

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018903.D
 Acq On : 18 Dec 2023 12:57
 Operator : MA/JU
 Sample : 05626-10
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF6

Quant Time: Dec 18 21:39:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP120123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 23:34:47 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.828	152	274102	20.000	ng/ul	0.00
20) Naphthalene-d8	10.663	136	576102	20.000	ng/ul	0.04
38) Acenaphthene-d10	14.534	164	523867	20.000	ng/ul	# 0.07
64) Phenanthrene-d10	17.281	188	255011	20.000	ng/ul	# 0.06
79) Chrysene-d12	21.410	240	449157	20.000	ng/ul	# 0.11
88) Perylene-d12	23.604	264	1374833	20.000	ng/ul	-0.06
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.258	96	20679	2.571	ng/uL	0.00
4) Pyridine-d5	3.681	84	256788	11.919	ng/ul	0.00
7) Phenol-d5	7.005	99	536638	19.509	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.169	67	306087	18.775	ng/ul	0.00
11) 2-Chlorophenol-d4	7.363	132	427293	19.908	ng/ul	0.00
15) 4-Methylphenol-d8	8.546	113	414011	18.598	ng/ul	0.00
21) Nitrobenzene-d5	9.004	128	242776	47.348	ng/ul	0.01
24) 2-Nitrophenol-d4	9.728	143	219199	41.234	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	10.299	165	426448	39.231	ng/ul	0.05
31) 4-Chloroaniline-d4	10.798	131	20039	1.411	ng/ul	0.03
46) Dimethylphthalate-d6	13.975	166	1131183	24.194	ng/ul	0.09
49) Acenaphthylene-d8	14.187	160	1269392	24.656	ng/ul	0.03
54) 4-Nitrophenol-d4	14.734	143	99988	13.028	ng/ul	0.06
60) Fluorene-d10	15.492	176	304033	7.747	ng/ul	0.04
65) 4,6-Dinitro-2-methylph...	15.634	200	481	0.315	ng/ul	0.05
73) Anthracene-d10	17.281	188	255011	19.022	ng/ul	-0.03
81) Pyrene-d10	19.639	212	799857	22.877	ng/ul	0.09
92) Benzo(a)pyrene-d12	23.604	264	1810772	22.589	ng/ul	0.09
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.975	77	73088	5.146	ng/ul#	1
8) Phenol	7.034	94	179325	6.648	ng/ul#	91
10) Bis(2-Chloroethyl)ether	7.263	93	322116	14.540	ng/ul#	26
16) Acetophenone	8.669	105	1195179	36.025	ng/ul	98
19) Hexachloroethane	8.934	117	249227	27.986	ng/ul#	5
22) Nitrobenzene	9.099	77	19654	1.577	ng/ul#	29
26) 2,4-Dimethylphenol	9.828	107	36731	3.300	ng/ul#	78
32) 4-Chloroaniline	10.740	127	8496863	627.551	ng/ul#	19
36) 2-Methylnaphthalene	12.498	142	330315	13.341	ng/ul#	19
37) 1-Methylnaphthalene	12.593	142	8422613	336.855	ng/ul#	98
45) 2-Nitroaniline	13.698	65	312870	32.252	ng/ul#	37
50) Acenaphthylene	14.216	152	8299796	143.385	ng/ul#	85
52) Acenaphthene	14.739	153	7109813	185.768	ng/ul#	33
56) Dibenzofuran	14.916	168	3701137	69.579	ng/ul#	80
57) 2,4-Dinitrotoluene	14.951	165	190507	15.575	ng/ul#	1
61) Fluorene	15.716	166	260346	6.185	ng/ul#	1
63) 4-Nitroaniline	15.686	138	1323118	160.006	ng/ul#	20
67) N-Nitrosodiphenylamine	15.792	169	1371753	162.332	ng/ul#	1
70) Atrazine	16.757	200	4268	1.699	ng/ul#	1
77) Carbazole	17.722	167	3858204	313.573	ng/ul#	89
78) Di-n-butylphthalate	18.239	149	91420	5.580	ng/ul#	1
80) Fluoranthene	19.216	202	574017	13.889	ng/ul#	65
85) Benzo(a)anthracene	21.286	228	456472	12.521	ng/ul#	1
86) Bis(2-ethylhexyl)phtha...	21.351	149	81284	3.875	ng/ul#	89

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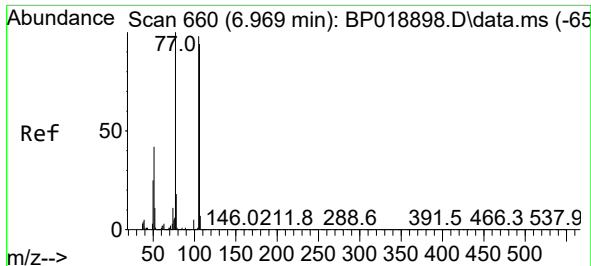
Quant Time: Dec 18 21:39:09 2023
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 Quant Title : SVOA CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Chrysene	21.557	228	14159698	421.756	ng/ul#	62
90) Benzo(b)fluoranthene	22.939	252	257385	2.539	ng/ul#	1
91) Benzo(k)fluoranthene	22.939	252	257385	2.624	ng/ul#	1
93) Benzo(a)pyrene	23.563	252	25827718	278.849	ng/ul	96
94) Indeno(1,2,3-cd)pyrene	26.009	276	389114	3.516	ng/ul#	82
95) Dibenzo(a,h)anthracene	26.045	278	173415	1.884	ng/ul#	72

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

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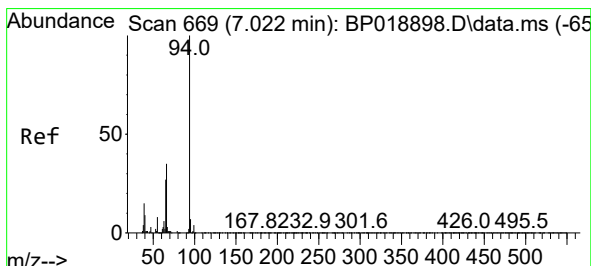
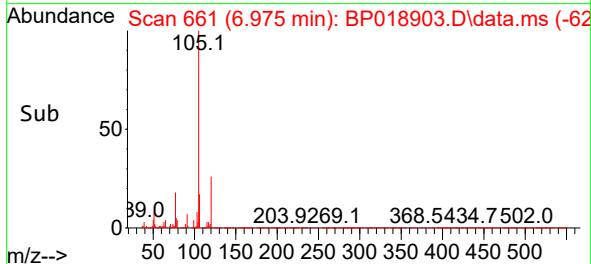
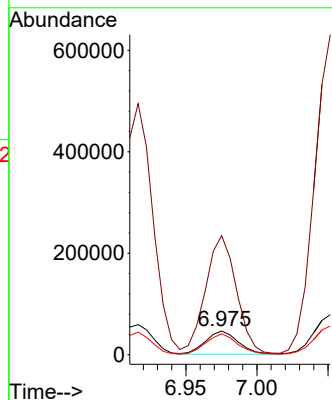
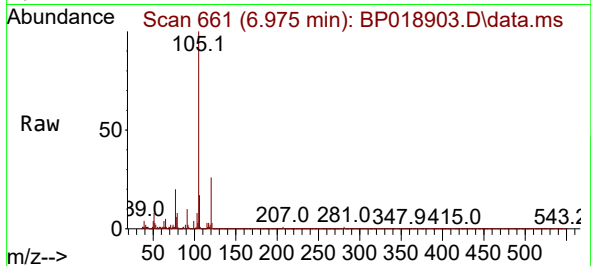




#6
Benzaldehyde
Concen: 5.146 ng/ul
RT: 6.975 min Scan# 609
Delta R.T. -0.000 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

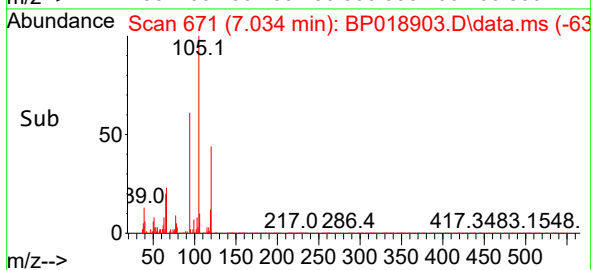
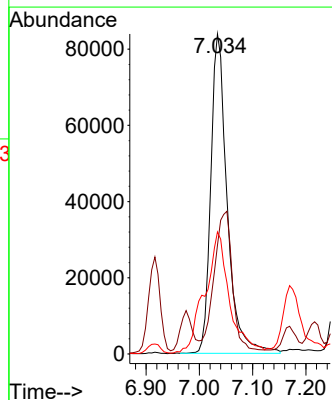
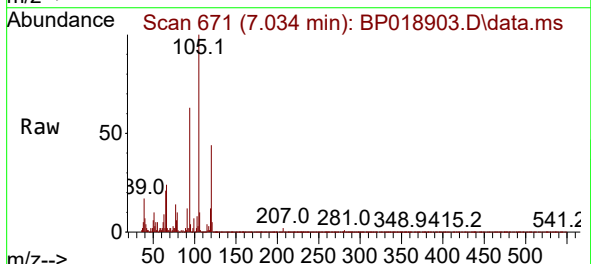
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BNA_P
ClientSampleId :
DCLF6

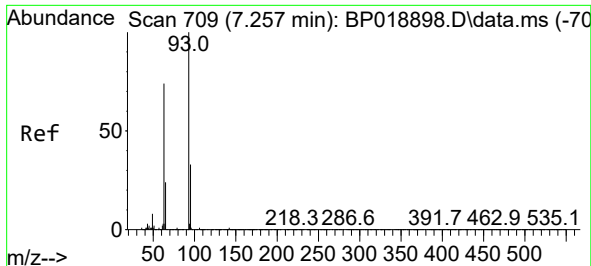
Tgt Ion: 77 Resp: 73088
Ion Ratio Lower Upper
77 100
105 502.4 77.9 116.9#
106 87.7 74.6 111.8



#8
Phenol
Concen: 6.648 ng/ul
RT: 7.034 min Scan# 671
Delta R.T. 0.006 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

Tgt Ion: 94 Resp: 179325
Ion Ratio Lower Upper
94 100
65 34.0 21.0 31.6#
66 38.2 28.6 43.0

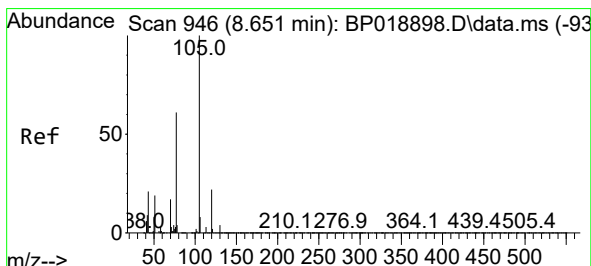
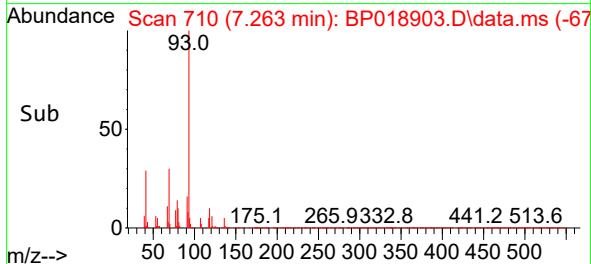
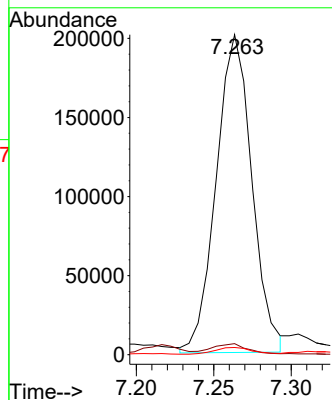
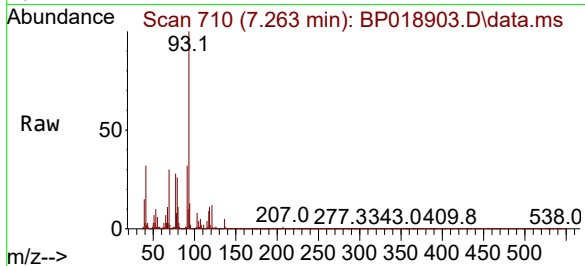




#10
Bis(2-Chloroethyl)ether
Concen: 14.540 ng/ul
RT: 7.263 min Scan# 710
Delta R.T. -0.000 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

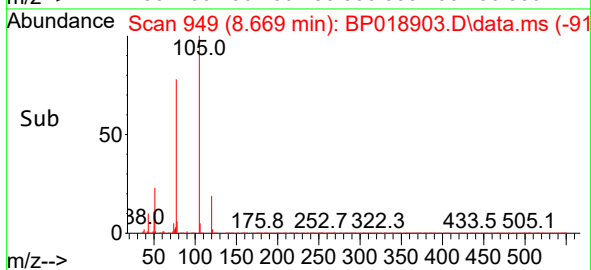
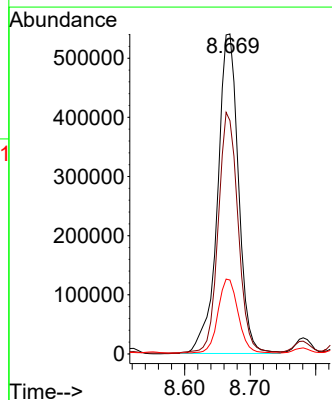
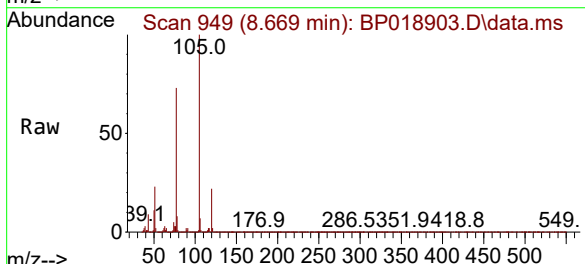
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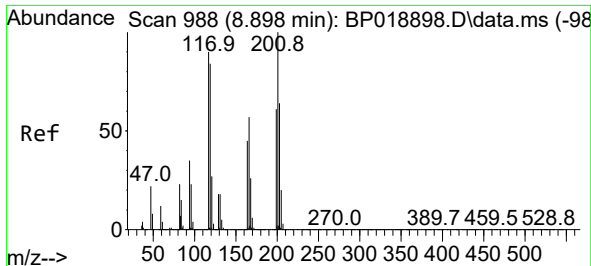
Tgt Ion: 93 Resp: 322116
Ion Ratio Lower Upper
93 100
63 3.4 58.3 87.5#
95 2.3 25.9 38.9#



#16
Acetophenone
Concen: 36.025 ng/ul
RT: 8.669 min Scan# 949
Delta R.T. 0.012 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

Tgt Ion: 105 Resp: 1195179
Ion Ratio Lower Upper
105 100
77 72.9 59.4 89.0
51 23.1 19.4 29.0





#19

Hexachloroethane

Concen: 27.986 ng/ul

RT: 8.934 min Scan# 91

Delta R.T. 0.024 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

Instrument :

BNA_P

ClientSampleId :

DCLF6

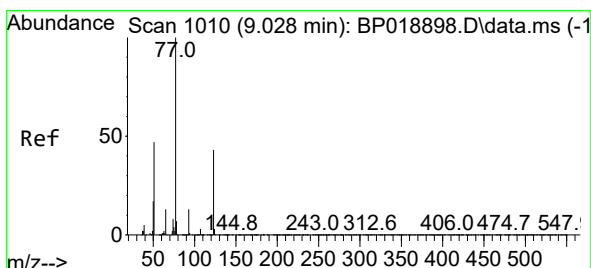
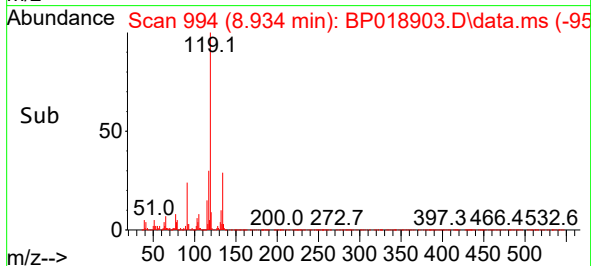
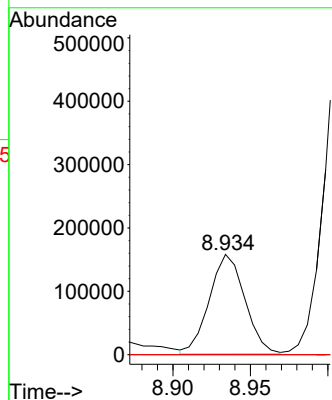
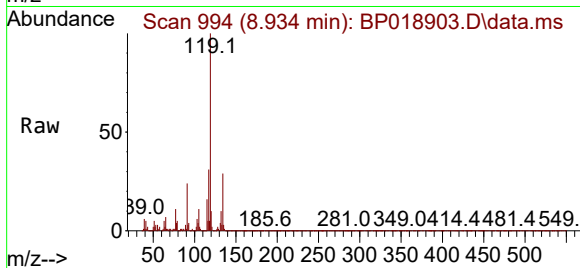
Tgt Ion:117 Resp: 249227

Ion Ratio Lower Upper

117 100

201 0.0 83.7 125.5#

199 0.0 52.3 78.5#



#22

Nitrobenzene

Concen: 1.577 ng/ul

RT: 9.099 min Scan# 1022

Delta R.T. 0.065 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

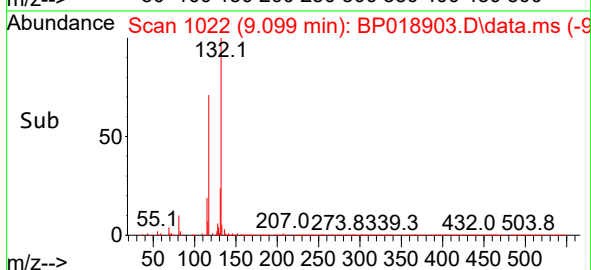
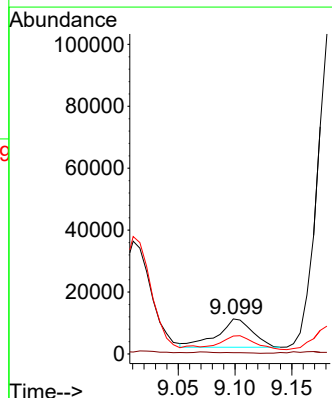
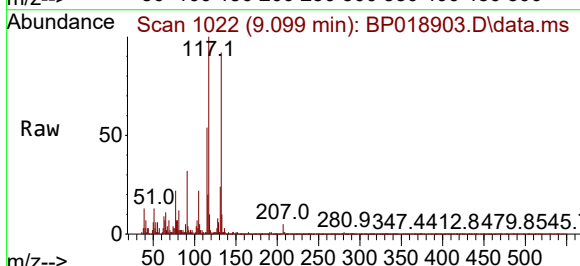
Tgt Ion: 77 Resp: 19654

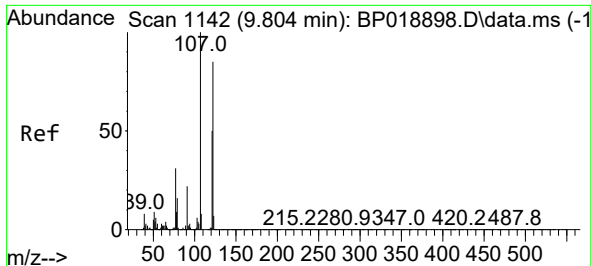
Ion Ratio Lower Upper

77 100

123 3.5 35.8 53.8#

65 51.2 10.5 15.7#

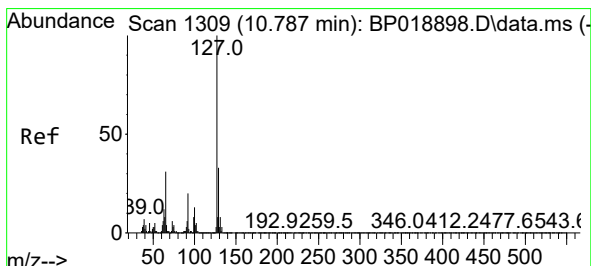
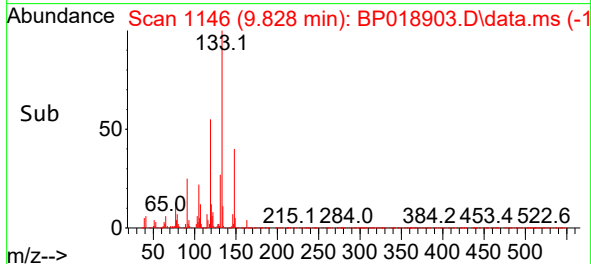
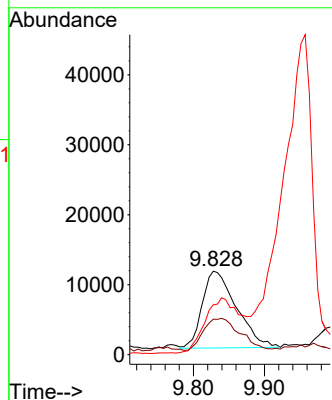
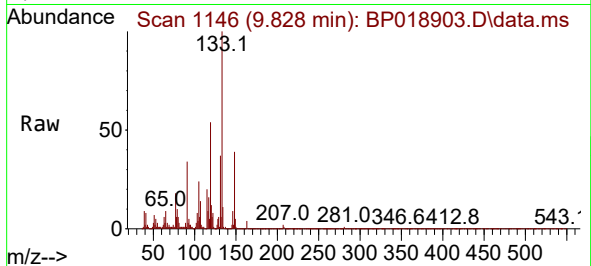




#26
2,4-Dimethylphenol
Concen: 3.300 ng/ul
RT: 9.828 min Scan# 1142
Delta R.T. 0.018 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

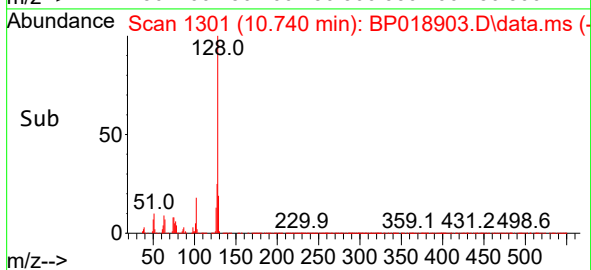
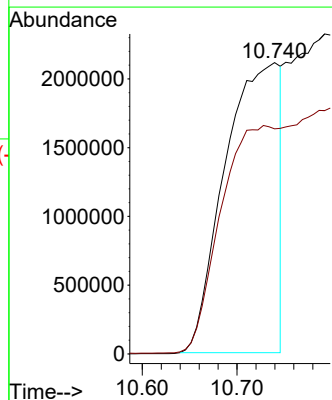
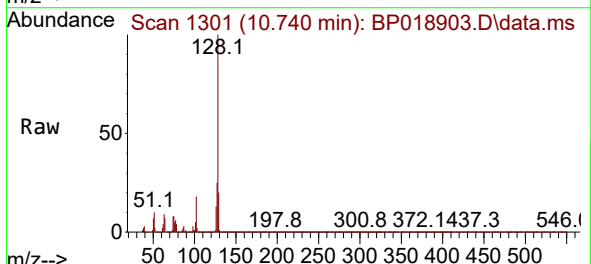
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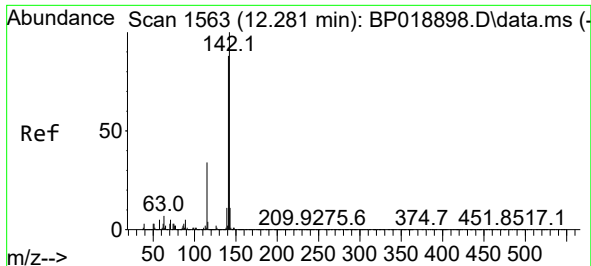
Tgt Ion:107 Resp: 36731
Ion Ratio Lower Upper
107 100
121 42.6 40.0 60.0
122 59.8 69.1 103.7#



#32
4-Chloroaniline
Concen: 627.551 ng/ul
RT: 10.740 min Scan# 1301
Delta R.T. -0.053 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

Tgt Ion:127 Resp: 8496863
Ion Ratio Lower Upper
127 100
129 77.3 25.6 38.4#

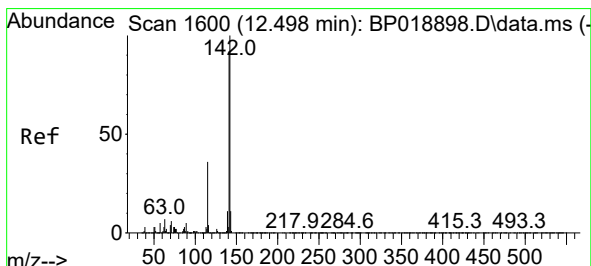
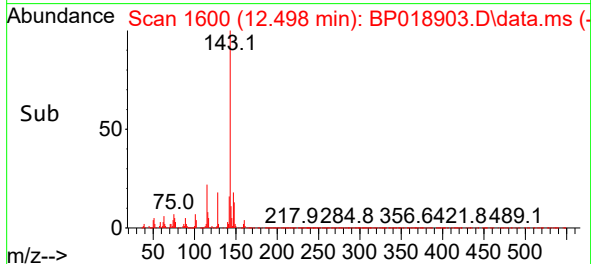
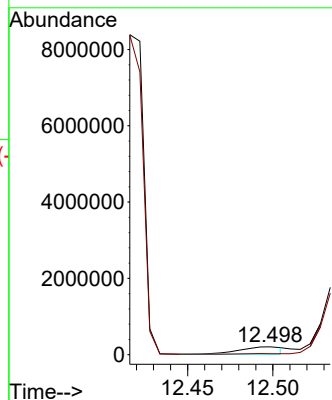
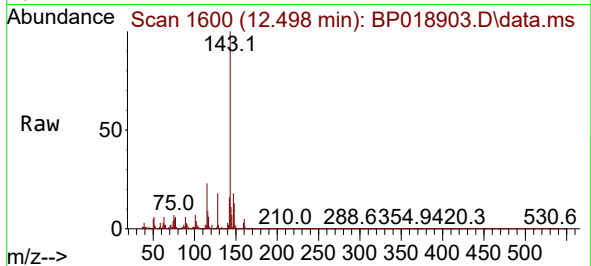




#36
2-Methylnaphthalene
Concen: 13.341 ng/ul
RT: 12.498 min Scan# 1600
Delta R.T. 0.212 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

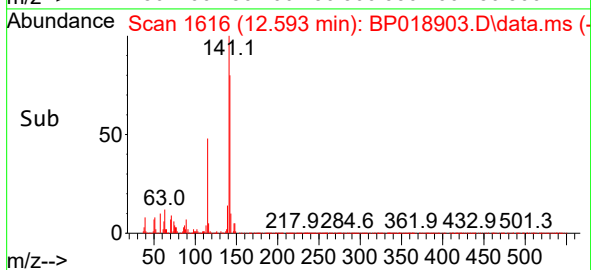
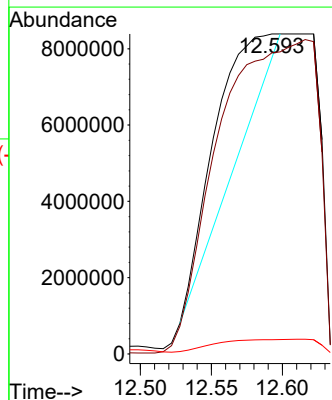
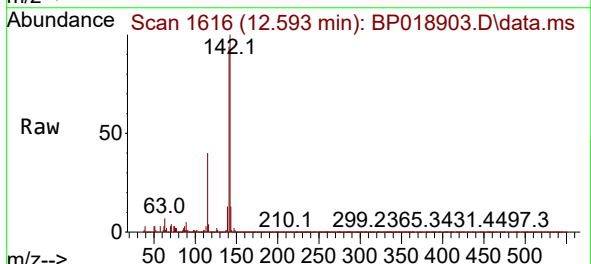
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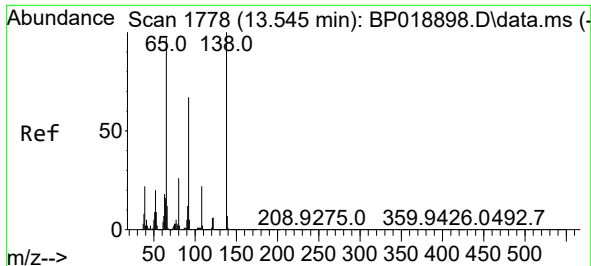
Tgt Ion:142 Resp: 330315
Ion Ratio Lower Upper
142 100
141 13.2 71.4 107.0#



#37
1-Methylnaphthalene
Concen: 336.855 ng/ul
RT: 12.593 min Scan# 1616
Delta R.T. 0.082 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

Tgt Ion:142 Resp: 8422613
Ion Ratio Lower Upper
142 100
141 94.1 73.5 110.3
116 4.4 2.8 4.2#

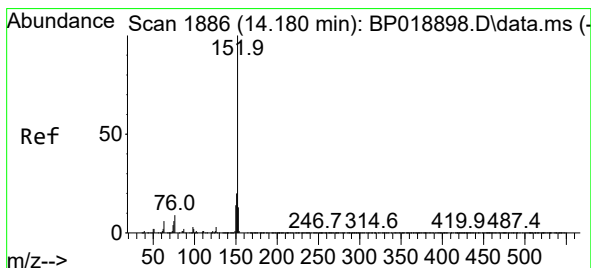
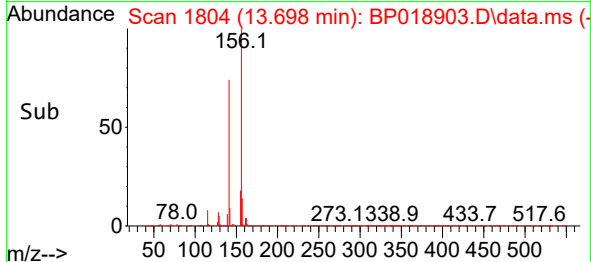
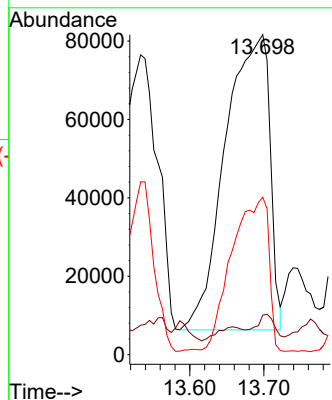
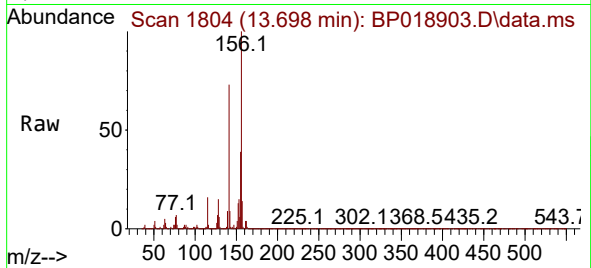




#45
2-Nitroaniline
Concen: 32.252 ng/ul
RT: 13.698 min Scan# 1804
Delta R.T. 0.147 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

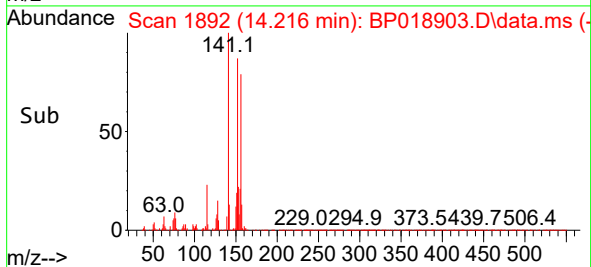
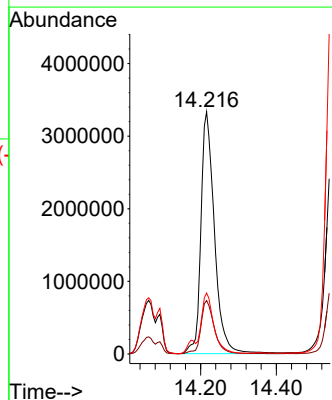
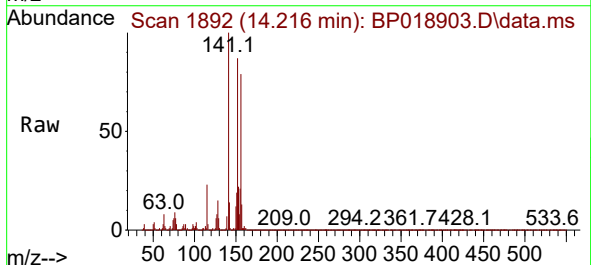
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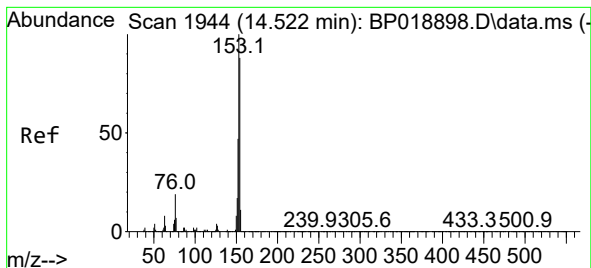
Tgt Ion: 65 Resp: 312870
Ion Ratio Lower Upper
65 100
92 12.3 56.9 85.3#
138 49.2 88.2 132.2#



#50
Acenaphthylene
Concen: 143.385 ng/ul
RT: 14.216 min Scan# 1892
Delta R.T. 0.029 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

Tgt Ion: 152 Resp: 8299796
Ion Ratio Lower Upper
152 100
151 22.0 15.9 23.9
153 25.2 10.6 16.0#





#52

Acenaphthene

Concen: 185.768 ng/ul

RT: 14.739 min Scan# 1944

Delta R.T. 0.212 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

Instrument :

BNA_P

ClientSampleId :

DCLF6

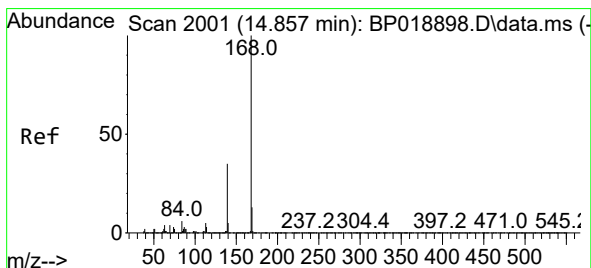
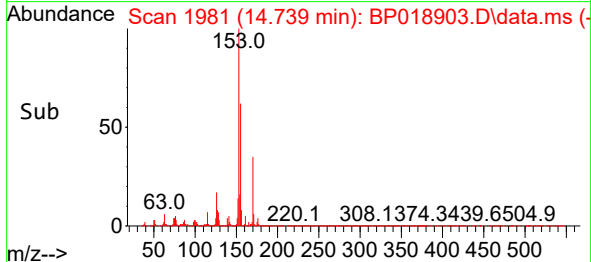
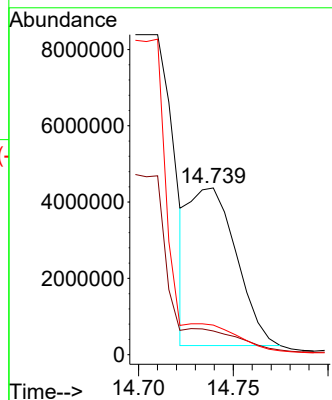
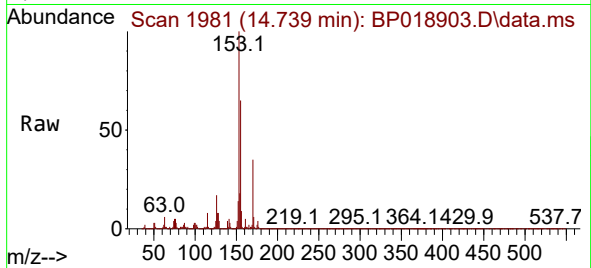
Tgt Ion:153 Resp: 7109813

Ion Ratio Lower Upper

153 100

152 14.2 38.1 57.1#

154 17.7 71.7 107.5#



#56

Dibenzofuran

Concen: 69.579 ng/ul

RT: 14.916 min Scan# 2011

Delta R.T. 0.053 min

Lab File: BP018903.D

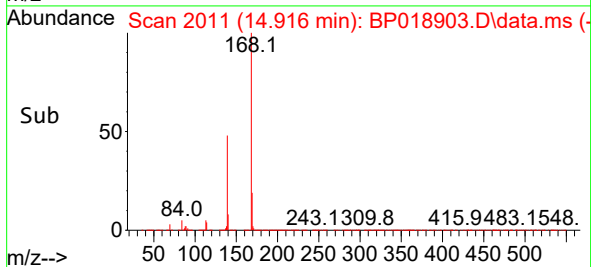
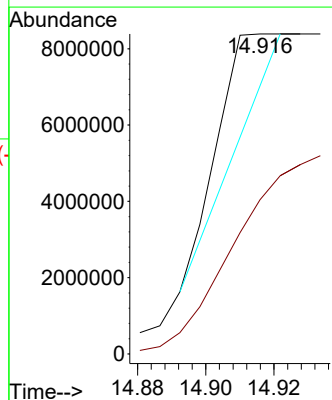
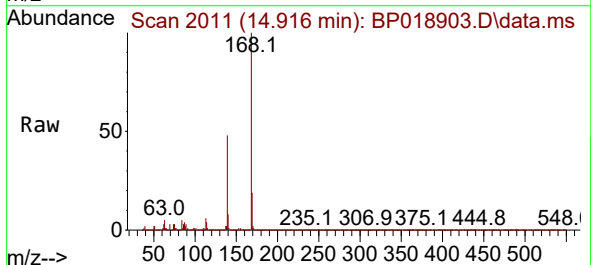
Acq: 18 Dec 2023 12:57

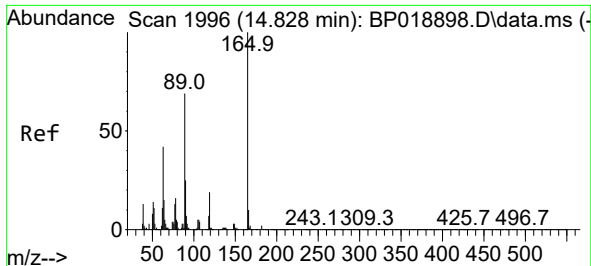
Tgt Ion:168 Resp: 3701137

Ion Ratio Lower Upper

168 100

139 48.2 29.1 43.7#

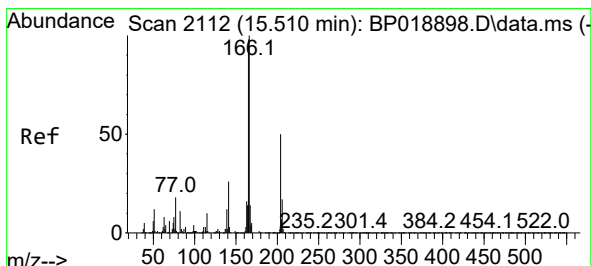
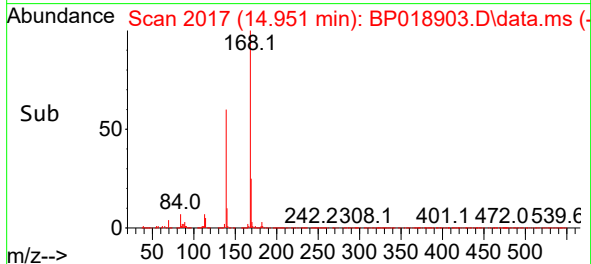
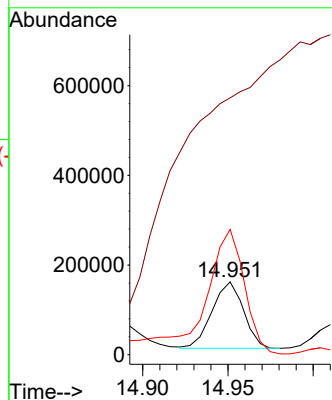
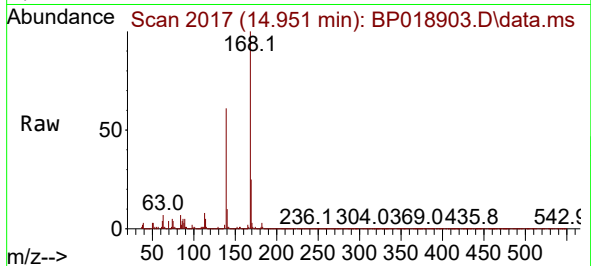




#57
2,4-Dinitrotoluene
Concen: 15.575 ng/ul
RT: 14.951 min Scan# 20
Delta R.T. 0.118 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

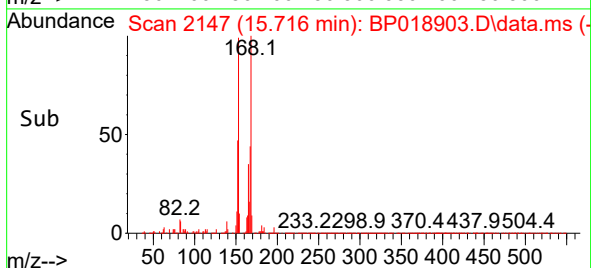
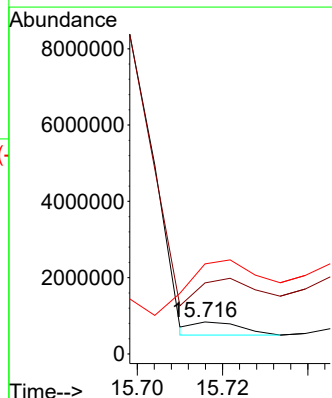
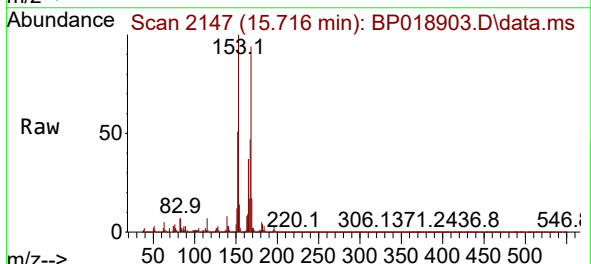
Instrument :
BNA_P
ClientSampleId :
DCLF6

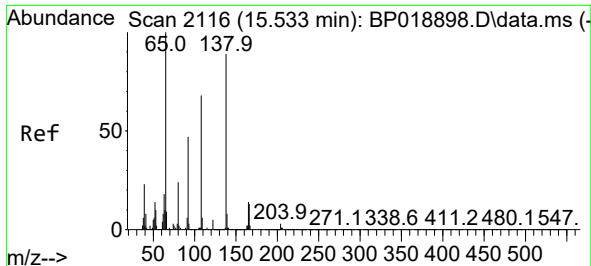
Tgt Ion:165 Resp: 190507
Ion Ratio Lower Upper
165 100
63 353.1 32.7 49.1#
182 172.3 2.1 3.1#



#61
Fluorene
Concen: 6.185 ng/ul
RT: 15.716 min Scan# 2147
Delta R.T. 0.200 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

Tgt Ion:166 Resp: 260346
Ion Ratio Lower Upper
166 100
165 222.2 78.0 117.0#
167 281.4 10.8 16.2#

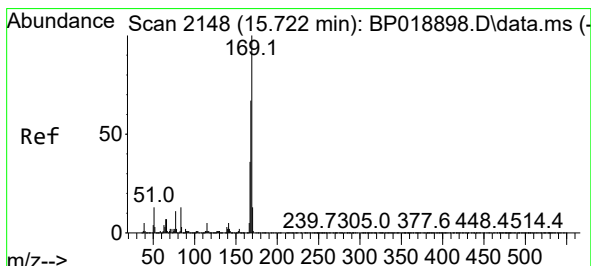
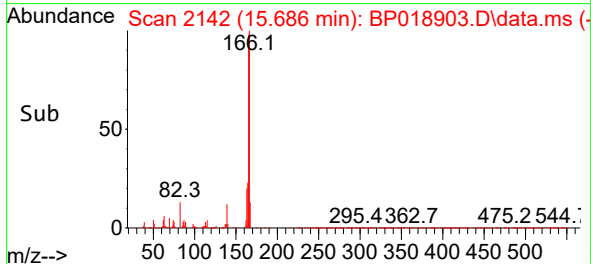
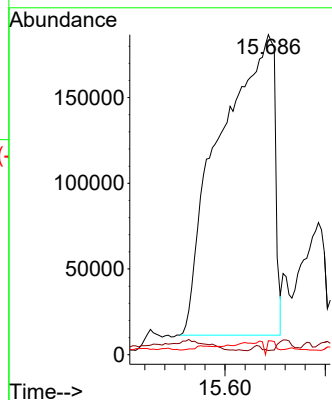
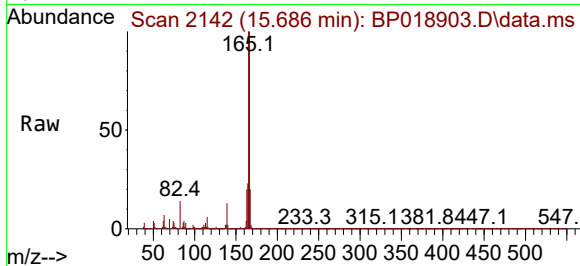




#63
4-Nitroaniline
Concen: 160.006 ng/ul
RT: 15.686 min Scan# 2116
Delta R.T. 0.147 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

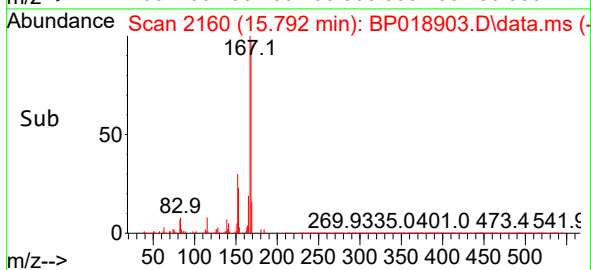
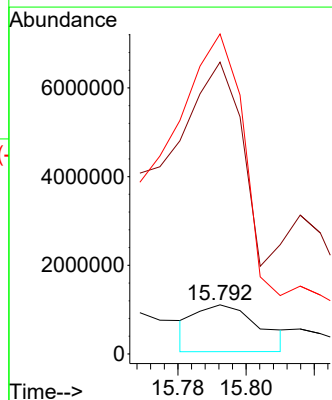
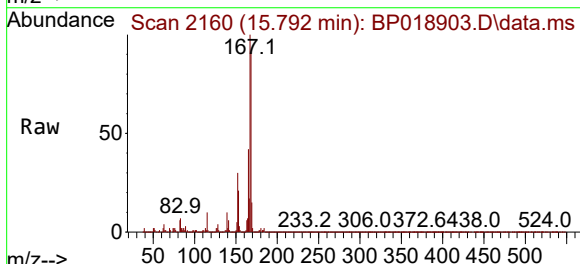
Instrument :
BNA_P
ClientSampleId :
DCLF6

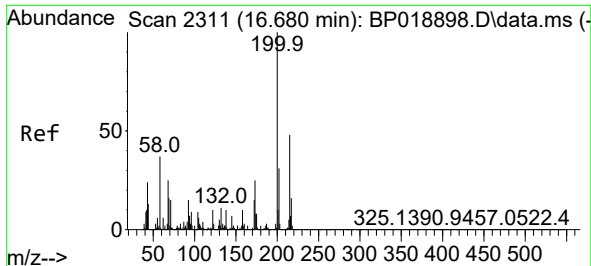
Tgt Ion:138 Resp: 1323118
Ion Ratio Lower Upper
138 100
92 1.3 42.3 63.5#
108 4.4 62.0 93.0#



#67
N-Nitrosodiphenylamine
Concen: 162.332 ng/ul
RT: 15.792 min Scan# 2160
Delta R.T. 0.065 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

Tgt Ion:169 Resp: 1371753
Ion Ratio Lower Upper
169 100
168 594.4 53.1 79.7#
167 651.7 29.1 43.7#

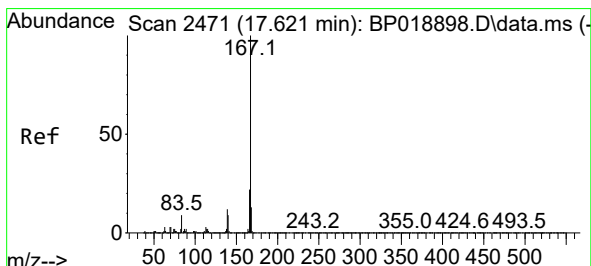
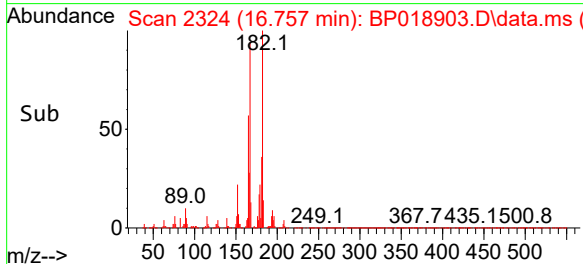
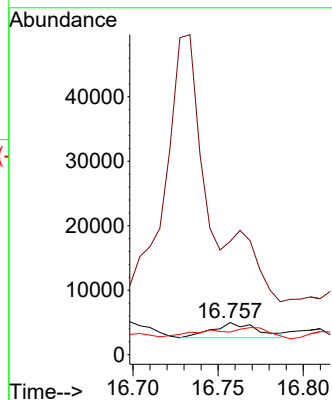
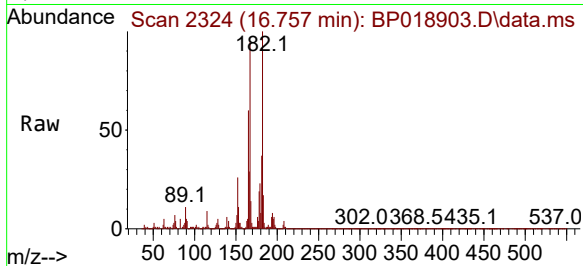




#70
Atrazine
Concen: 1.699 ng/ul
RT: 16.757 min Scan# 21
Delta R.T. 0.076 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

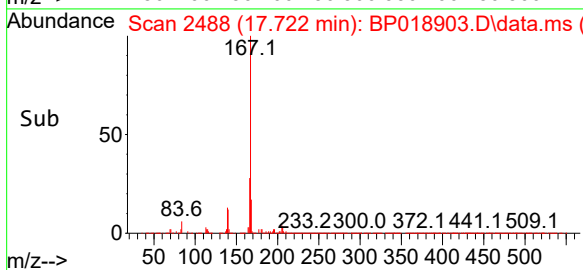
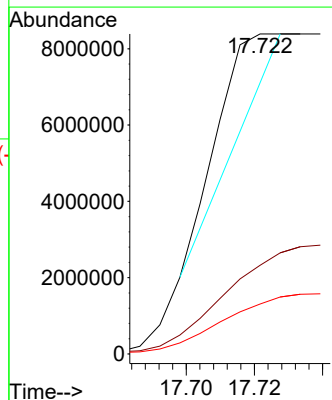
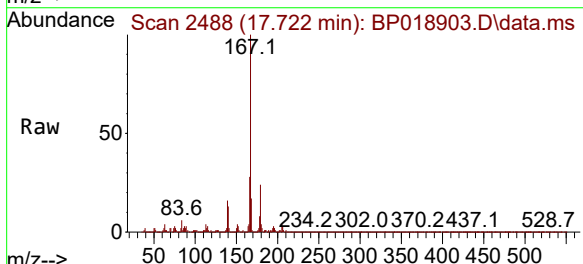
Instrument :
BNA_P
ClientSampleId :
DCLF6

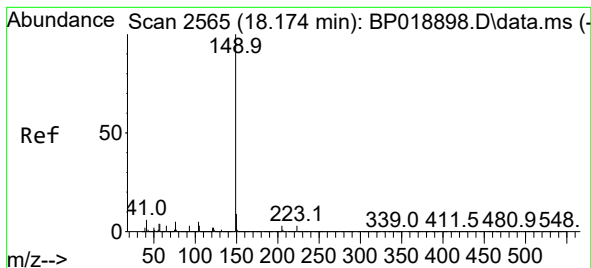
Tgt Ion:200 Resp: 4268
Ion Ratio Lower Upper
200 100
173 353.0 21.0 31.4#
215 70.5 38.2 57.2#



#77
Carbazole
Concen: 313.573 ng/ul
RT: 17.722 min Scan# 2488
Delta R.T. 0.100 min
Lab File: BP018903.D
Acq: 18 Dec 2023 12:57

Tgt Ion:167 Resp: 3858204
Ion Ratio Lower Upper
167 100
166 27.7 17.1 25.7#
139 15.6 10.2 15.4#





#78

Di-n-butylphthalate

Concen: 5.580 ng/ul

RT: 18.239 min Scan# 21

Delta R.T. 0.059 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

Instrument :

BNA_P

ClientSampleId :

DCLF6

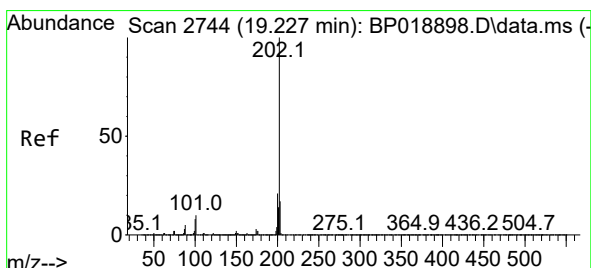
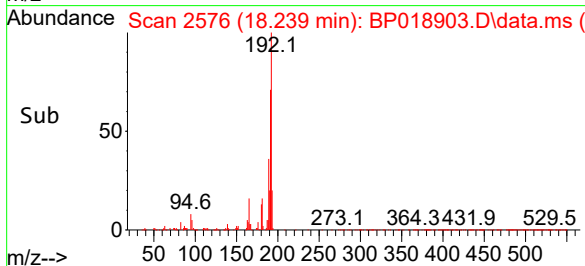
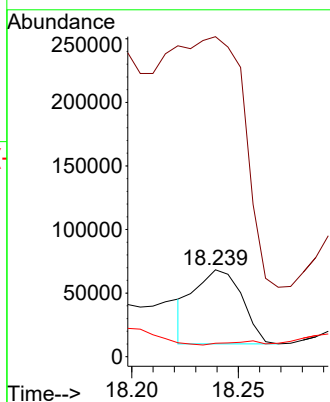
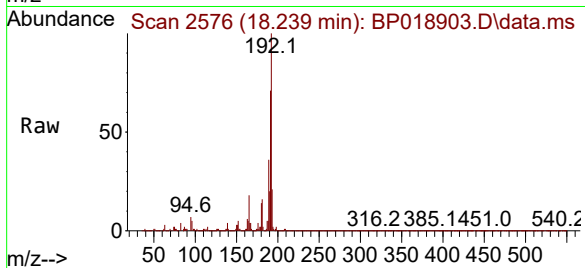
Tgt Ion:149 Resp: 91420

Ion Ratio Lower Upper

149 100

150 368.2 7.4 11.2#

104 15.4 3.9 5.9#



#80

Fluoranthene

Concen: 13.889 ng/ul

RT: 19.216 min Scan# 2742

Delta R.T. -0.012 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

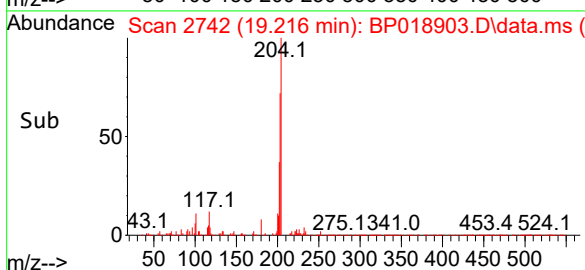
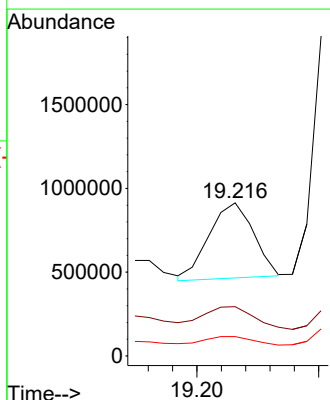
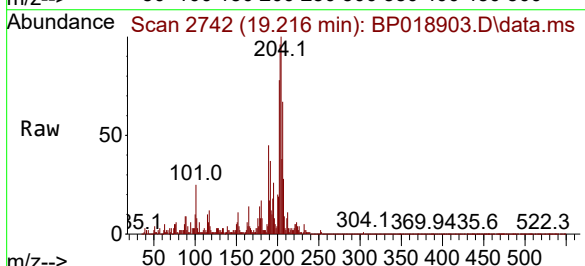
Tgt Ion:202 Resp: 574017

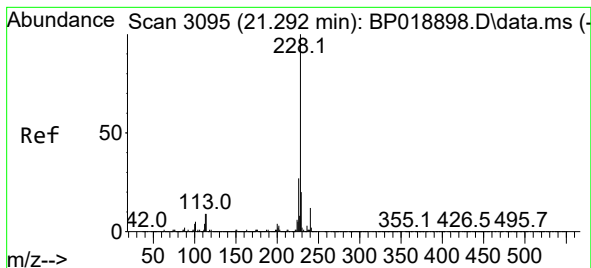
Ion Ratio Lower Upper

202 100

101 32.1 9.1 13.7#

100 12.7 7.1 10.7#





#85

Benzo(a)anthracene

Concen: 12.521 ng/ul

RT: 21.286 min Scan# 3105

Delta R.T. -0.000 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

Instrument :

BNA_P

ClientSampleId :

DCLF6

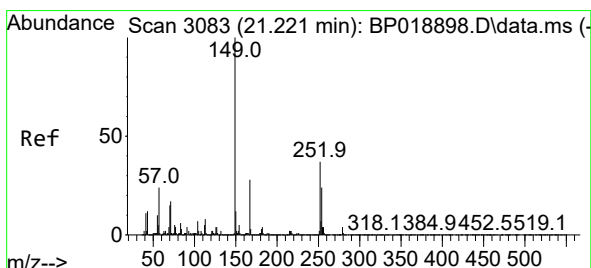
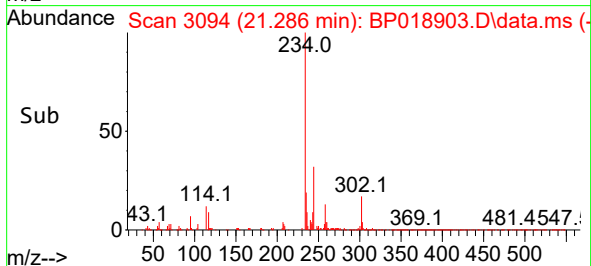
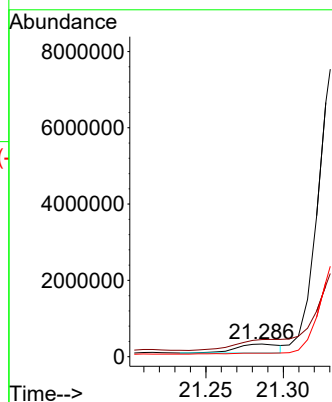
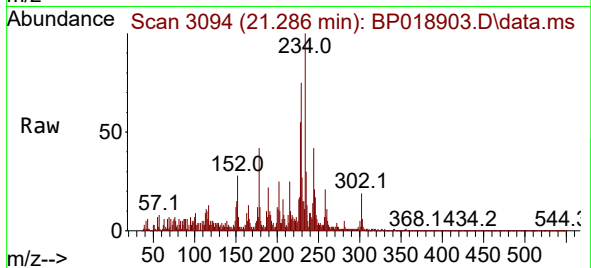
Tgt Ion:228 Resp: 456472

Ion Ratio Lower Upper

228 100

229 136.4 15.7 23.5#

226 28.7 21.9 32.9



#86

Bis(2-ethylhexyl)phthalate

Concen: 3.875 ng/ul

RT: 21.351 min Scan# 3105

Delta R.T. 0.135 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

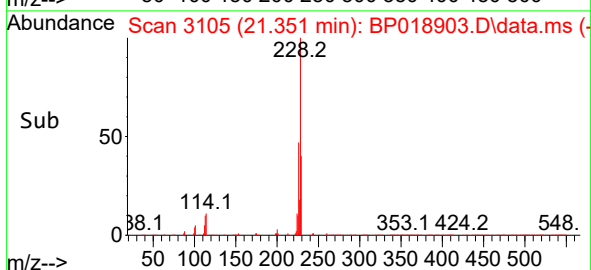
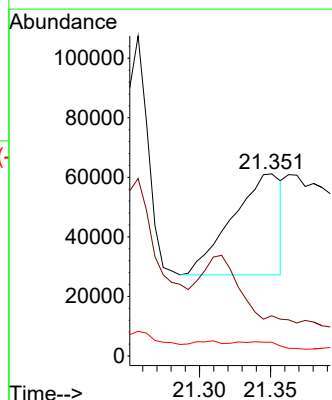
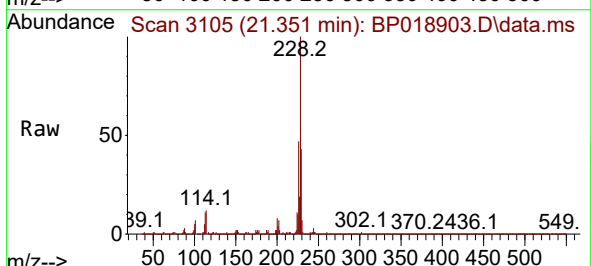
Tgt Ion:149 Resp: 81284

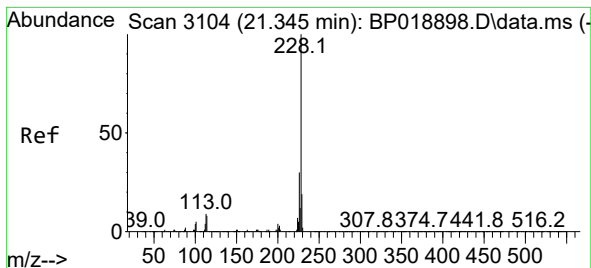
Ion Ratio Lower Upper

149 100

167 22.1 22.2 33.2#

279 7.6 3.3 4.9#





#87

Chrysene

Concen: 421.756 ng/ul

RT: 21.557 min Scan# 3104

Delta R.T. 0.218 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

Instrument :

BNA_P

ClientSampleId :

DCLF6

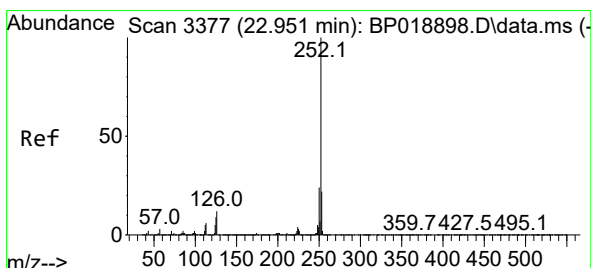
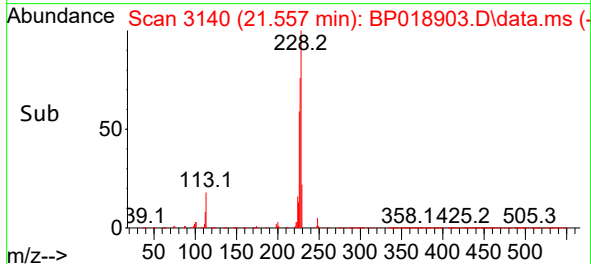
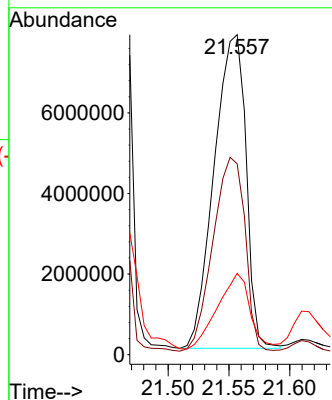
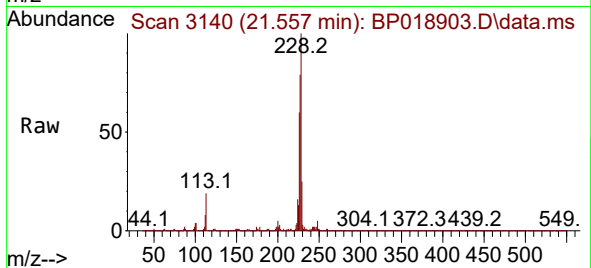
Tgt Ion:228 Resp:14159698

Ion Ratio Lower Upper

228 100

226 59.6 23.9 35.9#

229 25.4 15.6 23.4#



#90

Benzo(b)fluoranthene

Concen: 2.539 ng/ul

RT: 22.939 min Scan# 3375

Delta R.T. -0.006 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

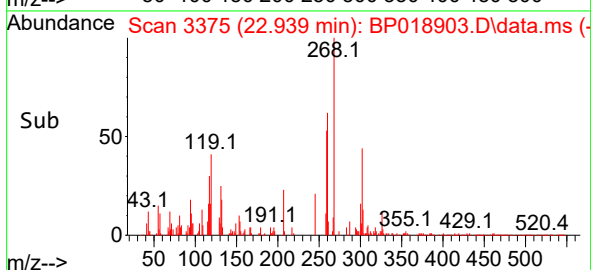
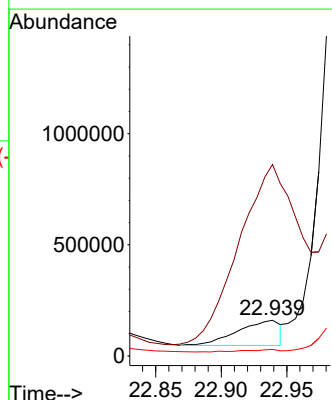
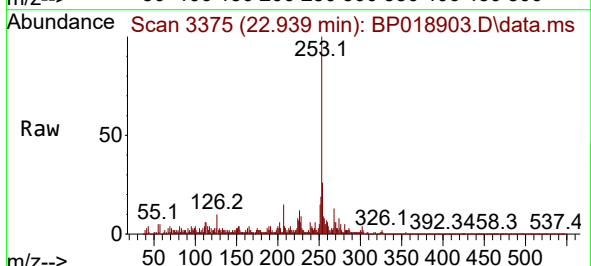
Tgt Ion:252 Resp: 257385

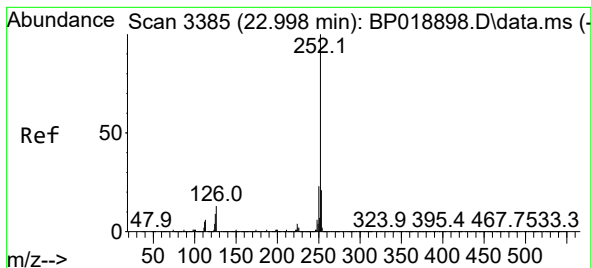
Ion Ratio Lower Upper

252 100

253 535.9 17.3 25.9#

125 18.2 7.8 11.6#





#91

Benzo(k)fluoranthene

Concen: 2.624 ng/ul

RT: 22.939 min Scan# 31

Delta R.T. -0.053 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

Instrument :

BNA_P

ClientSampleId :

DCLF6

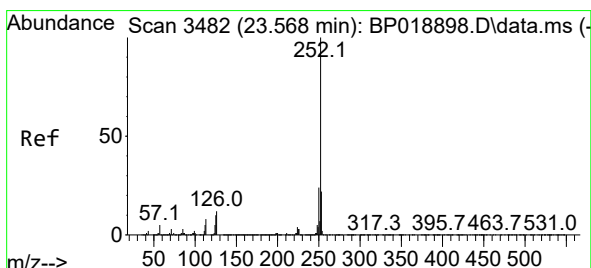
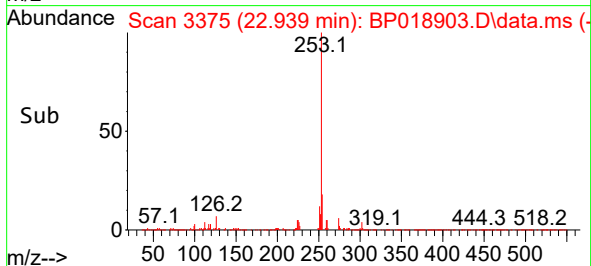
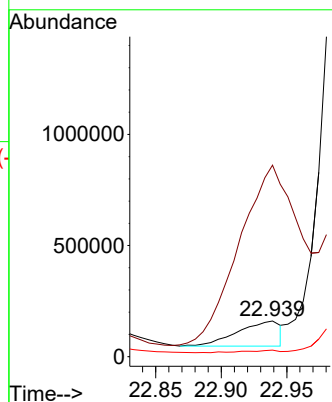
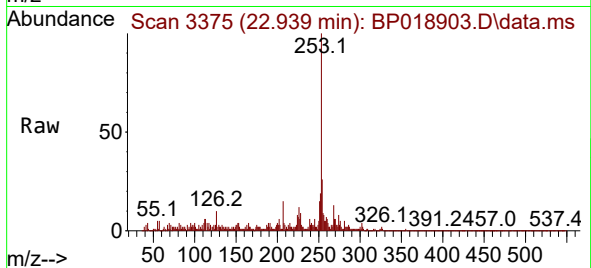
Tgt Ion:252 Resp: 257385

Ion Ratio Lower Upper

252 100

253 535.9 17.7 26.5#

125 18.2 8.0 12.0#



#93

Benzo(a)pyrene

Concen: 278.849 ng/ul

RT: 23.563 min Scan# 3481

Delta R.T. -0.000 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

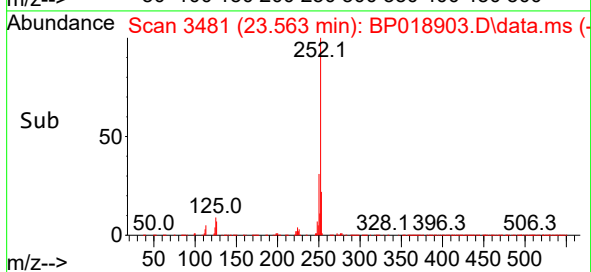
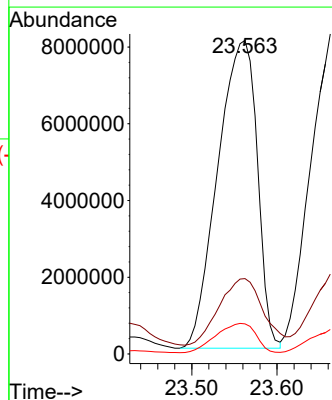
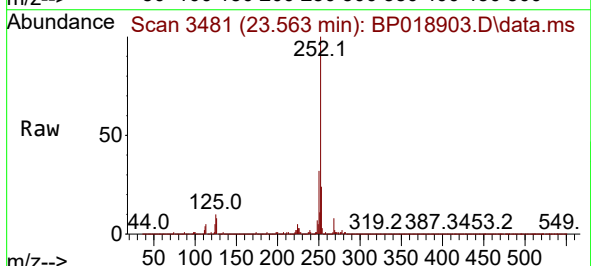
Tgt Ion:252 Resp:25827718

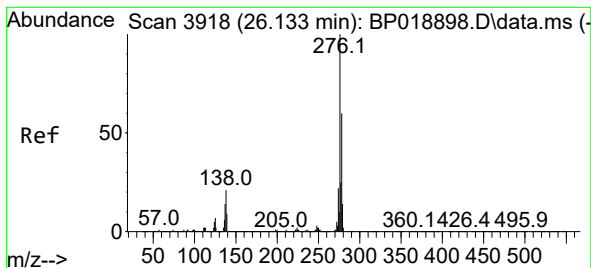
Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

125 9.6 9.2 13.8





#94

Indeno(1,2,3-cd)pyrene

Concen: 3.516 ng/ul

RT: 26.009 min Scan# 3918

Delta R.T. -0.112 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

Instrument :

BNA_P

ClientSampleId :

DCLF6

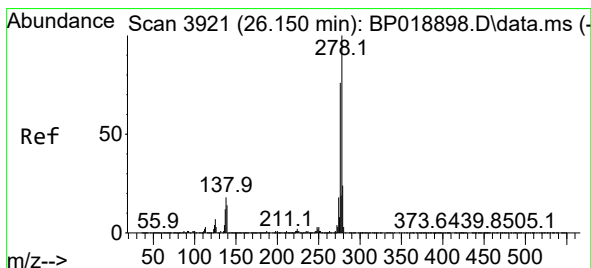
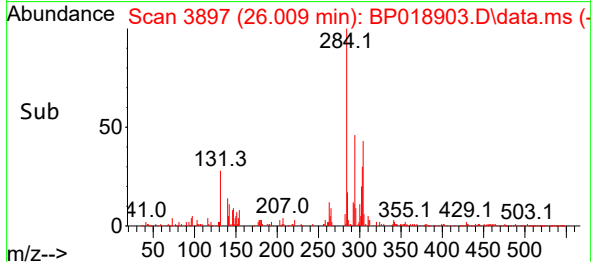
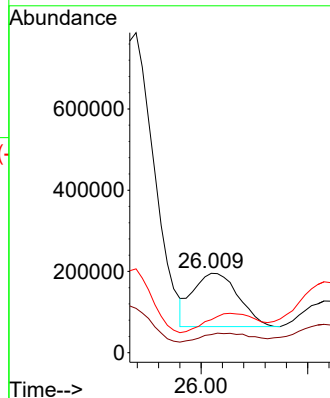
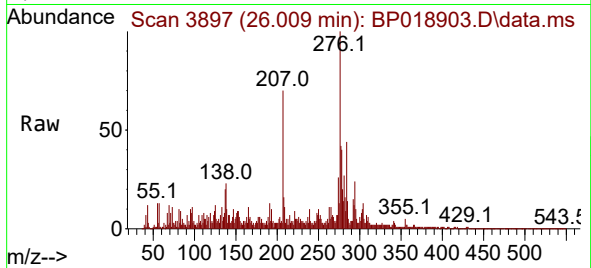
Tgt Ion:276 Resp: 389114

Ion Ratio Lower Upper

276 100

138 22.9 19.4 29.2

277 41.5 19.8 29.6#



#95

Dibenzo(a,h)anthracene

Concen: 1.884 ng/ul

RT: 26.045 min Scan# 3903

Delta R.T. -0.094 min

Lab File: BP018903.D

Acq: 18 Dec 2023 12:57

Tgt Ion:278 Resp: 173415

Ion Ratio Lower Upper

278 100

139 17.8 13.0 19.6

279 45.1 18.7 28.1#

