Concen: 153.843 ng
RT: 15.975 min Scan# 2208
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13



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# 1680
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

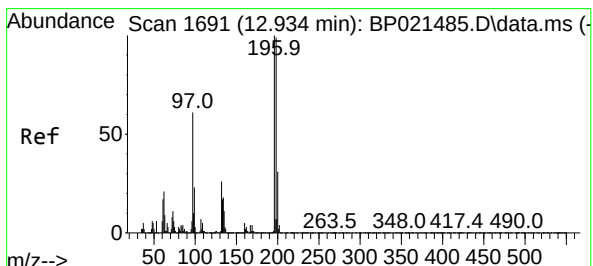
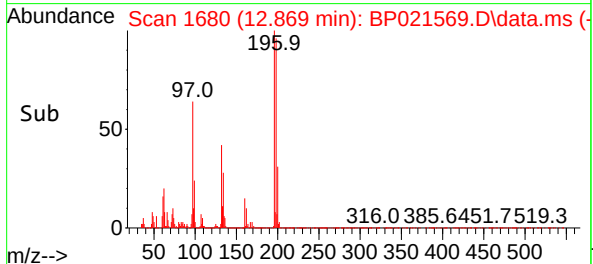
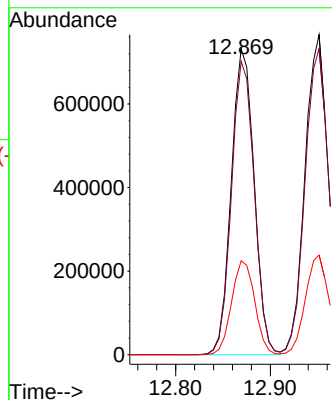
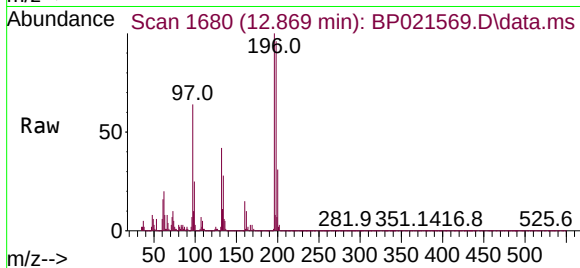
ClientSampleId :

PB162822BSD

Tgt Ion:196 Resp: 1231858
Ion Ratio Lower Upper
196 100
198 95.9 76.6 114.8
200 30.7 24.5 36.7

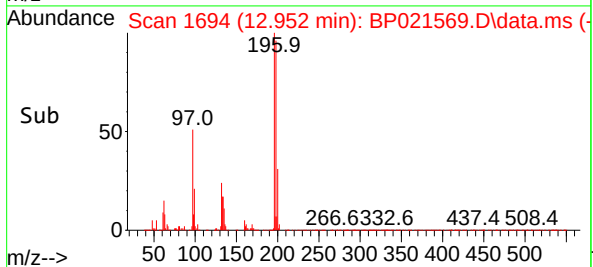
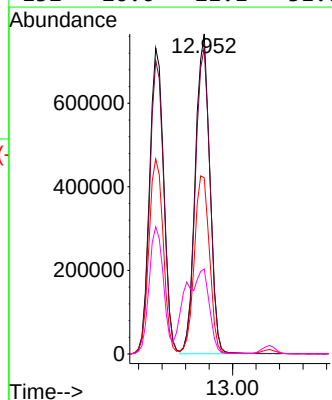
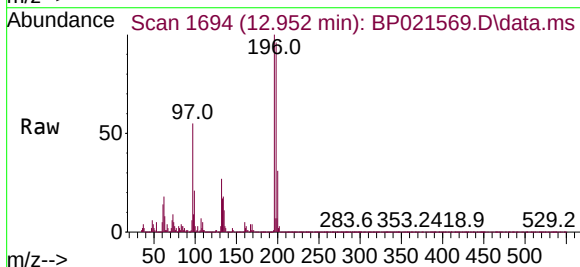
Manual Integrations
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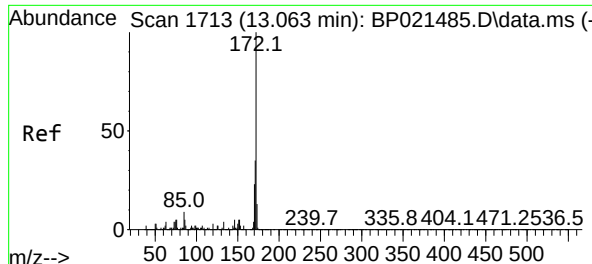
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#44
2,4,5-Trichlorophenol
Concen: 55.163 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# 1713

Delta R.T. 0.000 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

Tgt Ion:172 Resp: 693107

Ion Ratio Lower Upper

172 100

171 35.6 28.2 42.4

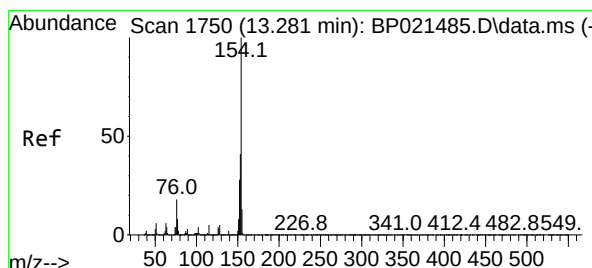
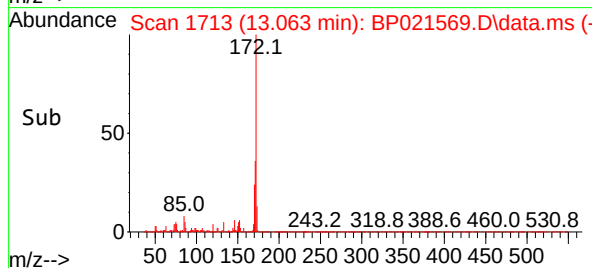
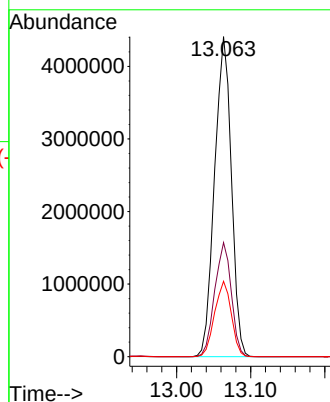
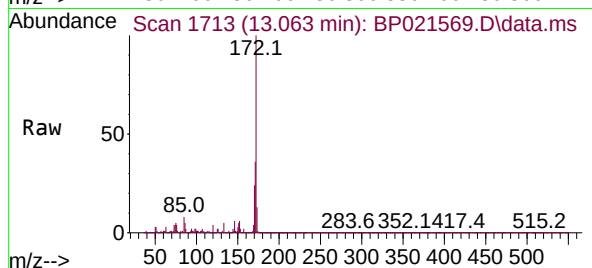
170 23.5 18.4 27.6

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: 40.481 ng

RT: 13.275 min Scan# 1749

Delta R.T. -0.006 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

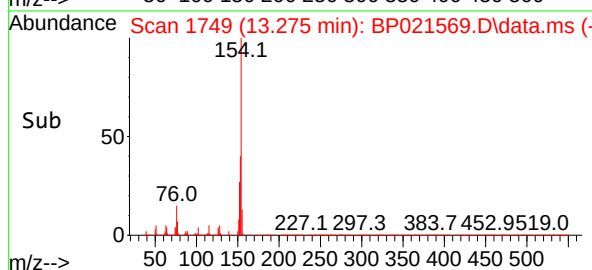
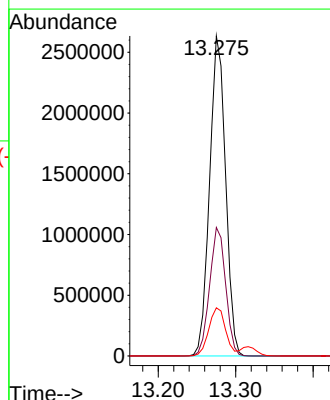
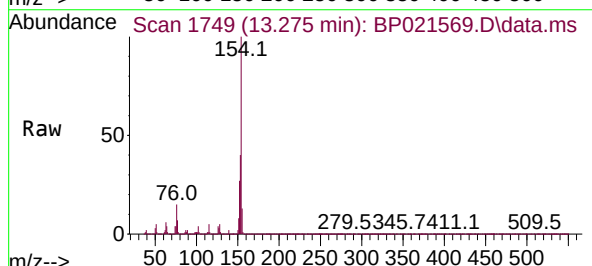
Tgt Ion:154 Resp: 3776973

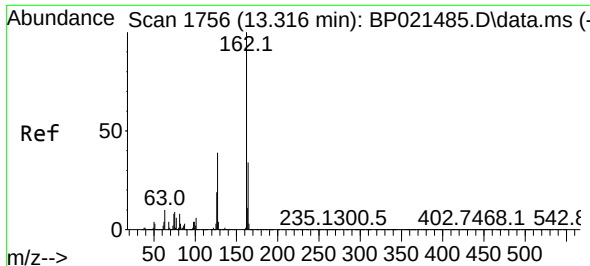
Ion Ratio Lower Upper

154 100

153 40.1 20.7 60.7

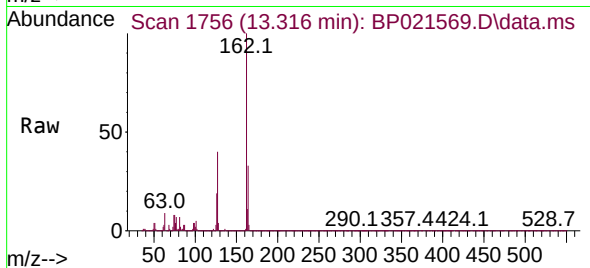
76 15.0 0.0 37.7





#47
2-Chloronaphthalene
Concen: 43.854 ng
RT: 13.316 min Scan# 1756
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

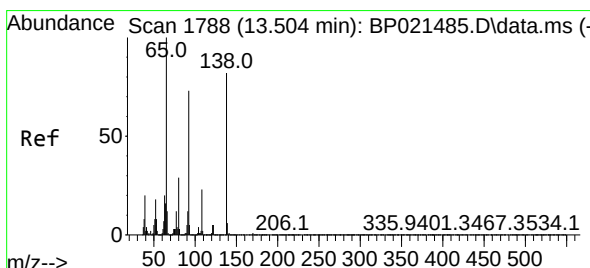
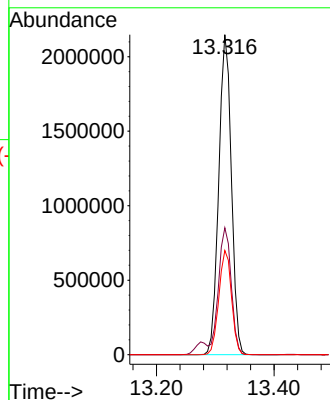
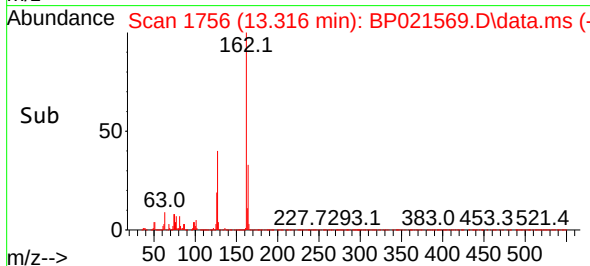
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



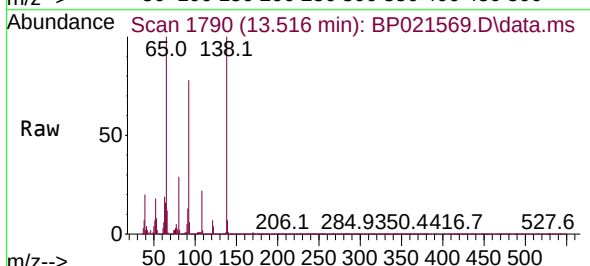
Tgt Ion: 162 Resp: 3185530
Ion Ratio Lower Upper
162 100
127 39.7 31.9 47.9
164 32.6 26.8 40.2

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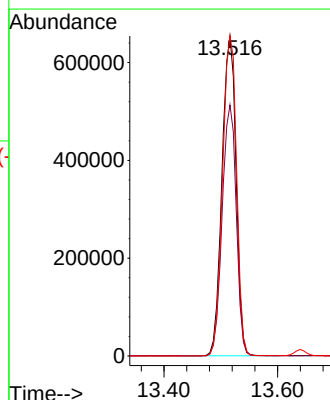
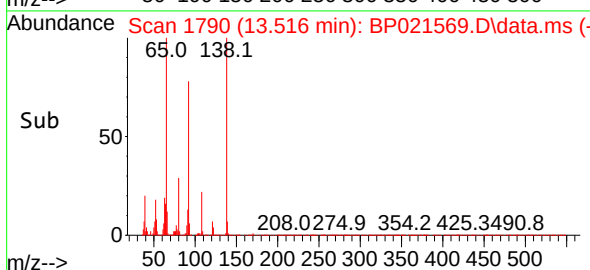
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

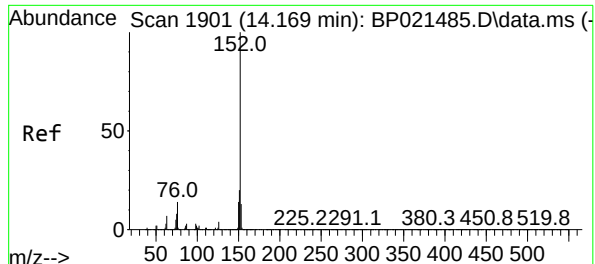


#48
2-Nitroaniline
Concen: 54.530 ng
RT: 13.516 min Scan# 1790
Delta R.T. 0.012 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13



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# 1901

Delta R.T. 0.006 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

Tgt Ion:152 Resp: 527584

Ion Ratio Lower Upper

152 100

151 19.9 15.9 23.9

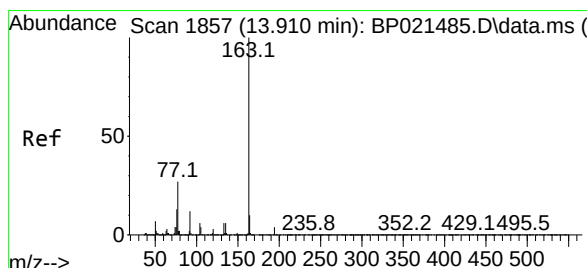
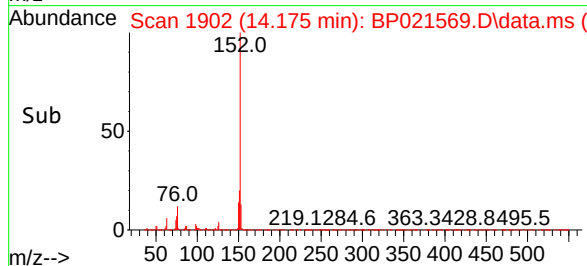
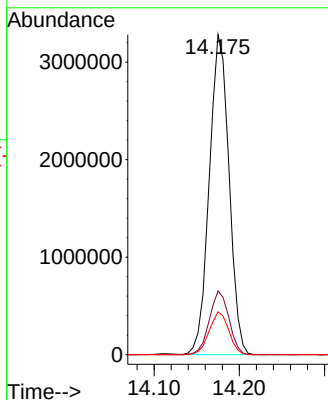
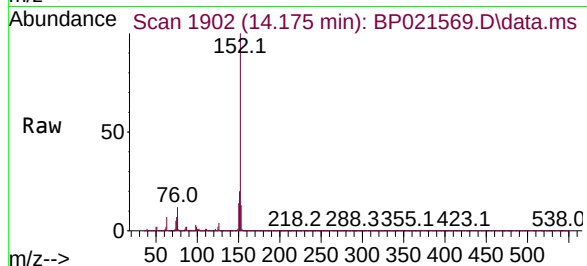
153 13.4 10.6 16.0

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

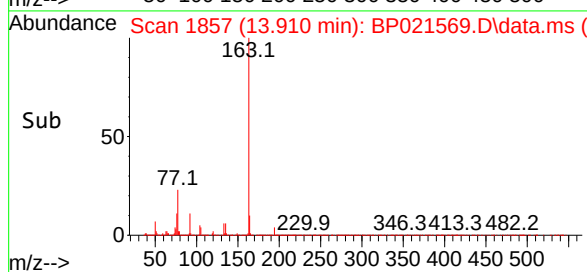
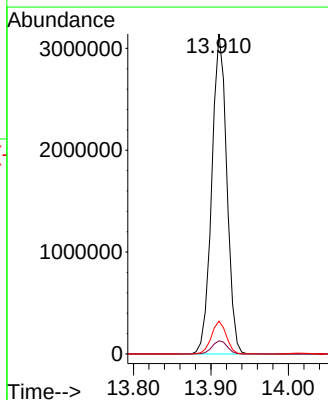
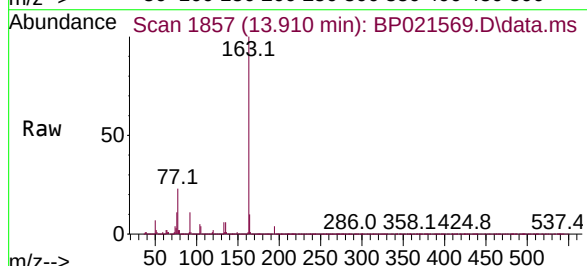
Tgt Ion:163 Resp: 4233153

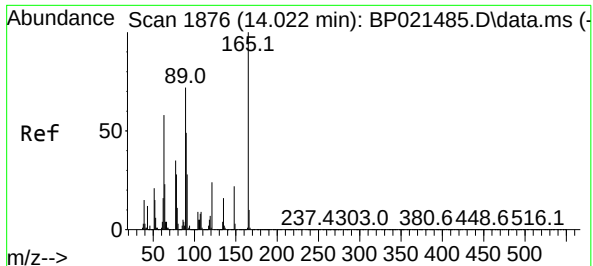
Ion Ratio Lower Upper

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# 1875
Delta R.T. -0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

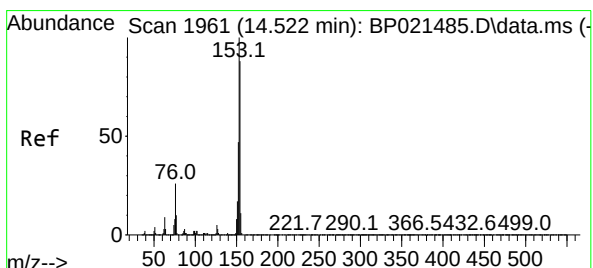
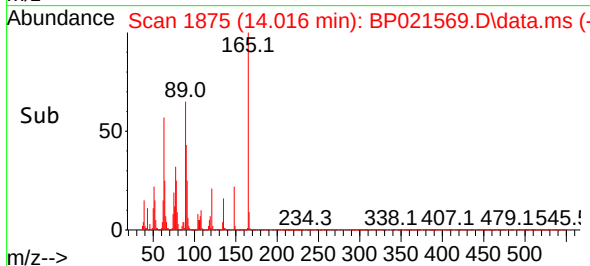
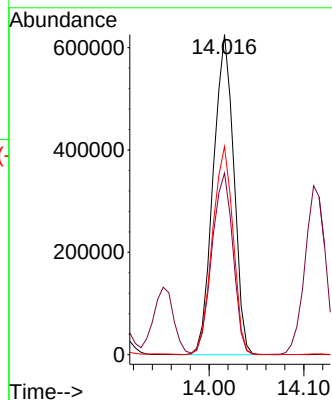
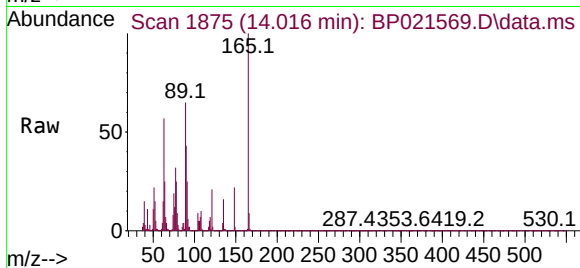
ClientSampleId :

PB162822BSD

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

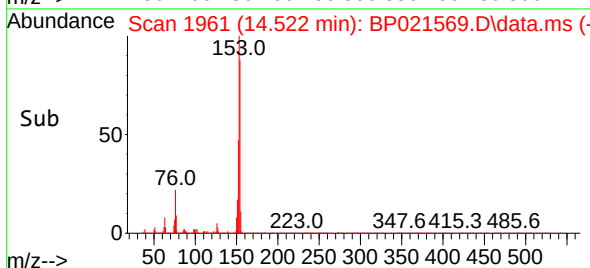
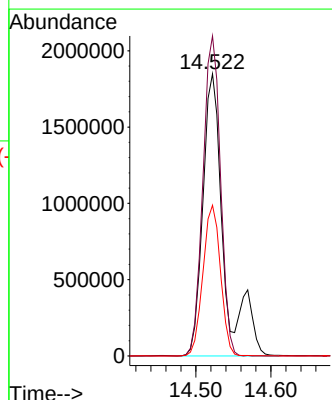
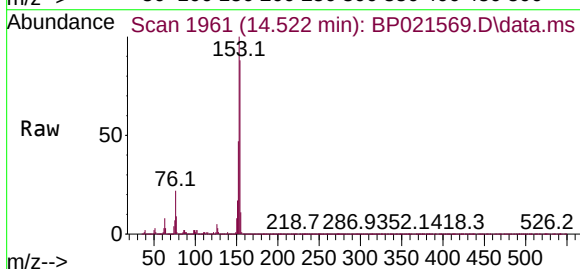
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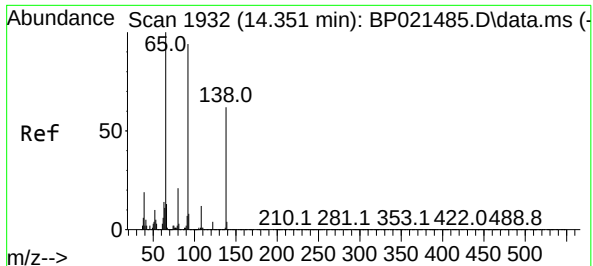
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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





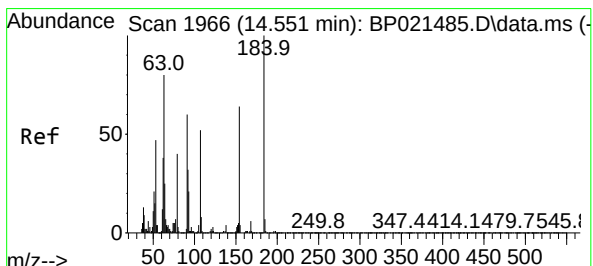
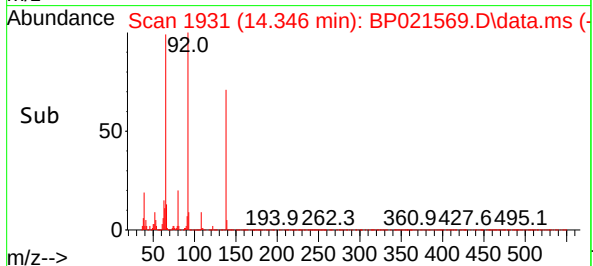
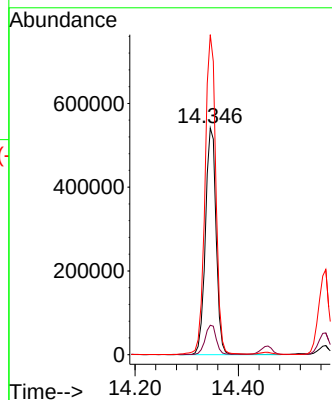
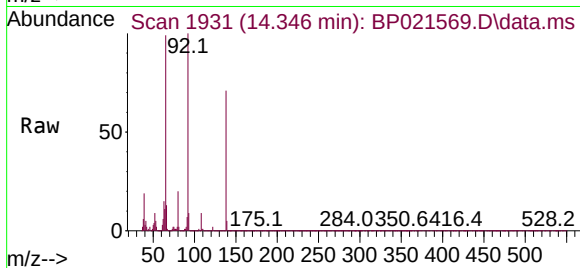
#53
3-Nitroaniline
Concen: 44.582 ng
RT: 14.346 min Scan# 1932
Delta R.T. -0.005 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Instrument :
BNA_P
ClientSampleId :
PB162822BSD

Tgt Ion:138 Resp: 775492
Ion Ratio Lower Upper
138 100
108 13.0 16.2 24.4
92 141.1 122.2 183.4

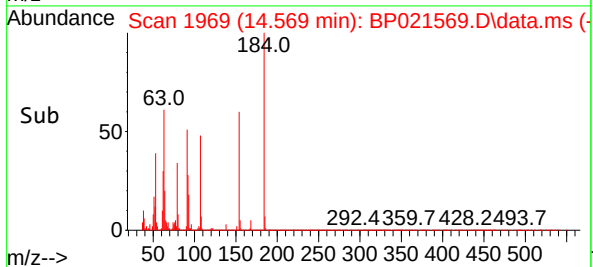
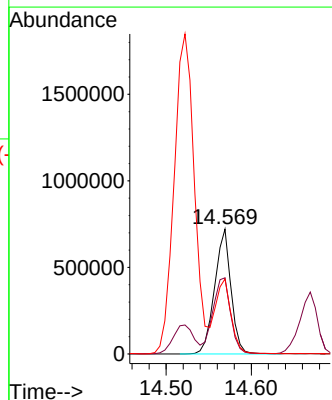
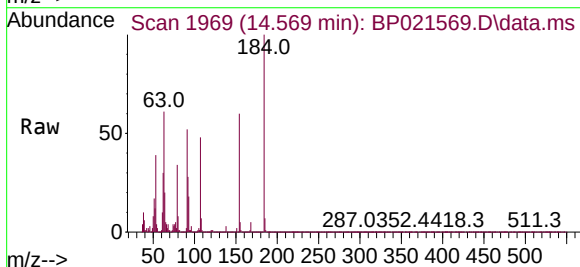
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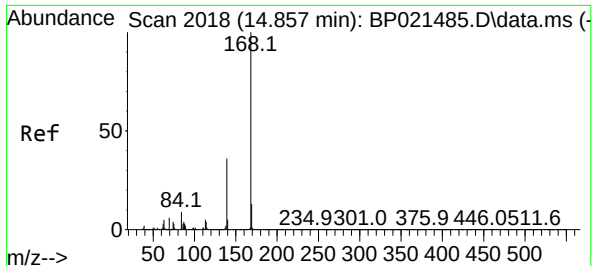
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

Dibenzenofuran

Concen: 46.284 ng

RT: 14.863 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

Tgt Ion:168 Resp: 4988509

Ion Ratio Lower Upper

168 100

139 36.5 28.6 43.0

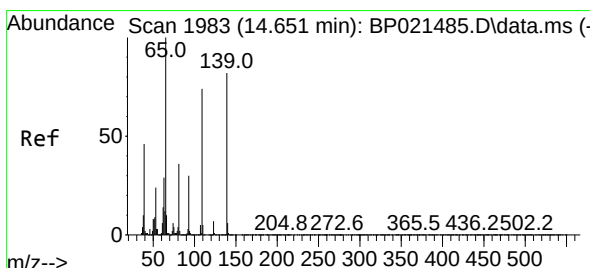
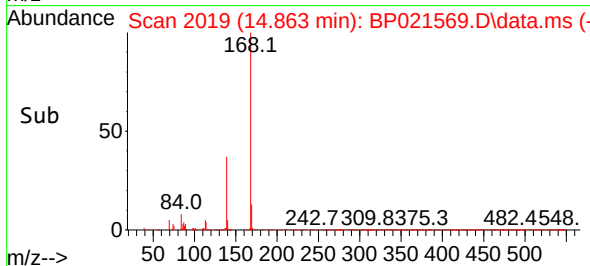
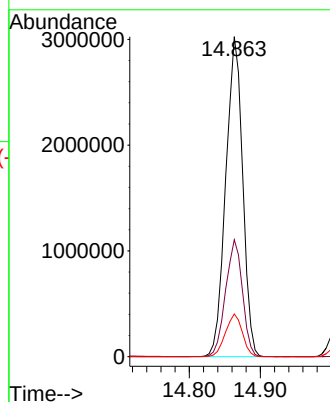
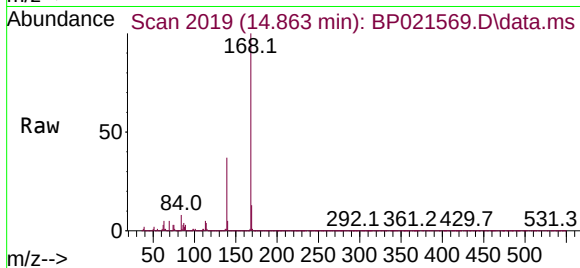
169 13.4 10.6 16.0

Manual Integrations

APPROVED

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

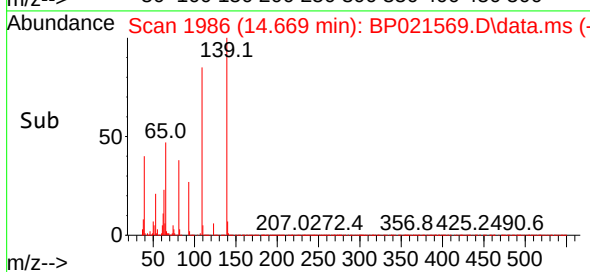
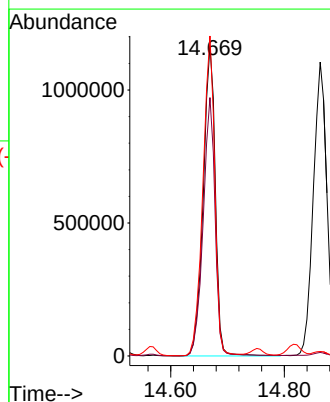
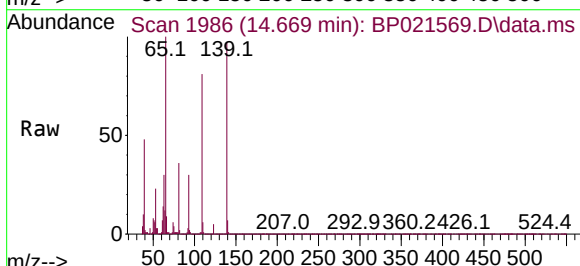
Tgt Ion:139 Resp: 1714088

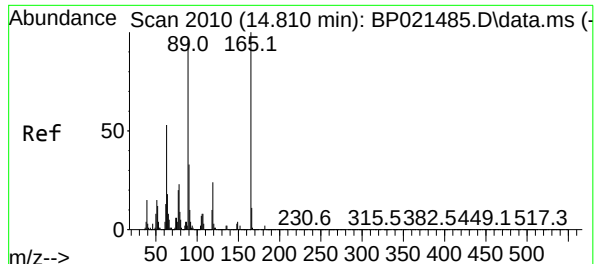
Ion Ratio Lower Upper

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# 2010
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

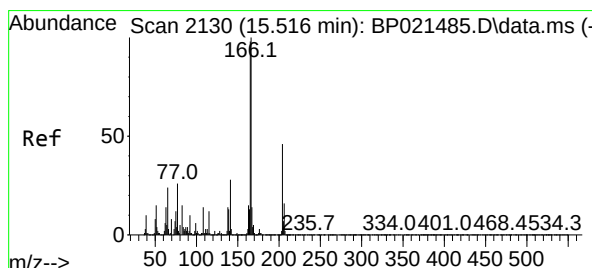
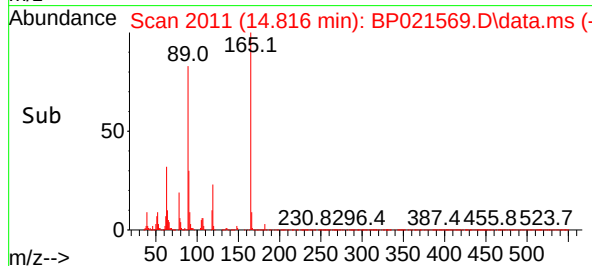
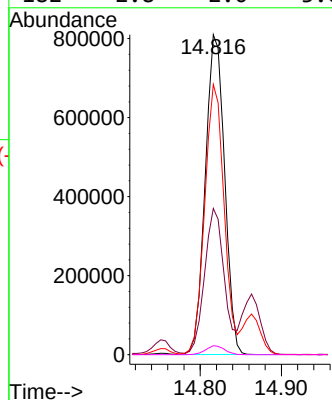
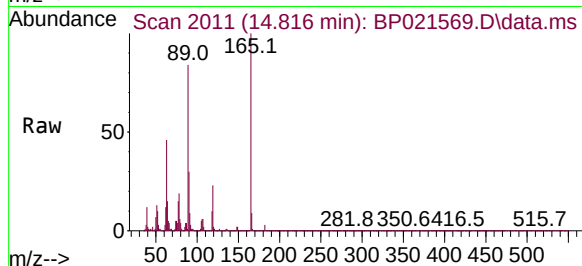
ClientSampleId :

PB162822BSD

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

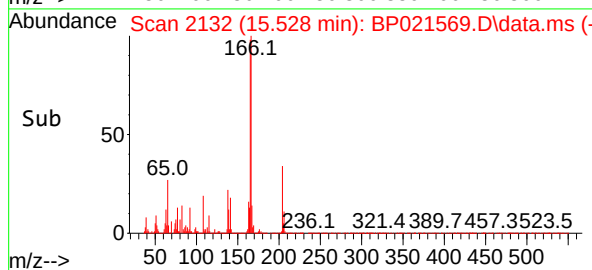
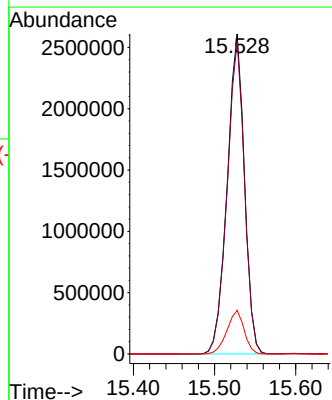
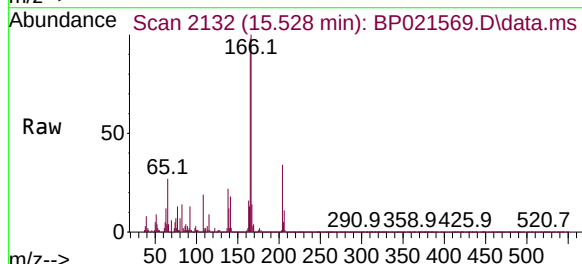
Manual Integrations
APPROVED

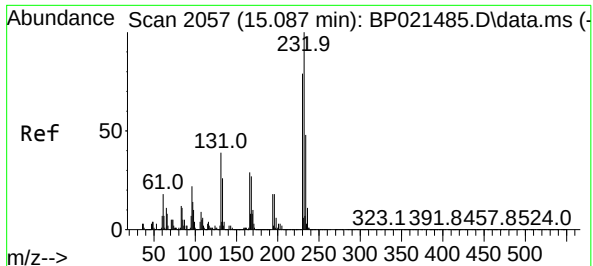
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

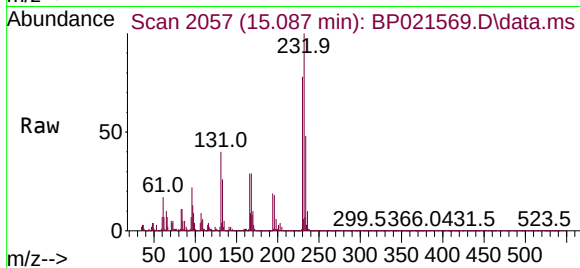
Tgt Ion:166 Resp: 3864218
Ion Ratio Lower Upper
166 100
165 97.7 78.1 117.1
167 13.6 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 58.555 ng
RT: 15.087 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

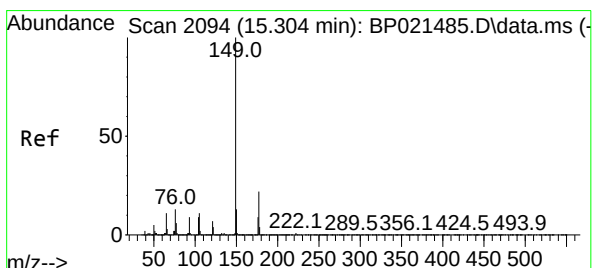
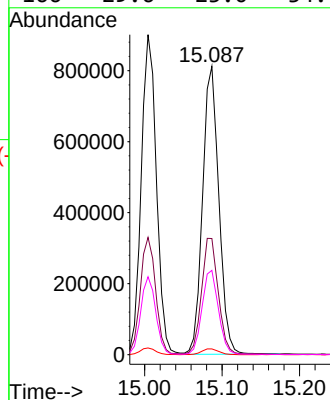
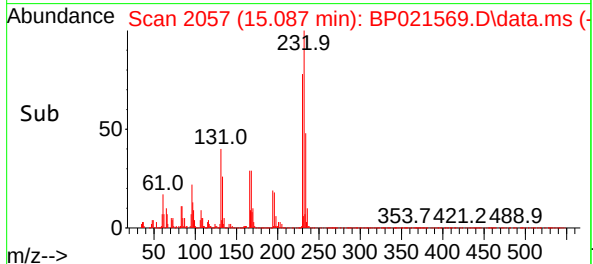
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



Tgt Ion:232 Resp: 1185204
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

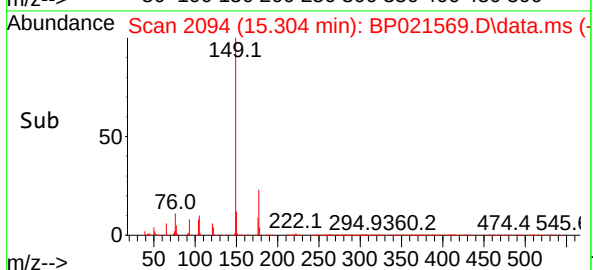
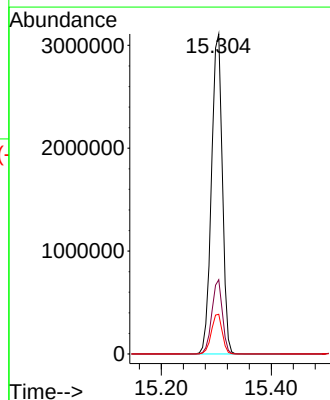
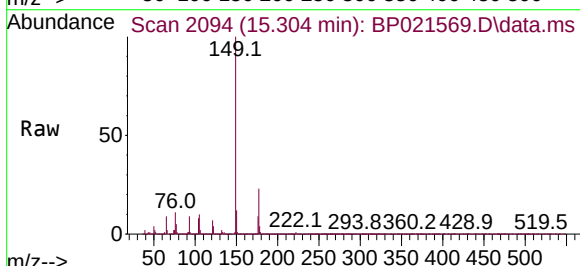
Manual Integrations
APPROVED

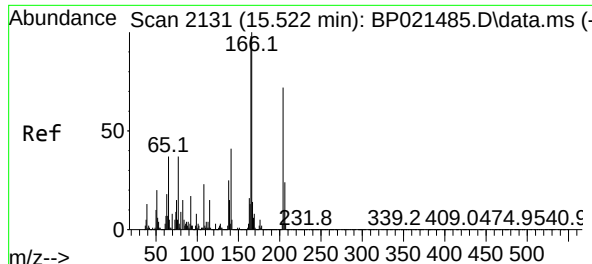
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

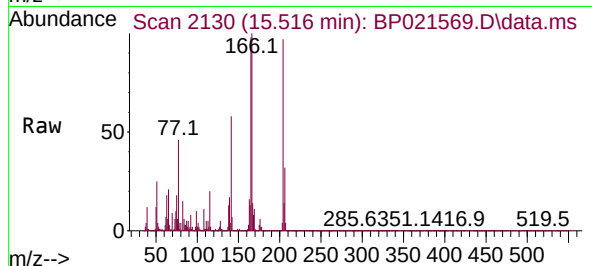
Tgt Ion:149 Resp: 4259031
Ion Ratio Lower Upper
149 100
177 23.2 17.8 26.8
150 12.4 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 42.961 ng
RT: 15.516 min Scan# 2130
Delta R.T. -0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

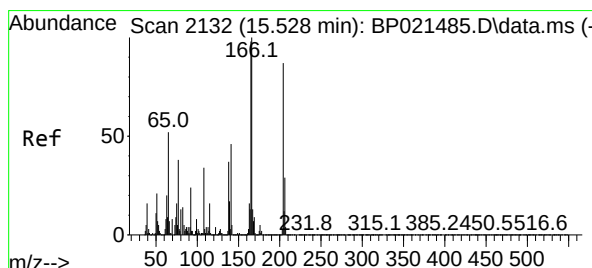
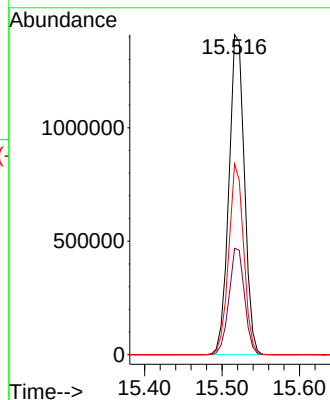
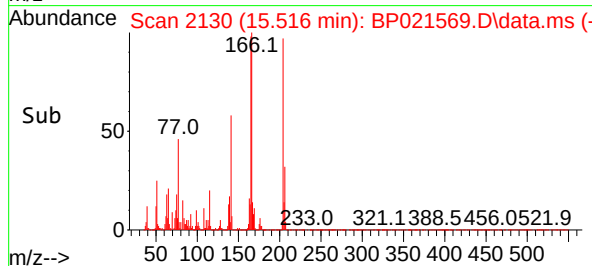
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



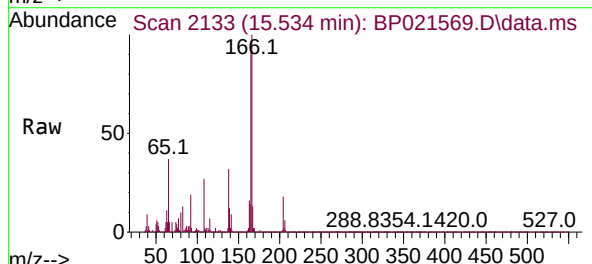
Tgt Ion:204 Resp: 1966279
Ion Ratio Lower Upper
204 100
206 33.3 26.4 39.6
141 59.6 46.1 69.1

Manual Integrations
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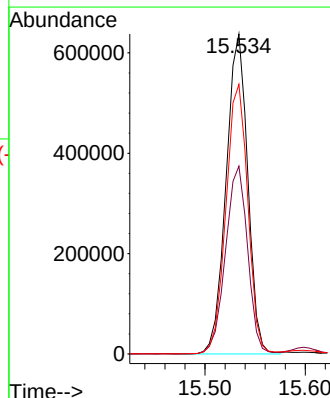
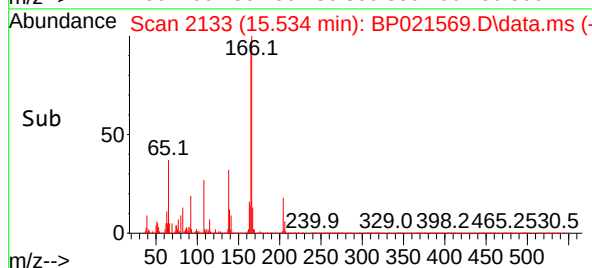
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

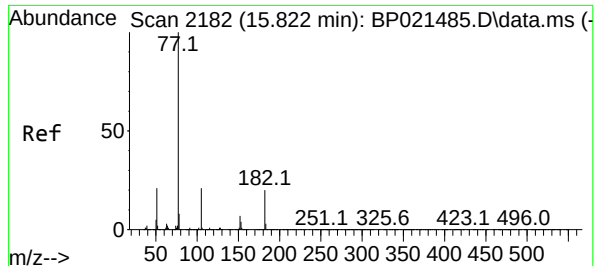


#62
4-Nitroaniline
Concen: 52.570 ng
RT: 15.534 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13



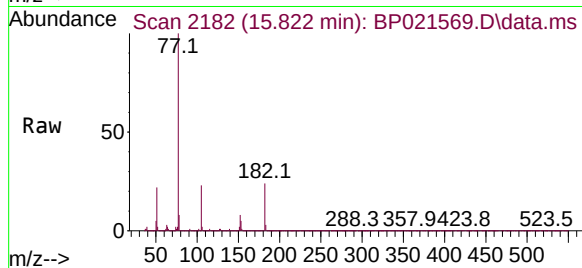
Tgt Ion:138 Resp: 951854
Ion Ratio Lower Upper
138 100
92 58.7 46.4 86.4
108 84.3 73.2 113.2





#63
Azobenzene
Concen: 41.483 ng
RT: 15.822 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

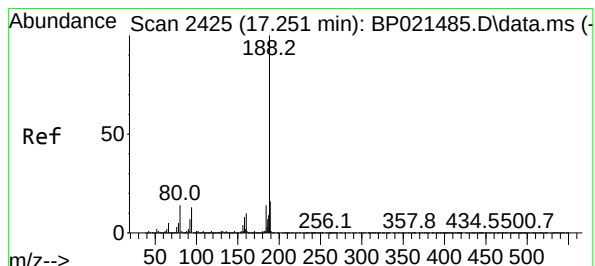
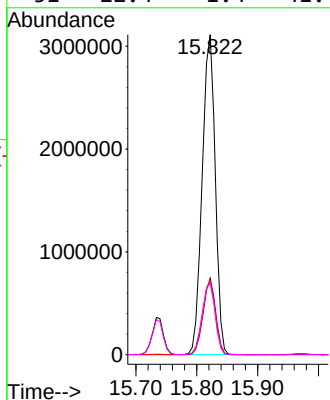
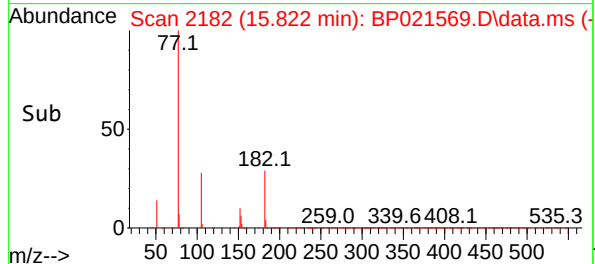
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



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

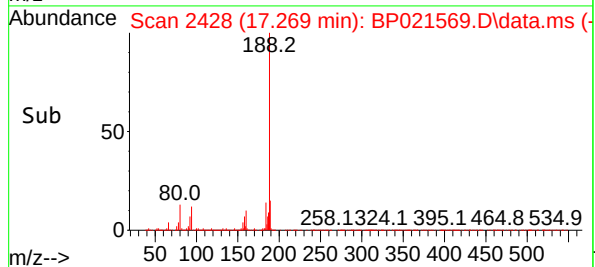
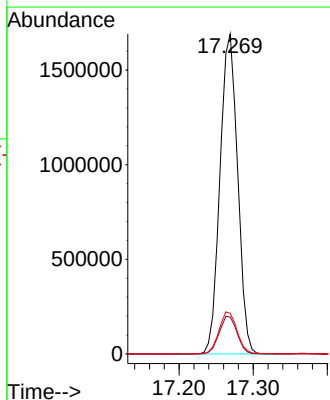
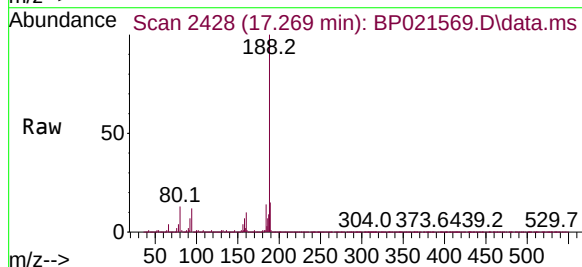
Manual Integrations
APPROVED

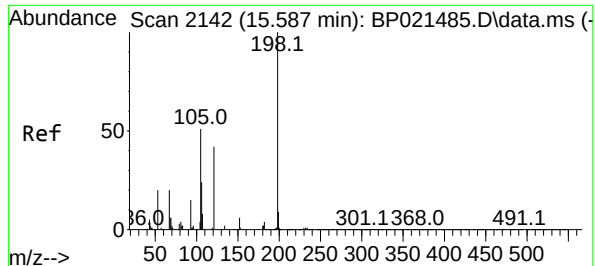
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.269 min Scan# 2428
Delta R.T. 0.018 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

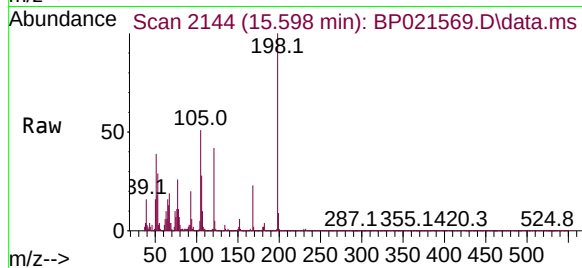
Tgt Ion:188 Resp: 2796133
Ion Ratio Lower Upper
188 100
94 11.6 10.2 15.4
80 12.7 11.6 17.4





#65
4,6-Dinitro-2-methylphenol
Concen: 70.723 ng
RT: 15.598 min Scan# 2144
Delta R.T. 0.011 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

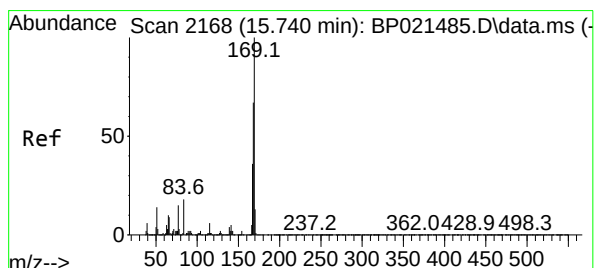
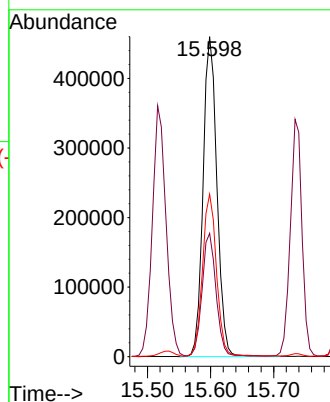
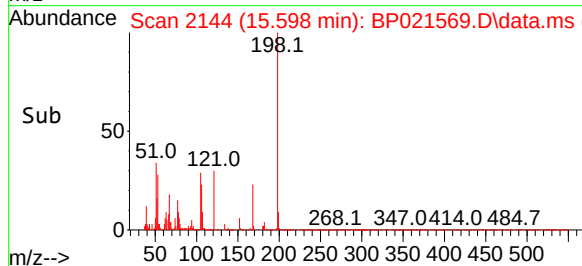
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



Tgt Ion:198 Resp: 702004
Ion Ratio Lower Upper
198 100
51 38.6 21.5 61.5
105 50.8 32.9 72.9

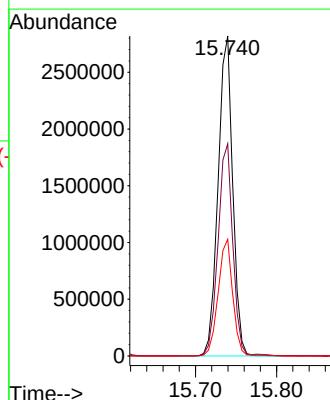
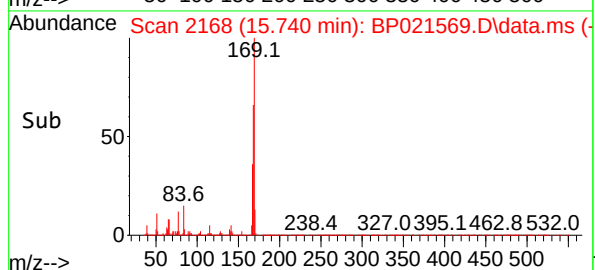
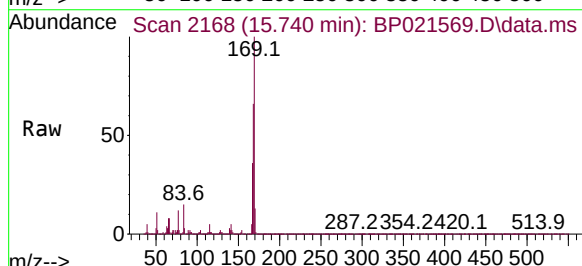
Manual Integrations
APPROVED

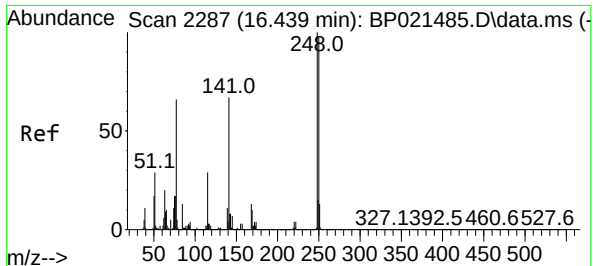
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

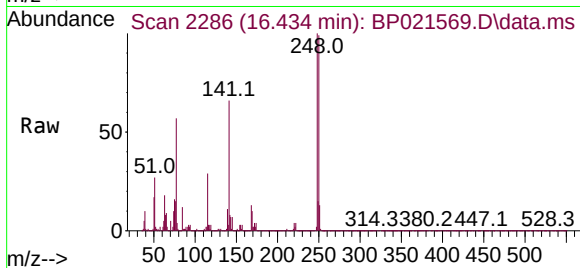
Tgt Ion:169 Resp: 3529833
Ion Ratio Lower Upper
169 100
168 66.3 53.4 80.2
167 36.5 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 45.335 ng
RT: 16.434 min Scan# 21
Delta R.T. -0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

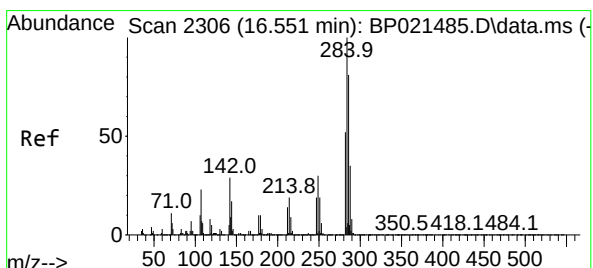
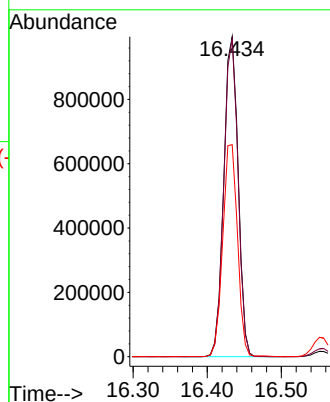
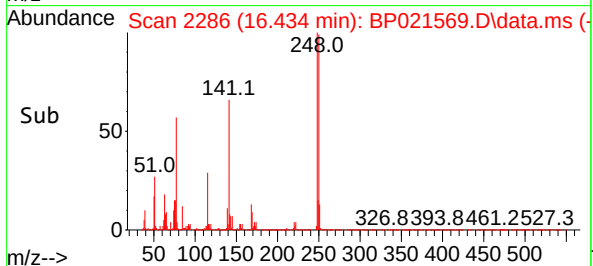
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



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

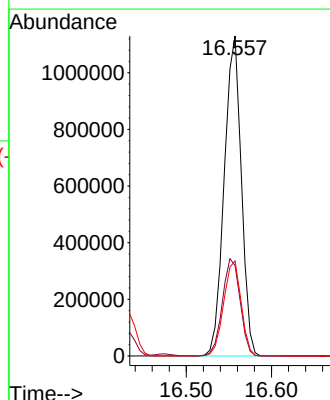
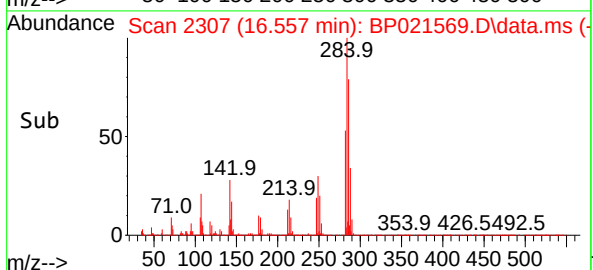
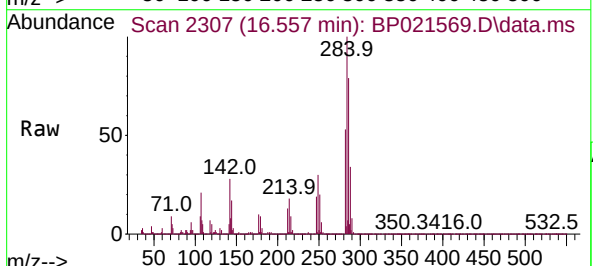
Manual Integrations
APPROVED

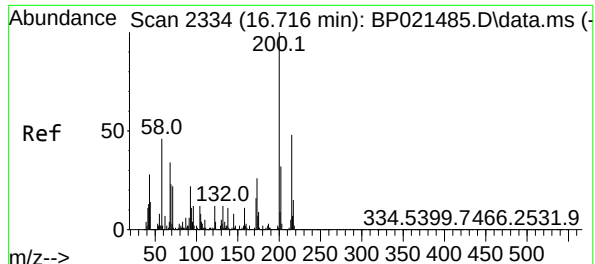
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 21

Delta R.T. 0.000 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

Tgt Ion:200 Resp: 114407

Ion Ratio Lower Upper

200 100

173 26.0 6.2 46.2

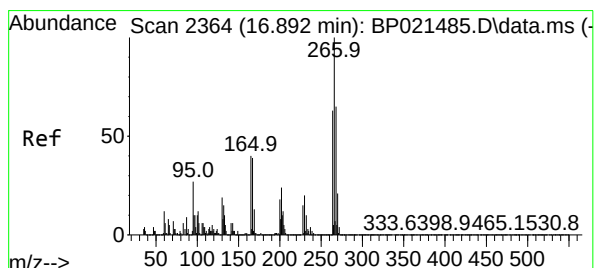
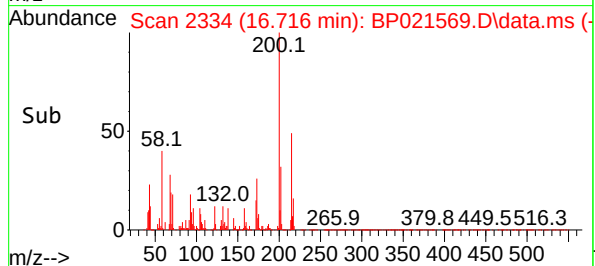
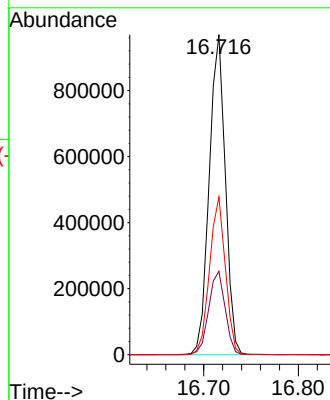
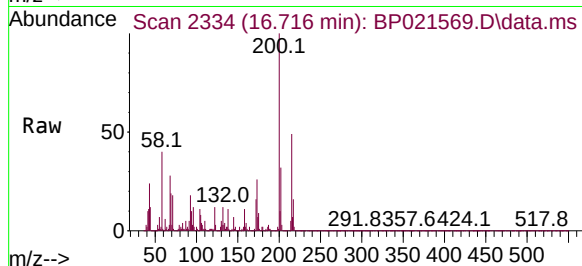
215 49.3 28.4 68.4

Manual Integrations

APPROVED

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

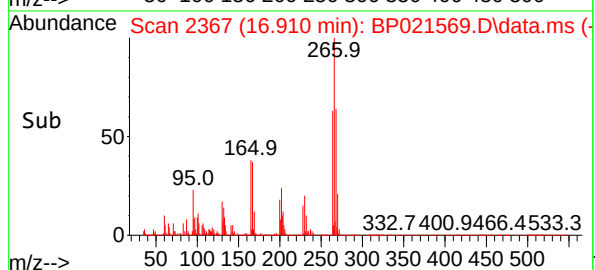
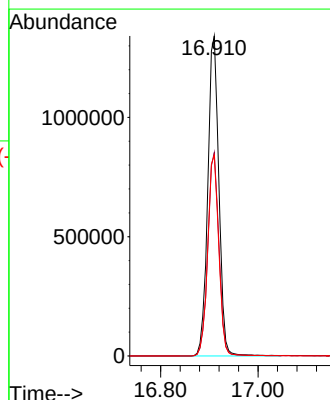
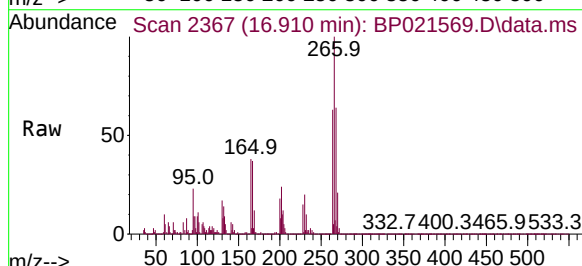
Tgt Ion:266 Resp: 2107986

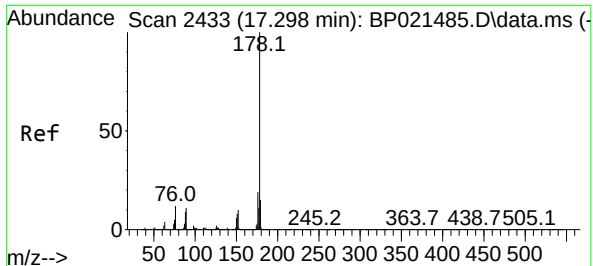
Ion Ratio Lower Upper

266 100

268 63.5 51.8 77.6

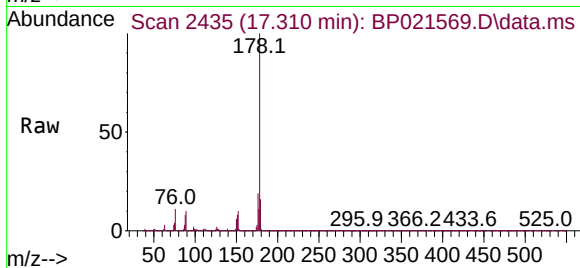
264 62.8 50.5 75.7





#71
Phenanthrene
Concen: 47.607 ng
RT: 17.310 min Scan# 2433
Delta R.T. 0.012 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

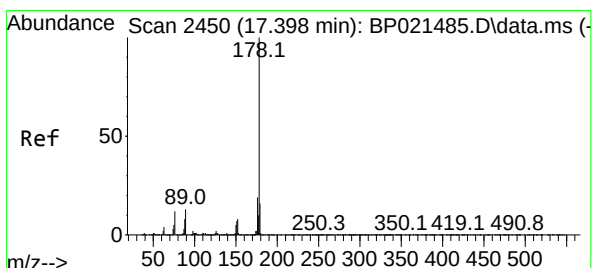
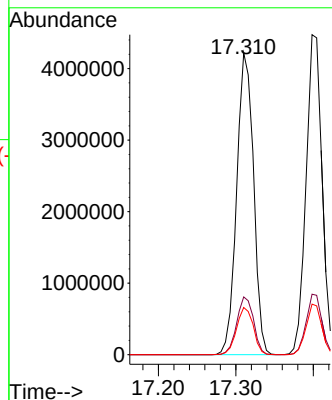
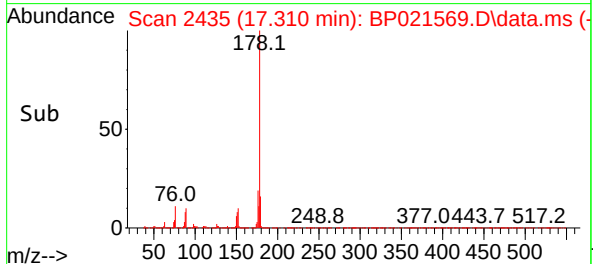
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



Tgt Ion:178 Resp: 6401785
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.6 12.4 18.6

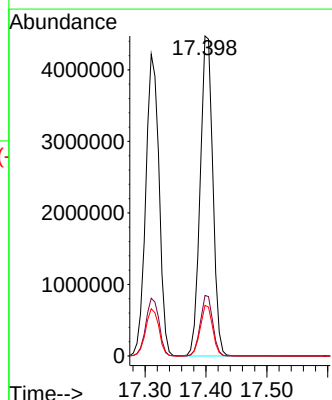
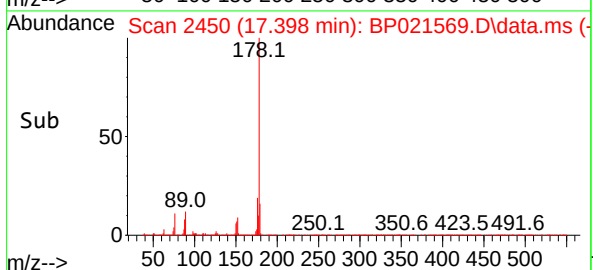
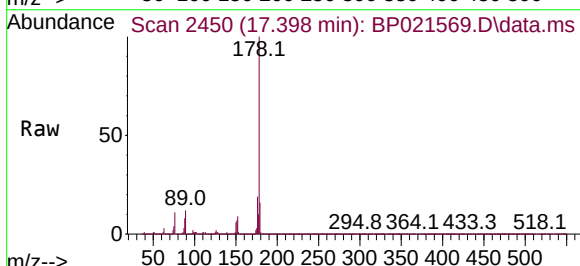
Manual Integrations
APPROVED

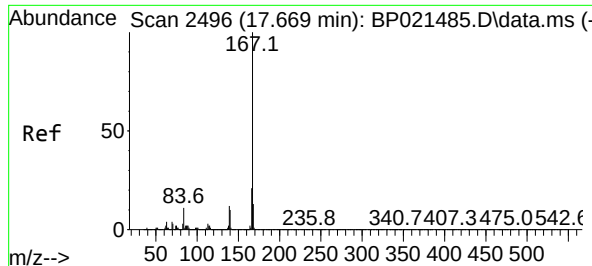
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

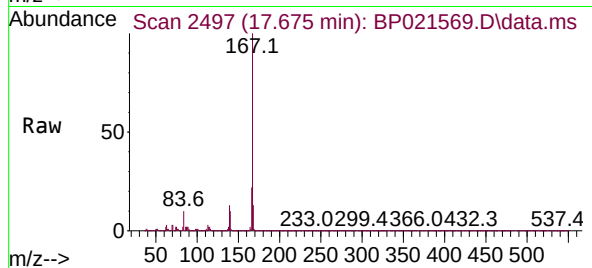
Tgt Ion:178 Resp: 6424495
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 15.8 12.5 18.7





#73
Carbazole
Concen: 48.939 ng
RT: 17.675 min Scan# 2496
Delta R.T. 0.006 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

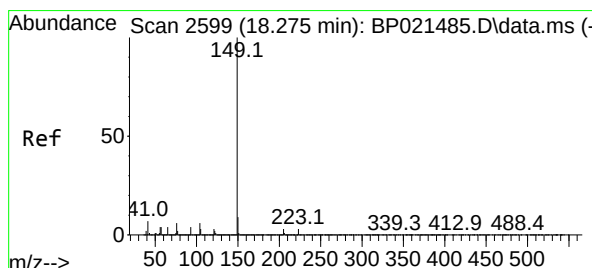
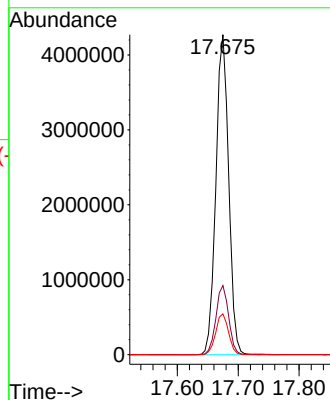
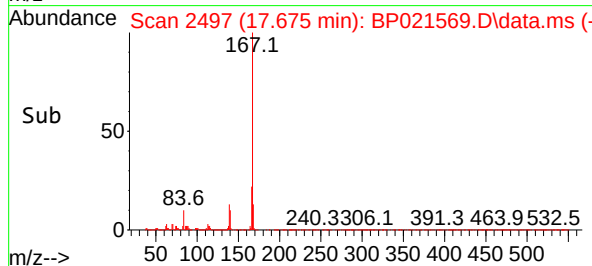
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



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

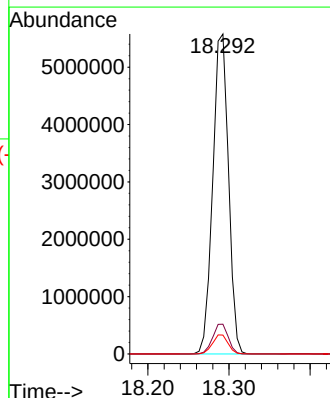
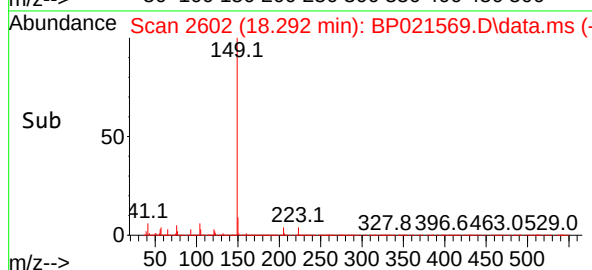
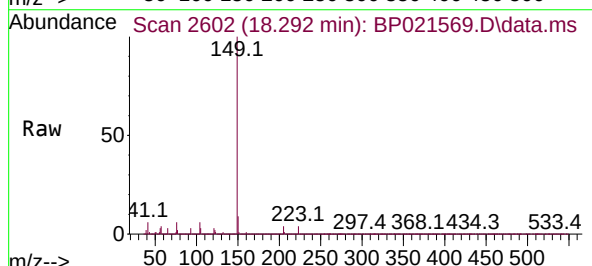
Manual Integrations
APPROVED

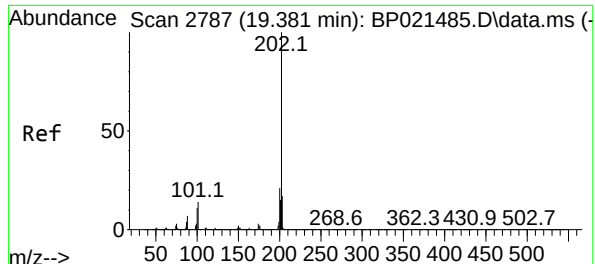
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

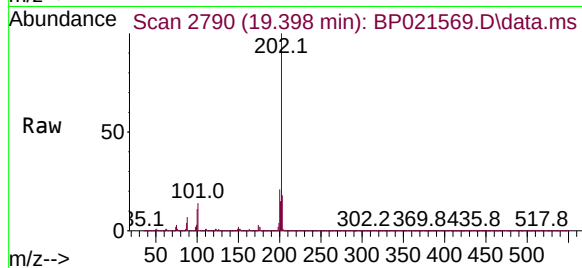
Tgt Ion:149 Resp: 7501228
Ion Ratio Lower Upper
149 100
150 9.3 7.5 11.3
104 5.9 4.9 7.3





#75
Fluoranthene
Concen: 46.418 ng
RT: 19.398 min Scan# 21
Delta R.T. 0.018 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

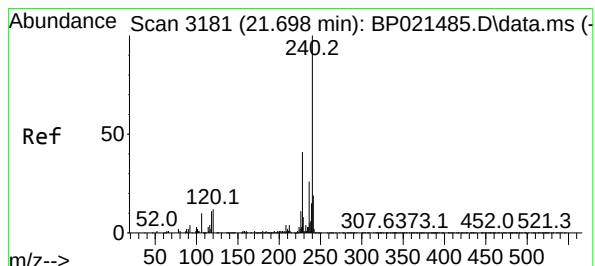
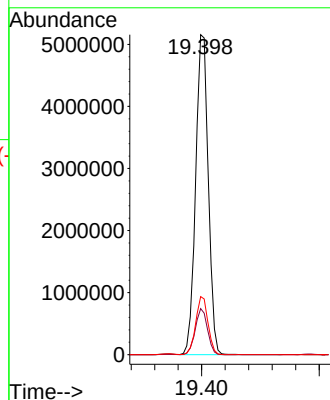
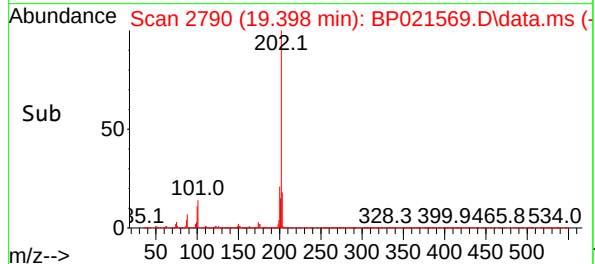
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



Tgt Ion:202 Resp: 7658708
Ion Ratio Lower Upper
202 100
101 14.4 0.0 34.0
203 18.1 0.0 37.5

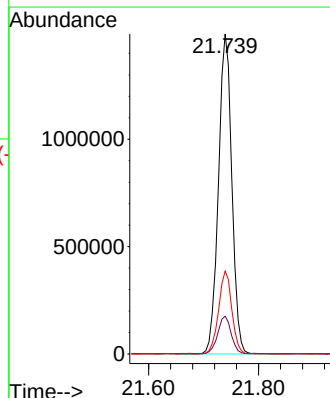
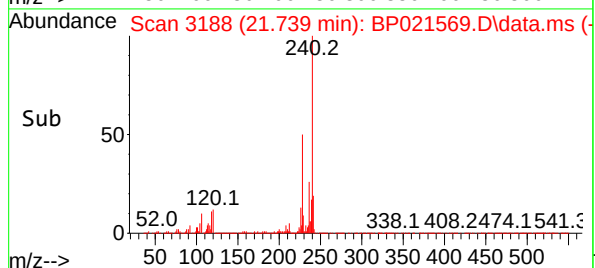
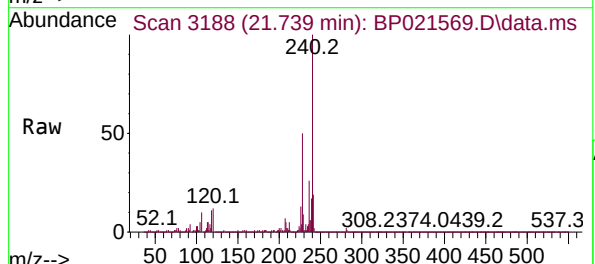
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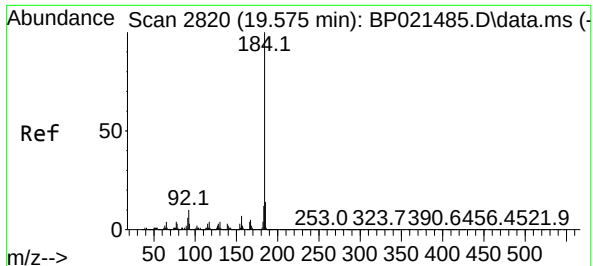
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

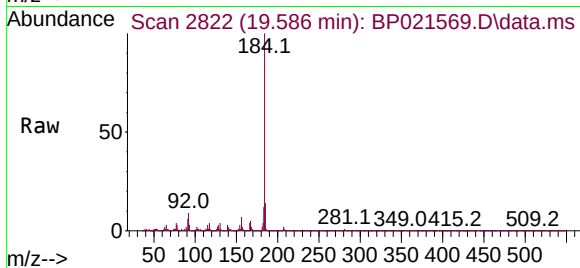
Tgt Ion:240 Resp: 2515502
Ion Ratio Lower Upper
240 100
120 11.8 9.9 14.9
236 25.9 20.6 30.8





#77
Benzidine
Concen: 28.295 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.011 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

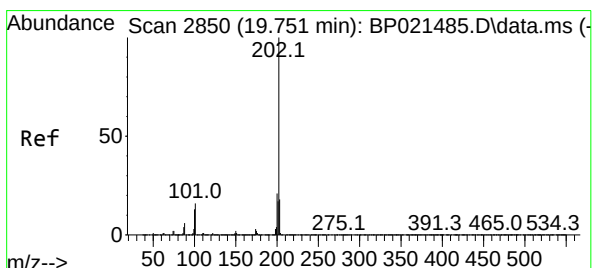
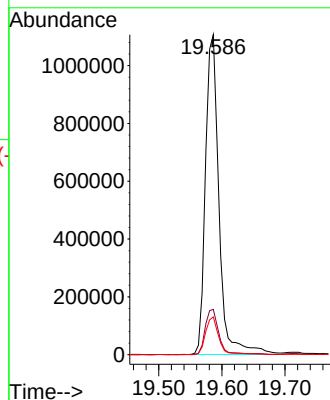
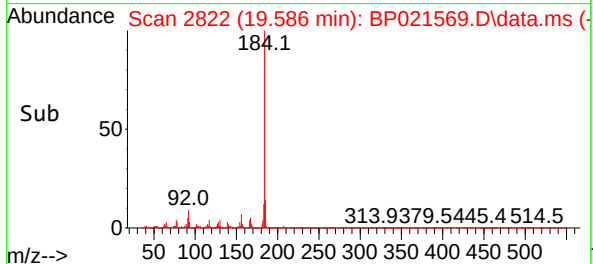
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



Tgt Ion:184 Resp: 1654718
Ion Ratio Lower Upper
184 100
185 14.1 11.4 17.0
183 11.8 9.3 13.9

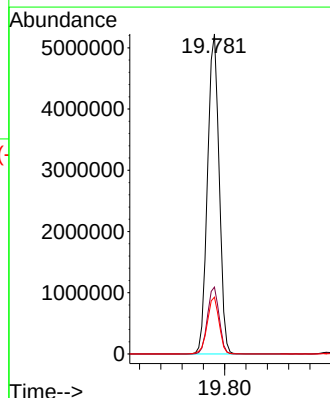
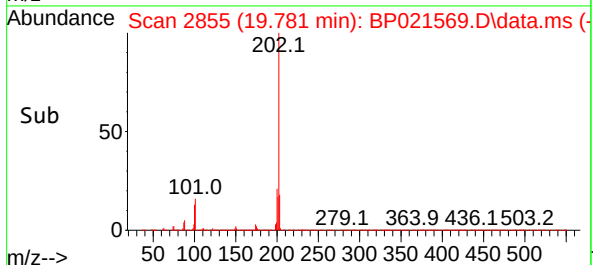
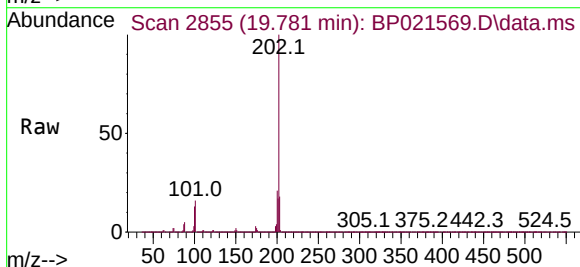
Manual Integrations
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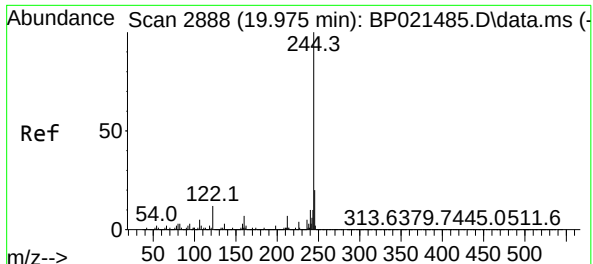
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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# 2891

Delta R.T. 0.017 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

Tgt Ion:244 Resp:1148436

Ion Ratio Lower Upper

244 100

212 7.2 5.6 8.4

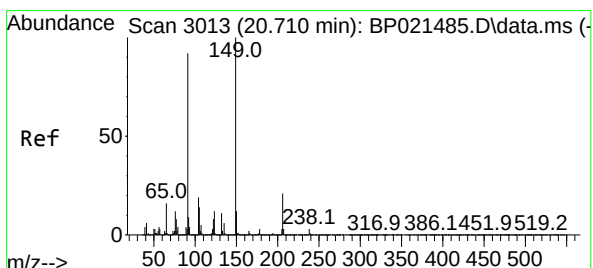
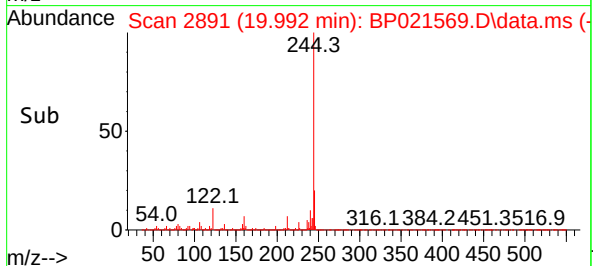
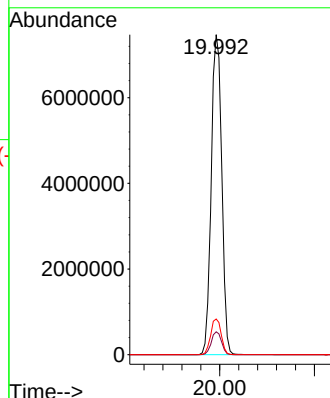
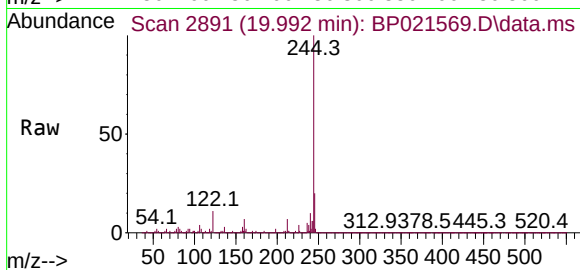
122 11.1 9.4 14.2

Manual Integrations

APPROVED

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

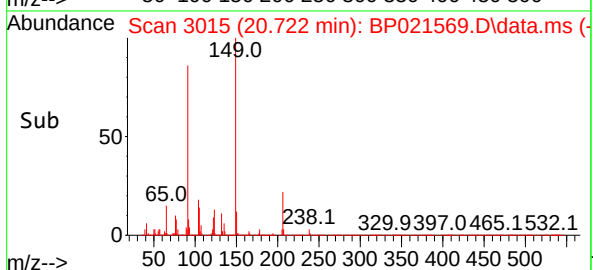
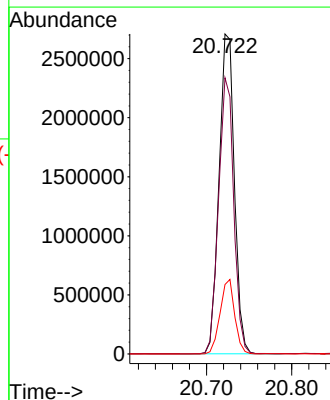
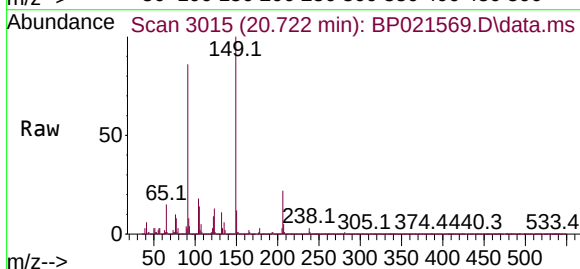
Tgt Ion:149 Resp: 3397196

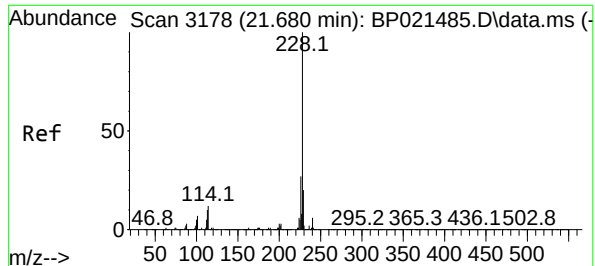
Ion Ratio Lower Upper

149 100

91 86.3 73.3 109.9

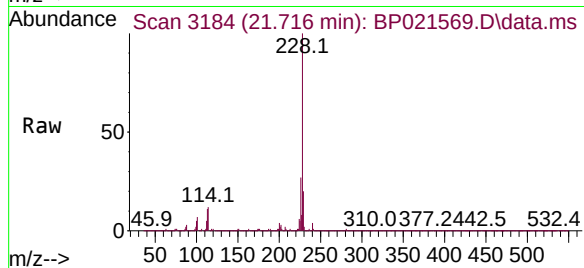
206 21.7 17.1 25.7





#81
Benzo(a)anthracene
Concen: 48.721 ng
RT: 21.716 min Scan# 3178
Delta R.T. 0.035 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

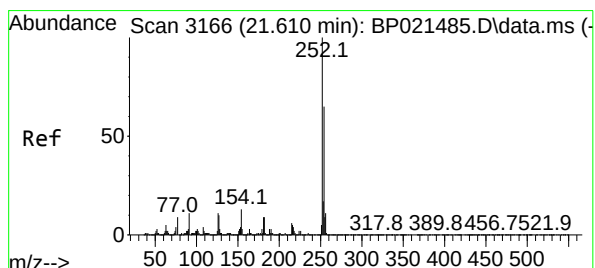
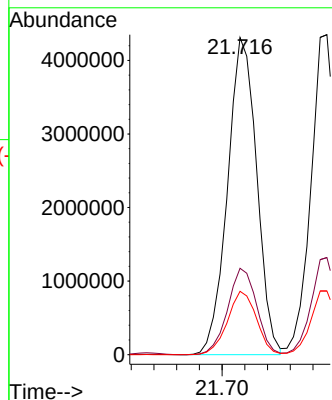
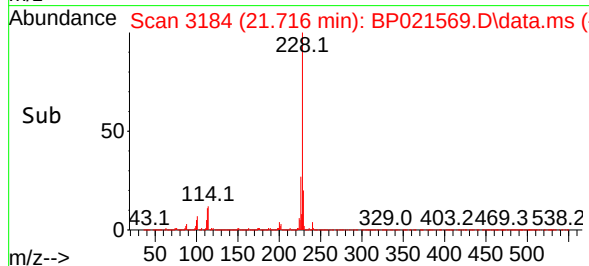
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



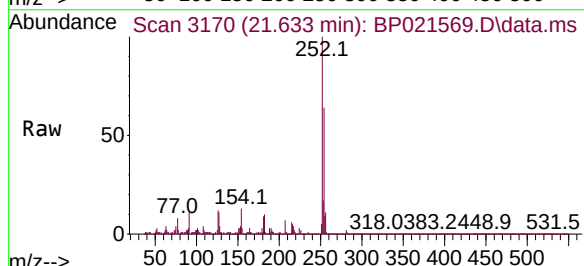
Tgt Ion:228 Resp: 769367
Ion Ratio Lower Upper
228 100
226 27.3 21.4 32.2
229 20.0 15.8 23.6

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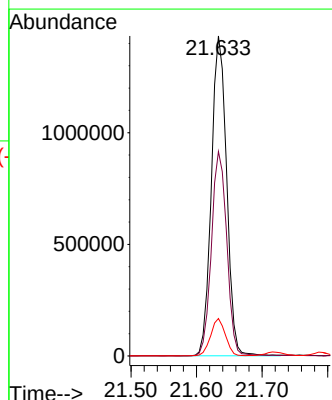
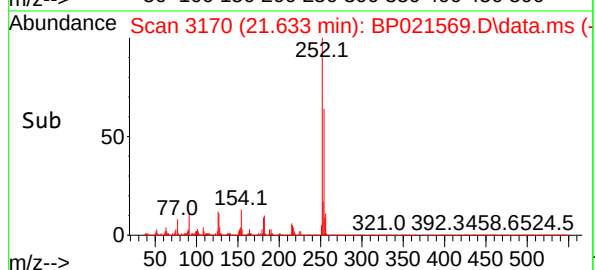
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024

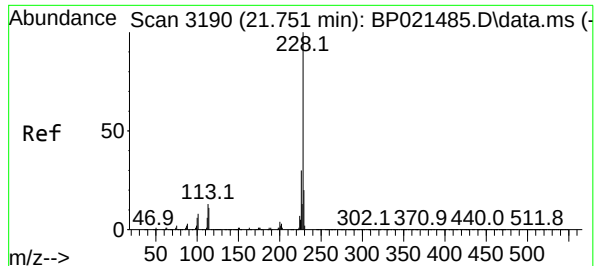


#82
3,3'-Dichlorobenzidine
Concen: 45.726 ng
RT: 21.633 min Scan# 3170
Delta R.T. 0.024 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13



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# 3190

Delta R.T. 0.041 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

Tgt Ion:228 Resp: 7276214

Ion Ratio Lower Upper

228 100

226 30.4 23.9 35.9

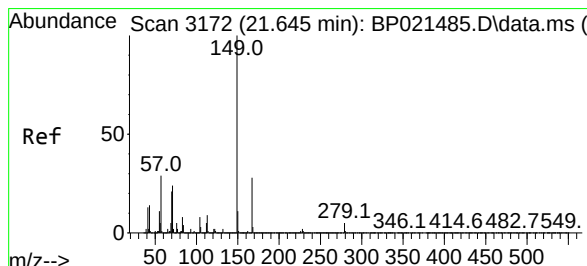
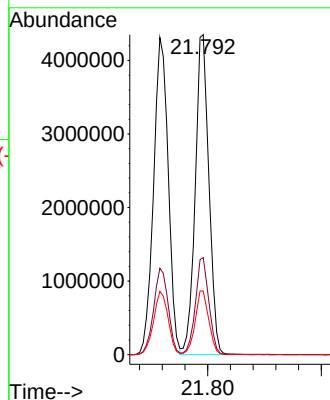
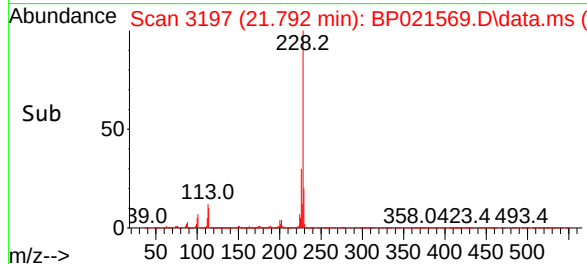
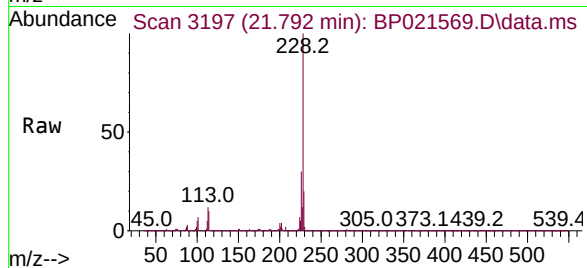
229 19.9 15.8 23.6

Manual Integrations

APPROVED

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

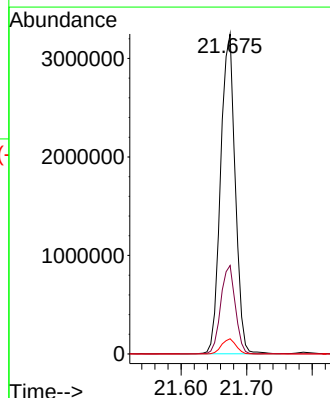
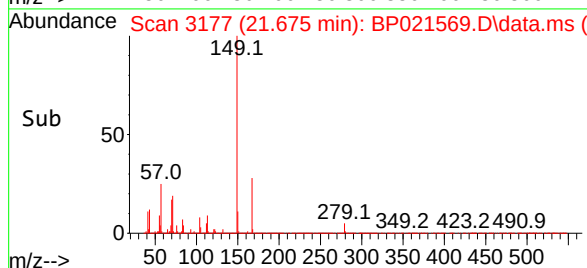
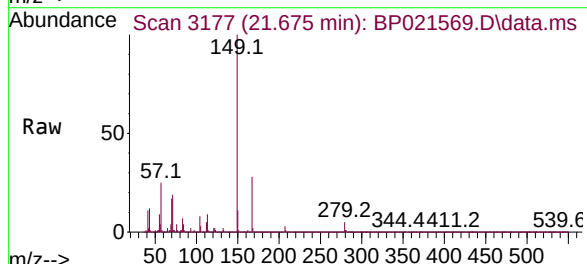
Tgt Ion:149 Resp: 4995239

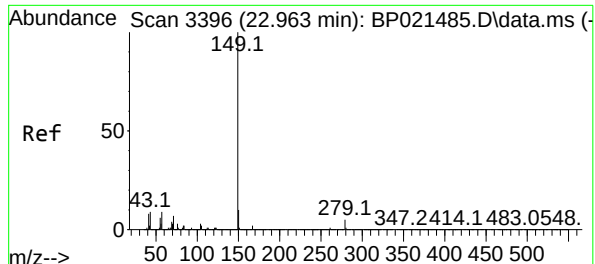
Ion Ratio Lower Upper

149 100

167 27.6 22.3 33.5

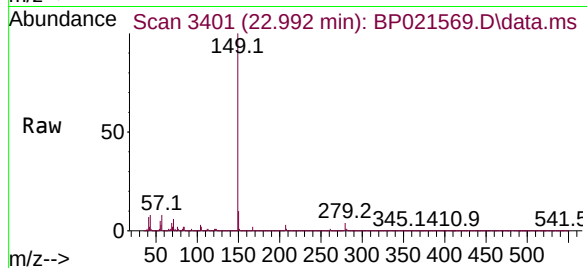
279 4.8 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 52.619 ng
RT: 22.992 min Scan# 3411
Delta R.T. 0.029 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

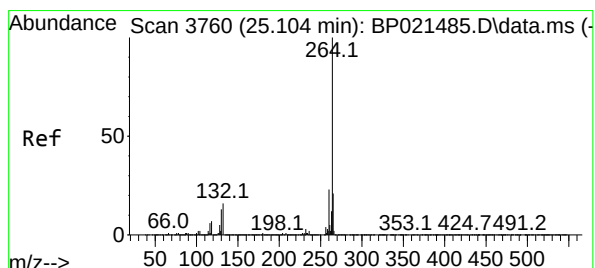
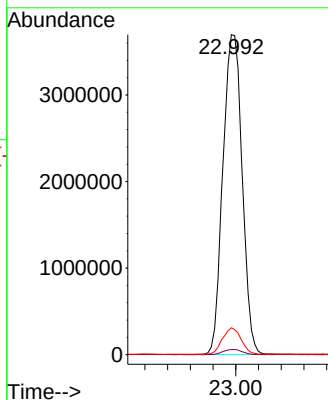
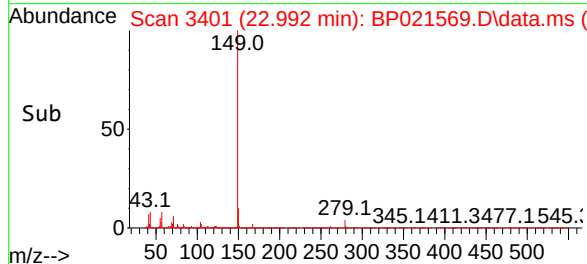
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



Tgt Ion:149 Resp: 8711748
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 8.0 7.3 10.9

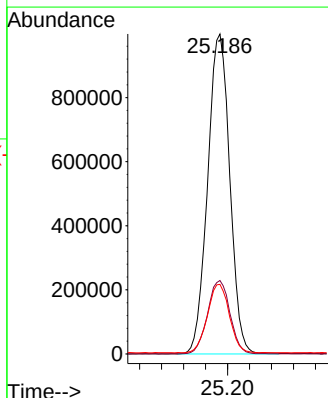
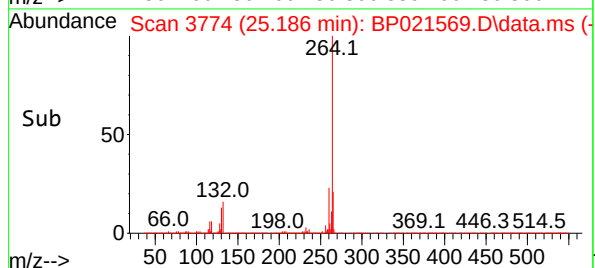
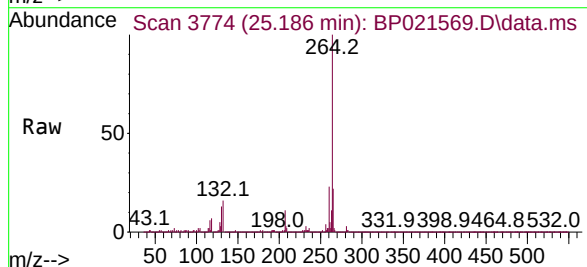
Manual Integrations
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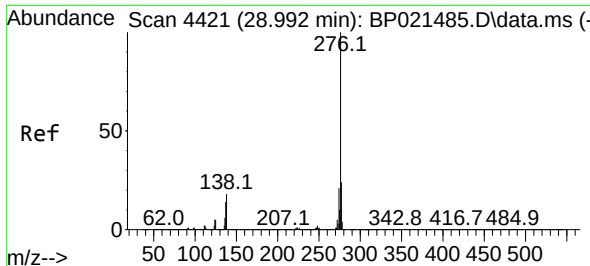
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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

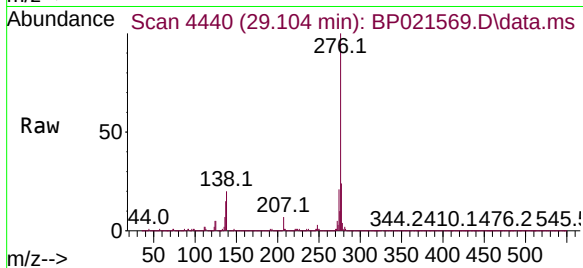
Tgt Ion:264 Resp: 2791666
Ion Ratio Lower Upper
264 100
260 22.9 18.6 28.0
265 21.8 17.1 25.7





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 53.928 ng
 RT: 29.104 min Scan# 4421
 Delta R.T. 0.112 min
 Lab File: BP021569.D
 Acq: 20 Aug 2024 12:13

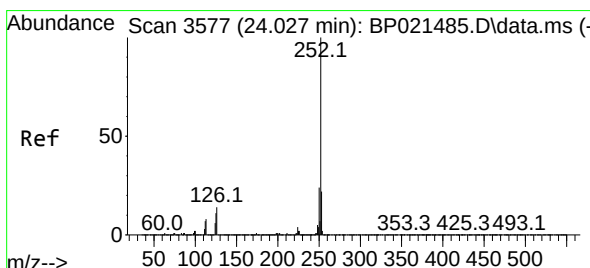
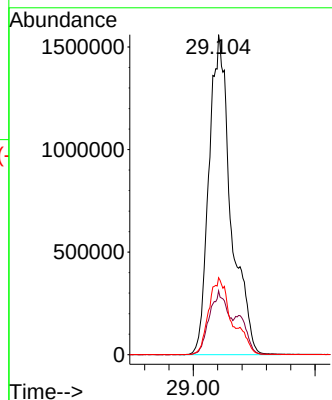
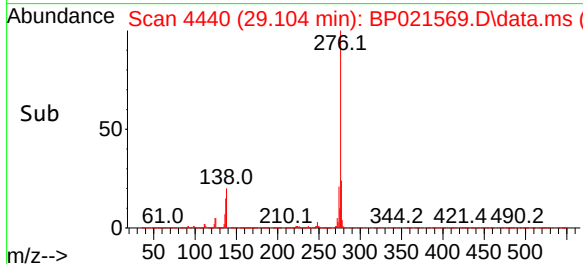
Instrument :
 BNA_P
 ClientSampleId :
 PB162822BSD



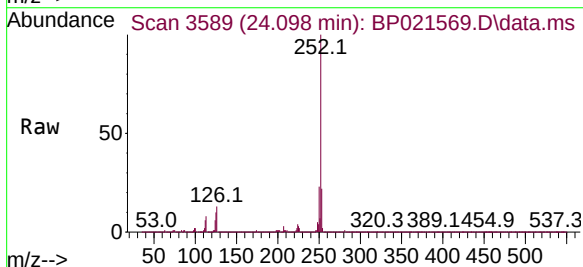
Tgt Ion: 276 Resp: 975882
 Ion Ratio Lower Upper
 276 100
 138 17.1 12.8 19.2
 277 21.8 16.5 24.7

Manual Integrations
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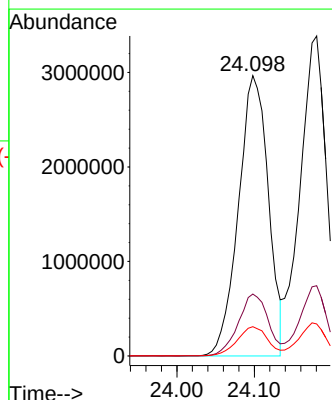
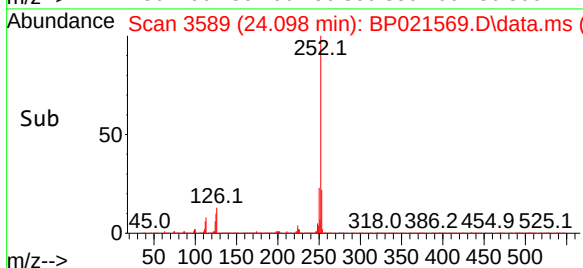
Reviewed By :Yogesh Patel 08/21/2024
 Supervised By :mohammad ahmed 08/22/2024

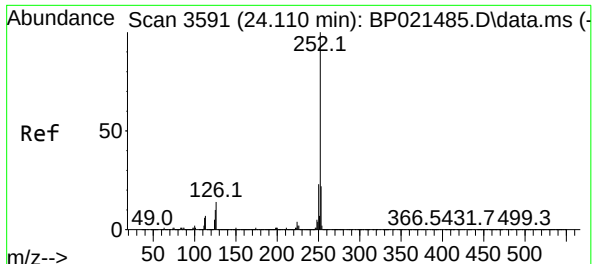


#88
 Benzo(b)fluoranthene
 Concen: 49.556 ng
 RT: 24.098 min Scan# 3589
 Delta R.T. 0.071 min
 Lab File: BP021569.D
 Acq: 20 Aug 2024 12:13



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# 30

Delta R.T. 0.071 min

Lab File: BP021569.D

Acq: 20 Aug 2024 12:13

Instrument :

BNA_P

ClientSampleId :

PB162822BSD

Tgt Ion:252 Resp: 797359

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

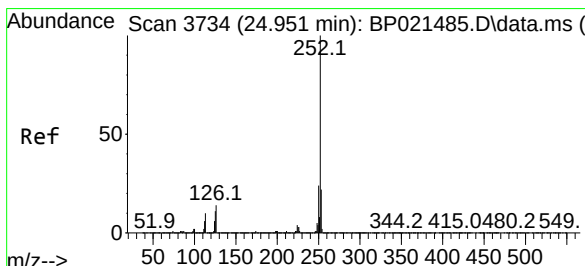
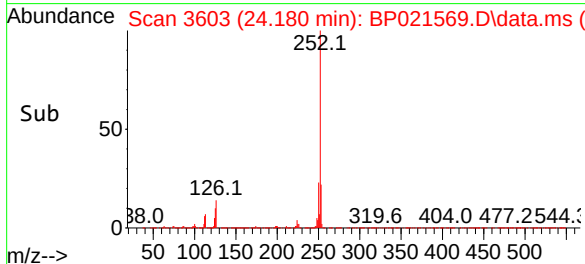
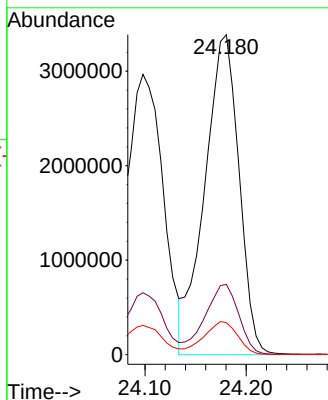
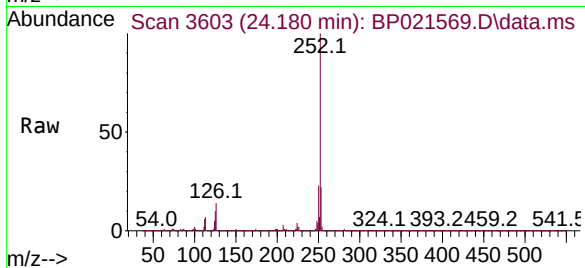
125 10.0 7.8 11.8

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

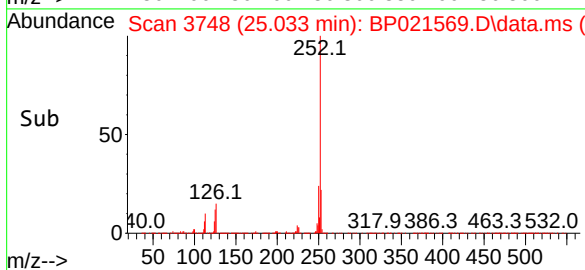
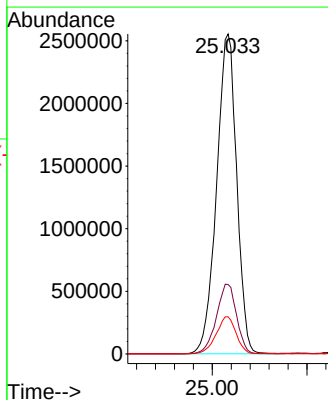
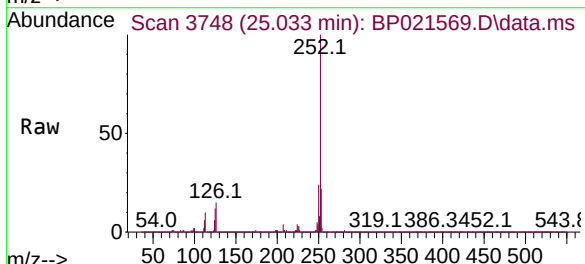
Tgt Ion:252 Resp: 7515255

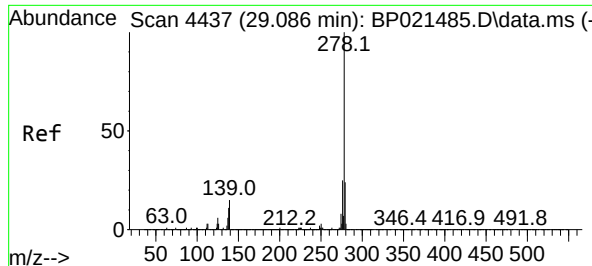
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

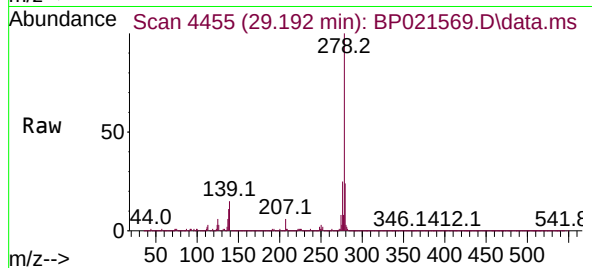
125 11.6 8.7 13.1





#91
Dibenzo(a,h)anthracene
Concen: 53.335 ng
RT: 29.192 min Scan# 4437
Delta R.T. 0.106 min
Lab File: BP021569.D
Acq: 20 Aug 2024 12:13

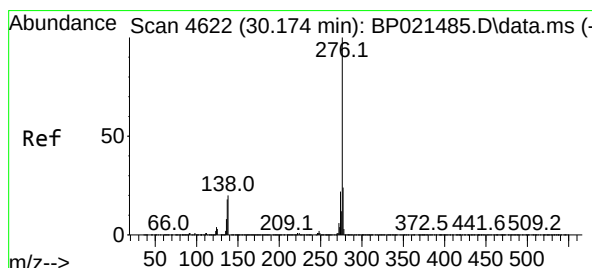
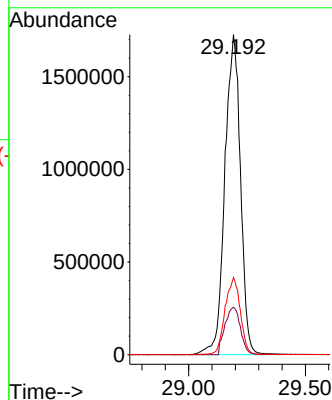
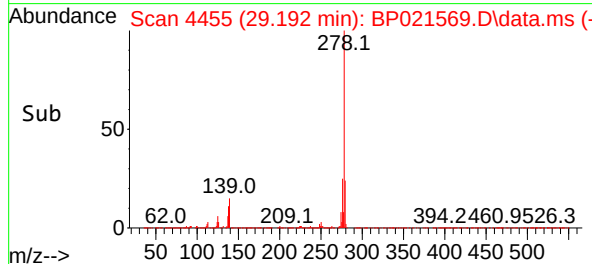
Instrument :
BNA_P
ClientSampleId :
PB162822BSD



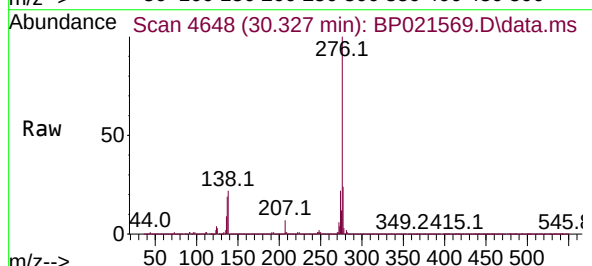
Tgt Ion: 278 Resp: 801935
Ion Ratio Lower Upper
278 100
139 14.8 12.2 18.4
279 24.1 19.1 28.7

Manual Integrations
APPROVED

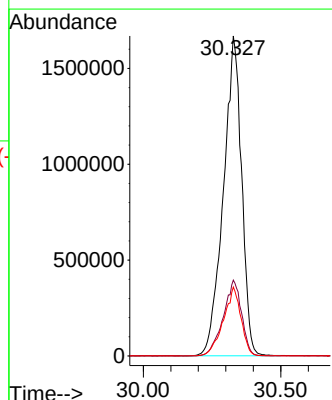
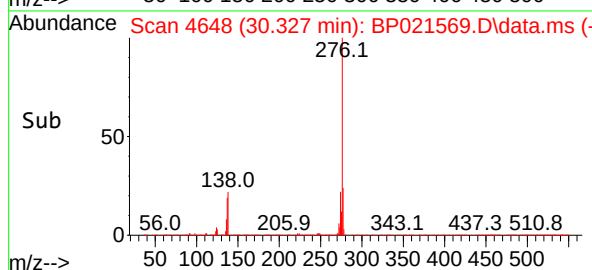
Reviewed By :Yogesh Patel 08/21/2024
Supervised By :mohammad ahmed 08/22/2024



#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



Manual Integration Report

Sequence:	BP081324	Instrument	BNA_p
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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

Manual Integration Report

Sequence:	BP081324	Instrument	BNA_p
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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

Manual Integration Report

Sequence:	BP082024	Instrument	BNA_p
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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

Manual Integration Report

Sequence:	BP082024	Instrument	BNA_p
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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

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch 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-0.5-1-081524	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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch 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

SOP ID: M3510C,3580A-Extraction SVOC-20			
Clean Up SOP #:	N/A	Extraction Start Date :	08/19/2024
Matrix :	Water	Extraction Start Time :	09:40
Weigh By:	N/A	Extraction By:	RS
Balance check:	N/A	Extraction End Date :	08/19/2024
Balance ID:	N/A	Filter By:	RP
pH Strip Lot#:	E3574	Extraction End Time :	14:35
		pH Meter ID:	N/A
		Concentration By:	RS
		Hood ID:	4,5,6,7
		Supervisor By :	rajesh

Extraction Method: ☒ Seperatory Funne ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standarded 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
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.

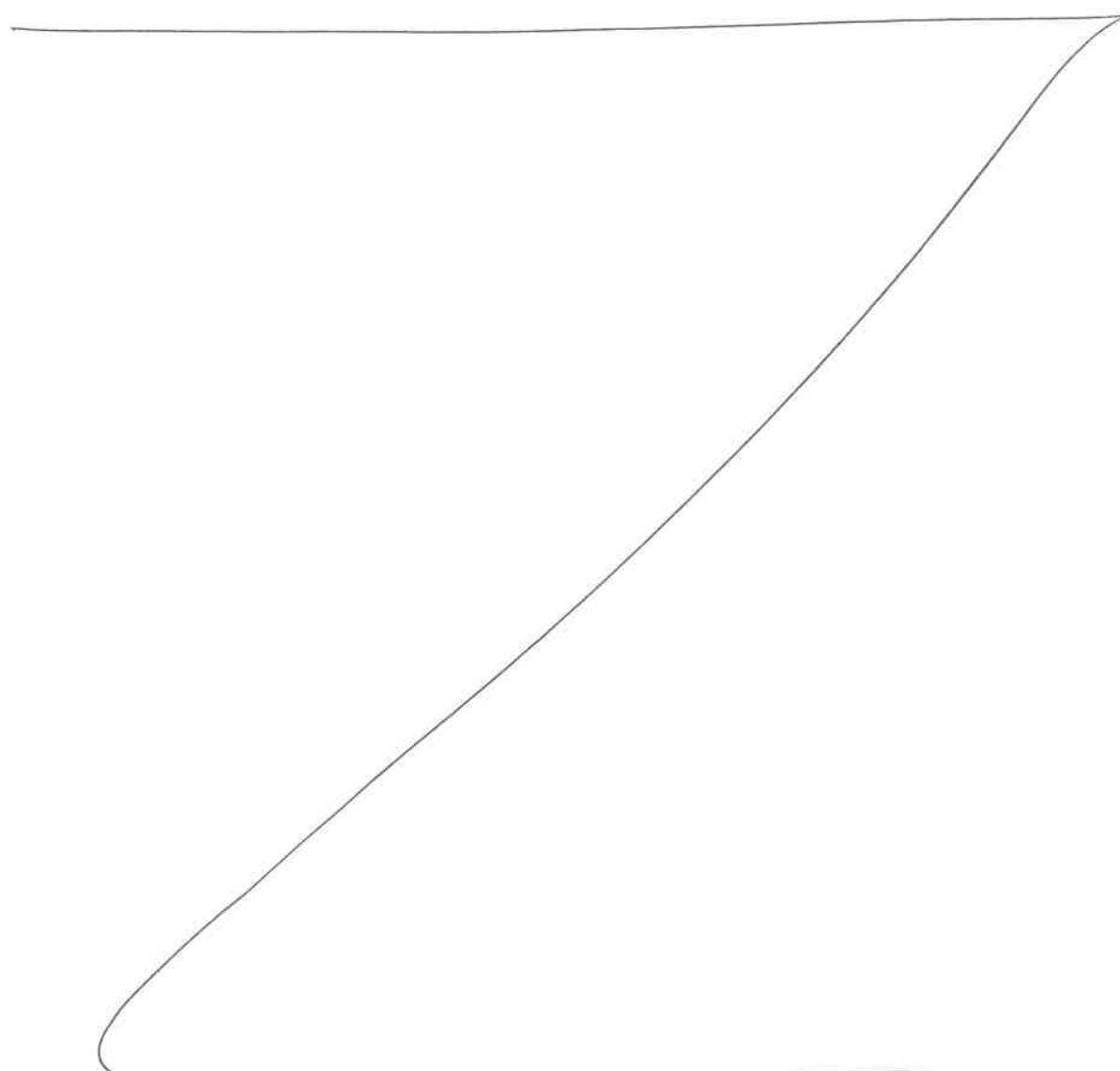
KD Bath ID:	WATER BATH-1	Envap ID:	NE VAP-02
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Recelved By/Location
08/19/24	RP (Ext. 224)	RC/SVOC
14:40	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 08/19/2024

Sample ID	Client Sample ID	Test	g / 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



* Extracts relinquished on the same date as received.

8/19/24

162822
102821
9140
H
9119

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: PS (Set 104)
Raw Sample Relinquished by: July

Date/Time 08/19/24 10:00
Raw Sample Received by: Jul
Raw Sample Relinquished by: PS (Set 104)

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,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2521	08/10/2024	01/03/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/10/2024

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1874	10 N SODIUM HYDROXIDE SOLN	EP2523	08/14/2024	02/14/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 08/14/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
18	Second Source Calibration Stock Standard, 100 PPM, (8270/825/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								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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								

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
171	8270/625 Spike Solution, 50/100 PPM	SP6604	08/12/2024	10/26/2024	Rahul Chavli	None	None	Yogesh Patel
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								

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

CHEMICAL RECEIPT LOG BOOK

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, CH ₂ Cl ₂ , 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

CHEMICAL RECEIPT LOG BOOK

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,5ml	A0189418	11/30/2024	05/31/2024 / Jagrut	12/28/2022 / Christian	S11001

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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

CHEMICAL RECEIPT LOG BOOK

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]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11555

[CS 4978-1]

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]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11561

[CS 4978-1]

CHEMICAL RECEIPT LOG BOOK

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]	A0201940	12/05/2024	06/05/2024 / Rahul	09/18/2023 / Kiran	S11566

[CS 4978-1]

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]	A0201940	02/12/2025	08/12/2024 / Rahul	09/18/2023 / Kiran	S11567

[CS 4978-1]

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

CHEMICAL RECEIPT LOG BOOK

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, CH ₂ Cl ₂ , 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, CH ₂ Cl ₂ , 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, CH ₂ Cl ₂ , 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]	A0207706	01/09/2025	07/09/2024 / Jagrut	02/05/2024 / Rahul	S12097

[CS 4978-2]

CHEMICAL RECEIPT LOG BOOK

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12098

[CS 4978-2]

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12099

[CS 4978-2]

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12100

[CS 4978-2]

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12101

[CS 4978-2]

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12102

[CS 4978-2]

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12103

[CS 4978-2]

CHEMICAL RECEIPT LOG BOOK

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12104

[CS 4978-2]

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]	A0207706	02/12/2025	08/12/2024 / Rahul	02/05/2024 / Rahul	S12105

[CS 4978-2]

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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12119

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0203726	02/12/2025	08/12/2024 / Rahul	03/15/2024 / Rahul	S12125

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12449

[CS 4978-1]

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]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12450

[CS 4978-1]

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]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12451

[CS 4978-1]

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]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12452

[CS 4978-1]

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]	A0214021	02/12/2025	08/12/2024 / Rahul	07/23/2024 / RAHUL	S12453

[CS 4978-1]

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 / lwona	07/03/2024 / lwona	W3112

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- 4
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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

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Concentration (correct for purity) and uncertainty (95% confidence) values
listed are determined gravimetrically.



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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

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Certified By: _____

Shane Overcash
Chemist

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Catalog No.: Lot No.: **Storage:** **Solvent:** **Exp. Date:** **Description:**
Z-112090 440246 $\leq -10^{\circ}\text{C}$ Methylene Chloride 2/16/2026 CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL
-04

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d ₄	93951-73-6	99.3	248.12.7P	7487 $\pm$ 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 $\pm$ 17.26
phenol-d ₆	13127-88-3	99.9	949.120.8P	7481 $\pm$ 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 $\pm$ 17.17

Received on

02/25/21

by
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S9236
to

S9240

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Erica Castiglione

Certified By:

Erica Castiglione
Chemist

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511099

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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

Brianna Smith

Certified By: _____

Brianna Smith
Chemist

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Certificate of Analysis

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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

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Certified By: Briana Smith
Briana Smith
Chemist

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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

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
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 gravimetrically.



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Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



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 on
03/10/22
by
CG
S10242
to
S10247

Catalog No. : 31615 **Lot No.:** A0182667
Description : GC/MS Tuning Mixture
GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2025 **Storage:** 10°C or colder
Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol CAS # 87-86-5 (Lot 211229RSR) Purity 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) CAS # 5074-71-5 (Lot Q117-147) Purity 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL +/- 45.8508 µg/mL +/- 66.2023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine CAS # 92-87-5 (Lot 211228JLM) Purity 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL +/- 45.9318 µg/mL +/- 66.3193 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT CAS # 50-29-3 (Lot 210916JLM) Purity 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL +/- 45.8954 µg/mL +/- 66.2667 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

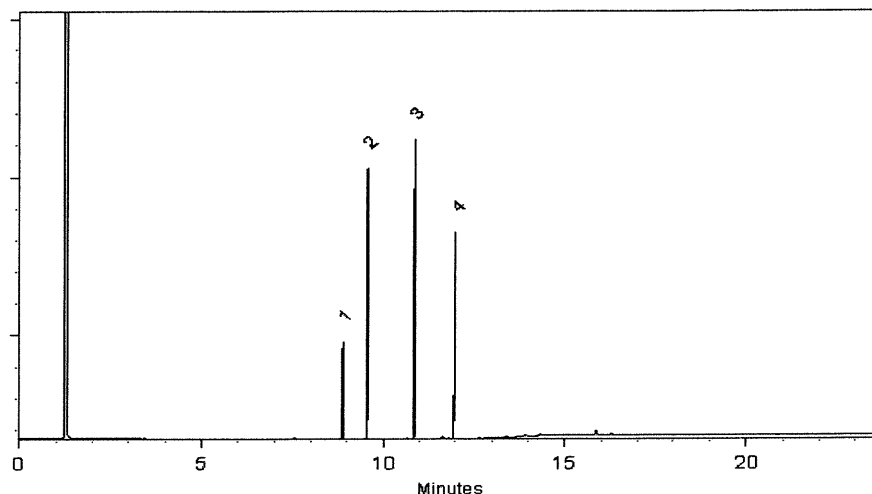
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022 **Balance:** B345965662

Marlene 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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Gravimetric Certificate



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. : 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

Received by
CG ON
05/18/22
S10393
+0
S10402

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	4-Nitrophenol CAS # 100-02-7 Purity 99% (Lot MKCN1089)	25,060.0 µg/mL	+/- 231.9100 µg/mL Gravimetric +/- 753.2622 µg/mL Unstressed +/- 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:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

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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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate



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. : 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

Received by
CG
on
07/05/22
S 10583
to
S 10592

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Benzidine CAS # 92-87-5 Purity 99%	25,200.0 µg/mL (Lot 220511RSR)	+/- 233.2055 µg/mL Gravimetric +/- 351.6606 µg/mL Unstressed +/- 512.6054 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckal - 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:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

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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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.

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 Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL 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:

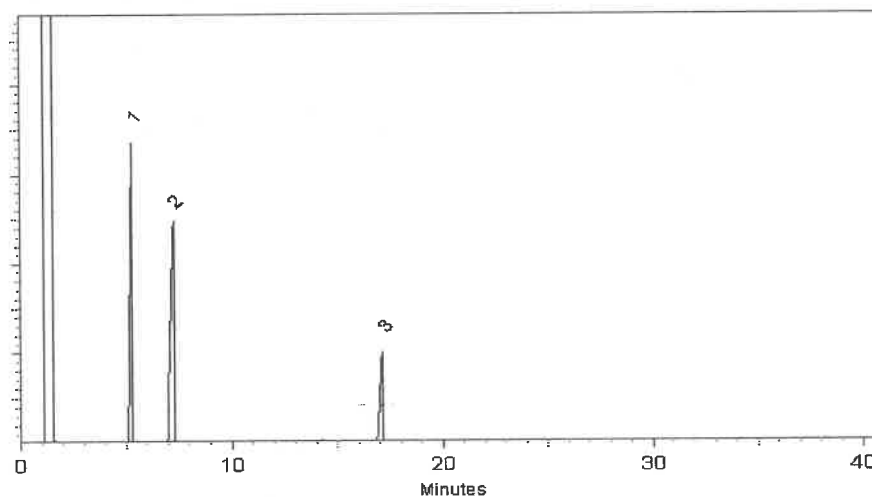
250°C

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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** 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

Received by
CG on
12/28/22
S10951
FO
S10980

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 Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

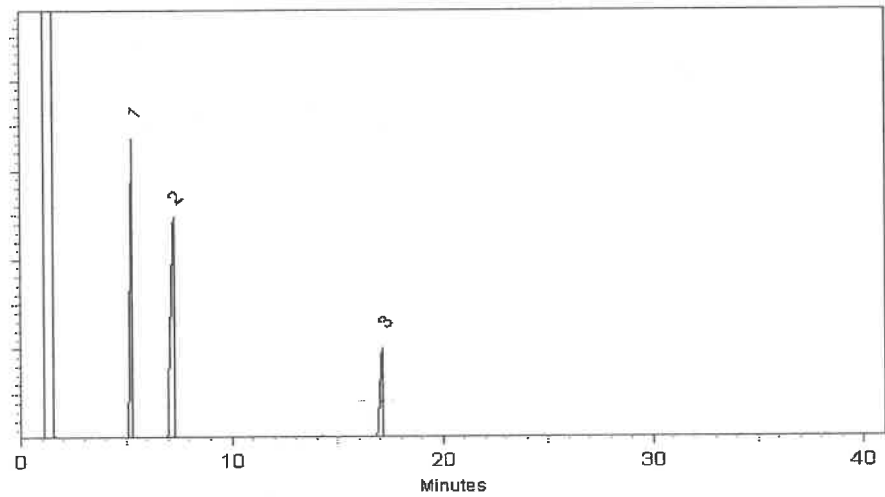
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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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 Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

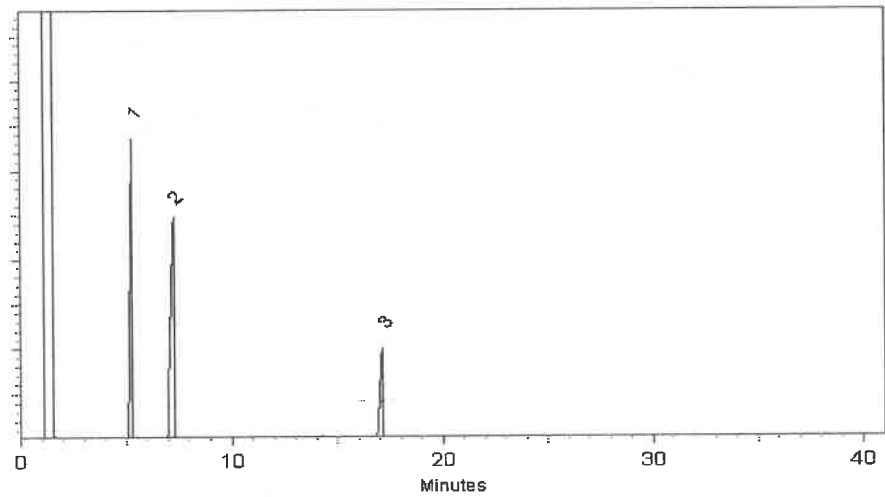
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

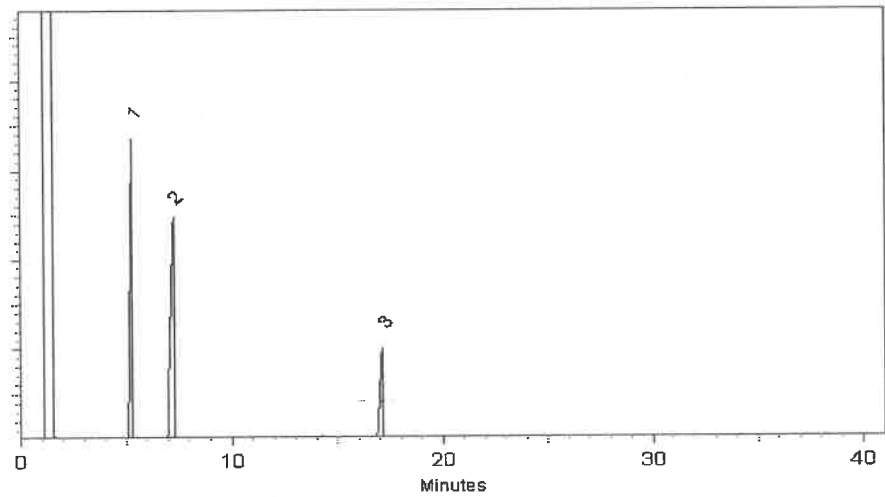
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

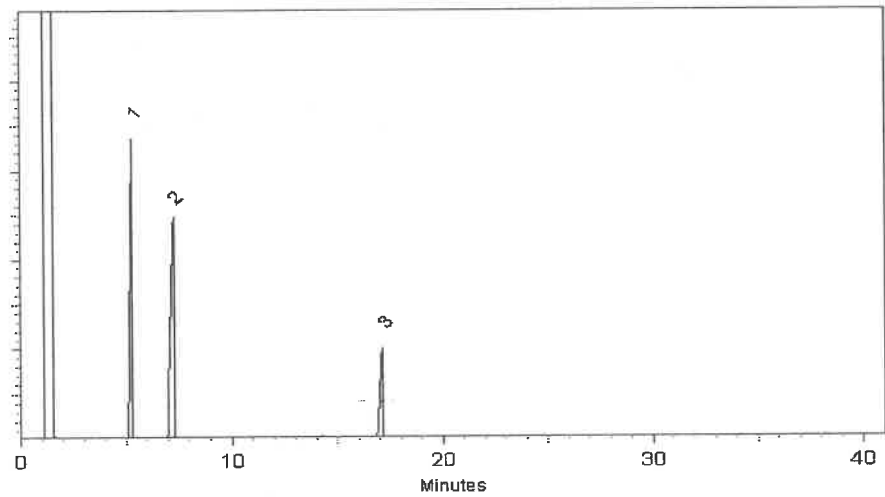
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 31087 **Lot No.:** 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

Received by
CG on
12/28/22
S10951
to
S10980

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 Gravimetric +/- 294.4162 µg/mL Unstressed +/- 357.2628 µg/mL Stressed
2	Phenol-d6 CAS # 13127-88-3 Purity 99% (Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL Gravimetric +/- 293.0957 µg/mL Unstressed +/- 355.6603 µg/mL Stressed
3	2,4,6-Tribromophenol CAS # 118-79-6 Purity 99% (Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL Gravimetric +/- 292.1253 µg/mL Unstressed +/- 354.4829 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

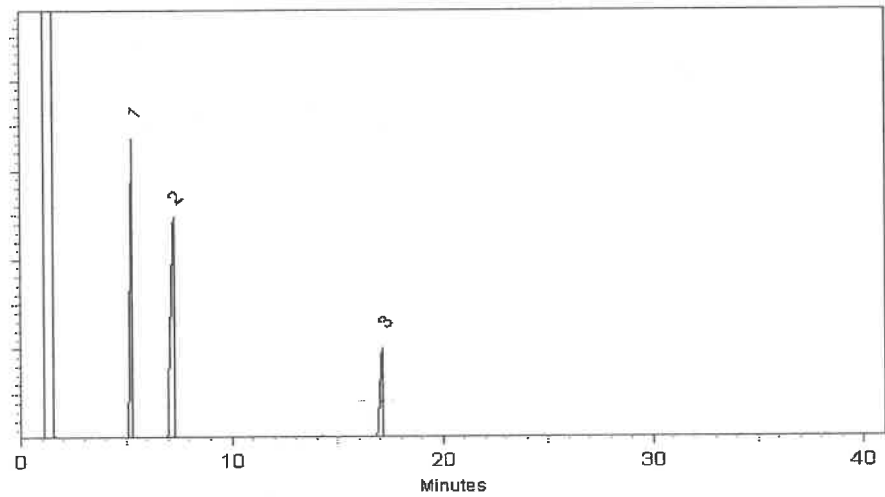
Carrier Gas:
hydrogen-constant pressure 10 psi.

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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Certificate #FM 80397



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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

Received by
CG on
12/28/22
\$10981
to
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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 Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

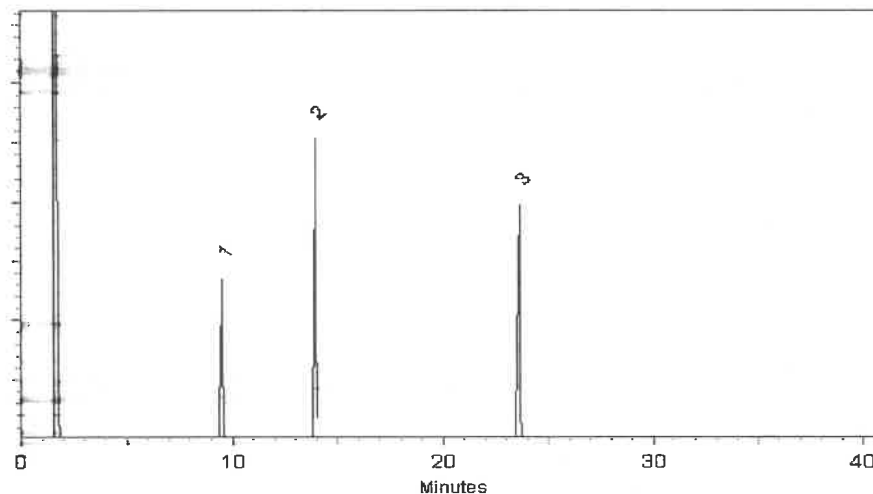
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

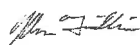
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Registered Quality System
Certificate #FM 80397



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to
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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 Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

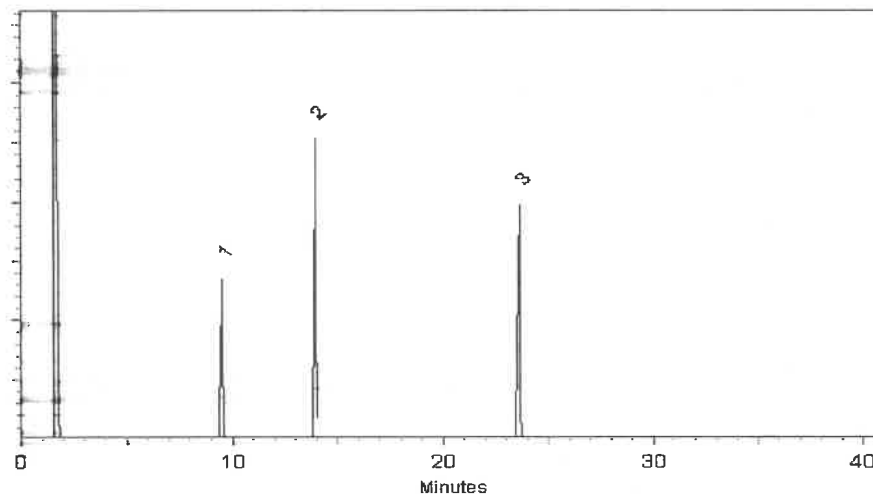
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

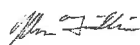
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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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 Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

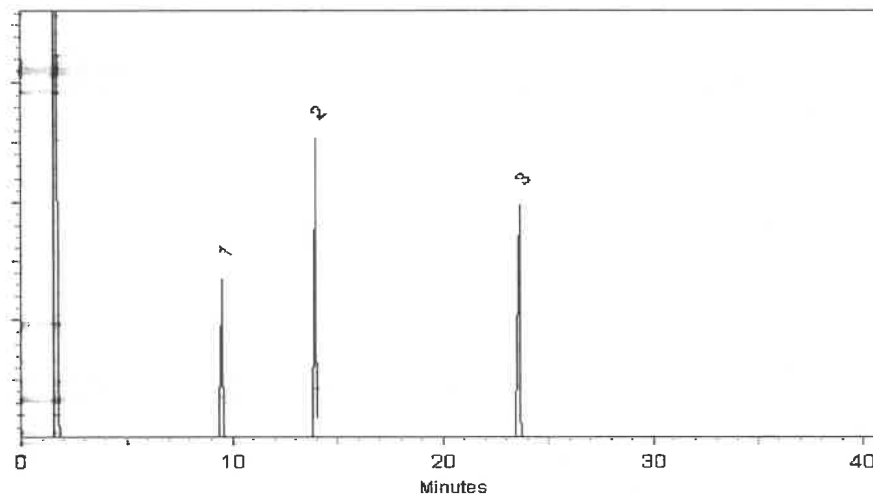
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

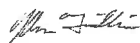
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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to
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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 Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL 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)

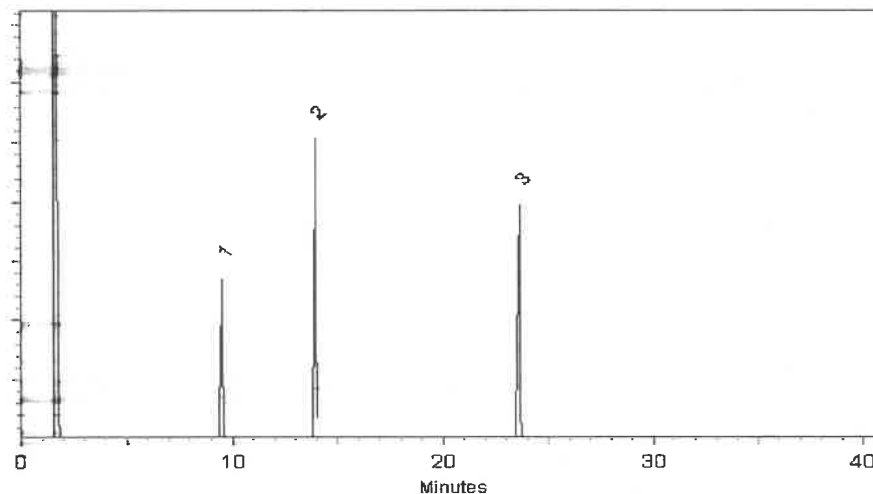
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
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@ 10°C/min. (hold 10 min.)

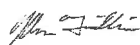
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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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

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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 Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

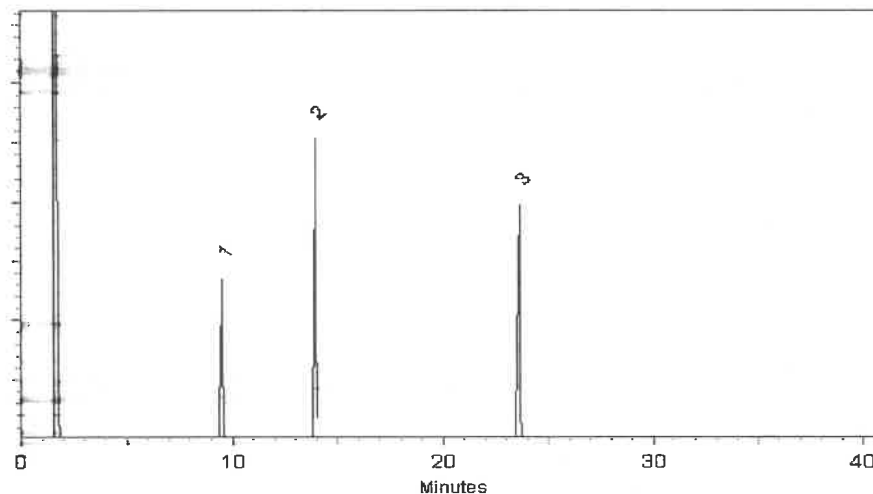
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

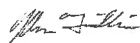
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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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 Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

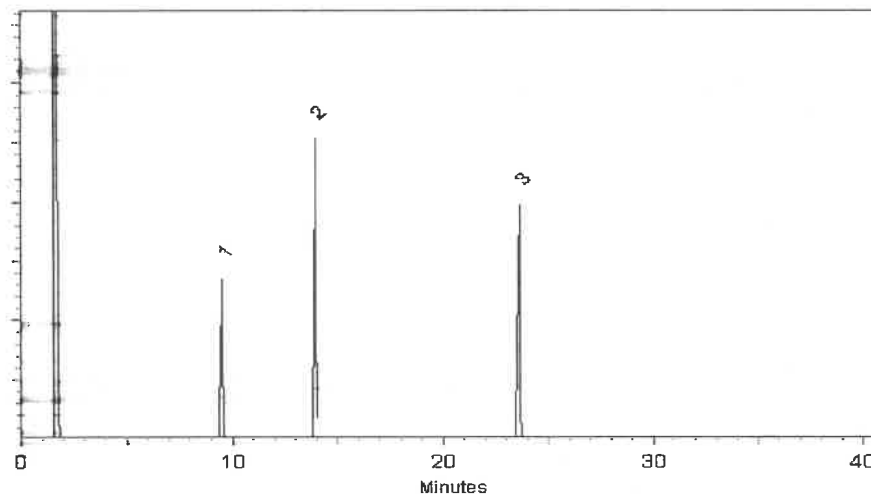
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

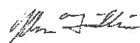
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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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 Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
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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)

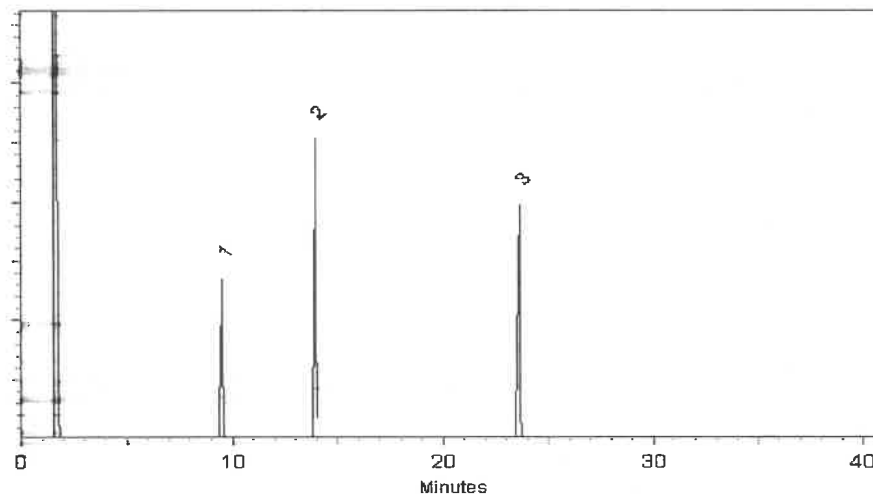
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
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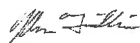
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022

Balance: 1128353505


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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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 Gravimetric +/- 225.6421 µg/mL Unstressed +/- 250.3778 µg/mL Stressed
2	2-Fluorobiphenyl CAS # 321-60-8 (Lot 00021384) Purity 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL Gravimetric +/- 226.4003 µg/mL Unstressed +/- 251.2191 µg/mL Stressed
3	p-Terphenyl-d14 CAS # 1718-51-0 (Lot PR-30504) Purity 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL Gravimetric +/- 226.4304 µg/mL Unstressed +/- 251.2524 µg/mL Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:

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Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

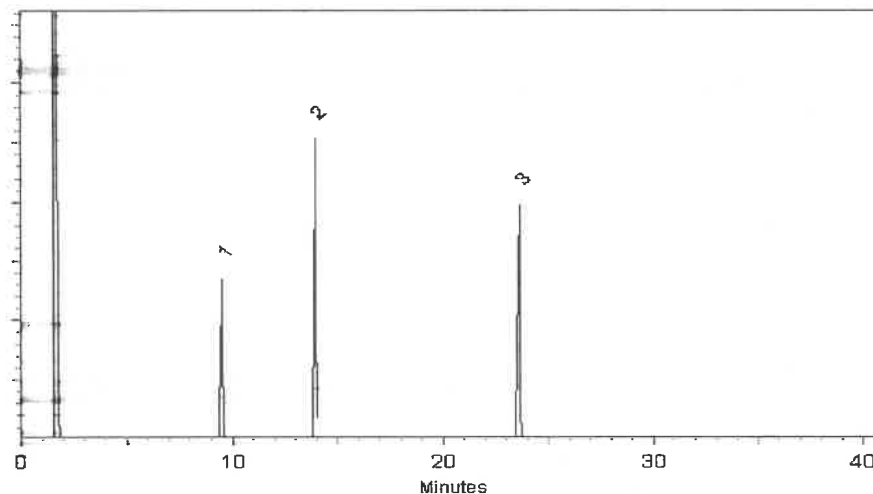
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

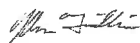
Inj. Temp:
250°C

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

Received on
01/13/23
by
CG
S11011
+0
S11015

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

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

ified 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
 anded 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.

ertainty Value Notes:

ertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded
 ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability
 ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

igned 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
 r 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
 ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom
 m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861,
 ides complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard
Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

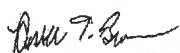
Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%


Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023

Balance: B442140311

Manufactured under Restek
Registered Quality
Certificate #FM1

- 1
- 2
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- 17

n date valid for unopened ampul stored in compliance with the recommended conditions.
 erty, concentration, and expiration of the CRM are based on the unopened product being stored according to the
 ended condition found in the storage field.

ards 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.

Values are rounded to the nearest whole number.

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 and shipping stability uncertainty and were combined using the following formula:

average 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 minimum packaged amount can be sufficiently transferred.

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily with 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 i, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

solved material is visible inside the ampul, sonicate the unopened ampul until the material is completely



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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 ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO 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 foreign 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.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3



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:

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	$\leq 0.005 \%$	$< 0.005 \%$	PASS
Chloride	$\leq 0.005 \%$	0.002 %	PASS
Heavy Metals	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Iron	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Magnesium	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Mercury	$\leq 0.1 \text{ ppm}$	$< 0.1 \text{ ppm}$	PASS
Nickel	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Nitrogen Compounds	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Phosphate	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Potassium	$\leq 0.02 \%$	$< 0.02 \%$	PASS
Purity	$\geq 97.0 \%$	99.2 %	PASS
Sodium Carbonate	$\leq 1.0 \%$	0.5 %	PASS
Sulfate	$\leq 0.003 \%$	$< 0.003 \%$	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

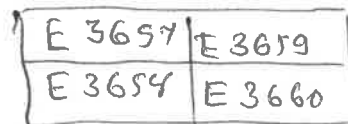
This document has been electronically produced and is valid without a signature.

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.



Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

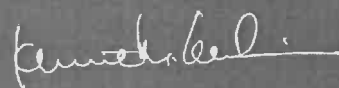
Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	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

Rec'd by RP on 5/23/24

E 3744



Ken Koehnlein
Sr. Manager, Quality Assurance

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



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 ₂ Cl 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
Titration 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


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
Page 1 of 1

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



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) ₂ CO) (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
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



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 ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.1 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	< 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
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Page 1 of 1

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



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 ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titration Acid (μeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	< 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

avantorsm



Material No.: 9673-33

Batch No.: 0000250349

Manufactured Date: 2019/12/17

Retest Date: 2024/12/15

Revision No: 1

M5037-38-39-40
no

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H ₂ SO 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 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



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

Page 1 of 1

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 } Y.P.
↓
511498 } 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 gravimetrically.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 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
↓
51568
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%

REVIEWED

By Jennifer Pollino at 7:10 am, Sep 13, 2023

Sam Moodler - Operations Tech I

Date Mixed: 13-Sep-2023

Balance: B345965662

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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gravimetric



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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

Expiration Date:

September 30, 2025

Handling:

This product is photosensitive.

Pkg Amt: > 1 mL

Storage: 10°C or colder

Ship: Ambient

511539
↓
51568
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%

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General Certified Reference Material Notes

Expiration Notes:

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Handling Notes:

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gravimetric



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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

Expiration Date:

September 30, 2025

Handling:

This product is photosensitive.

Pkg Amt: > 1 mL

Storage: 10°C or colder

Ship: Ambient

511539
↓
51568
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%

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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

Expiration Date:

September 30, 2025

Handling:

This product is photosensitive.

Pkg Amt: > 1 mL

Storage: 10°C or colder

Ship: Ambient

511539
↓
51568

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
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4	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.0 µg/mL	+/- 23.1406

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

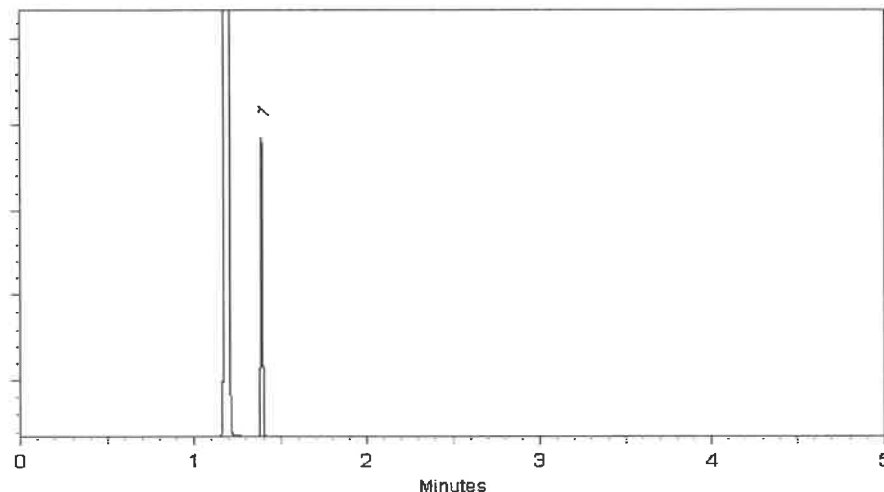
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



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.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
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.
- 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

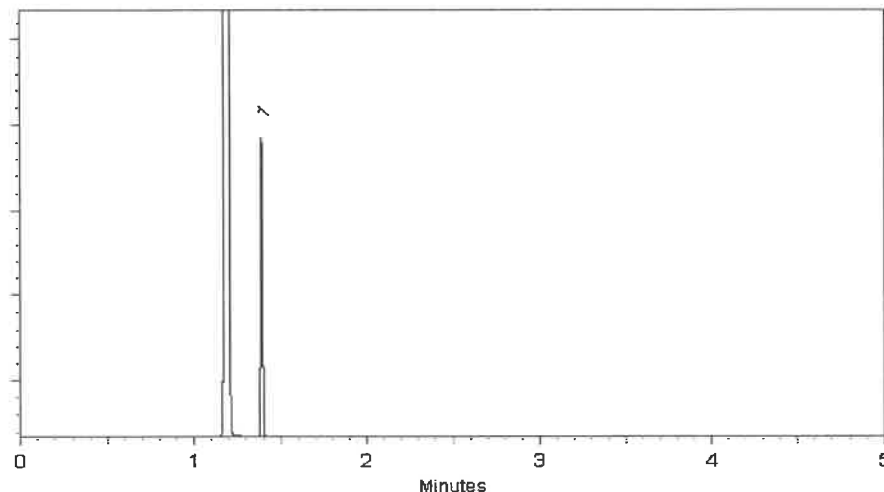
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



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.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
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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Purity Notes:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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Manufacturing Notes:

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Handling Notes:

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chromatographic plus



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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:

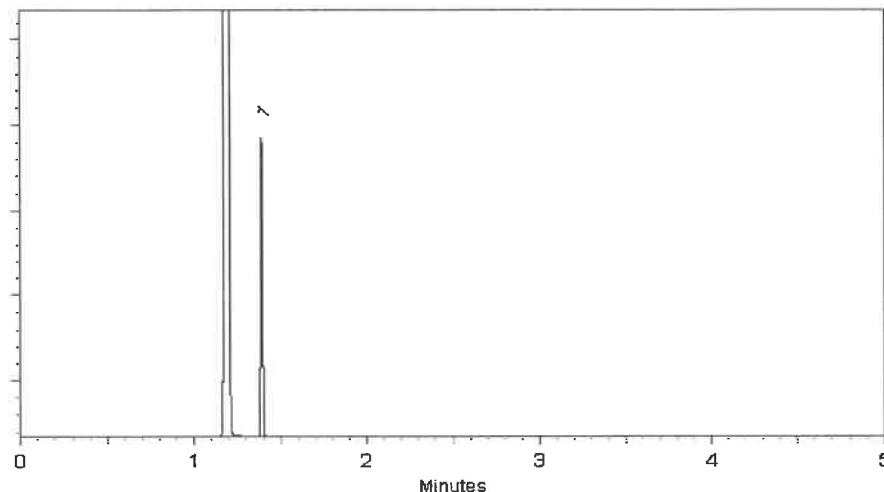
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



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Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015
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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:

- 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

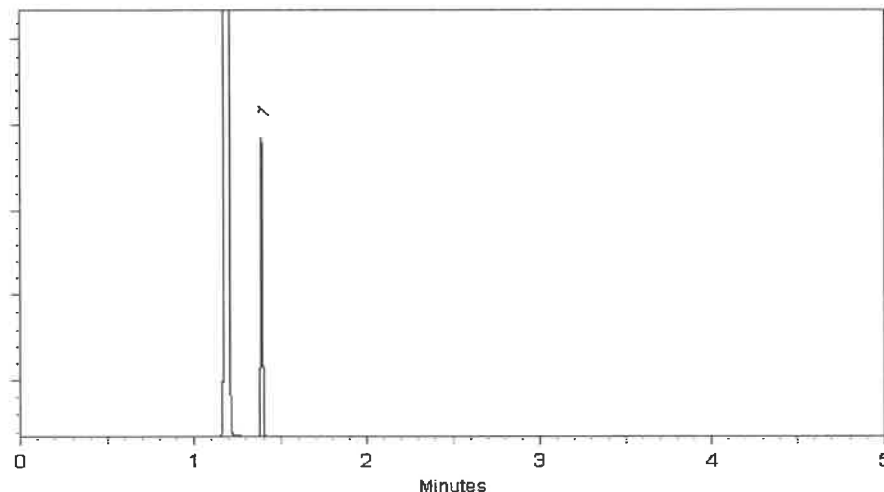
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



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.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
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.
- 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 0°C or colder
Ship: Ambient

S11749
↓
S11794 } RC / 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

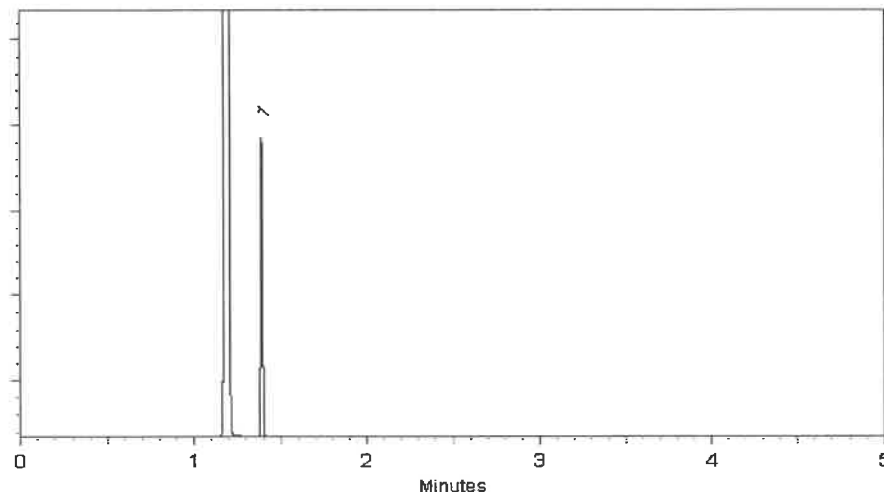
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



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.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
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.
- 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0201320

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

S12013
↓
S12042 } RC
12/26/23

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:

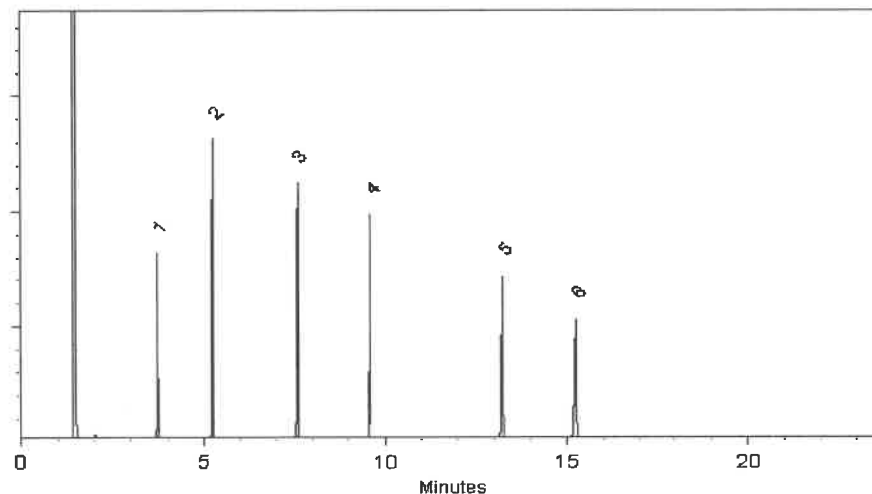
FID

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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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

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

S12013
↓
S12042 } RC
12/26/23

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:

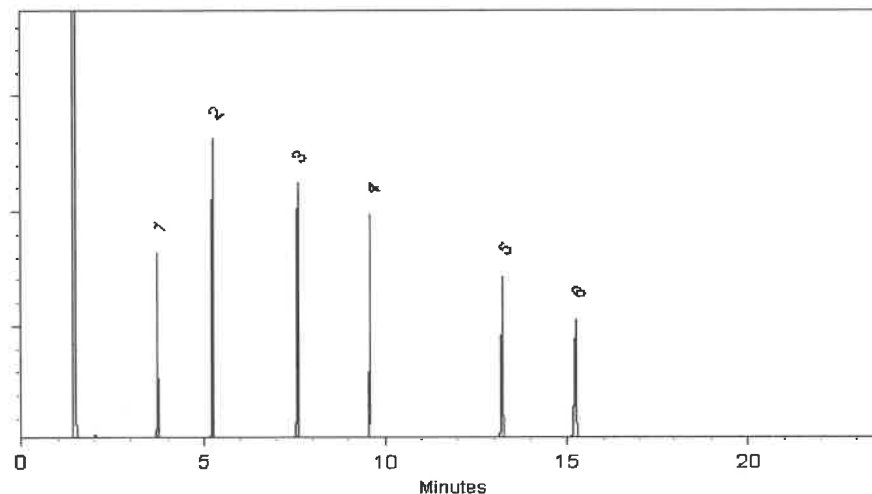
FID

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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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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

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

S12013
↓
S12042 } RC
12/26/23

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:

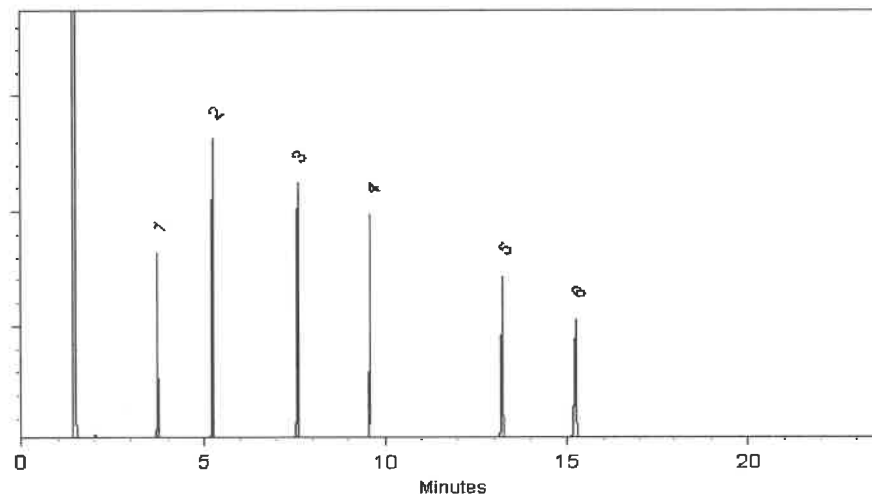
FID

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



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: _____

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Rev 0

Page 1 of 1

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

912075 } RC
↓
912079 } 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 gravimetrically.



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gravimetric



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

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%

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

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%

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



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Catalog No. : 555224 **Lot No.:** A0207706

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

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%

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



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



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

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

512082 } RC/
↓
512111 } 02/22/24

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%

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

John Friedline - Operations Technician I

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John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

Balance: B345965662



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Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

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512082 } RC/
↓
512111 } 02/22/24

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Manufactured under Restek's ISO 9001:2015
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John Friedline - Operations Technician I

Date Mixed: 12-Feb-2024

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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: _____

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Rev 0

Page 1 of 1

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

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

512112 } RC/
↓
912116 } 03/08/24

*Not a certified value

Certified By: _____

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 gravimetrically.



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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

512117 } RC/
↓ 03/18/24
512146 }

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	1
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998	2
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200	3
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573	4
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180	5
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574	6
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837	7
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290	8
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829	9
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937	10
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505	11
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838	12
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909	13
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442	14
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512	15
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230	16
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876	17
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	BCKK0887	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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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

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

512117 } RC/
↓ 03/18/24
512146 }

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	1
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180	2
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574	3
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837	4
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290	5
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829	6
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937	7
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505	8
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838	9
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909	10
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442	11
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512	12
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230	13
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876	14
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887	15
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265	16
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422	17
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	BCKK0887	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%



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



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

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

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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	1
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180	2
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574	3
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837	4
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290	5
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829	6
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937	7
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505	8
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838	9
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909	10
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442	11
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512	12
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230	13
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876	14
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887	15
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265	16
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422	17
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	BCKK0887	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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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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

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

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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	1
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998	2
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200	3
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573	4
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180	5
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574	6
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837	7
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290	8
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829	9
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937	10
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505	11
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838	12
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909	13
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442	14
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512	15
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230	16
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876	17
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	BCKK0887	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%



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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chromatographic plus



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

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

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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	1
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998	2
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200	3
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573	4
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180	5
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574	6
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837	7
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290	8
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829	9
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937	10
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505	11
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838	12
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909	13
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442	14
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512	15
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230	16
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876	17
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	BCKK0887	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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Fax: 1-814-353-1309

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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

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

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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	1
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180	2
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574	3
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837	4
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290	5
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829	6
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937	7
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505	8
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838	9
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909	10
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442	11
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512	12
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230	13
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876	14
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887	15
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265	16
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422	17
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	BCKK0887	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%



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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chromatographic plus



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

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

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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	1
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998	2
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200	3
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573	4
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180	5
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574	6
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837	7
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290	8
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829	9
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937	10
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505	11
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838	12
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909	13
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442	14
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512	15
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230	16
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876	17
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	BCKK0887	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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Fax: 1-814-353-1309

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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

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

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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	1
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180	2
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574	3
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837	4
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290	5
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829	6
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937	7
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505	8
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838	9
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909	10
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442	11
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512	12
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230	13
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876	14
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887	15
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265	16
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422	17
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	BCKK0887	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%



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



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

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

512117 } RC/
↓ 03/18/24
512146 }

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	1
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998	2
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200	3
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573	4
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180	5
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574	6
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837	7
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290	8
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829	9
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937	10
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505	11
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838	12
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909	13
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442	14
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512	15
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230	16
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876	17
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	BCKK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

512117 } RC/
↓ 03/18/24
512146 }

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	1
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180	2
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574	3
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837	4
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290	5
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829	6
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937	7
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505	8
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838	9
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909	10
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442	11
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512	12
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230	13
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876	14
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887	15
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265	16
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422	17
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	BCKK0887	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%



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



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 } RC/
↓
S12508 } 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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 } RC/
↓
S12508 } 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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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
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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

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Purity 99%

S12449 } RC/
↓ 7/24/24
S12508 }

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024

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Manufactured under Restek's ISO 9001:2015
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Description : Custom 8270 Plus Standard #1
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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Handling: This product is photosensitive. **Ship:** Ambient

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SHIPPING DOCUMENTS

- 1
- 2
- 3
- 4
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CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Jacobs
ADDRESS: 412 Mt Kable Ave Suite H100
CITY: Morrisbrown STATE: NJ ZIP: 07960
ATTENTION: John Yufante
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:

ANALYSIS

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 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☒ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMATVOCs 8260D
SVOCs 8260E
PAHs 8270E
Metals 6020B, Hg
Cr 6010G, Pb 6010A
Cu 6010G, Zn 6010A

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		A/E	F	B/E	E						
1.	717-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: 1. <u>[Signature]</u>	DATE/TIME: <u>8-16-24 1245</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP <u>2.9</u> °C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments: <u>See attached table for his required analytes list</u>
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.	

Page 1 of 1

CHEMTECH: ☒ Picked Up ☐ Field Sampling

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☒ YES ☐ NO

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

Table 3. Surface Water Target Analytes, Methods, Action Levels, and Control Limits
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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
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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)fluoranthene	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)fluoranthene	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	Fluoranthene	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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P3657	JACO05	Order Date : 8/16/2024 2:45:00 PM	Project Mgr :
Client Name : JACOBS Engineering Grou		Project Name : Former Schlumberger Site I	Report Type : Level 4
Client Contact : Mary I. Murphy		Receive DateTime : 8/16/2024 12:00:00 AM	EDD Type : CH2MHILL
Invoice Name : JACOBS Engineering Grou		Purchase Order : 12:45	Hard Copy Date :
Invoice Contact : Mary I. Murphy			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	

Relinquished By :

2M

Date / Time :

08-16-24 1524

Received By :

Sam

Date / Time :

8/16/24 15:27 ag # 4

Storage Area : VOA Refridgerator Room