

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071724\
 Data File : BP021037.D
 Acq On : 18 Jul 2024 05:46
 Operator : MA/JU
 Sample : P3215-15
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4D43

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 18 06:16:38 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Jul 18 06:13:40 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	225077	20.000	ng/u1	0.00
20) Naphthalene-d8	10.457	136	934164	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.310	164	613178	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.134	188	1222871	20.000	ng/u1	0.01
79) Chrysene-d12	21.586	240	1050706	20.000	ng/u1	# 0.02
88) Perylene-d12	24.904	264	1266423	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.240	96	14800	2.992	ng/uL	0.00
4) Pyridine-d5	3.664	84	38254	2.671	ng/u1	0.00
7) Phenol-d5	6.899	99	375784	20.479	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.040	67	238277	21.427	ng/u1	0.00
11) 2-Chlorophenol-d4	7.240	132	334206	22.105	ng/u1	0.00
15) 4-Methylphenol-d8	8.410	113	197959	12.989	ng/u1	0.01
21) Nitrobenzene-d5	8.846	128	171165	23.590	ng/u1	0.01
24) 2-Nitrophenol-d4	9.546	143	201239	24.232	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.104	165	338867	22.566	ng/u1	0.02
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/u1	
46) Dimethylphthalate-d6	13.722	166	1136293	25.492	ng/u1	0.00
49) Acenaphthylene-d8	14.004	160	1238994	24.754	ng/u1	0.00
54) 4-Nitrophenol-d4	14.598	143	140554m	22.162	ng/u1	0.02
60) Fluorene-d10	15.322	176	958478	26.210	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.487	200	103425	13.978	ng/u1	0.02
73) Anthracene-d10	17.222	188	1392302	25.634	ng/u1	0.00
81) Pyrene-d10	19.616	212	1108032	17.057	ng/u1	0.01
92) Benzo(a)pyrene-d12	24.674	264	727303	11.644	ng/u1	0.04
Target Compounds						
					Qvalue	
16) Acetophenone	8.516	105	23840	1.014	ng/u1	96
30) Naphthalene	10.499	128	65038	1.324	ng/u1	98
50) Acenaphthylene	14.028	152	210914	3.722	ng/u1	99
52) Acenaphthene	14.375	153	45614	1.213	ng/u1	96
61) Fluorene	15.387	166	62450	1.486	ng/u1	98
72) Phenanthrene	17.169	178	1374297	21.664	ng/u1	99
74) Anthracene	17.257	178	359218	5.554	ng/u1	99
77) Carbazole	17.563	167	149287	2.824	ng/u1	96
78) Di-n-butylphthalate	18.128	149	103950	1.425	ng/u1#	95
80) Fluoranthene	19.269	202	3466113	44.184	ng/u1	99
82) Pyrene	19.645	202	2015905	25.253	ng/u1	100
83) Butylbenzylphthalate	20.586	149	107116	3.221	ng/u1	88
85) Benzo(a)anthracene	21.563	228	1658889	22.538	ng/u1	95
86) Bis(2-ethylhexyl)phtha...	21.474	149	775378	16.200	ng/u1	99
87) Chrysene	21.633	228	2052812	30.015	ng/u1	96
90) Benzo(b)fluoranthene	23.857	252	3278936	42.665	ng/u1	96
91) Benzo(k)fluoranthene	23.910	252	1003252m	13.081	ng/u1	
93) Benzo(a)pyrene	24.751	252	731318	10.070	ng/u1#	90
94) Indeno(1,2,3-cd)pyrene	28.715	276	959749	10.256	ng/u1	96
95) Dibenzo(a,h)anthracene	28.751	278	439218m	5.668	ng/u1	
96) Benzo(g,h,i)perylene	29.862	276	125489m	1.647	ng/u1	

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

Instrument :

BNA_P

ClientSampleId :

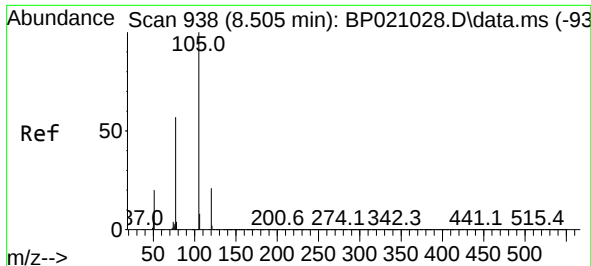
A4D43

Manual Integrations

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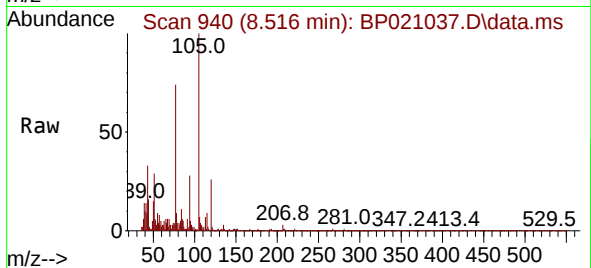
Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#16
Acetophenone
Concen: 1.014 ng/ul
RT: 8.516 min Scan# 940
Delta R.T. 0.012 min
Lab File: BP021037.D
Acq: 18 Jul 2024 05:46

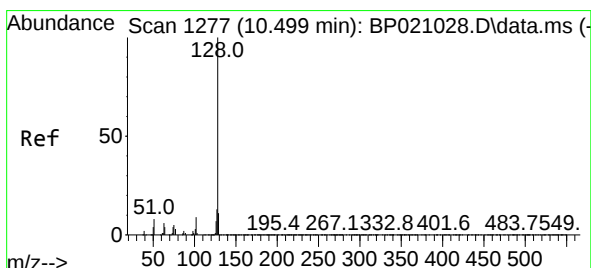
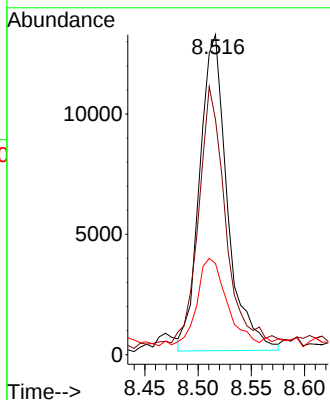
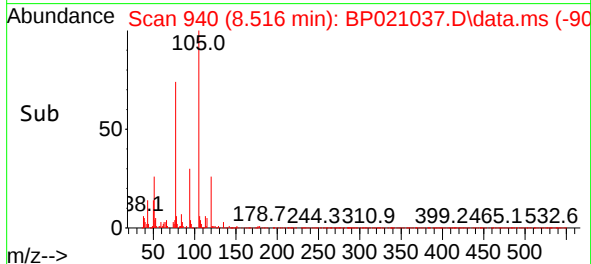
Instrument :
BNA_P
ClientSampleId :
A4D43



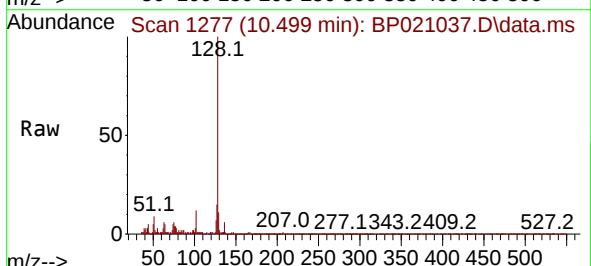
Tgt Ion:105 Resp: 23840
Ion Ratio Lower Upper
105 100
77 73.5 61.8 92.8
51 28.5 21.5 32.3

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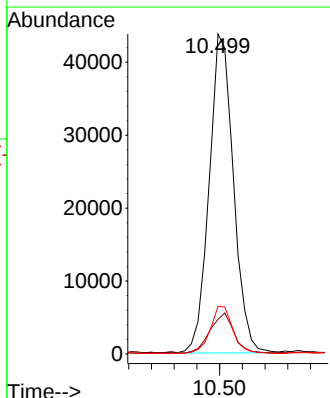
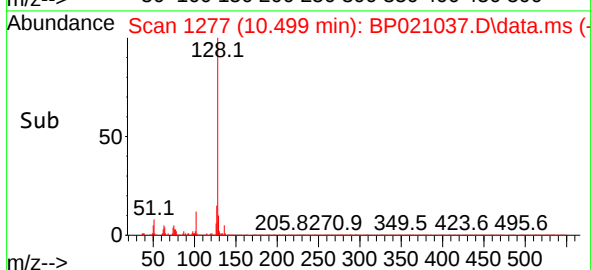
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024

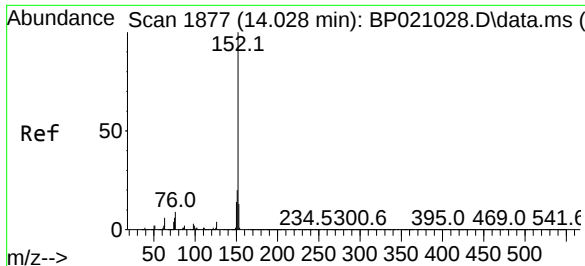


#30
Naphthalene
Concen: 1.324 ng/ul
RT: 10.499 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BP021037.D
Acq: 18 Jul 2024 05:46



Tgt Ion:128 Resp: 65038
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 14.9 10.8 16.2





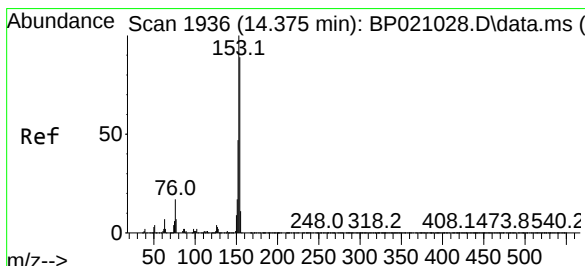
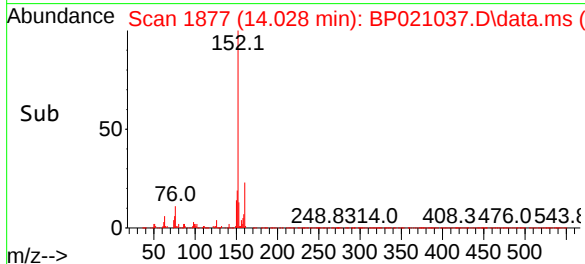
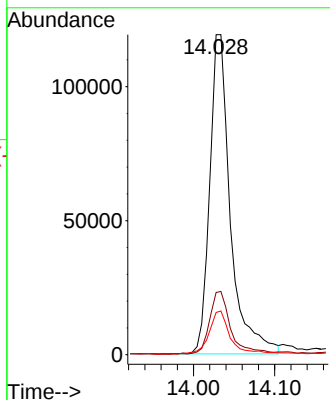
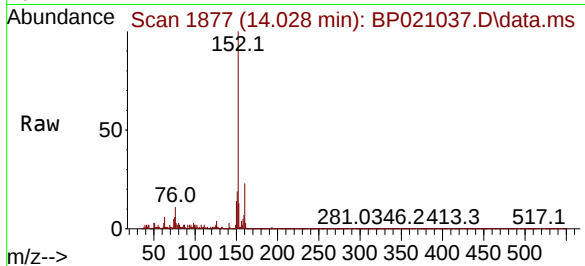
#50
Acenaphthylene
Concen: 3.722 ng/ul
RT: 14.028 min Scan# 1877
Delta R.T. -0.000 min
Lab File: BP021037.D
Acq: 18 Jul 2024 05:46

Instrument : BNA_P
ClientSampleId : A4D43

Tgt Ion:152 Resp: 210914
Ion Ratio Lower Upper
152 100
151 19.4 16.2 24.2
153 13.2 10.3 15.5

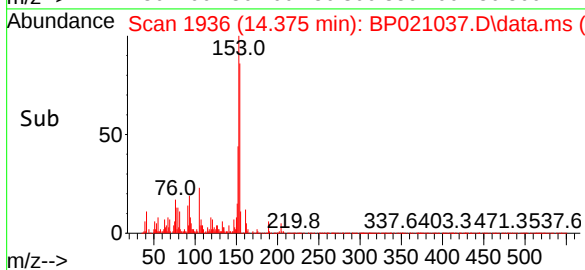
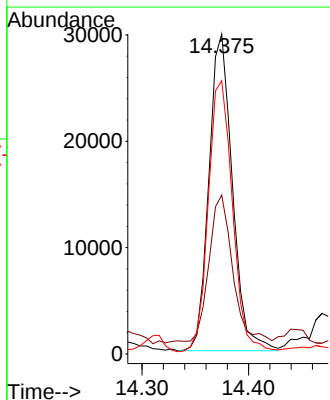
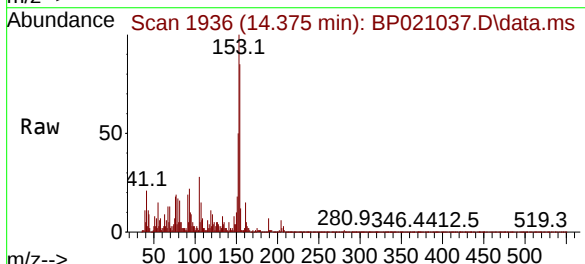
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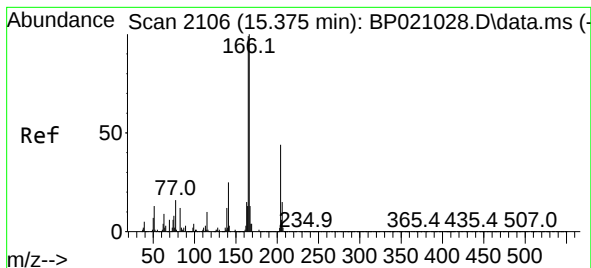
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#52
Acenaphthene
Concen: 1.213 ng/ul
RT: 14.375 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BP021037.D
Acq: 18 Jul 2024 05:46

Tgt Ion:153 Resp: 45614
Ion Ratio Lower Upper
153 100
152 49.7 37.8 56.6
154 85.4 71.8 107.6





#61

Fluorene

Concen: 1.486 ng/ul

RT: 15.387 min Scan# 2106

Delta R.T. 0.012 min

Lab File: BP021037.D

Acq: 18 Jul 2024 05:46

Instrument :

BNA_P

ClientSampleId :

A4D43

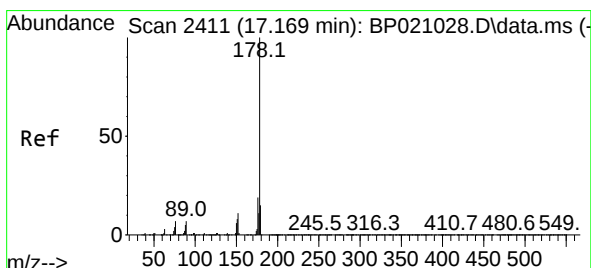
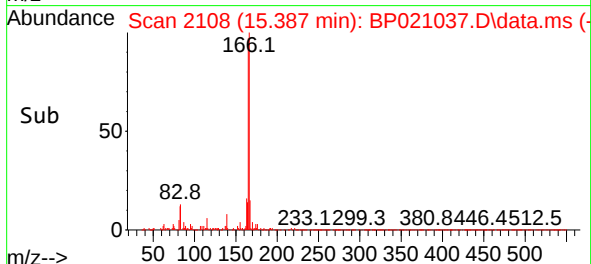
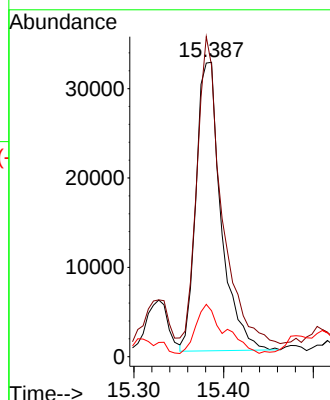
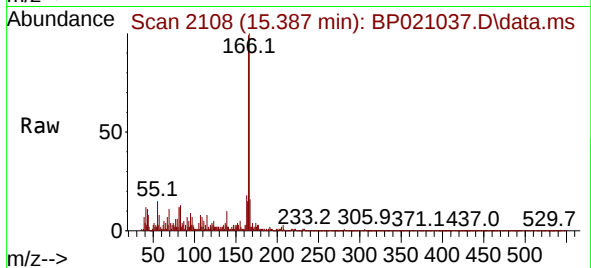
Tgt Ion:166	Resp: 62450
Ion Ratio	Lower Upper
166	100
165	98.8 78.1 117.1
167	15.6 10.9 16.3

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Supervised By :mohammad ahmed 07/19/2024



#72

Phenanthrene

Concen: 21.664 ng/ul

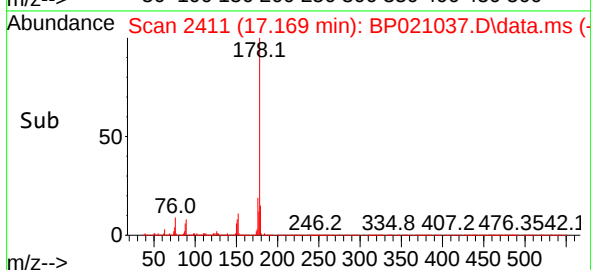
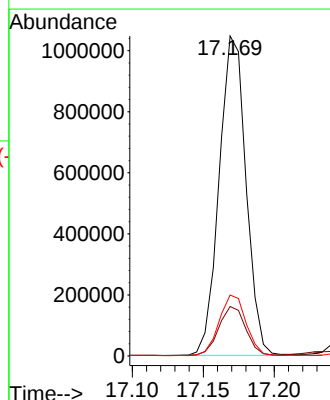
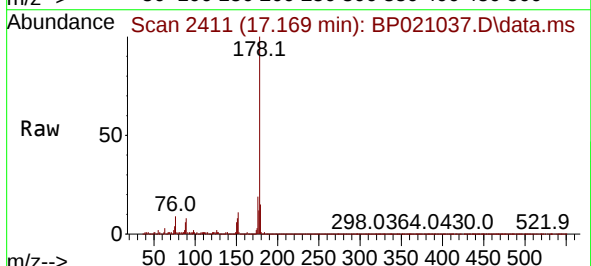
RT: 17.169 min Scan# 2411

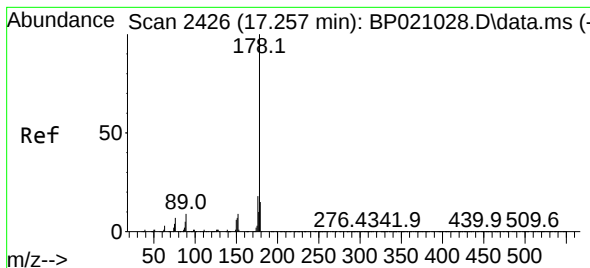
Delta R.T. -0.000 min

Lab File: BP021037.D

Acq: 18 Jul 2024 05:46

Tgt Ion:178	Resp: 1374297
Ion Ratio	Lower Upper
178	100
179	15.5 12.2 18.4
176	19.0 15.0 22.4





#74

Anthracene

Concen: 5.554 ng/ul

RT: 17.257 min Scan# 2426

Delta R.T. -0.000 min

Lab File: BP021037.D

Acq: 18 Jul 2024 05:46

Instrument :

BNA_P

ClientSampleId :

A4D43

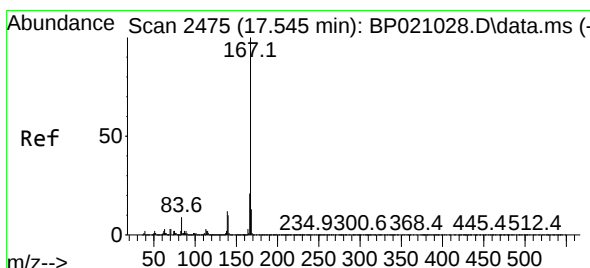
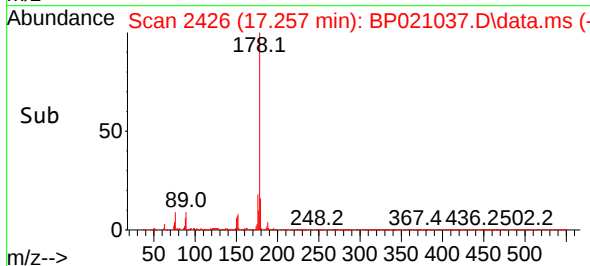
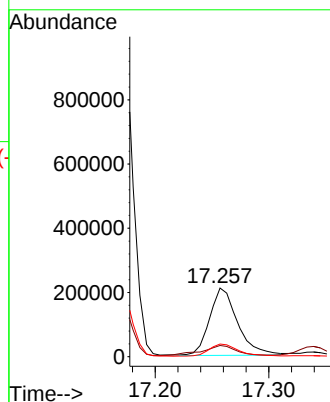
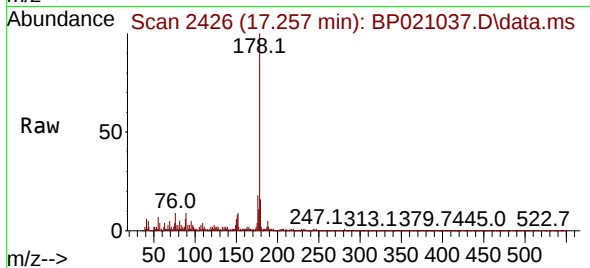
Tgt Ion:178	Resp: 359218
Ion Ratio	Lower Upper
178	100
179	16.4 12.5 18.7
176	18.3 14.8 22.2

Manual Integrations

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Supervised By :mohammad ahmed 07/19/2024



#77

Carbazole

Concen: 2.824 ng/ul

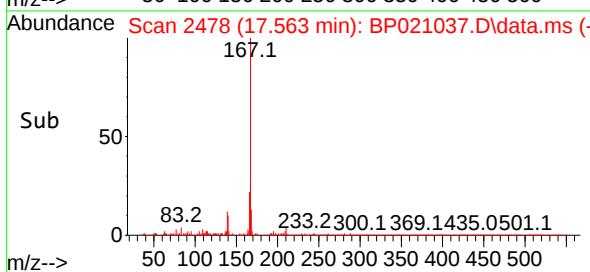
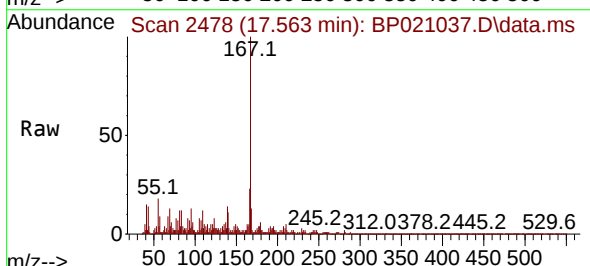
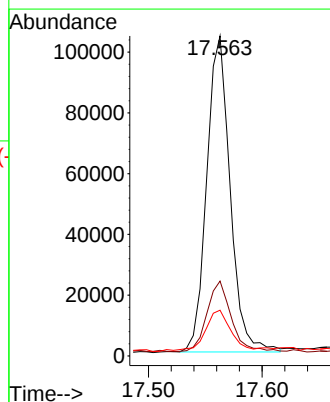
RT: 17.563 min Scan# 2478

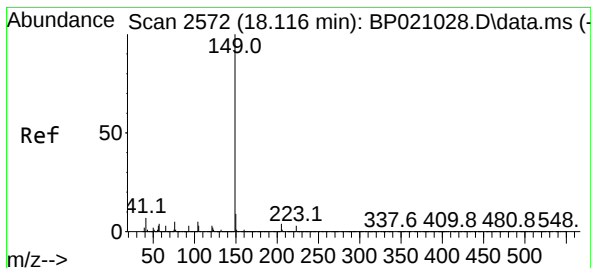
Delta R.T. 0.018 min

Lab File: BP021037.D

Acq: 18 Jul 2024 05:46

Tgt Ion:167	Resp: 149287
Ion Ratio	Lower Upper
167	100
166	23.4 17.3 25.9
139	14.3 10.2 15.2





#78

Di-n-butylphthalate

Concen: 1.425 ng/ul

RT: 18.128 min Scan# 2572

Delta R.T. 0.012 min

Lab File: BP021037.D

Acq: 18 Jul 2024 05:46

Instrument :

BNA_P

ClientSampleId :

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Tgt Ion:149 Resp: 103950

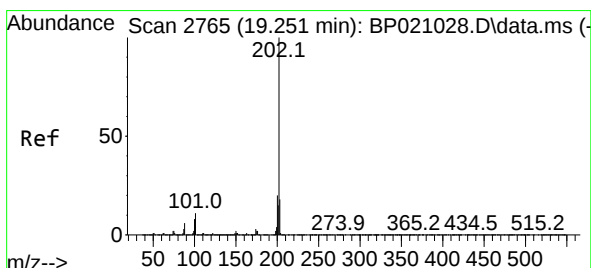
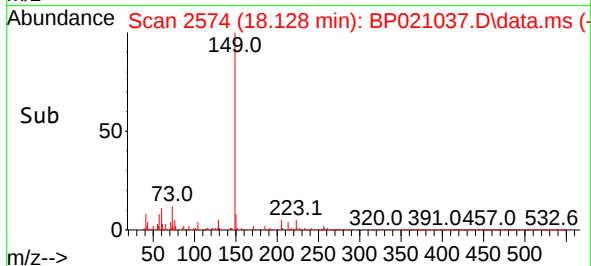
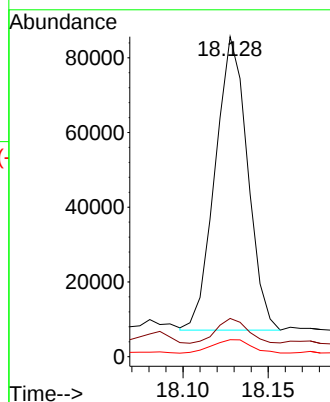
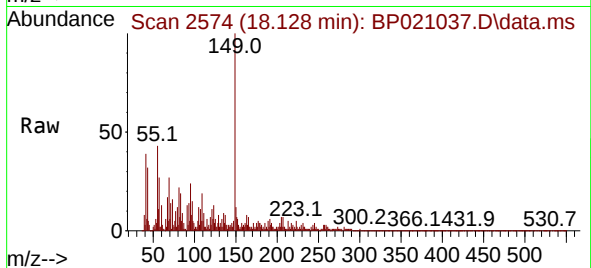
Ion	Ratio	Lower	Upper
149	100		
150	12.0	7.4	11.0
104	5.3	3.9	5.9

Manual Integrations

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Supervised By :mohammad ahmed 07/19/2024



#80

Fluoranthene

Concen: 44.184 ng/ul

RT: 19.269 min Scan# 2768

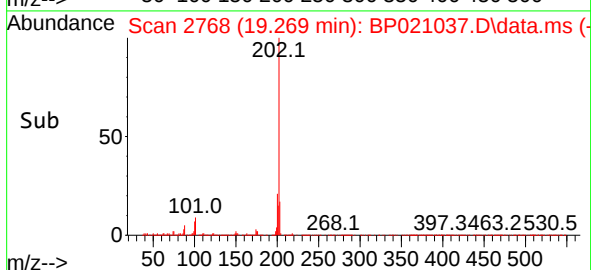
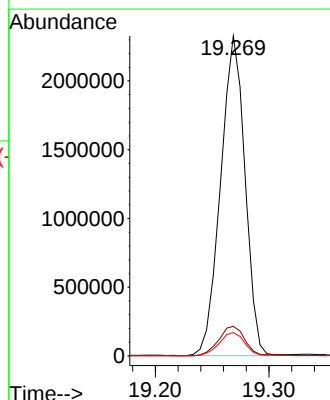
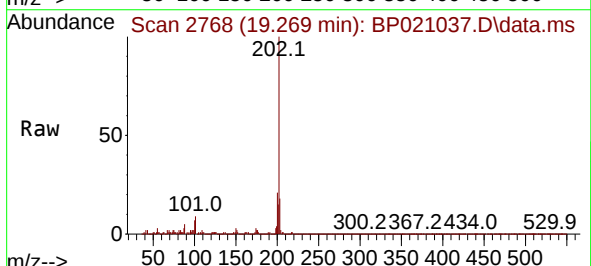
Delta R.T. 0.018 min

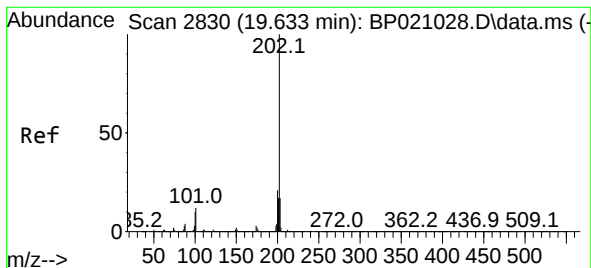
Lab File: BP021037.D

Acq: 18 Jul 2024 05:46

Tgt Ion:202 Resp: 3466113

Ion	Ratio	Lower	Upper
202	100		
101	9.3	8.0	12.0
100	7.3	6.1	9.1





#82

Pyrene

Concen: 25.253 ng/ul

RT: 19.645 min Scan# 2832

Delta R.T. 0.012 min

Lab File: BP021037.D

Acq: 18 Jul 2024 05:46

Instrument :

BNA_P

ClientSampleId :

A4D43

Tgt Ion:202 Resp: 201590

Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.2

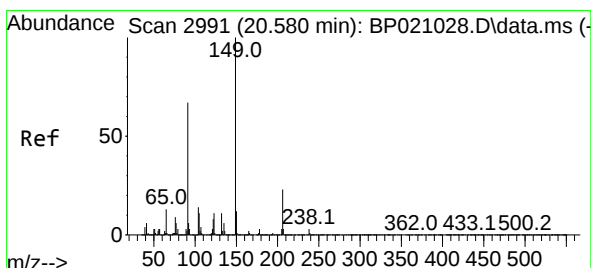
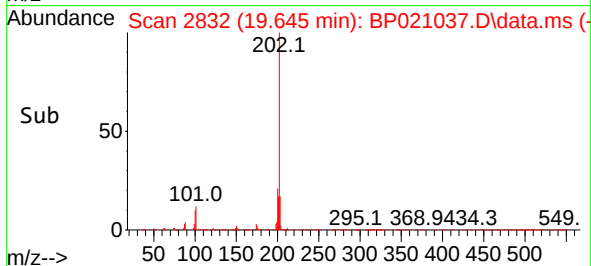
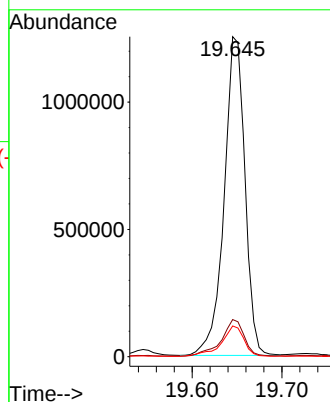
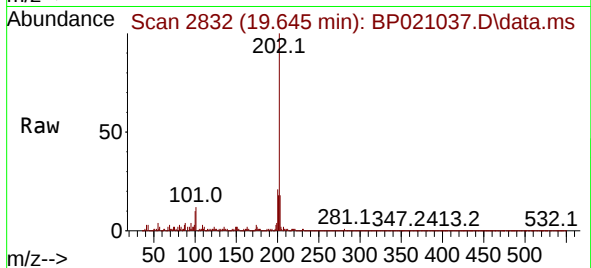
100 9.6 7.8 11.6

Manual Integrations

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Supervised By :mohammad ahmed 07/19/2024



#83

Butylbenzylphthalate

Concen: 3.221 ng/ul

RT: 20.586 min Scan# 2992

Delta R.T. 0.006 min

Lab File: BP021037.D

Acq: 18 Jul 2024 05:46

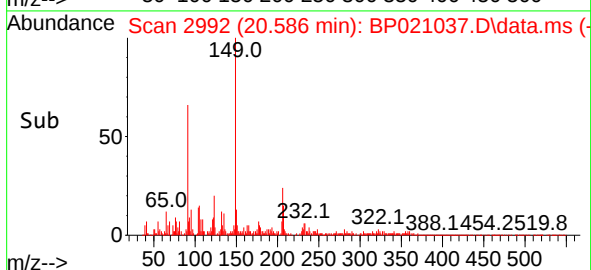
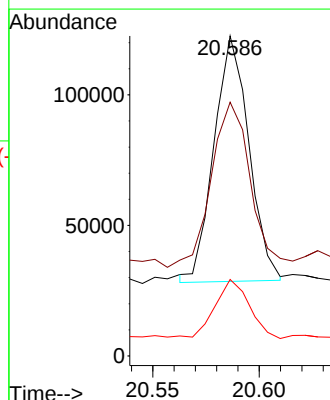
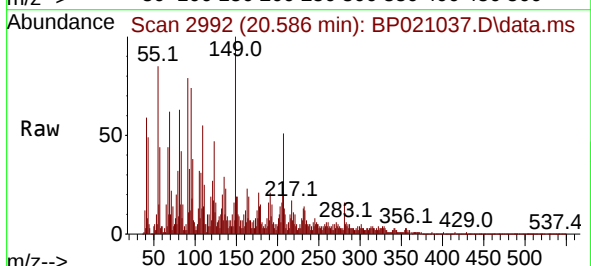
Tgt Ion:149 Resp: 107116

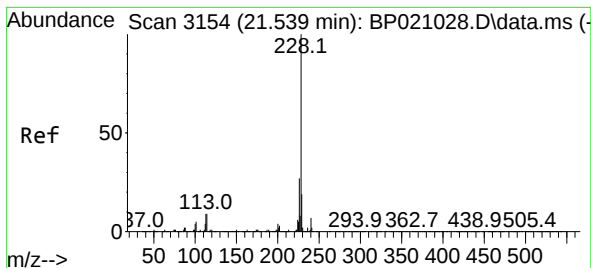
Ion Ratio Lower Upper

149 100

91 79.3 54.1 81.1

206 23.9 17.0 25.6





#85

Benzo(a)anthracene

Concen: 22.538 ng/ul

RT: 21.563 min Scan# 3158

Delta R.T. 0.023 min

Lab File: BP021037.D

Acq: 18 Jul 2024 05:46

Instrument :

BNA_P

ClientSampleId :

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Tgt Ion:228 Resp: 1658889

Ion Ratio Lower Upper

228 100

229 21.7 15.5 23.3

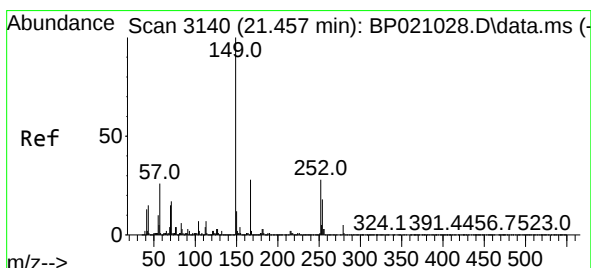
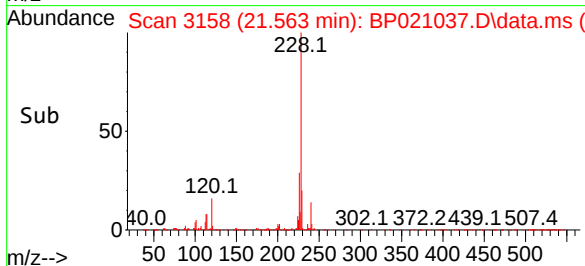
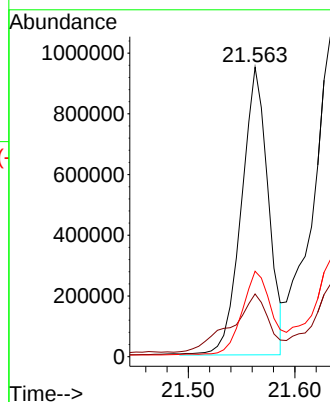
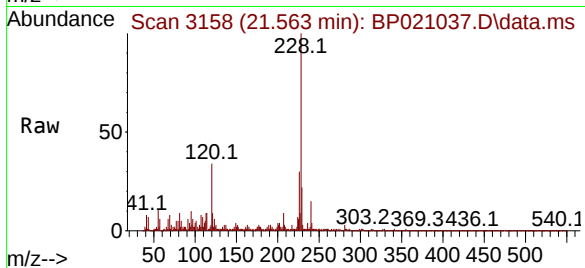
226 29.5 21.4 32.2

Manual Integrations

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Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 16.200 ng/ul

RT: 21.474 min Scan# 3143

Delta R.T. 0.018 min

Lab File: BP021037.D

Acq: 18 Jul 2024 05:46

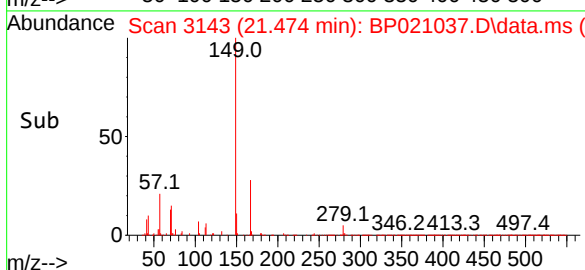
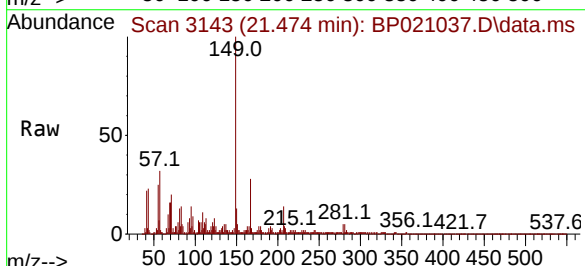
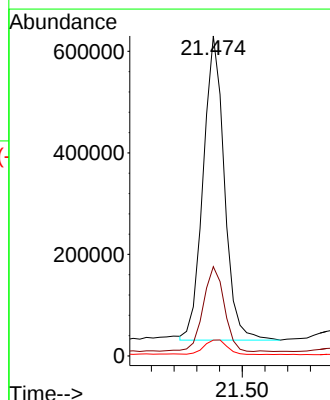
Tgt Ion:149 Resp: 775378

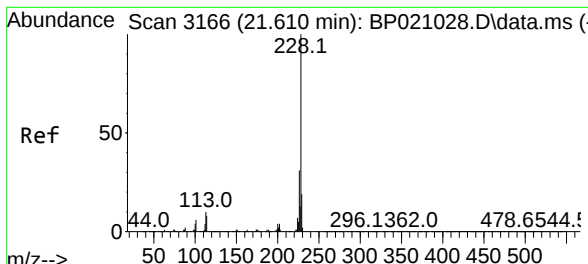
Ion Ratio Lower Upper

149 100

167 27.9 22.1 33.1

279 5.0 3.7 5.5





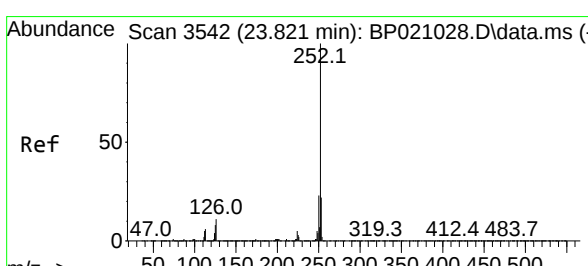
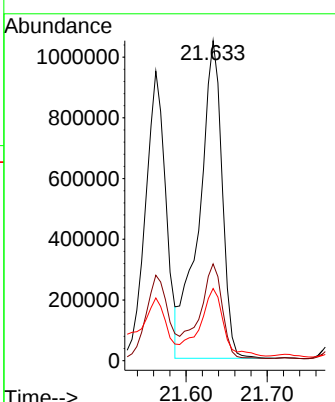
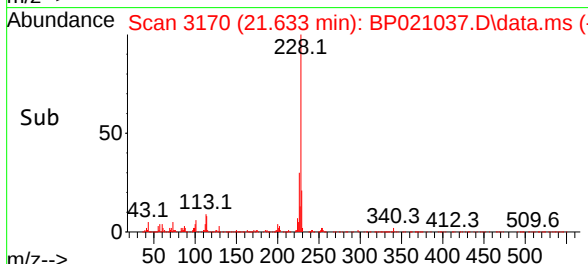
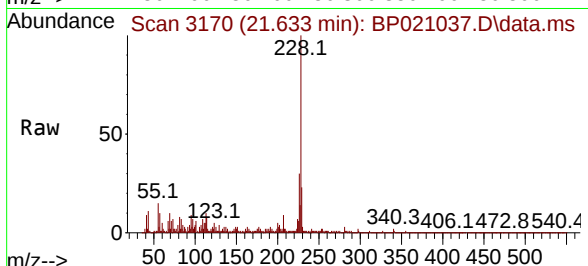
#87
 Chrysene
 Concen: 30.015 ng/u1
 RT: 21.633 min Scan# 3166
 Delta R.T. 0.023 min
 Lab File: BP021037.D
 Acq: 18 Jul 2024 05:46

Instrument : BNA_P
 Client Sample Id : A4D43

Tgt Ion: 228 Resp: 205281

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.6	35.4
229	22.5	15.5	23.3

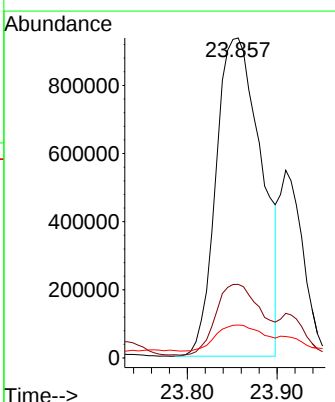
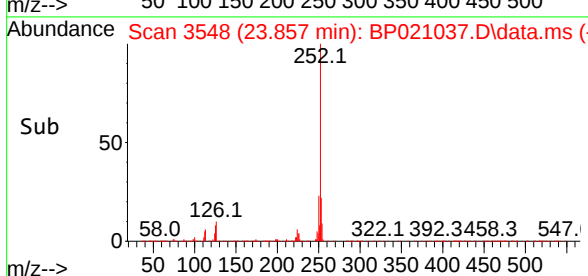
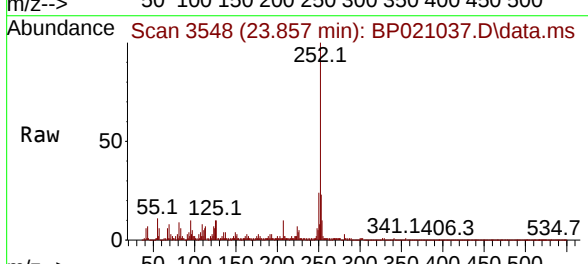
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 Reviewed By : Yogesh Patel 07/18/2024
 Supervised By : mohammad ahmed 07/19/2024

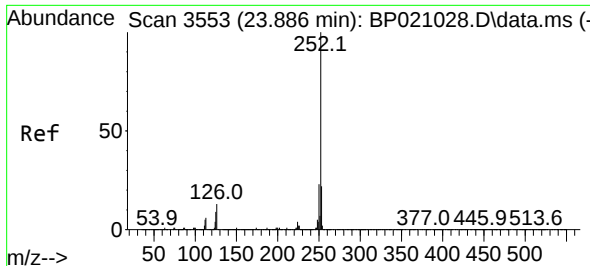


#90
 Benzo(b)fluoranthene
 Concen: 42.665 ng/u1
 RT: 23.857 min Scan# 3548
 Delta R.T. 0.035 min
 Lab File: BP021037.D
 Acq: 18 Jul 2024 05:46

Tgt Ion: 252 Resp: 3278936

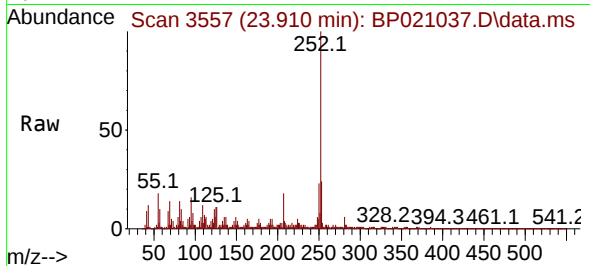
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	10.3	7.0	10.4





#91
Benzo(k)fluoranthene
Concen: 13.081 ng/ul m
RT: 23.910 min Scan# 31
Delta R.T. 0.023 min
Lab File: BP021037.D
Acq: 18 Jul 2024 05:46

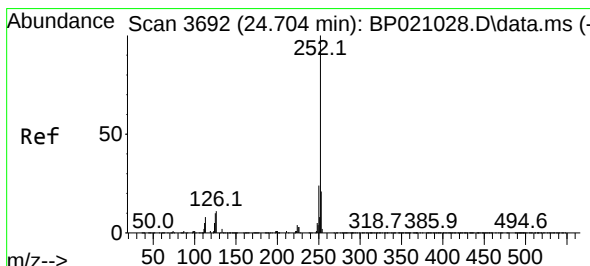
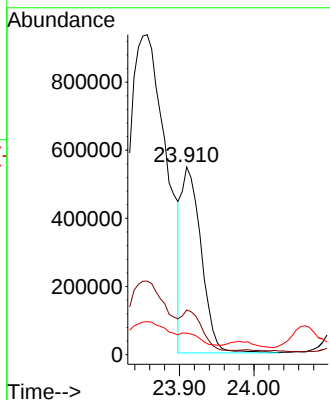
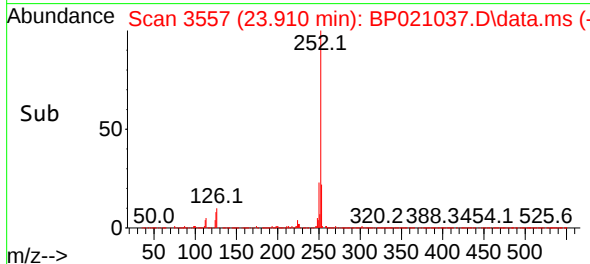
Instrument :
BNA_P
ClientSampleId :
A4D43



Tgt Ion:252 Resp: 1003252
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 11.4 7.4 11.0

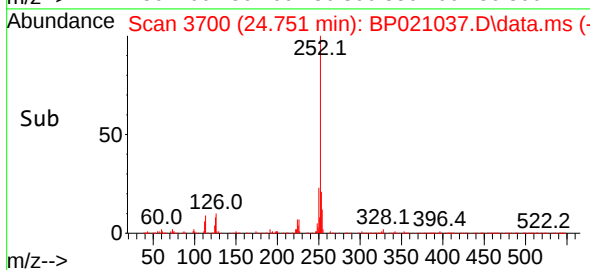
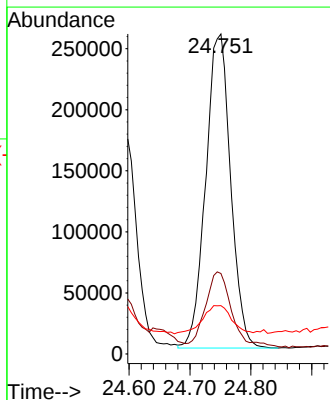
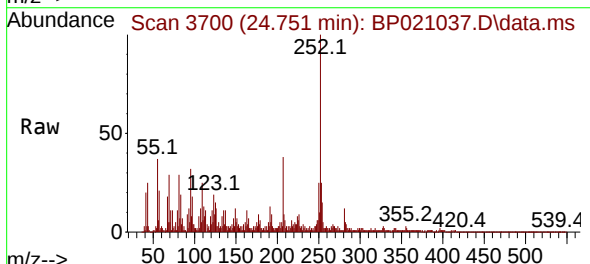
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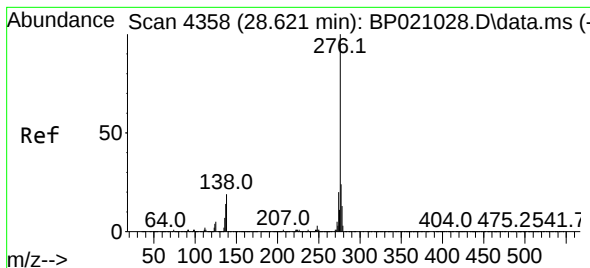
Reviewed By :Yogesh Patel 07/18/2024
Supervised By :mohammad ahmed 07/19/2024



#93
Benzo(a)pyrene
Concen: 10.070 ng/ul
RT: 24.751 min Scan# 3700
Delta R.T. 0.047 min
Lab File: BP021037.D
Acq: 18 Jul 2024 05:46

Tgt Ion:252 Resp: 731318
Ion Ratio Lower Upper
252 100
253 25.2 17.4 26.0
125 15.1 7.7 11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 10.256 ng/ul

RT: 28.715 min Scan# 4358

Delta R.T. 0.094 min

Lab File: BP021037.D

Acq: 18 Jul 2024 05:46

Instrument :

BNA_P

ClientSampleId :

A4D43

Tgt Ion:276 Resp: 959749

Ion Ratio Lower Upper

276 100

138 18.7 14.3 21.5

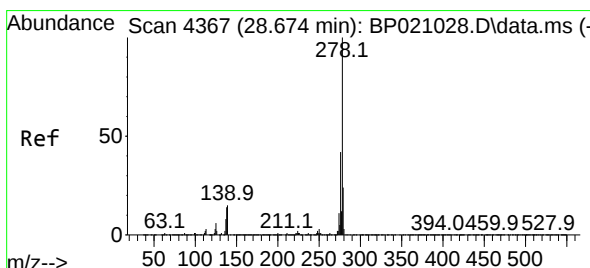
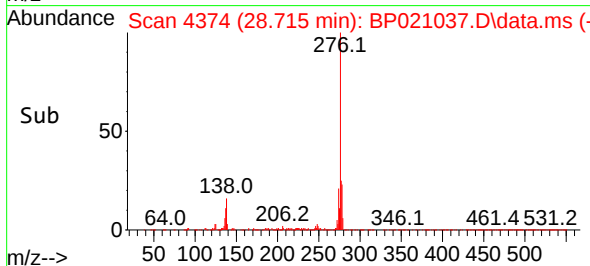
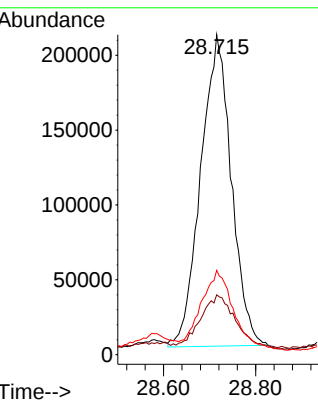
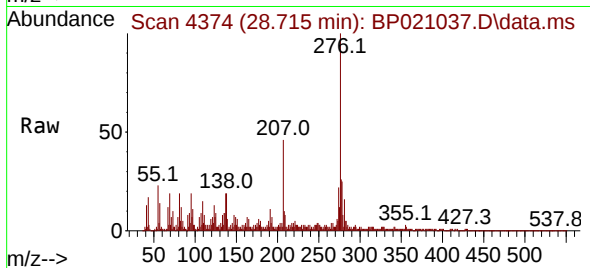
277 26.4 19.2 28.8

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Reviewed By :Yogesh Patel 07/18/2024

Supervised By :mohammad ahmed 07/19/2024



#95

Dibenzo(a,h)anthracene

Concen: 5.668 ng/ul m

RT: 28.751 min Scan# 4380

Delta R.T. 0.076 min

Lab File: BP021037.D

Acq: 18 Jul 2024 05:46

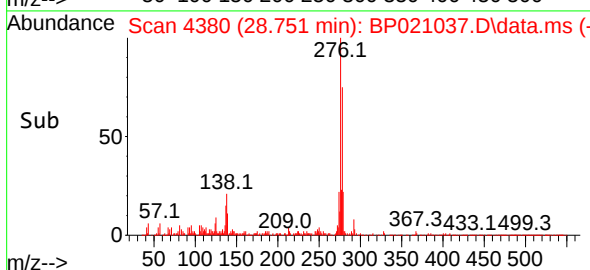
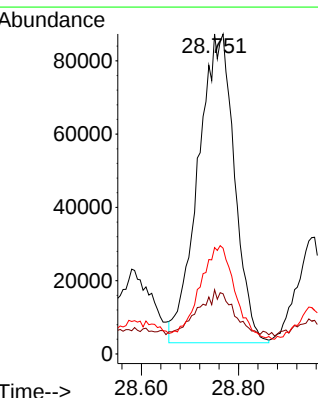
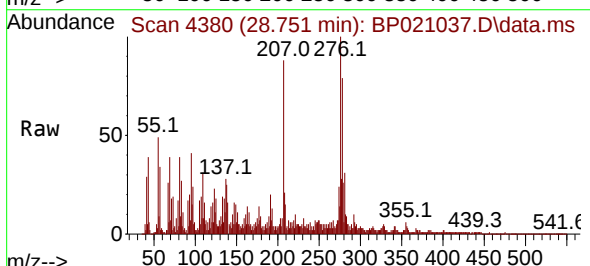
Tgt Ion:278 Resp: 439218

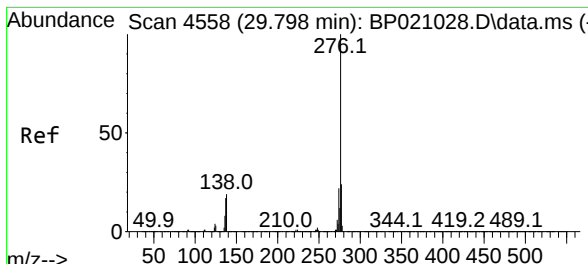
Ion Ratio Lower Upper

278 100

139 20.0 10.9 16.3#

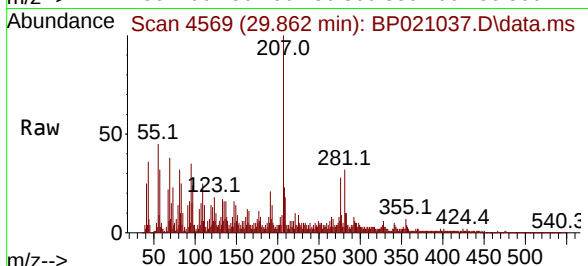
279 33.3 19.4 29.0#





#96
 Benzo(g,h,i)perylene
 Concen: 1.647 ng/ul m
 RT: 29.862 min Scan# 4569
 Delta R.T. 0.065 min
 Lab File: BP021037.D
 Acq: 18 Jul 2024 05:46

Instrument :
 BNA_P
 ClientSampleId :
 A4D43



Tgt Ion: 276 Resp: 125489
 Ion Ratio Lower Upper
 276 100
 138 29.2 15.3 22.9
 277 32.7 18.2 27.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/18/2024
 Supervised By :mohammad ahmed 07/19/2024

