

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP072324\
 Data File : BP021106.D
 Acq On : 23 Jul 2024 20:05
 Operator : MA/JU
 Sample : P3238-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 A4BE6

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 24 03:24:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 24 00:21:57 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	204843	20.000	ng/ul	0.00
20) Naphthalene-d8	10.434	136	834293	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.304	164	542282	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.116	188	1186105	20.000	ng/ul	-0.01
79) Chrysene-d12	21.568	240	1122255	20.000	ng/ul	0.00
88) Perylene-d12	24.892	264	1459983	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.187	96	16511	3.668	ng/uL	0.00
4) Pyridine-d5	3.616	84	44203	3.392	ng/ul	0.00
7) Phenol-d5	6.875	99	391027	23.414	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.005	67	220093	21.747	ng/ul	0.00
11) 2-Chlorophenol-d4	7.210	132	323694	23.525	ng/ul	0.00
15) 4-Methylphenol-d8	8.387	113	309734	22.331	ng/ul	0.00
21) Nitrobenzene-d5	8.816	128	157998	24.382	ng/ul	0.00
24) 2-Nitrophenol-d4	9.534	143	184636	24.894	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.081	165	329248	24.550	ng/ul	0.00
31) 4-Chloroaniline-d4	10.598	131	146011m	8.218	ng/ul	0.02
46) Dimethylphthalate-d6	13.710	166	998620	25.332	ng/ul	0.00
49) Acenaphthylene-d8	13.998	160	1141539	25.789	ng/ul	0.00
54) 4-Nitrophenol-d4	14.598	143	154768m	27.594	ng/ul	0.00
60) Fluorene-d10	15.322	176	880862	27.237	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.486	200	122047	17.006	ng/ul	0.00
73) Anthracene-d10	17.222	188	1378769	26.172	ng/ul	0.00
81) Pyrene-d10	19.610	212	1412766	20.362	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.668	264	1247549	17.326	ng/ul	-0.01
Target Compounds						
					Qvalue	
16) Acetophenone	8.493	105	24492	1.144	ng/ul#	96
30) Naphthalene	10.481	128	350550	7.988	ng/ul	100
36) 2-Methylnaphthalene	12.110	142	132037	4.383	ng/ul	99
37) 1-Methylnaphthalene	12.316	142	113927	3.677	ng/ul	99
43) 1,1'-Biphenyl	13.128	154	55672	1.405	ng/ul	98
50) Acenaphthylene	14.022	152	151809	3.029	ng/ul	98
52) Acenaphthene	14.369	153	535370	16.095	ng/ul	98
56) Dibenzofuran	14.716	168	542467	11.909	ng/ul	99
61) Fluorene	15.375	166	652247	17.547	ng/ul	100
72) Phenanthrene	17.169	178	10762186	174.908	ng/ul	98
74) Anthracene	17.257	178	2568903	40.953	ng/ul	99
77) Carbazole	17.545	167	1184303	23.096	ng/ul	99
80) Fluoranthene	19.269	202	13542776	161.628	ng/ul	99
82) Pyrene	19.645	202	9830554	115.296	ng/ul	98
85) Benzo(a)anthracene	21.551	228	6769124	86.105	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.457	149	279104	5.459	ng/ul	98
87) Chrysene	21.616	228	6497619	88.948	ng/ul	96
90) Benzo(b)fluoranthene	23.851	252	8325430	93.968	ng/ul	97
91) Benzo(k)fluoranthene	23.910	252	3101339m	35.075	ng/ul	
93) Benzo(a)pyrene	24.745	252	3321069	39.667	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	28.686	276	2973032	27.557	ng/ul	98
95) Dibenzo(a,h)anthracene	28.733	278	1122427m	12.564	ng/ul	
96) Benzo(g,h,i)perylene	29.868	276	429511m	4.888	ng/ul	

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP071024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 24 00:21:57 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

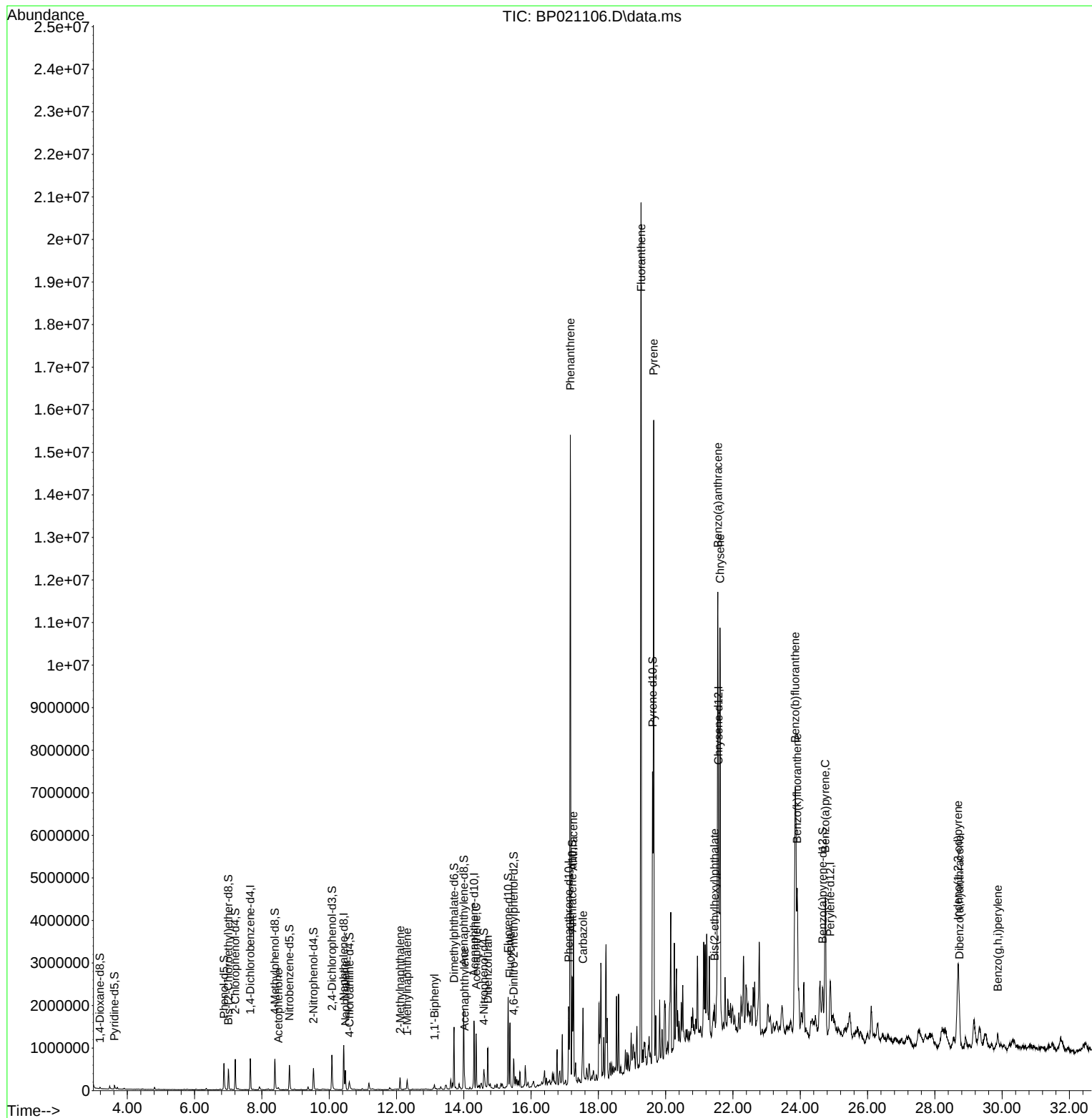
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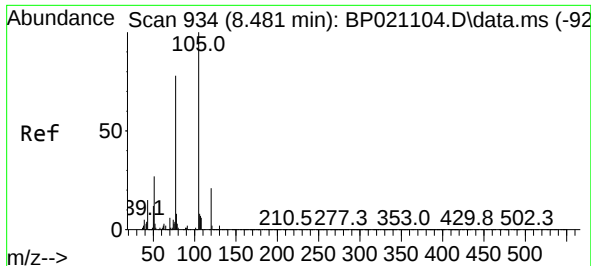
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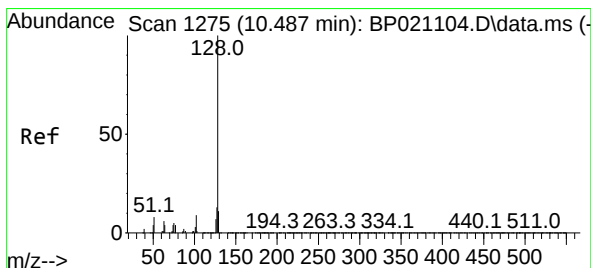
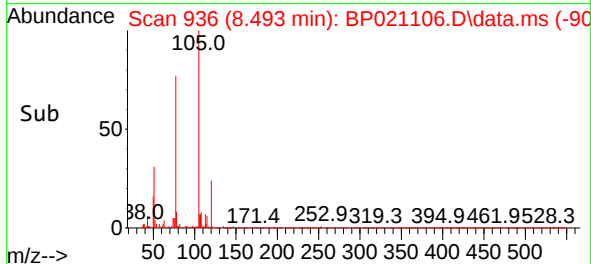
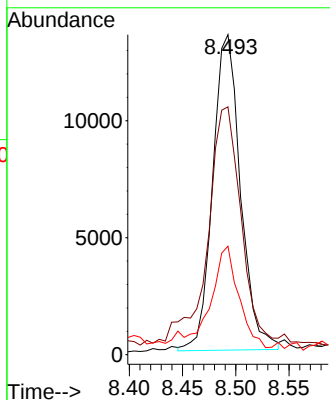
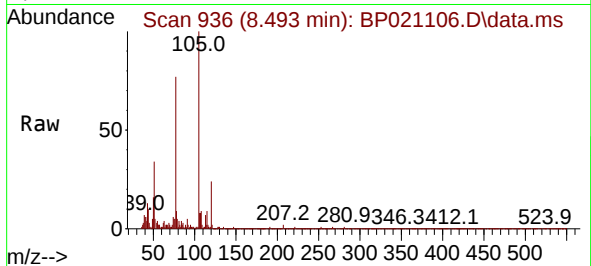
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Acetophenone
Concen: 1.144 ng/ul
RT: 8.493 min Scan# 91
Delta R.T. 0.012 min
Lab File: BP021106.D
Acq: 23 Jul 2024 20:05

Instrument :
BNA_P
ClientSampleId :
A4BE6

Tgt Ion:105 Resp: 24492
Ion Ratio Lower Upper
105 100
77 77.4 61.8 92.8
51 33.9 21.5 32.3

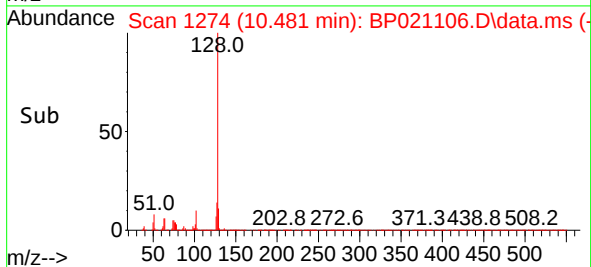
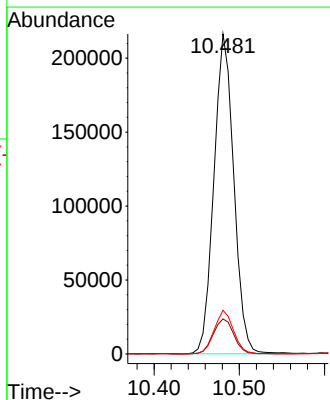
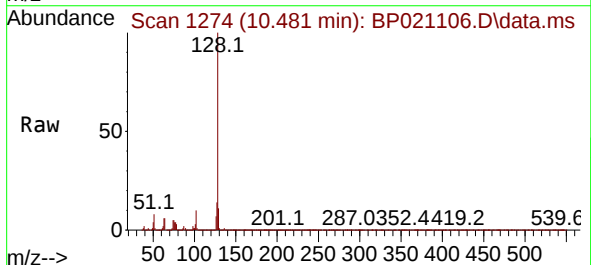
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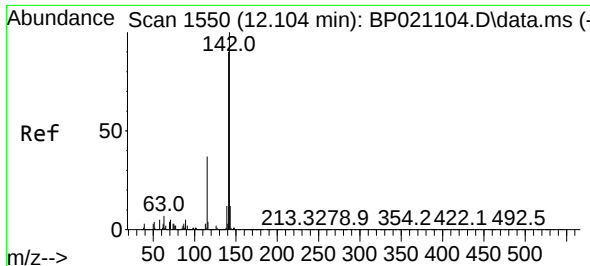
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#30
Naphthalene
Concen: 7.988 ng/ul
RT: 10.481 min Scan# 1274
Delta R.T. -0.006 min
Lab File: BP021106.D
Acq: 23 Jul 2024 20:05

Tgt Ion:128 Resp: 350550
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.7 10.8 16.2





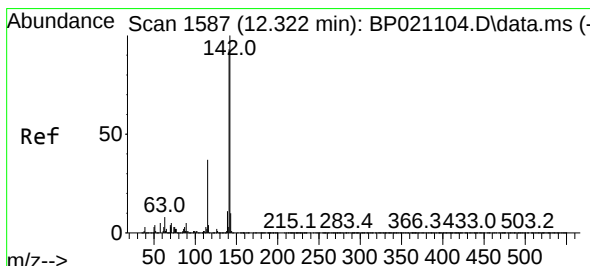
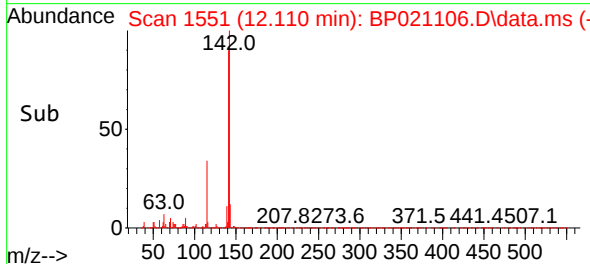
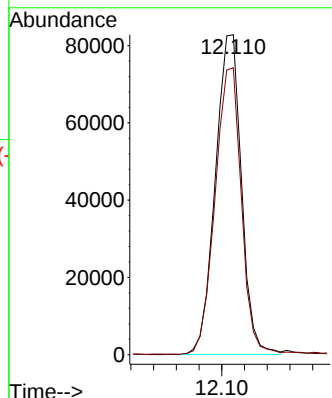
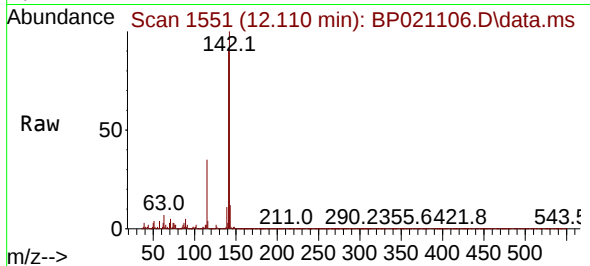
#36
2-Methylnaphthalene
Concen: 4.383 ng/ul
RT: 12.110 min Scan# 1551
Delta R.T. 0.006 min
Lab File: BP021106.D
Acq: 23 Jul 2024 20:05

Instrument :
BNA_P
ClientSampleId :
A4BE6

Tgt Ion:142 Resp: 13203
Ion Ratio Lower Upper
142 100
141 89.6 72.6 108.8

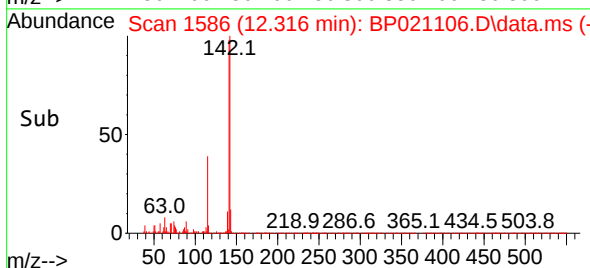
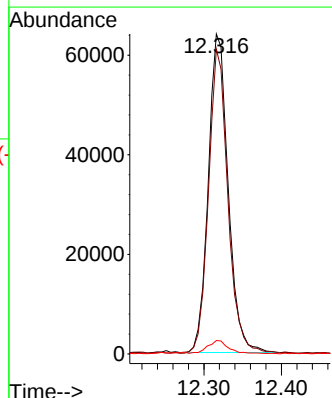
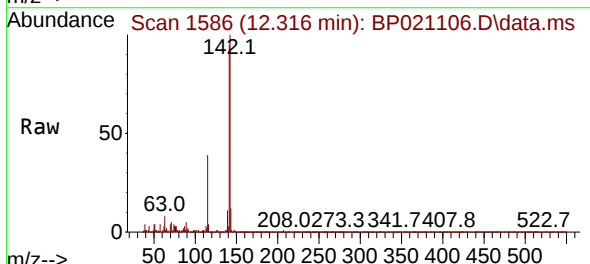
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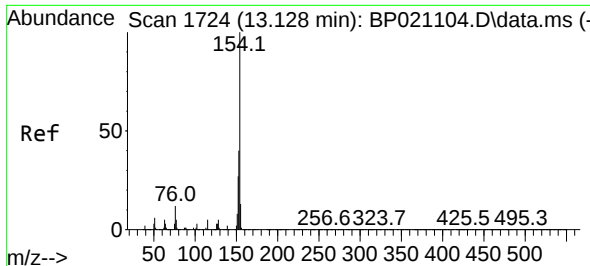
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#37
1-Methylnaphthalene
Concen: 3.677 ng/ul
RT: 12.316 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BP021106.D
Acq: 23 Jul 2024 20:05

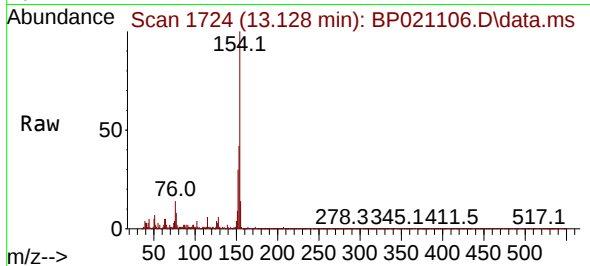
Tgt Ion:142 Resp: 113927
Ion Ratio Lower Upper
142 100
141 95.2 75.0 112.6
116 4.2 3.2 4.8





#43
1,1'-Biphenyl
Concen: 1.405 ng/ul
RT: 13.128 min Scan# 1724
Delta R.T. -0.000 min
Lab File: BP021106.D
Acq: 23 Jul 2024 20:05

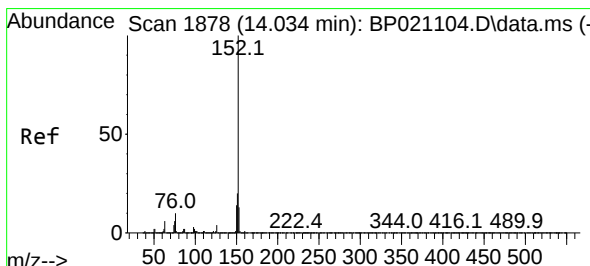
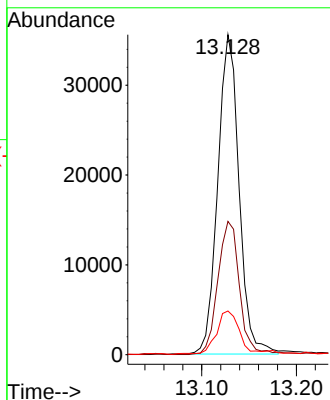
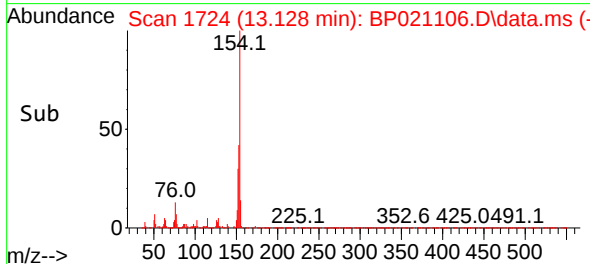
Instrument :
BNA_P
ClientSampleId :
A4BE6



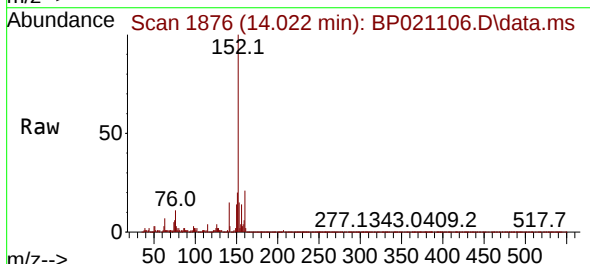
Tgt Ion:154 Resp: 55672
Ion Ratio Lower Upper
154 100
153 41.7 32.7 49.1
76 13.6 9.4 14.2

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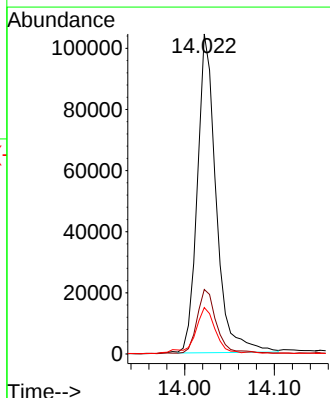
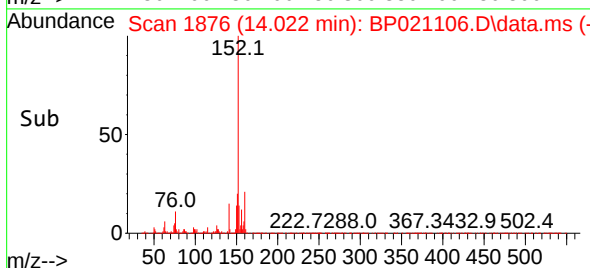
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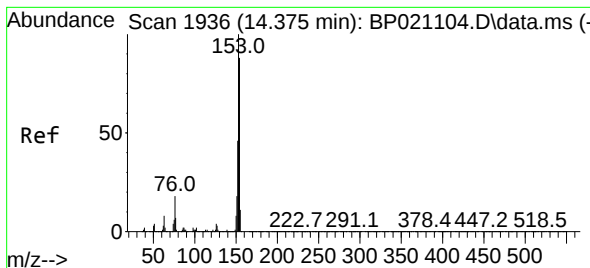


#50
Acenaphthylene
Concen: 3.029 ng/ul
RT: 14.022 min Scan# 1876
Delta R.T. -0.012 min
Lab File: BP021106.D
Acq: 23 Jul 2024 20:05



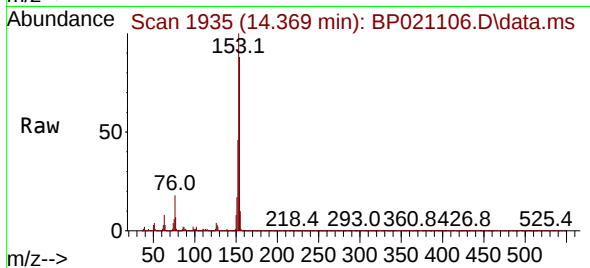
Tgt Ion:152 Resp: 151809
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 14.5 10.3 15.5





#52
Acenaphthene
Concen: 16.095 ng/ul
RT: 14.369 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BP021106.D
Acq: 23 Jul 2024 20:05

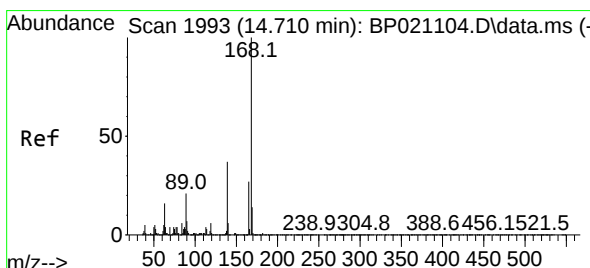
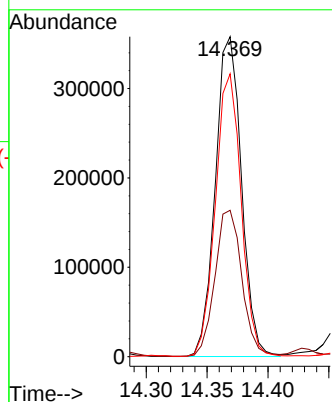
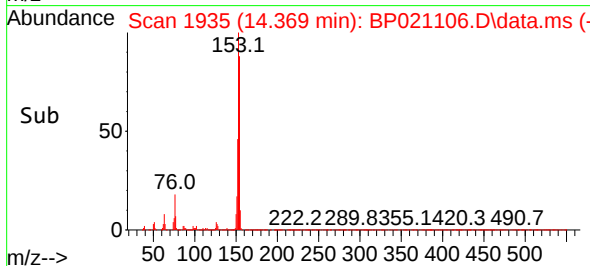
Instrument :
BNA_P
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A4BE6



Tgt Ion:153 Resp: 535370
Ion Ratio Lower Upper
153 100
152 45.8 37.8 56.6
154 88.4 71.8 107.6

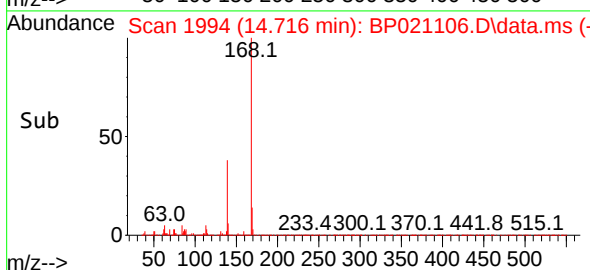
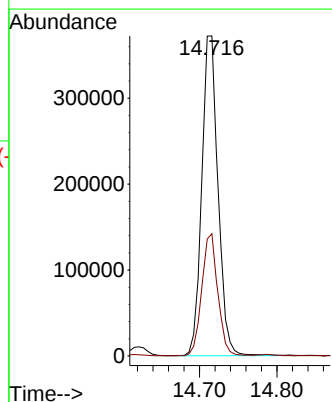
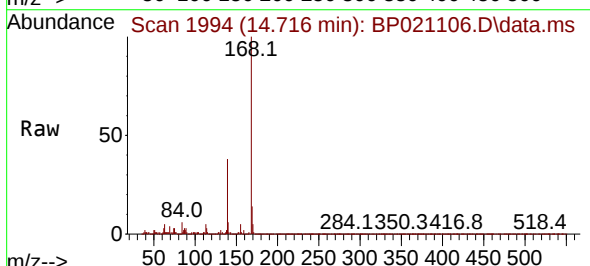
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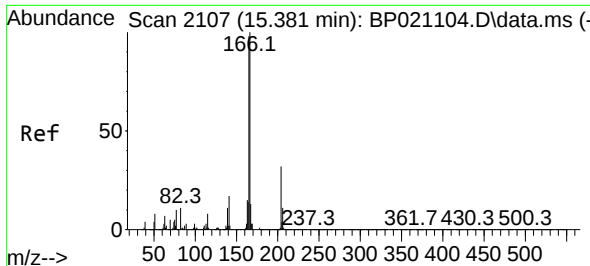
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#56
Dibenzofuran
Concen: 11.909 ng/ul
RT: 14.716 min Scan# 1994
Delta R.T. 0.006 min
Lab File: BP021106.D
Acq: 23 Jul 2024 20:05

Tgt Ion:168 Resp: 542467
Ion Ratio Lower Upper
168 100
139 38.2 31.1 46.7





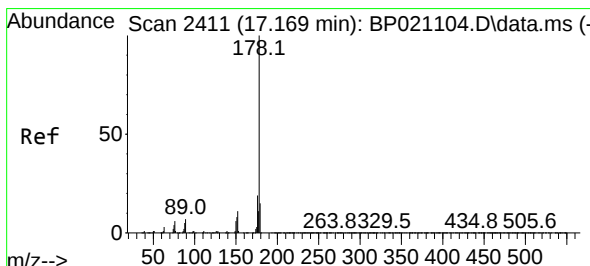
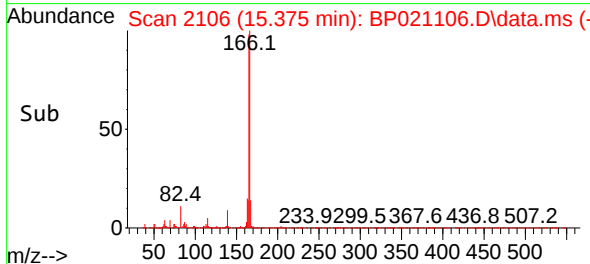
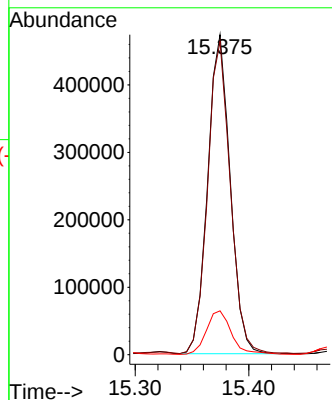
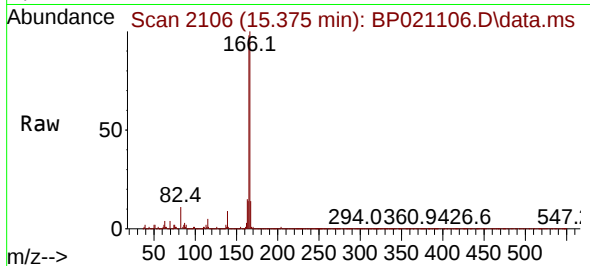
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Fluorene
Concen: 17.547 ng/ul
RT: 15.375 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BP021106.D
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Tgt Ion:166 Resp: 65224
Ion Ratio Lower Upper
166 100
165 97.9 78.1 117.1
167 13.7 10.9 16.3

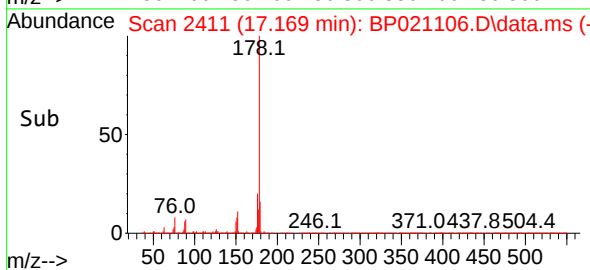
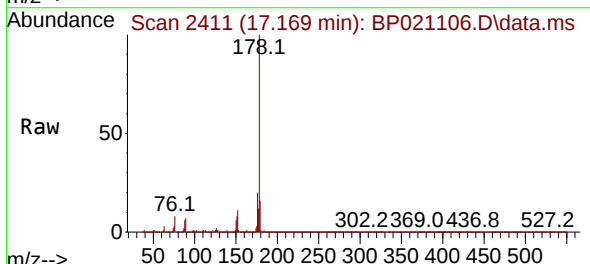
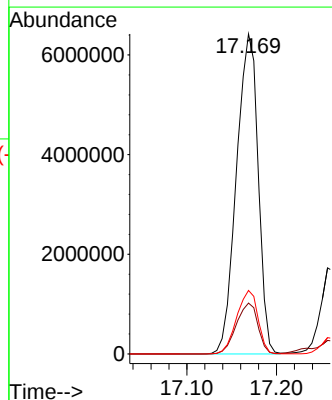
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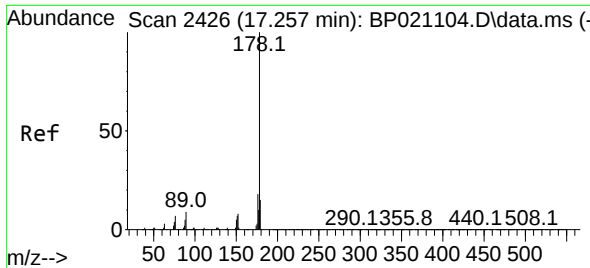
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#72
Phenanthrene
Concen: 174.908 ng/ul
RT: 17.169 min Scan# 2411
Delta R.T. -0.000 min
Lab File: BP021106.D
Acq: 23 Jul 2024 20:05

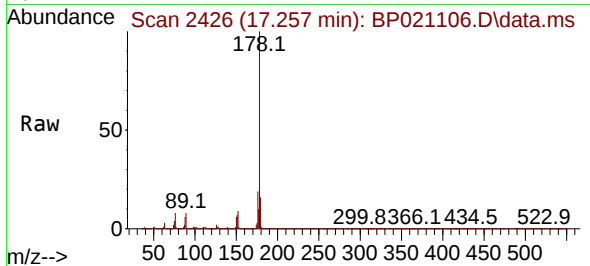
Tgt Ion:178 Resp:10762186
Ion Ratio Lower Upper
178 100
179 15.9 12.2 18.4
176 19.9 15.0 22.4





#74
 Anthracene
 Concen: 40.953 ng/u1
 RT: 17.257 min Scan# 2426
 Delta R.T. -0.000 min
 Lab File: BP021106.D
 Acq: 23 Jul 2024 20:05

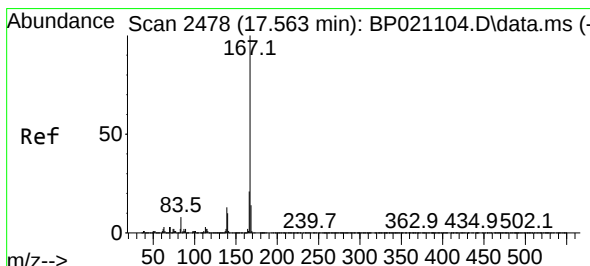
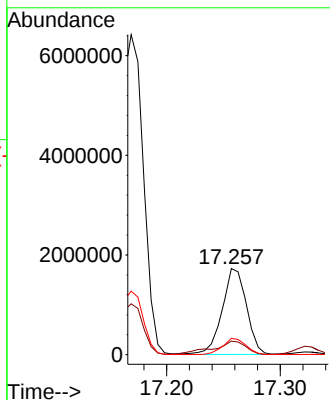
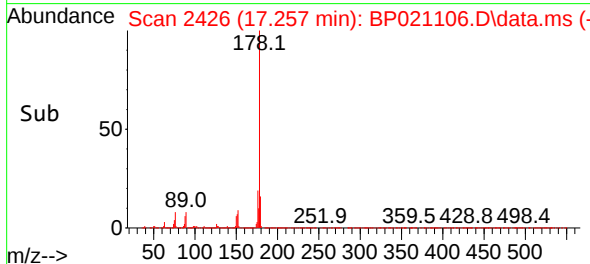
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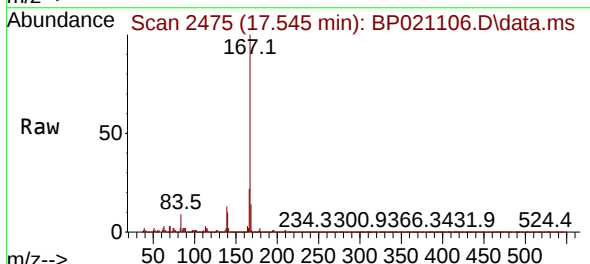
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 Ion Ratio Lower Upper
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 176 19.0 14.8 22.2

Manual Integrations
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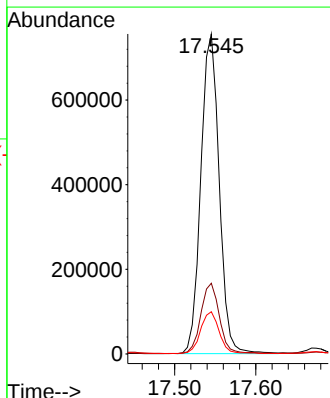
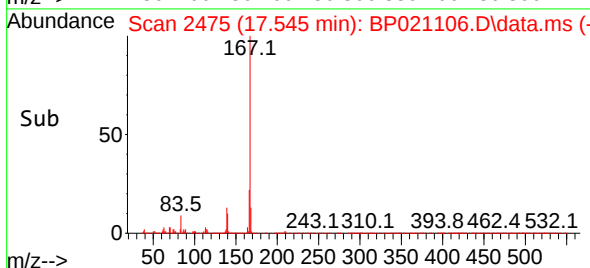
Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/25/2024

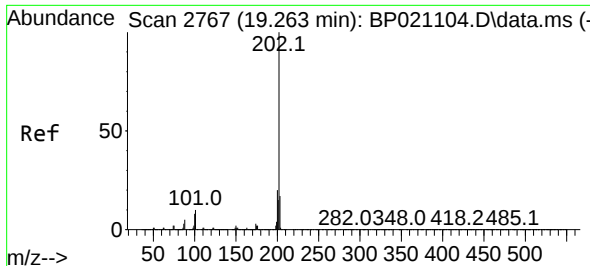


#77
 Carbazole
 Concen: 23.096 ng/u1
 RT: 17.545 min Scan# 2475
 Delta R.T. -0.018 min
 Lab File: BP021106.D
 Acq: 23 Jul 2024 20:05



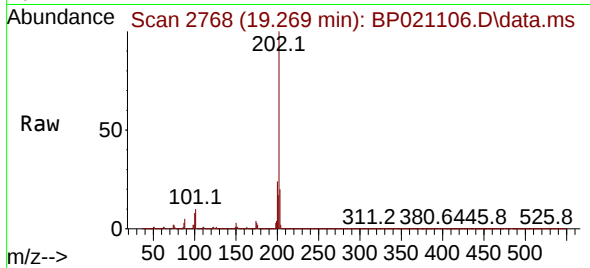
Tgt Ion:167 Resp: 1184303
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.3 25.9
 139 13.2 10.2 15.2





#80
Fluoranthene
Concen: 161.628 ng/u1
RT: 19.269 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP021106.D
Acq: 23 Jul 2024 20:05

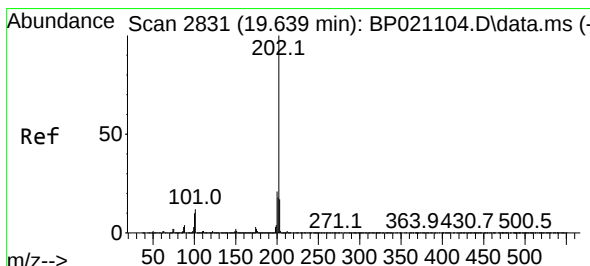
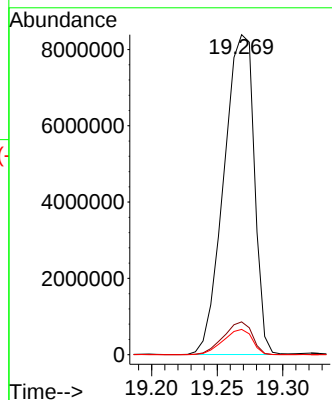
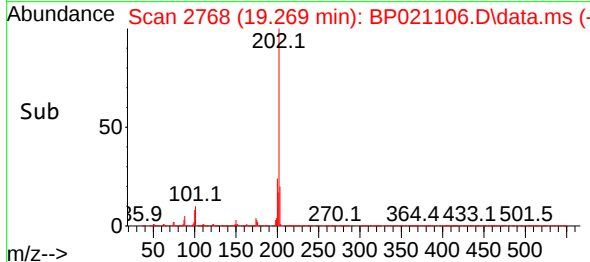
Instrument :
BNA_P
ClientSampleId :
A4BE6



Tgt Ion:202 Resp:13542770
Ion Ratio Lower Upper
202 100
101 10.3 8.0 12.0
100 7.9 6.1 9.1

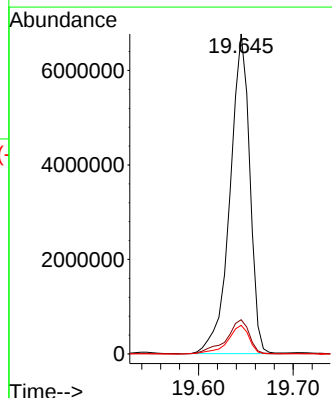
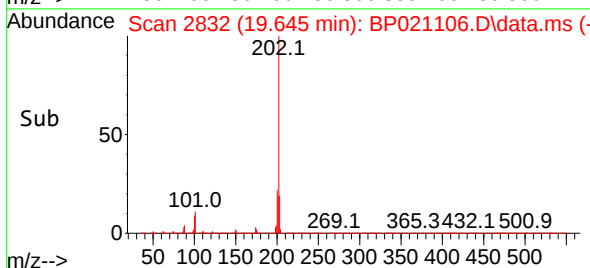
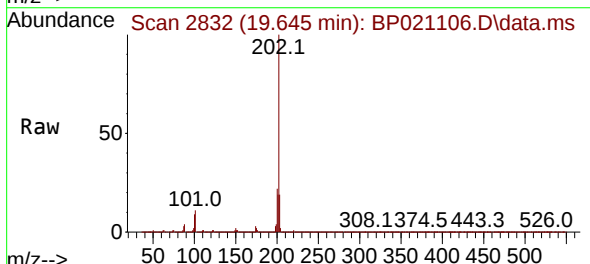
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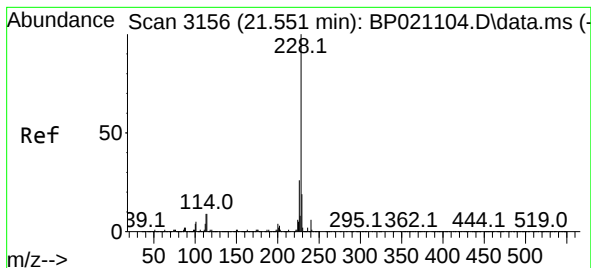
Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024



#82
Pyrene
Concen: 115.296 ng/u1
RT: 19.645 min Scan# 2832
Delta R.T. 0.006 min
Lab File: BP021106.D
Acq: 23 Jul 2024 20:05

Tgt Ion:202 Resp: 9830554
Ion Ratio Lower Upper
202 100
101 10.7 9.4 14.2
100 9.0 7.8 11.6





#85

Benzo(a)anthracene

Concen: 86.105 ng/ul

RT: 21.551 min Scan# 3156

Delta R.T. -0.000 min

Lab File: BP021106.D

Acq: 23 Jul 2024 20:05

Instrument :

BNA_P

ClientSampleId :

A4BE6

Tgt Ion:228 Resp: 6769124

Ion Ratio Lower Upper

228 100

229 21.0 15.5 23.3

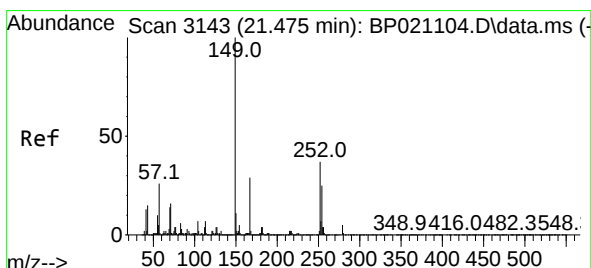
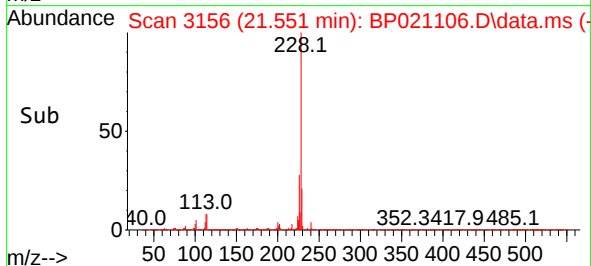
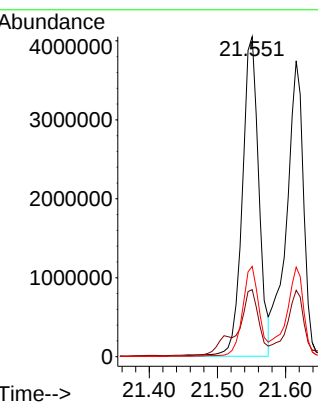
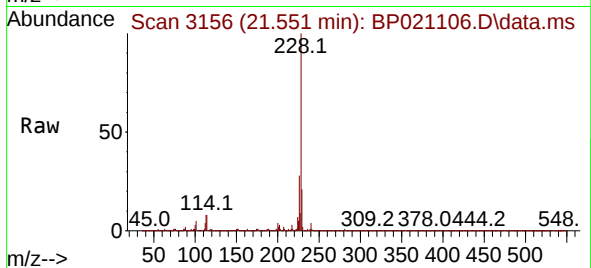
226 28.2 21.4 32.2

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Reviewed By :Jagrut Upadhyay 07/24/2024

Supervised By :mohammad ahmed 07/25/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 5.459 ng/ul

RT: 21.457 min Scan# 3140

Delta R.T. -0.018 min

Lab File: BP021106.D

Acq: 23 Jul 2024 20:05

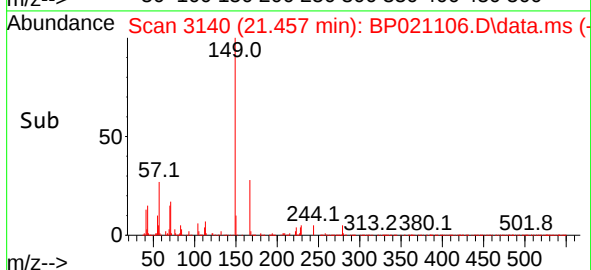
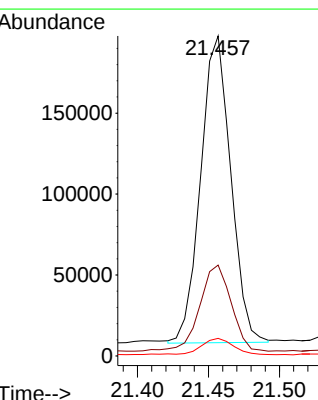
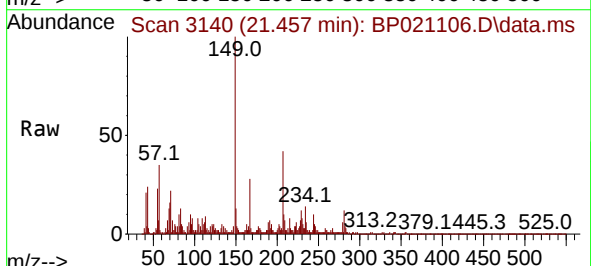
Tgt Ion:149 Resp: 279104

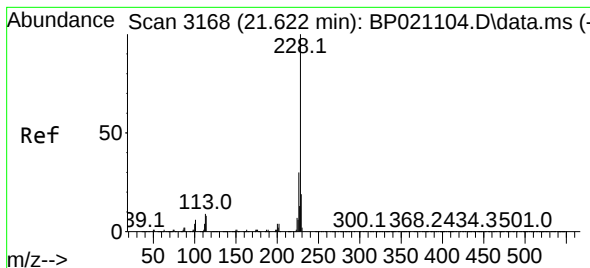
Ion Ratio Lower Upper

149 100

167 28.4 22.1 33.1

279 5.5 3.7 5.5





#87

Chrysene

Concen: 88.948 ng/ul

RT: 21.616 min Scan# 3168

Delta R.T. -0.006 min

Lab File: BP021106.D

Acq: 23 Jul 2024 20:05

Instrument :

BNA_P

ClientSampleId :

A4BE6

Tgt Ion:228 Resp: 6497619

Ion Ratio Lower Upper

228 100

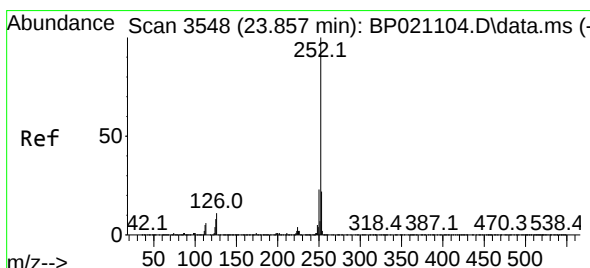
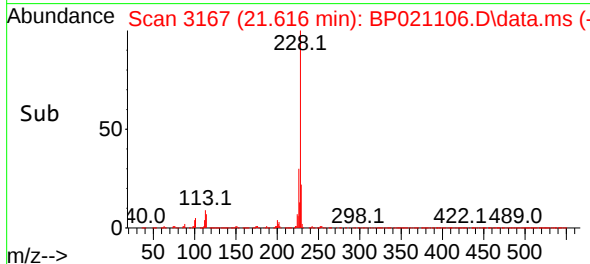
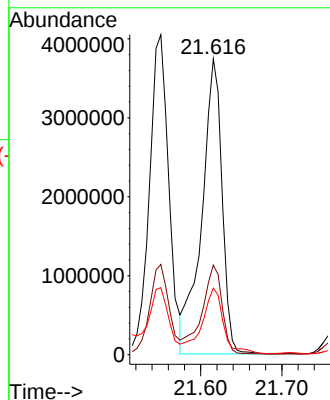
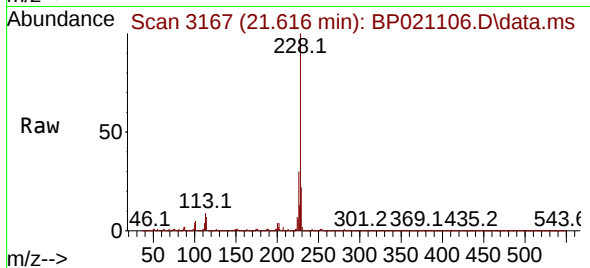
226 30.3 23.6 35.4

229 22.5 15.5 23.3

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Supervised By :mohammad ahmed 07/25/2024



#90

Benzo(b)fluoranthene

Concen: 93.968 ng/ul

RT: 23.851 min Scan# 3547

Delta R.T. -0.006 min

Lab File: BP021106.D

Acq: 23 Jul 2024 20:05

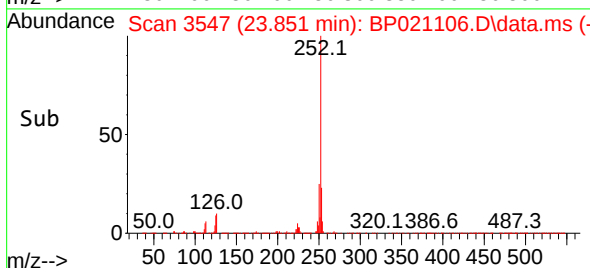
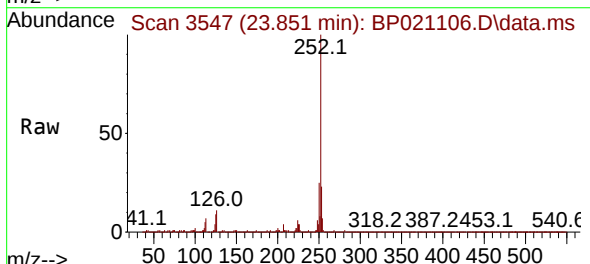
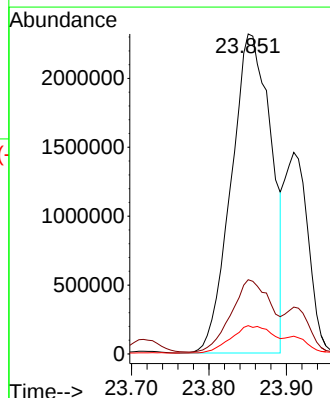
Tgt Ion:252 Resp: 8325430

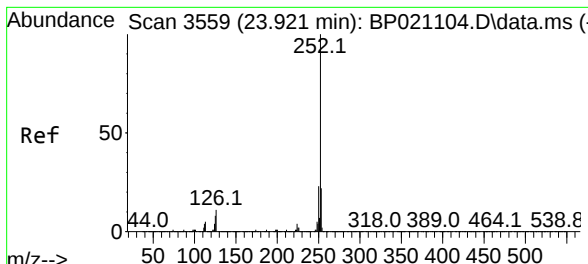
Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

125 8.9 7.0 10.4





#91
 Benzo(k)fluoranthene
 Concen: 35.075 ng/ul m
 RT: 23.910 min Scan# 3101339
 Delta R.T. -0.012 min
 Lab File: BP021106.D
 Acq: 23 Jul 2024 20:05

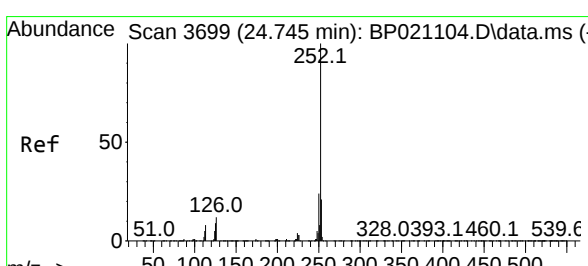
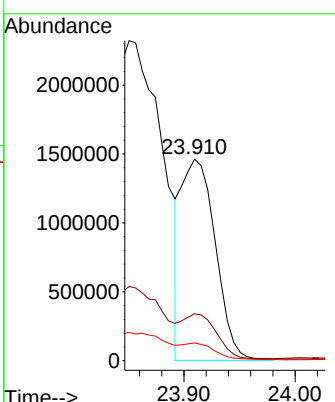
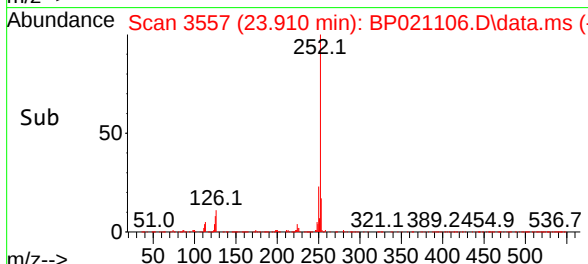
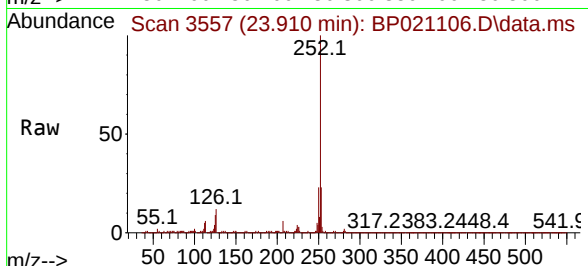
Instrument :
 BNA_P
 ClientSampleId :
 A4BE6

Tgt Ion:252 Resp: 3101339

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	8.8	7.4	11.0

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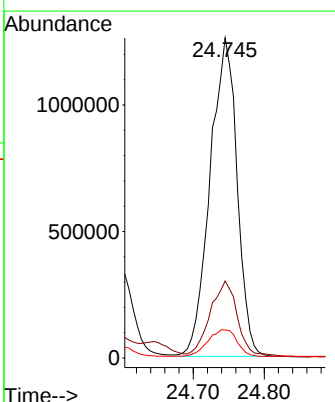
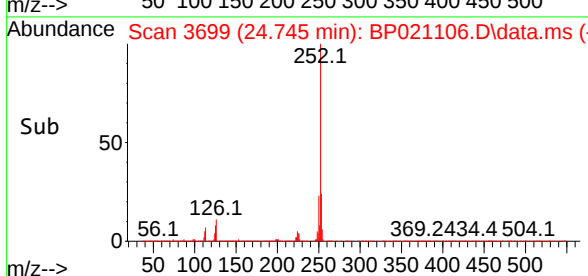
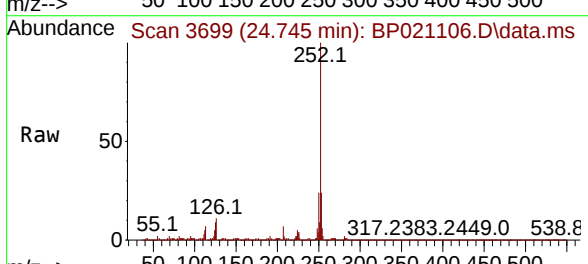
Reviewed By :Jagrut Upadhyay 07/24/2024
 Supervised By :mohammad ahmed 07/25/2024

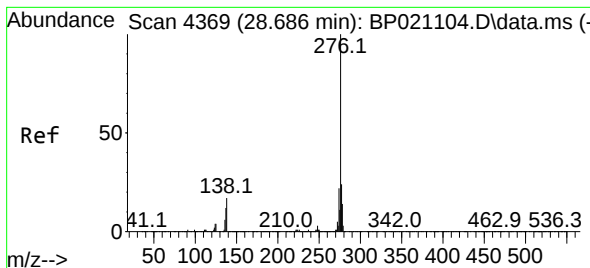


#93
 Benzo(a)pyrene
 Concen: 39.667 ng/ul
 RT: 24.745 min Scan# 3699
 Delta R.T. -0.000 min
 Lab File: BP021106.D
 Acq: 23 Jul 2024 20:05

Tgt Ion:252 Resp: 3321069

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.0
125	8.7	7.7	11.5





#94

Indeno(1,2,3-cd)pyrene

Concen: 27.557 ng/ul

RT: 28.686 min Scan# 4369

Delta R.T. -0.000 min

Lab File: BP021106.D

Acq: 23 Jul 2024 20:05

Instrument :

BNA_P

ClientSampleId :

A4BE6

Tgt Ion:276 Resp: 297303

Ion Ratio Lower Upper

276 100

138 16.6 14.3 21.5

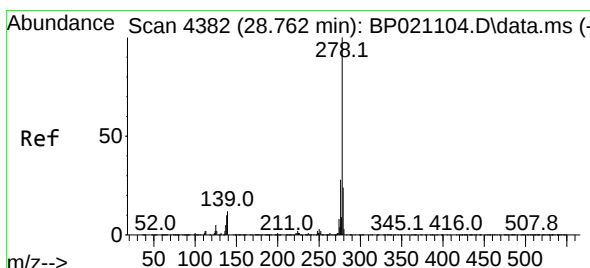
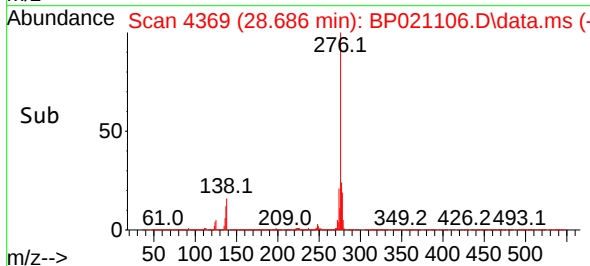
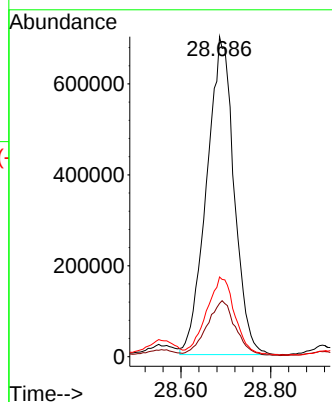
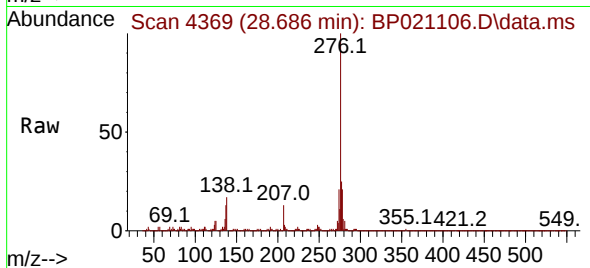
277 24.9 19.2 28.8

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Supervised By :mohammad ahmed 07/25/2024



#95

Dibenzo(a,h)anthracene

Concen: 12.564 ng/ul m

RT: 28.733 min Scan# 4377

Delta R.T. -0.030 min

Lab File: BP021106.D

Acq: 23 Jul 2024 20:05

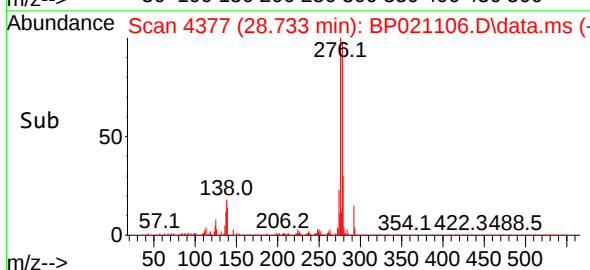
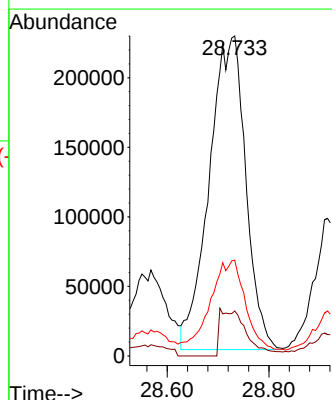
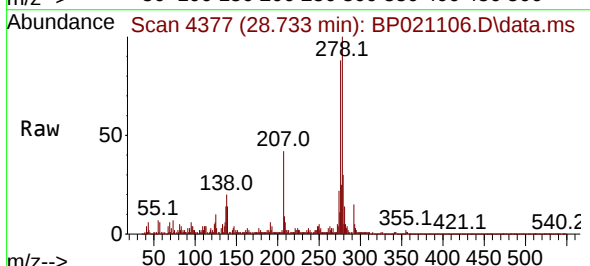
Tgt Ion:278 Resp: 1122427

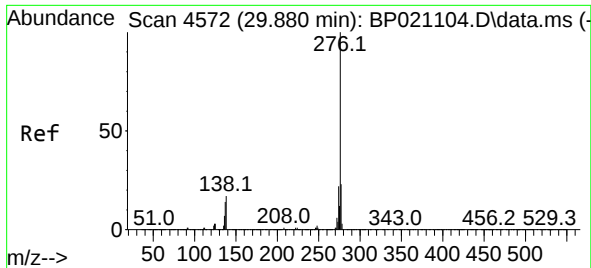
Ion Ratio Lower Upper

278 100

139 14.0 10.9 16.3

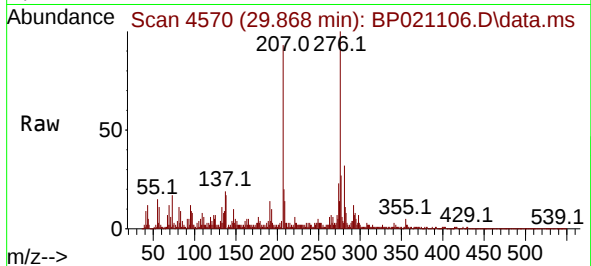
279 29.9 19.4 29.0#





#96
Benzo(g,h,i)perylene
Concen: 4.888 ng/ul m
RT: 29.868 min Scan# 4
Delta R.T. -0.012 min
Lab File: BP021106.D
Acq: 23 Jul 2024 20:05

Instrument :
BNA_P
ClientSampleId :
A4BE6



Tgt Ion:276 Resp: 42951
Ion Ratio Lower Upper
276 100
138 16.8 15.3 22.9
277 26.6 18.2 27.2

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Reviewed By :Jagrut Upadhyay 07/24/2024
Supervised By :mohammad ahmed 07/25/2024

