

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
 Data File : BP021408.D
 Acq On : 07 Aug 2024 04:38
 Operator : CG/JU
 Sample : P3329-04DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 F7E03DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024

Quant Time: Aug 07 05:22:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 29 12:46:18 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.616	152	157385	20.000	ng/u1	-0.02
20) Naphthalene-d8	10.381	136	681843	20.000	ng/u1	-0.01
38) Acenaphthene-d10	14.263	164	466233	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.086	188	1064167	20.000	ng/u1	0.00
79) Chrysene-d12	21.527	240	1117173	20.000	ng/u1	0.00
88) Perylene-d12	24.809	264	1329996	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.158	96	1897	0.548	ng/uL	-0.02
4) Pyridine-d5	3.622	84	22198m	2.217	ng/u1	0.03
7) Phenol-d5	6.910	99	27576	2.149	ng/u1	0.06
9) Bis-(2-Chloroethyl)eth...	6.987	67	18921	2.433	ng/u1	0.00
11) 2-Chlorophenol-d4	7.210	132	29481	2.789	ng/u1	0.03
15) 4-Methylphenol-d8	8.404	113	32425m	3.043	ng/u1	0.04
21) Nitrobenzene-d5	8.810	128	12140m	2.292	ng/u1	0.02
24) 2-Nitrophenol-d4	9.510	143	15701	2.590	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.110	165	30712	2.802	ng/u1	0.06
31) 4-Chloroaniline-d4	10.587	131	41530m	2.860	ng/u1	0.03
46) Dimethylphthalate-d6	13.675	166	114986	3.393	ng/u1	0.00
49) Acenaphthylene-d8	13.957	160	120183	3.158	ng/u1	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/u1	
60) Fluorene-d10	15.281	176	102861	3.699	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.516	200	6821m	1.059	ng/u1	0.05
73) Anthracene-d10	17.186	188	162181	3.431	ng/u1	0.00
81) Pyrene-d10	19.574	212	209792	3.037	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.592	264	228840	3.489	ng/u1	0.00
Target Compounds						
					Qvalue	
26) 2,4-Dimethylphenol	9.640	107	18022m	1.446	ng/u1	
30) Naphthalene	10.440	128	11579103	322.848	ng/u1	99
36) 2-Methylnaphthalene	12.051	142	1817789	73.836	ng/u1	98
37) 1-Methylnaphthalene	12.269	142	808481	31.930	ng/u1	98
43) 1,1'-Biphenyl	13.087	154	519166	15.237	ng/u1	99
50) Acenaphthylene	13.986	152	107565	2.496	ng/u1#	95
52) Acenaphthene	14.322	153	1480007	51.750	ng/u1	100
56) Dibenzofuran	14.675	168	1761814	44.986	ng/u1	98
61) Fluorene	15.339	166	1800528	56.340	ng/u1	99
72) Phenanthrene	17.133	178	7086289	128.364	ng/u1	99
74) Anthracene	17.227	178	3028162	53.806	ng/u1	99
77) Carbazole	17.527	167	1599977	34.777	ng/u1	100
80) Fluoranthene	19.227	202	4601405	55.166	ng/u1	100
82) Pyrene	19.604	202	3155052	37.172	ng/u1	98
85) Benzo(a)anthracene	21.510	228	1075594	13.744	ng/u1	98
87) Chrysene	21.568	228	835393	11.488	ng/u1	96
90) Benzo(b)fluoranthene	23.786	252	566269	7.016	ng/u1	97
91) Benzo(k)fluoranthene	23.845	252	218304	2.710	ng/u1	96
93) Benzo(a)pyrene	24.662	252	346540	4.544	ng/u1#	93
94) Indeno(1,2,3-cd)pyrene	28.597	276	101099	1.029	ng/u1#	91
96) Benzo(g,h,i)perylene	29.762	276	81040m	1.012	ng/u1	

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

Instrument :

BNA_P

ClientSampleId :

F7E03DL

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024

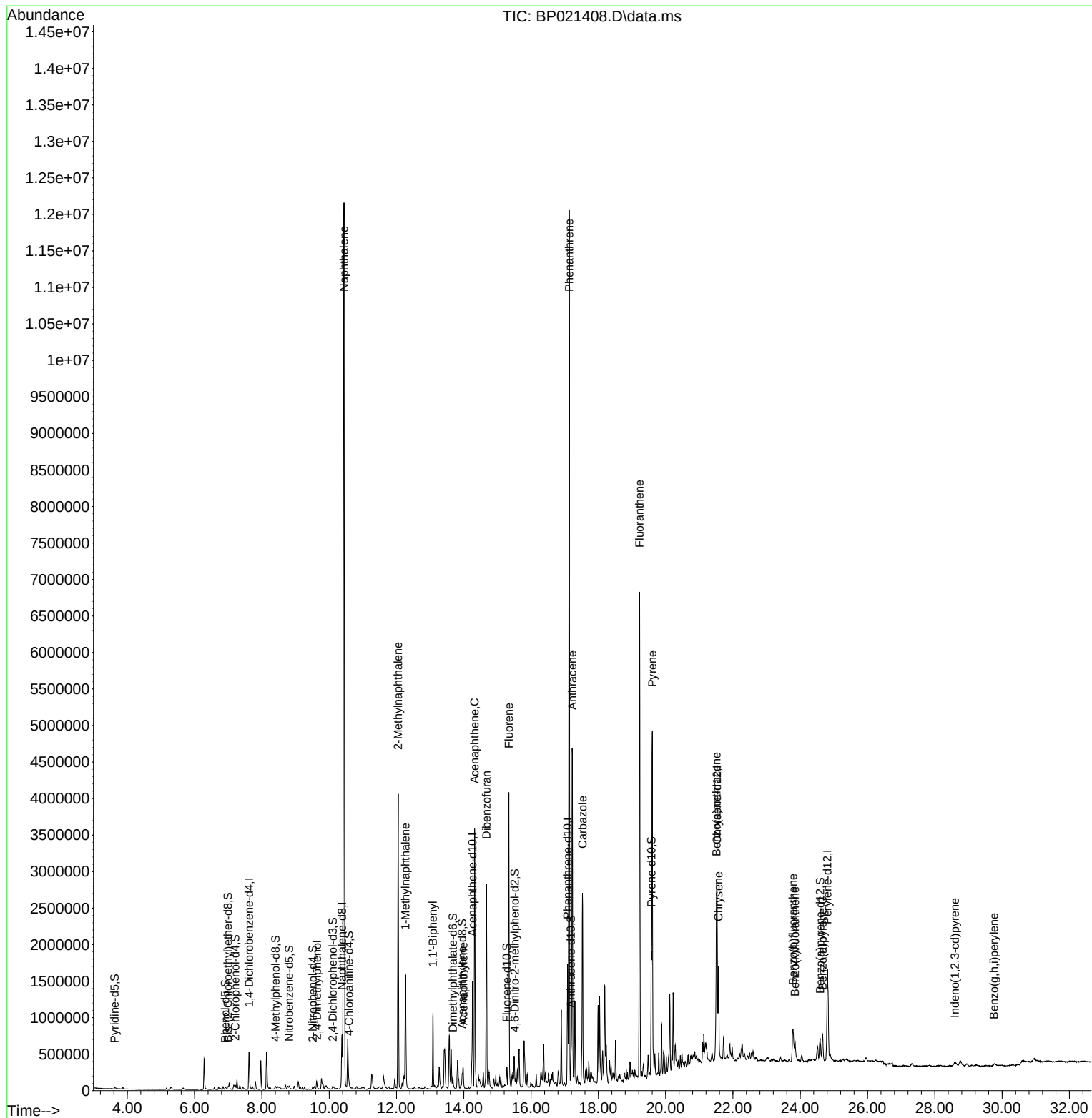
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080624\
Data File : BP021408.D
Acq On : 07 Aug 2024 04:38
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Sample : P3329-04DL 10X
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ALS Vial : 19 Sample Multiplier: 1

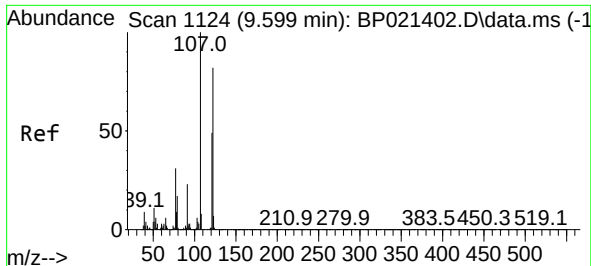
Instrument :
BNA_P
ClientSampleId :
F7E03DL

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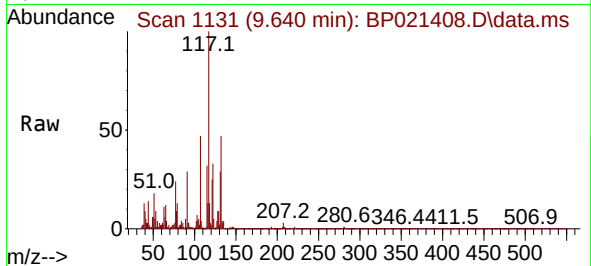
Quant Time: Aug 07 05:22:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 29 12:46:18 2024
Response via : Initial Calibration





#26
2,4-Dimethylphenol
Concen: 1.446 ng/ul m
RT: 9.640 min Scan# 1124
Delta R.T. 0.036 min
Lab File: BP021408.D
Acq: 07 Aug 2024 04:38

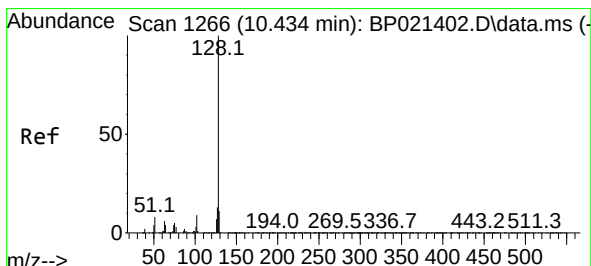
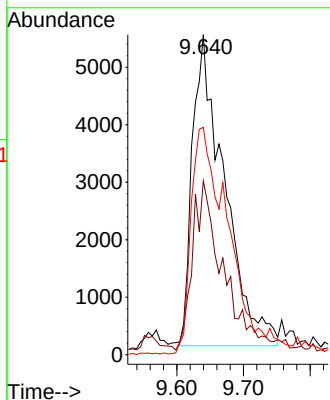
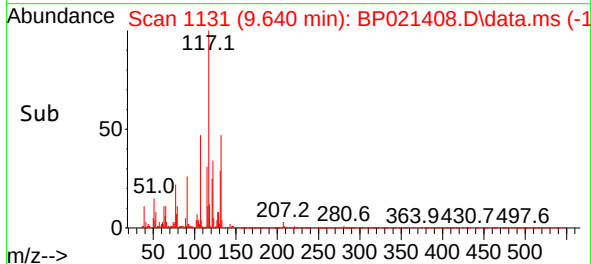
Instrument :
BNA_P
ClientSampleId :
F7E03DL



Tgt Ion:107 Resp: 1802
Ion Ratio Lower Upper
107 100
121 54.3 39.6 59.4
122 71.1 66.3 99.5

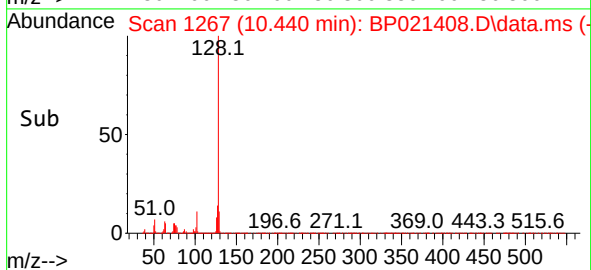
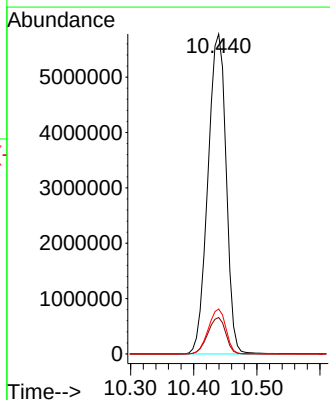
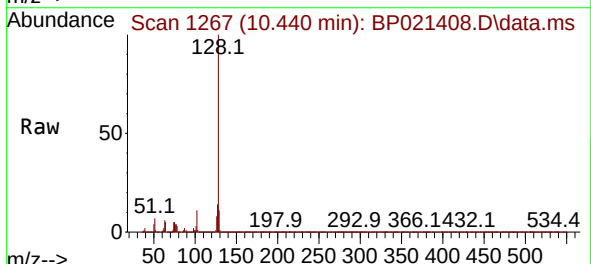
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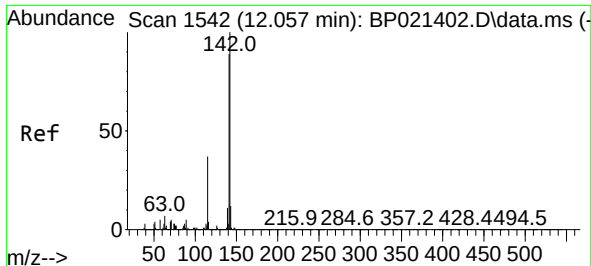
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#30
Naphthalene
Concen: 322.848 ng/ul
RT: 10.440 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BP021408.D
Acq: 07 Aug 2024 04:38

Tgt Ion:128 Resp:11579103
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 14.0 10.8 16.2





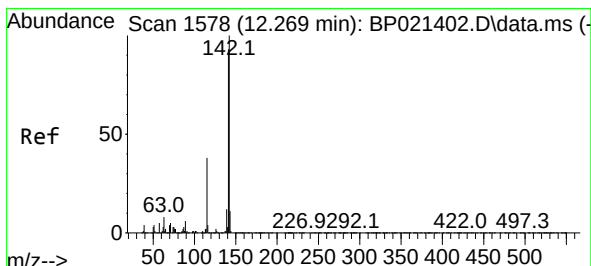
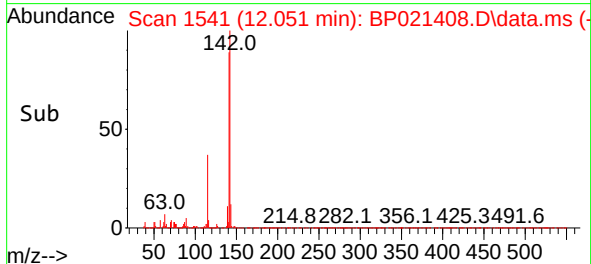
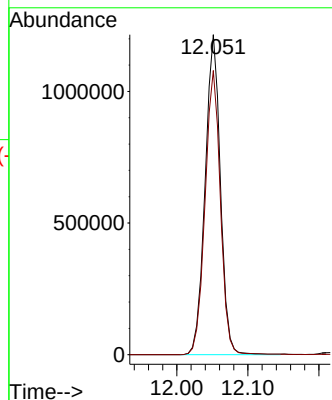
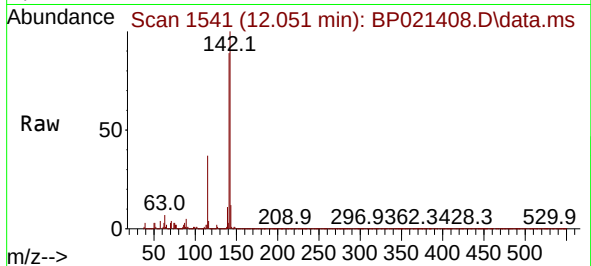
#36
2-Methylnaphthalene
Concen: 73.836 ng/ul
RT: 12.051 min Scan# 1542
Delta R.T. -0.017 min
Lab File: BP021408.D
Acq: 07 Aug 2024 04:38

Instrument :
BNA_P
ClientSampleId :
F7E03DL

Tgt Ion:142 Resp: 1817789
Ion Ratio Lower Upper
142 100
141 88.8 72.6 108.8

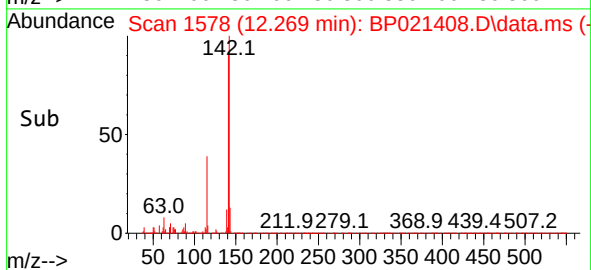
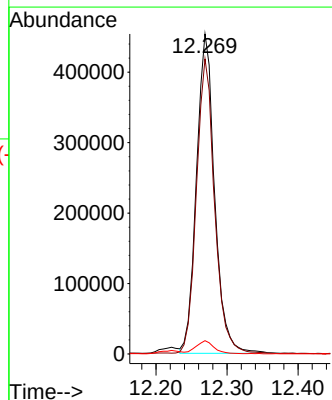
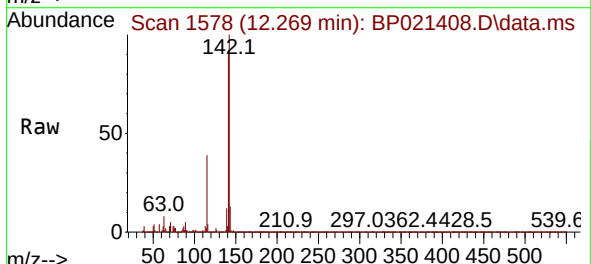
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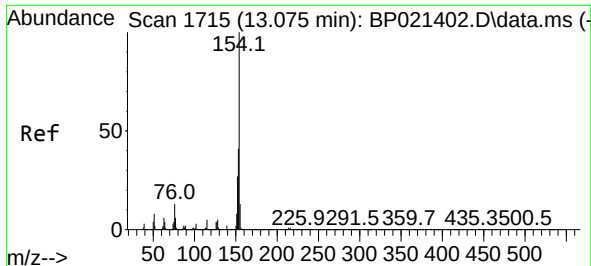
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#37
1-Methylnaphthalene
Concen: 31.930 ng/ul
RT: 12.269 min Scan# 1578
Delta R.T. -0.023 min
Lab File: BP021408.D
Acq: 07 Aug 2024 04:38

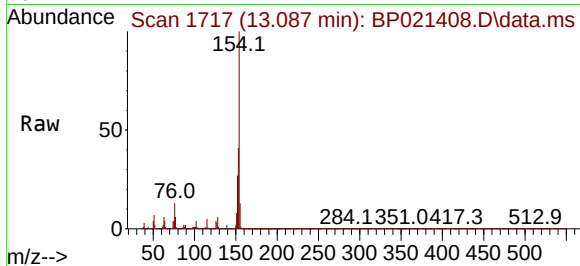
Tgt Ion:142 Resp: 808481
Ion Ratio Lower Upper
142 100
141 92.2 75.0 112.6
116 4.2 3.2 4.8





#43
1,1'-Biphenyl
Concen: 15.237 ng/ul
RT: 13.087 min Scan# 1715
Delta R.T. 0.000 min
Lab File: BP021408.D
Acq: 07 Aug 2024 04:38

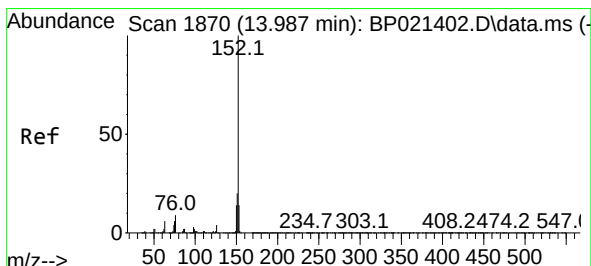
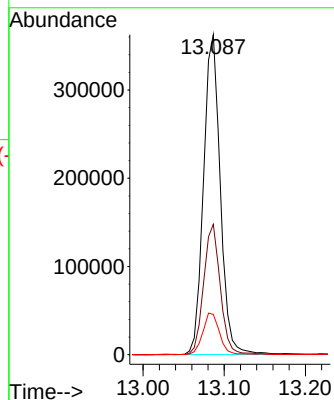
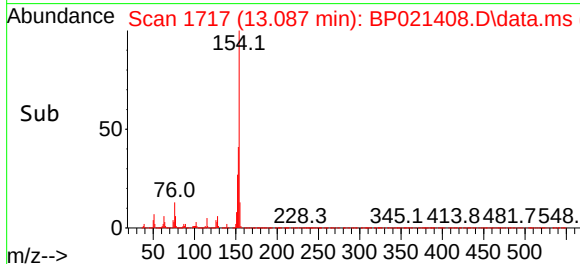
Instrument :
BNA_P
ClientSampleId :
F7E03DL



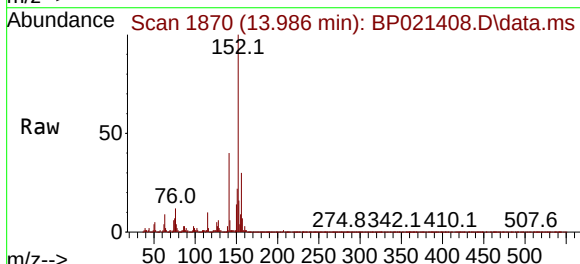
Tgt Ion:154 Resp: 519160
Ion Ratio Lower Upper
154 100
153 40.8 32.7 49.1
76 12.6 9.4 14.2

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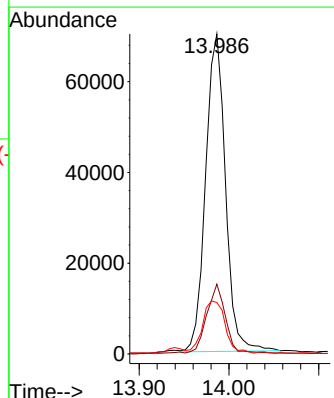
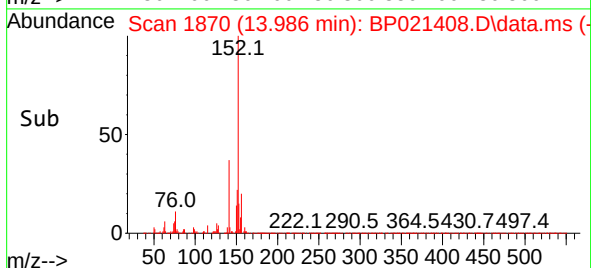
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024

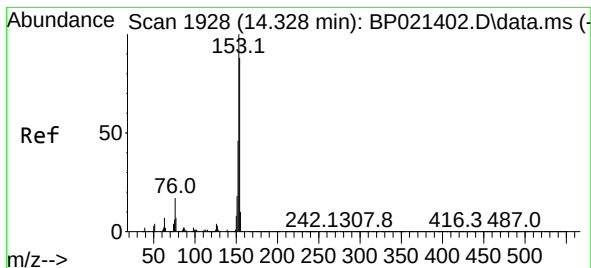


#50
Acenaphthylene
Concen: 2.496 ng/ul
RT: 13.986 min Scan# 1870
Delta R.T. -0.006 min
Lab File: BP021408.D
Acq: 07 Aug 2024 04:38



Tgt Ion:152 Resp: 107565
Ion Ratio Lower Upper
152 100
151 21.8 16.2 24.2
153 16.0 10.3 15.5#





#52

Acenaphthene

Concen: 51.750 ng/ul

RT: 14.322 min Scan# 1928

Delta R.T. -0.017 min

Lab File: BP021408.D

Acq: 07 Aug 2024 04:38

Instrument :

BNA_P

ClientSampleId :

F7E03DL

Tgt Ion:153 Resp: 148000

Ion Ratio Lower Upper

153 100

152 47.0 37.8 56.6

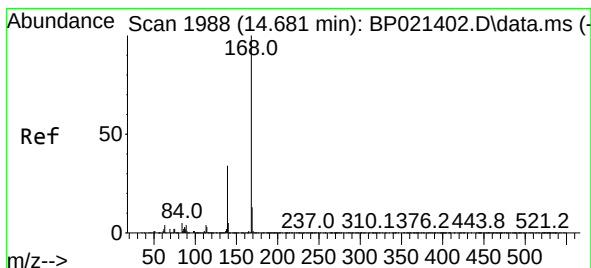
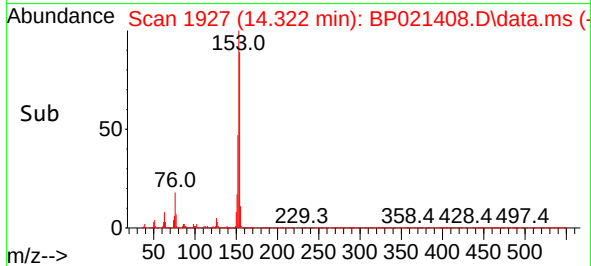
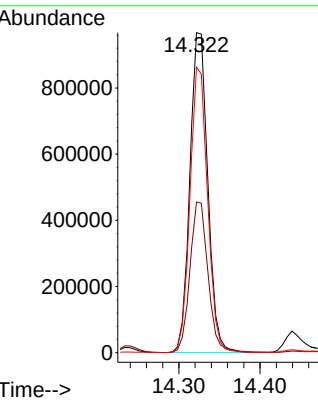
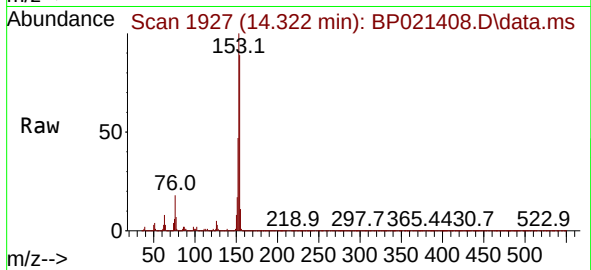
154 89.2 71.8 107.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#56

Dibenzofuran

Concen: 44.986 ng/ul

RT: 14.675 min Scan# 1987

Delta R.T. -0.012 min

Lab File: BP021408.D

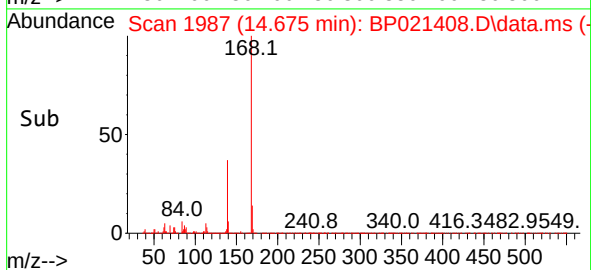
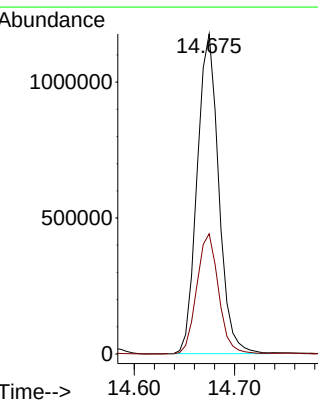
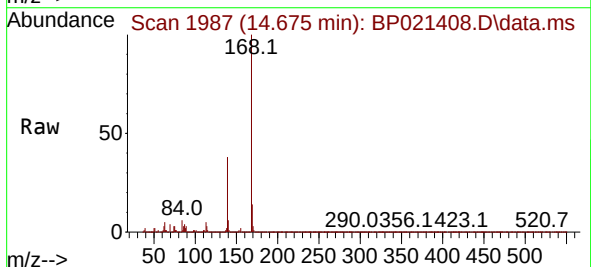
Acq: 07 Aug 2024 04:38

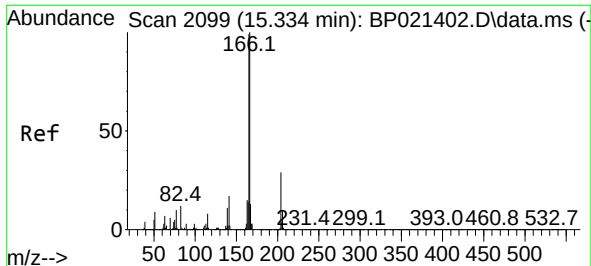
Tgt Ion:168 Resp: 1761814

Ion Ratio Lower Upper

168 100

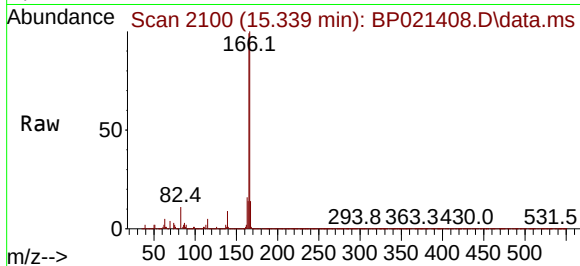
139 37.5 31.1 46.7





#61
Fluorene
Concen: 56.340 ng/ul
RT: 15.339 min Scan# 2100
Delta R.T. -0.006 min
Lab File: BP021408.D
Acq: 07 Aug 2024 04:38

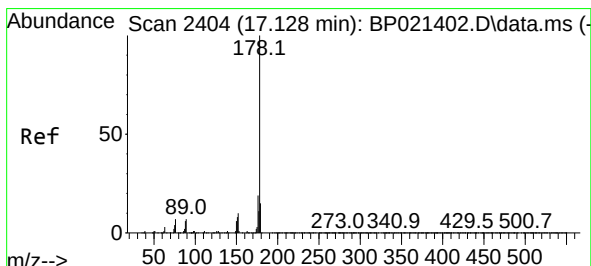
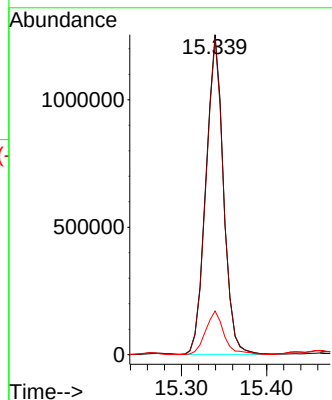
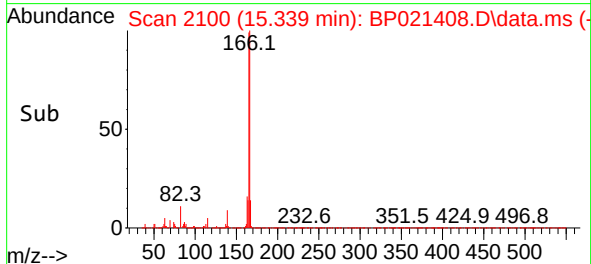
Instrument :
BNA_P
ClientSampleId :
F7E03DL



Tgt Ion:166 Resp: 1800528
Ion Ratio Lower Upper
166 100
165 98.9 78.1 117.1
167 13.7 10.9 16.3

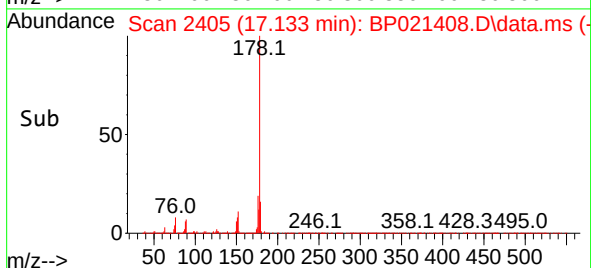
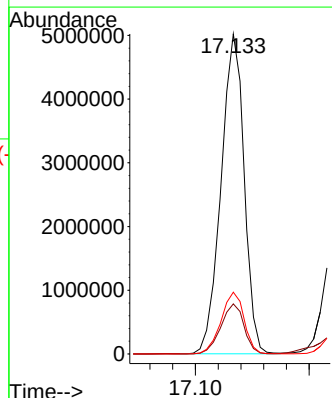
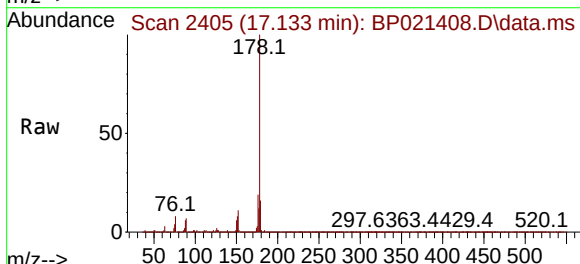
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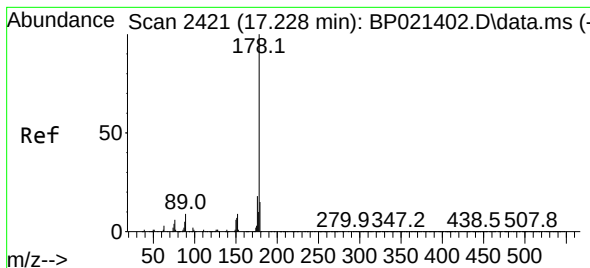
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#72
Phenanthrene
Concen: 128.364 ng/ul
RT: 17.133 min Scan# 2405
Delta R.T. 0.000 min
Lab File: BP021408.D
Acq: 07 Aug 2024 04:38

Tgt Ion:178 Resp: 7086289
Ion Ratio Lower Upper
178 100
179 15.7 12.2 18.4
176 19.3 15.0 22.4





#74

Anthracene

Concen: 53.806 ng/u1

RT: 17.227 min Scan# 2421

Delta R.T. -0.006 min

Lab File: BP021408.D

Acq: 07 Aug 2024 04:38

Instrument :

BNA_P

ClientSampleId :

F7E03DL

Tgt Ion:178 Resp: 302816

Ion Ratio Lower Upper

178 100

179 16.1 12.5 18.7

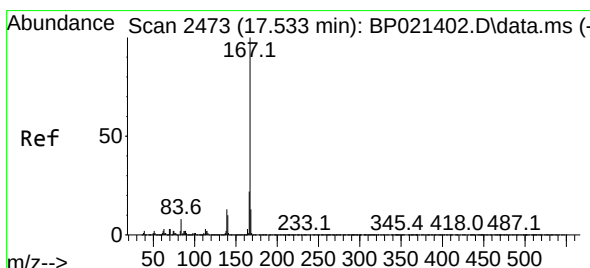
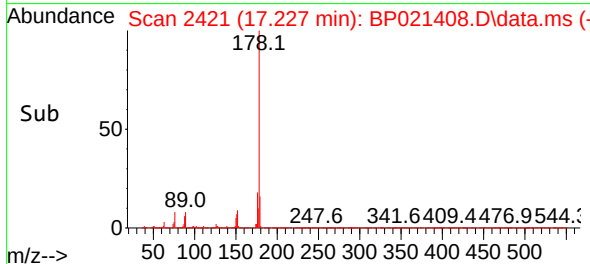
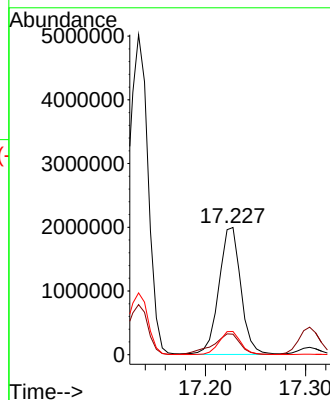
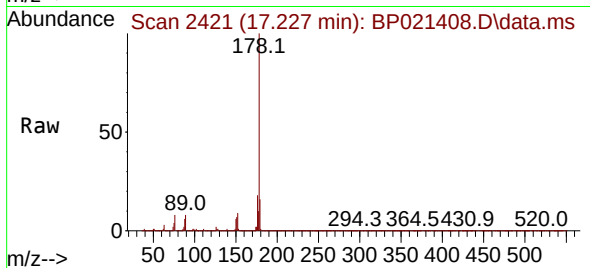
176 18.3 14.8 22.2

Manual Integrations

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Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#77

Carbazole

Concen: 34.777 ng/u1

RT: 17.527 min Scan# 2472

Delta R.T. 0.006 min

Lab File: BP021408.D

Acq: 07 Aug 2024 04:38

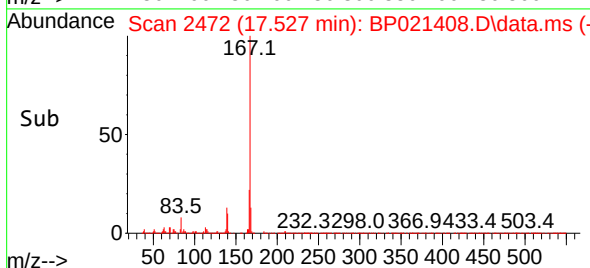
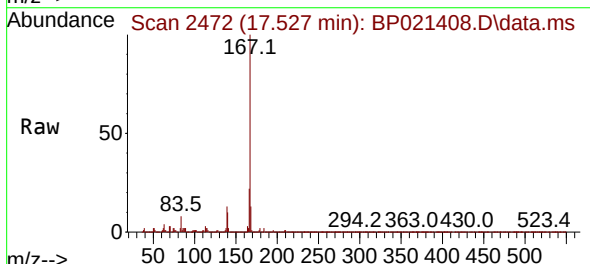
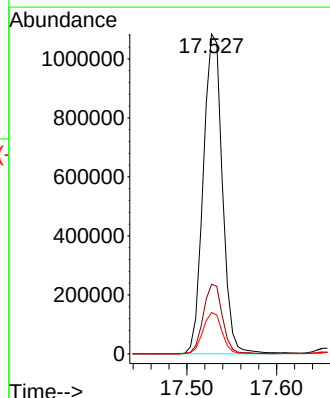
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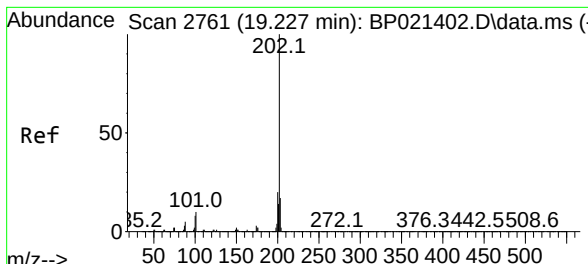
Ion Ratio Lower Upper

167 100

166 21.8 17.3 25.9

139 12.9 10.2 15.2





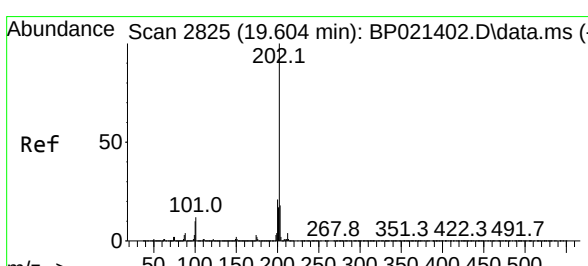
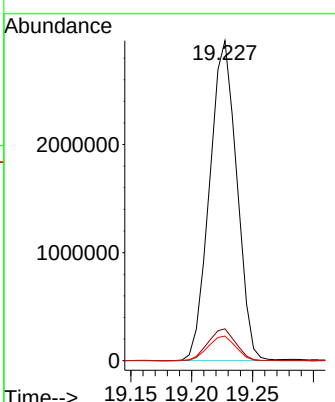
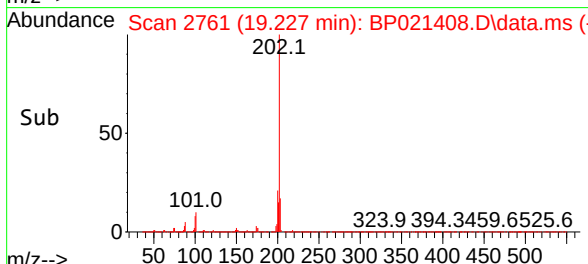
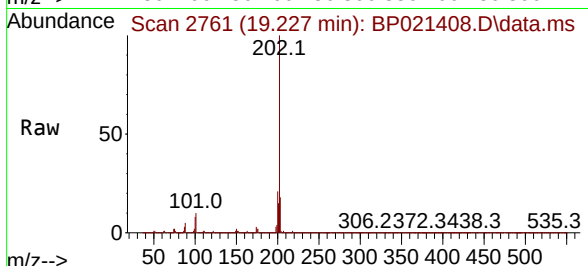
#80
 Fluoranthene
 Concen: 55.166 ng/u1
 RT: 19.227 min Scan# 2761
 Delta R.T. -0.006 min
 Lab File: BP021408.D
 Acq: 07 Aug 2024 04:38

Instrument : BNA_P
 ClientSampleId : F7E03DL

Tgt Ion:202 Resp: 460140

Ion	Ratio	Lower	Upper
202	100		
101	9.9	8.0	12.0
100	7.7	6.1	9.1

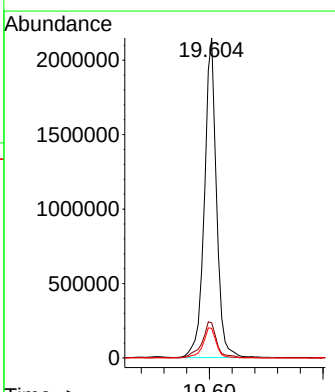
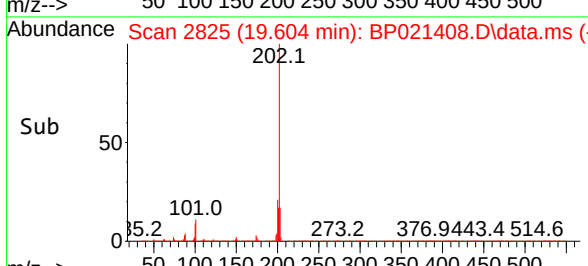
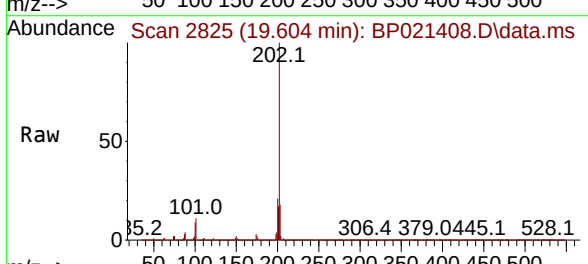
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 Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024

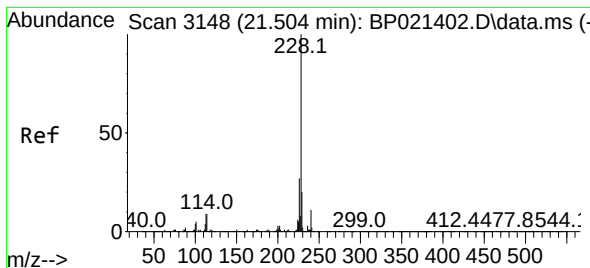


#82
 Pyrene
 Concen: 37.172 ng/u1
 RT: 19.604 min Scan# 2825
 Delta R.T. -0.006 min
 Lab File: BP021408.D
 Acq: 07 Aug 2024 04:38

Tgt Ion:202 Resp: 3155052

Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.4	14.2
100	9.2	7.8	11.6





#85

Benzo(a)anthracene

Concen: 13.744 ng/ul

RT: 21.510 min Scan# 3149

Delta R.T. 0.000 min

Lab File: BP021408.D

Acq: 07 Aug 2024 04:38

Instrument :

BNP_P

ClientSampleId :

F7E03DL

Tgt Ion:228 Resp: 1075594

Ion Ratio Lower Upper

228 100

229 21.0 15.5 23.3

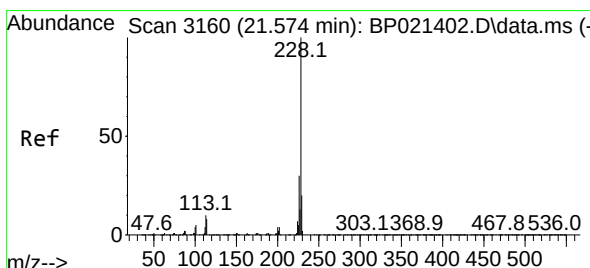
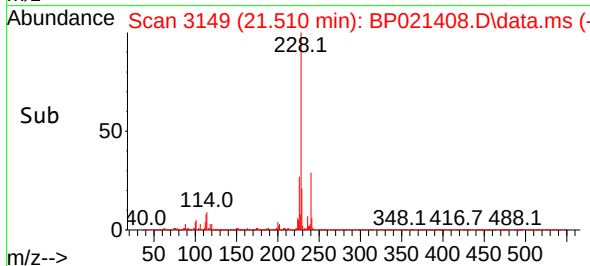
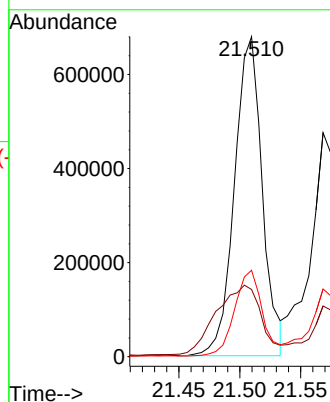
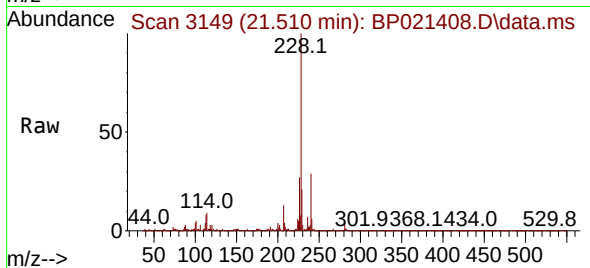
226 27.0 21.4 32.2

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Reviewed By :Yogesh Patel 08/08/2024

Supervised By :mohammad ahmed 08/09/2024



#87

Chrysene

Concen: 11.488 ng/ul

RT: 21.568 min Scan# 3159

Delta R.T. -0.017 min

Lab File: BP021408.D

Acq: 07 Aug 2024 04:38

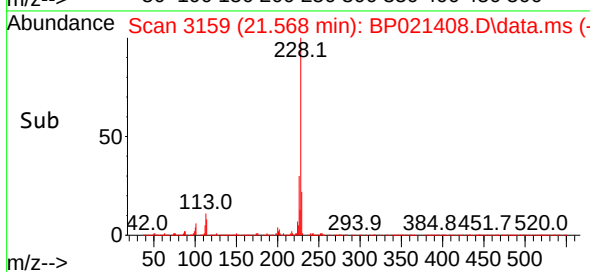
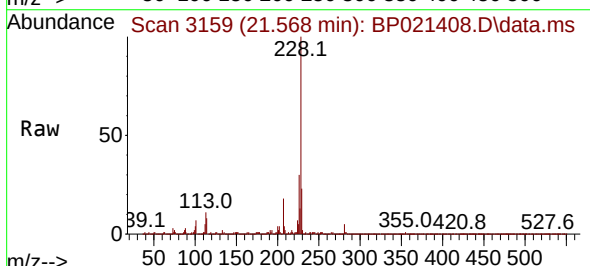
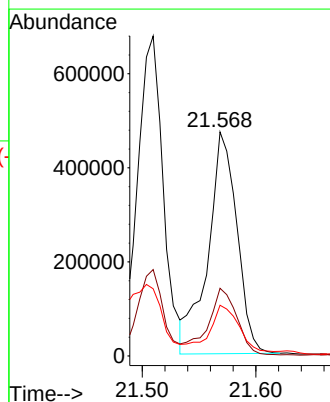
Tgt Ion:228 Resp: 835393

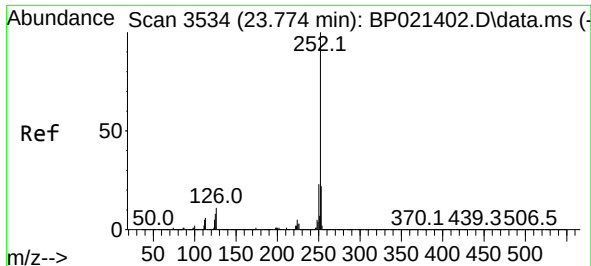
Ion Ratio Lower Upper

228 100

226 30.2 23.6 35.4

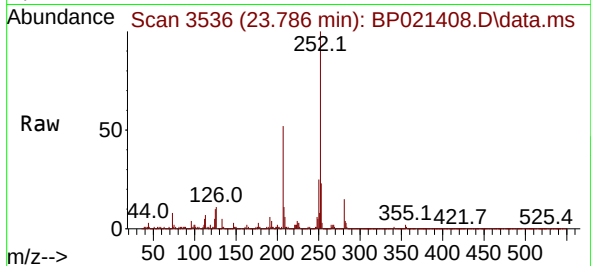
229 22.6 15.5 23.3





#90
Benzo(b)fluoranthene
Concen: 7.016 ng/u1
RT: 23.786 min Scan# 3534
Delta R.T. 0.000 min
Lab File: BP021408.D
Acq: 07 Aug 2024 04:38

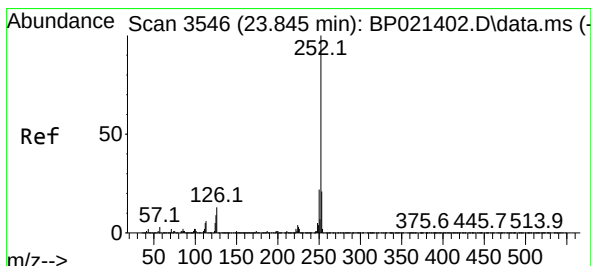
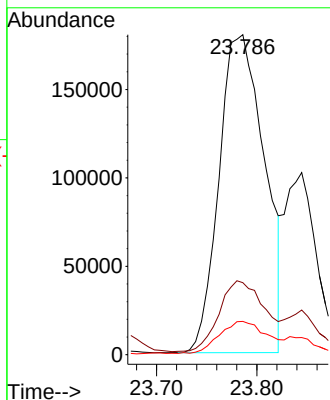
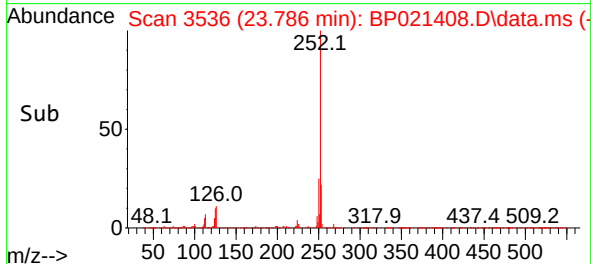
Instrument :
BNA_P
ClientSampleId :
F7E03DL



Tgt Ion:252 Resp: 566269
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 10.4 7.0 10.4

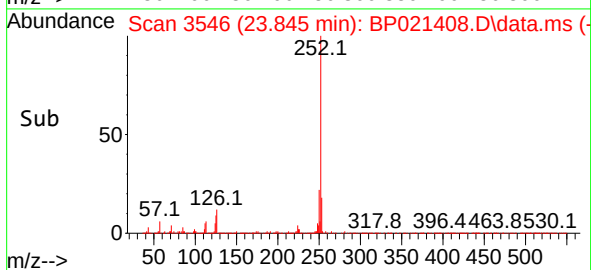
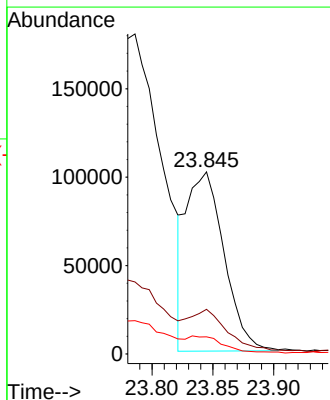
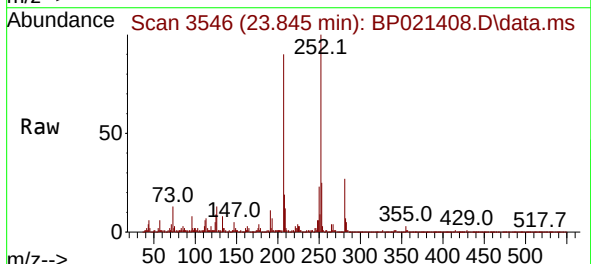
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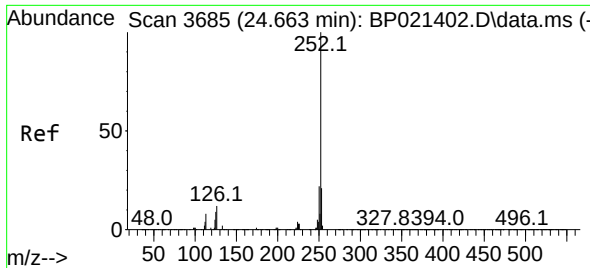
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024



#91
Benzo(k)fluoranthene
Concen: 2.710 ng/u1
RT: 23.845 min Scan# 3546
Delta R.T. -0.006 min
Lab File: BP021408.D
Acq: 07 Aug 2024 04:38

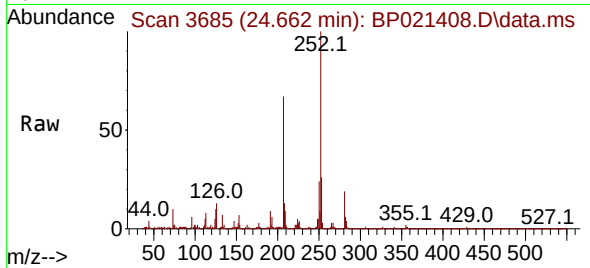
Tgt Ion:252 Resp: 218304
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.2
125 9.4 7.4 11.0





#93
Benzo(a)pyrene
Concen: 4.544 ng/ul
RT: 24.662 min Scan# 30
Delta R.T. -0.017 min
Lab File: BP021408.D
Acq: 07 Aug 2024 04:38

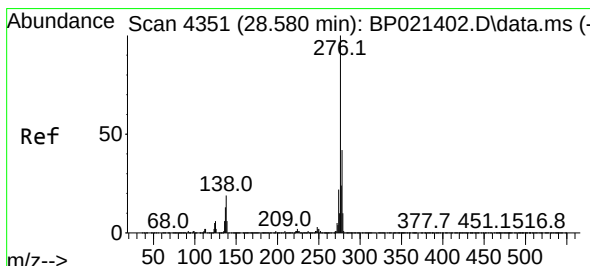
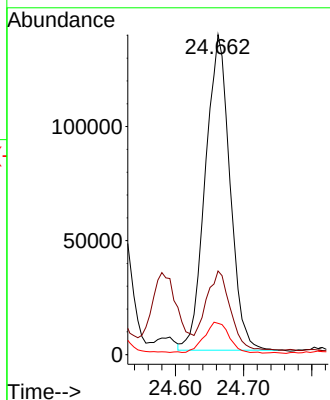
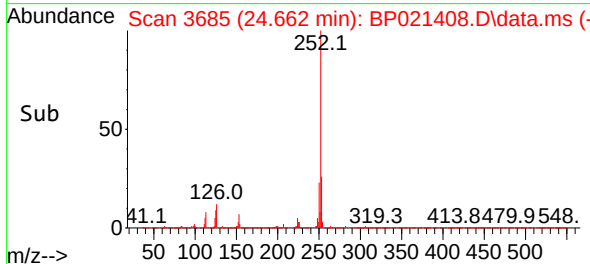
Instrument :
BNA_P
ClientSampleId :
F7E03DL



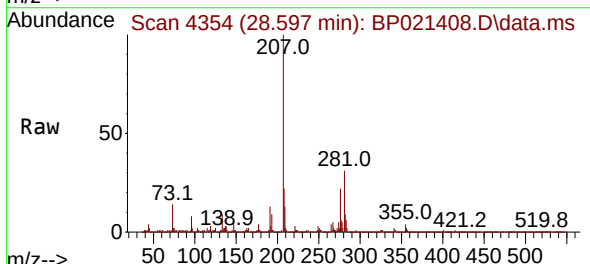
Tgt Ion:252 Resp: 346540
Ion Ratio Lower Upper
252 100
253 26.2 17.4 26.0
125 9.8 7.7 11.5

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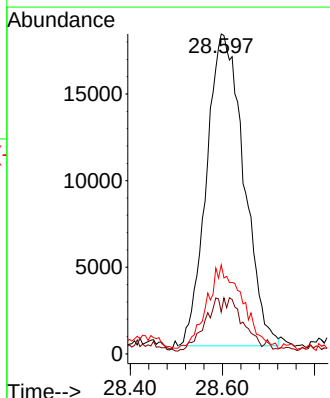
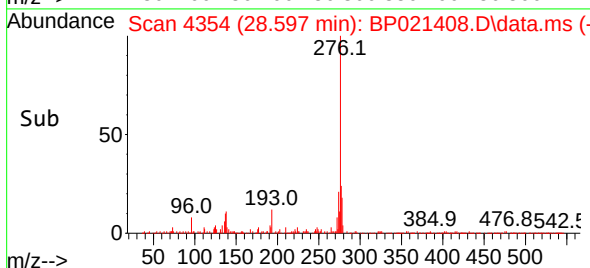
Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/09/2024

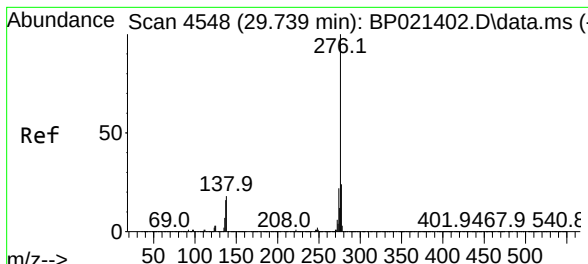


#94
Indeno(1,2,3-cd)pyrene
Concen: 1.029 ng/ul
RT: 28.597 min Scan# 4354
Delta R.T. 0.000 min
Lab File: BP021408.D
Acq: 07 Aug 2024 04:38



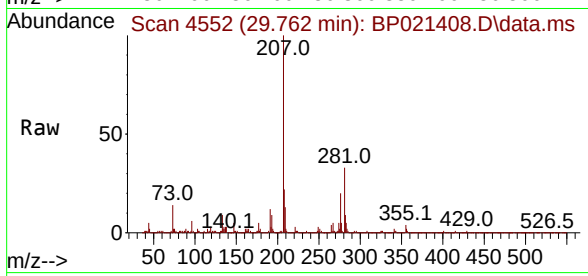
Tgt Ion:276 Resp: 101099
Ion Ratio Lower Upper
276 100
138 13.1 14.3 21.5
277 27.9 19.2 28.8





#96
 Benzo(g,h,i)perylene
 Concen: 1.012 ng/ul m
 RT: 29.762 min Scan# 4552
 Delta R.T. 0.000 min
 Lab File: BP021408.D
 Acq: 07 Aug 2024 04:38

Instrument :
 BNA_P
 ClientSampleId :
 F7E03DL



Tgt Ion: 276 Resp: 81040

Ion	Ratio	Lower	Upper
276	100		
138	15.7	15.3	22.9
277	24.6	18.2	27.2

Manual Integrations
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Reviewed By :Yogesh Patel 08/08/2024
 Supervised By :mohammad ahmed 08/09/2024

