

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121823\
 Data File : BP018902.D
 Acq On : 18 Dec 2023 12:23
 Operator : MA/JU
 Sample : 05626-08
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF4

Quant Time: Dec 18 21:38:48 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	222963	20.000	ng/ul	0.00
20) Naphthalene-d8	10.628	136	822952	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.481	164	555059	20.000	ng/ul	# 0.02
64) Phenanthrene-d10	17.239	188	585106	20.000	ng/ul	0.02
79) Chrysene-d12	21.345	240	726361	20.000	ng/ul	# 0.04
88) Perylene-d12	23.545	264	885736	20.000	ng/ul	-0.12
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.264	96	12015	1.836	ng/uL	0.00
4) Pyridine-d5	3.681	84	86229	4.920	ng/ul	0.00
7) Phenol-d5	6.999	99	248841	11.121	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.163	67	142352	10.734	ng/ul	0.00
11) 2-Chlorophenol-d4	7.357	132	196179	11.236	ng/ul	0.00
15) 4-Methylphenol-d8	8.540	113	190945	10.545	ng/ul	0.00
21) Nitrobenzene-d5	8.987	128	90801	12.397	ng/ul	0.00
24) 2-Nitrophenol-d4	9.710	143	93638	12.331	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.251	165	200595	12.918	ng/ul	0.00
31) 4-Chloroaniline-d4	10.769	131	104395	5.144	ng/ul	0.00
46) Dimethylphthalate-d6	13.898	166	570873	11.524	ng/ul	0.02
49) Acenaphthylene-d8	14.157	160	612413	11.227	ng/ul	0.00
54) 4-Nitrophenol-d4	14.710	143	94318	11.599	ng/ul	0.04
60) Fluorene-d10	15.475	176	517582	12.447	ng/ul	0.02
65) 4,6-Dinitro-2-methylph...	15.586	200	276	0.079	ng/ul	0.00
73) Anthracene-d10	17.422	188	462270	15.028	ng/ul	0.11
81) Pyrene-d10	19.592	212	624512	11.045	ng/ul	0.04
92) Benzo(a)pyrene-d12	23.545	264	937428	18.151	ng/ul	0.03
Target Compounds						
					Qvalue	
6) Benzaldehyde	6.969	77	22864	1.979	ng/ul#	62
8) Phenol	7.028	94	93743	4.272	ng/ul	96
16) Acetophenone	8.652	105	540862	20.042	ng/ul	99
19) Hexachloroethane	8.928	117	24858	3.432	ng/ul#	6
30) Naphthalene	10.687	128	18136109	363.279	ng/ul	95
32) 4-Chloroaniline	10.687	127	2586935	133.752	ng/ul#	12
36) 2-Methylnaphthalene	12.310	142	19172453	542.088	ng/ul	99
37) 1-Methylnaphthalene	12.528	142	13379422	374.592	ng/ul#	98
43) 1,1'-Biphenyl	13.298	154	5143214	107.140	ng/ul	98
50) Acenaphthylene	14.192	152	2788990	45.474	ng/ul#	89
52) Acenaphthene	14.563	153	21316901	525.676	ng/ul	98
57) 2,4-Dinitrotoluene	14.851	165	131908	10.178	ng/ul#	47
61) Fluorene	15.445	166	180156	4.040	ng/ul#	1
63) 4-Nitroaniline	15.586	138	604167	68.957	ng/ul#	20
67) N-Nitrosodiphenylamine	15.739	169	334240	17.239	ng/ul#	1
71) Pentachlorophenol	16.980	266	17294	3.526	ng/ul	96
74) Anthracene	17.433	178	1943635	54.872	ng/ul#	61
77) Carbazole	17.545	167	45650	1.617	ng/ul#	1
78) Di-n-butylphthalate	18.175	149	74489	1.982	ng/ul#	1
80) Fluoranthene	19.245	202	3551152	53.134	ng/ul	96
82) Pyrene	19.516	202	351466	5.213	ng/ul#	82
85) Benzo(a)anthracene	21.374	228	2003820	33.987	ng/ul#	79
86) Bis(2-ethylhexyl)phtha...	21.227	149	249106	7.343	ng/ul#	87
87) Chrysene	21.374	228	2003820	36.907	ng/ul#	82

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QLast Update : Wed Dec 13 23:34:47 2023
Response via : Initial Calibration

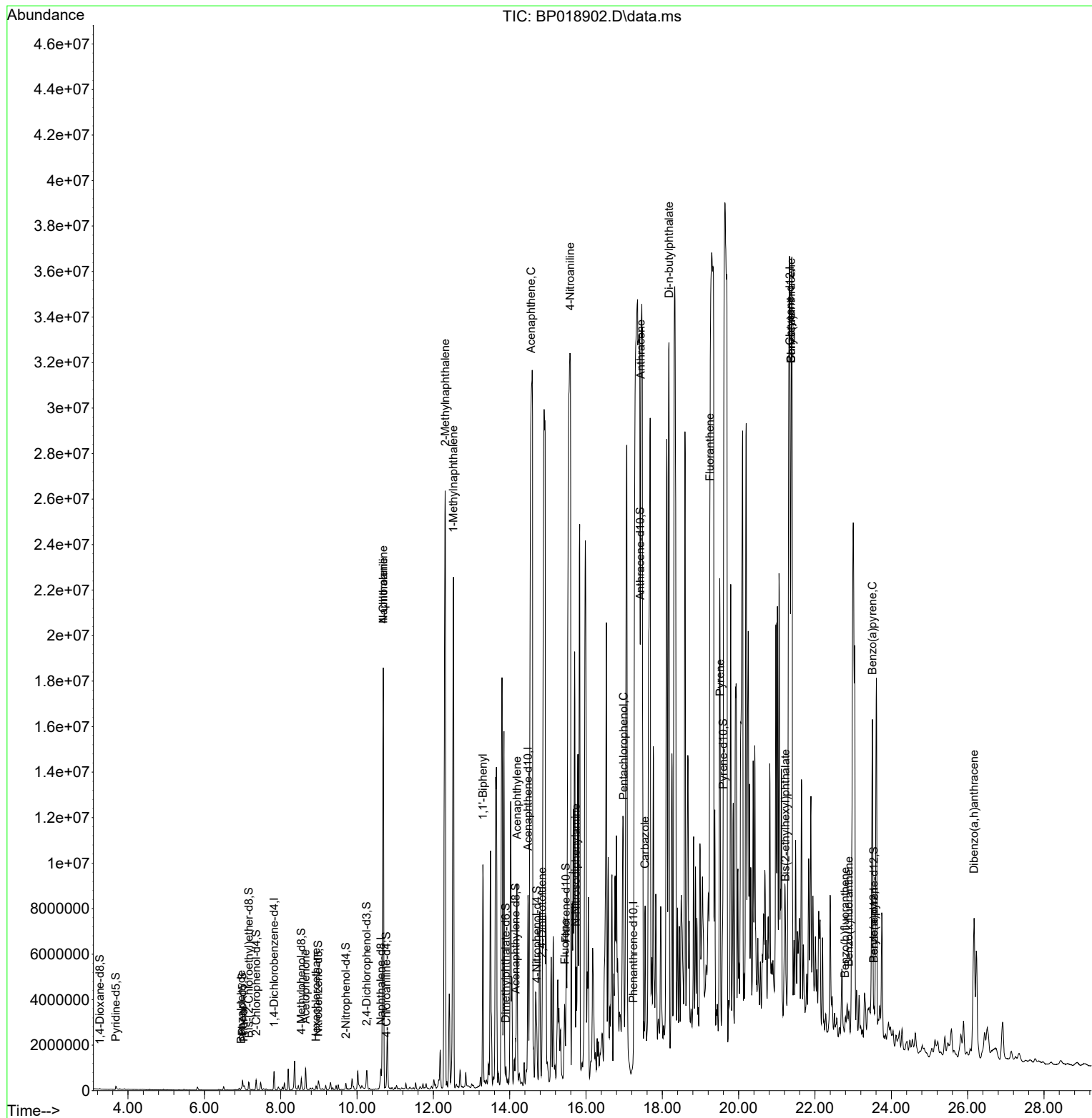
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(b)fluoranthene	22.786	252	71615	1.097	ng/ul#	28
91) Benzo(k)fluoranthene	22.886	252	159565	2.525	ng/ul#	1
93) Benzo(a)pyrene	23.504	252	11736824	196.688	ng/ul	98
95) Dibenzo(a,h)anthracene	26.168	278	1506774	25.406	ng/ul	95

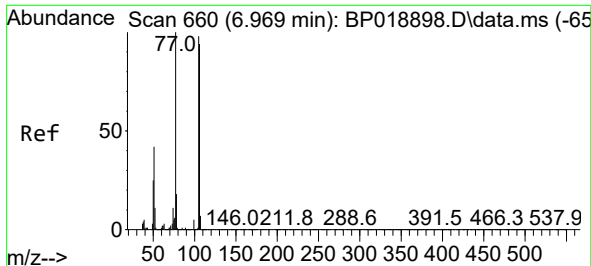
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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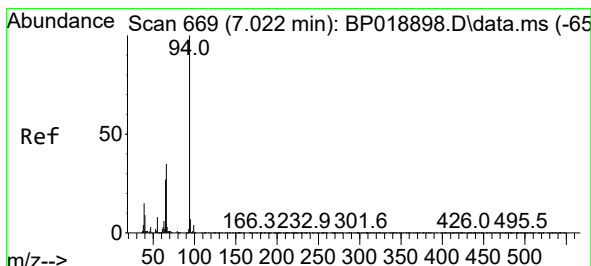
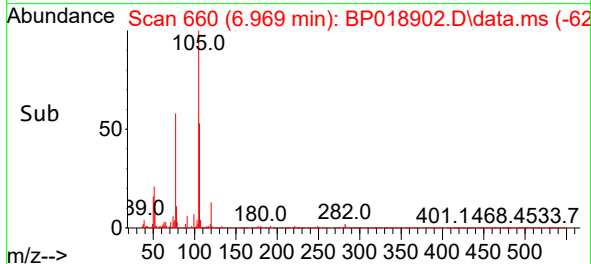
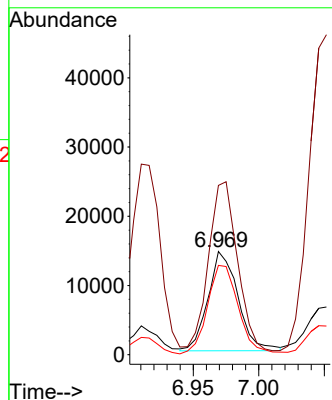
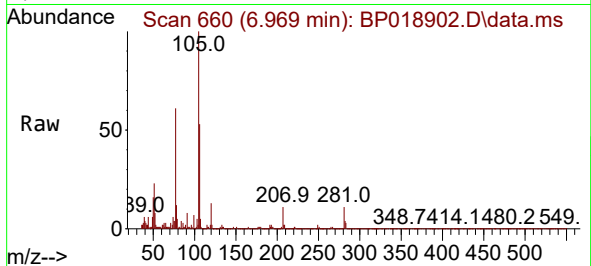




#6
Benzaldehyde
Concen: 1.979 ng/ul
RT: 6.969 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

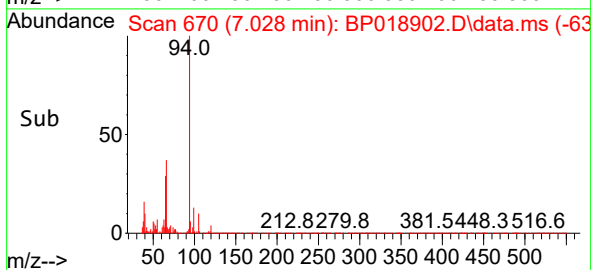
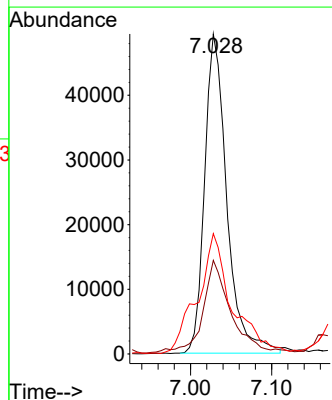
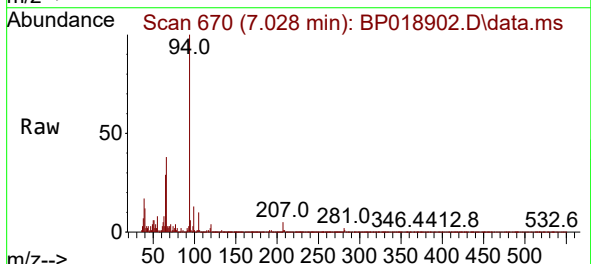
Instrument :
BNA_P
ClientSampleId :
DCLF4

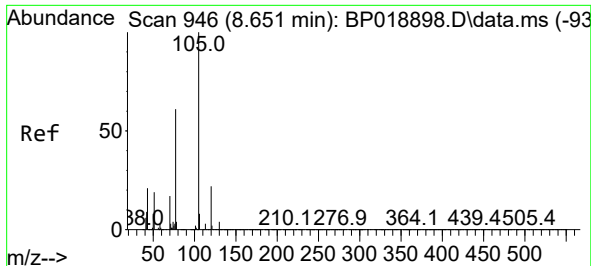
Tgt Ion: 77 Resp: 22864
Ion Ratio Lower Upper
77 100
105 164.1 77.9 116.9#
106 86.6 74.6 111.8



#8
Phenol
Concen: 4.272 ng/ul
RT: 7.028 min Scan# 670
Delta R.T. -0.000 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Tgt Ion: 94 Resp: 93743
Ion Ratio Lower Upper
94 100
65 29.3 21.0 31.6
66 37.6 28.6 43.0

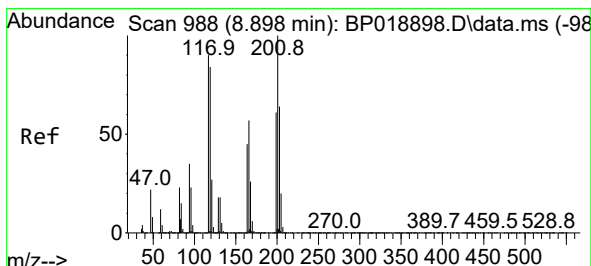
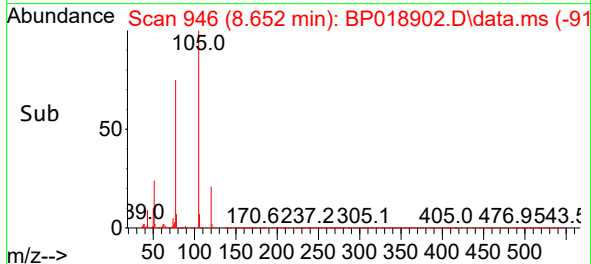
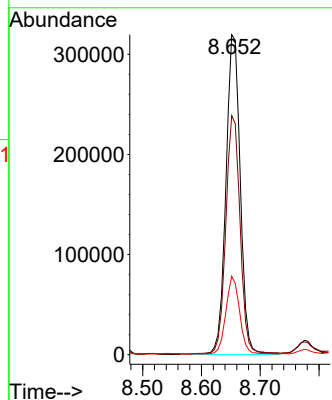
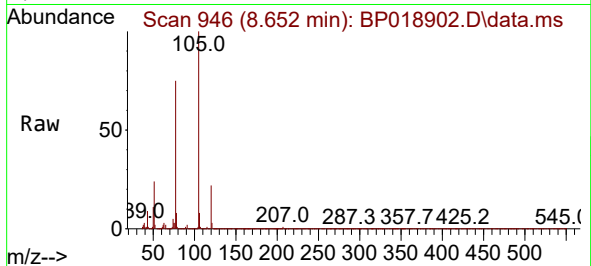




#16
Acetophenone
Concen: 20.042 ng/ul
RT: 8.652 min Scan# 946
Delta R.T. -0.006 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

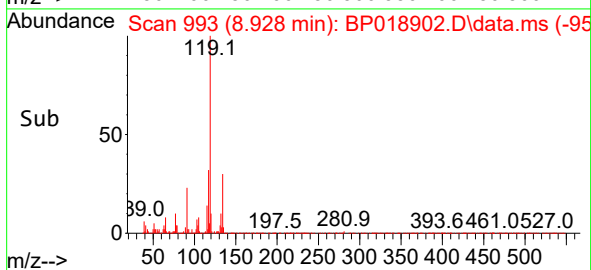
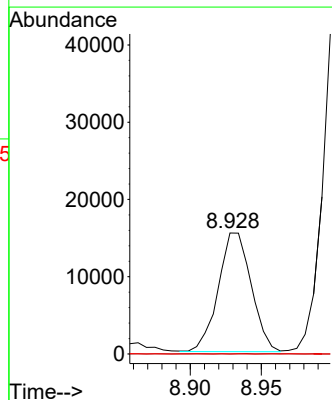
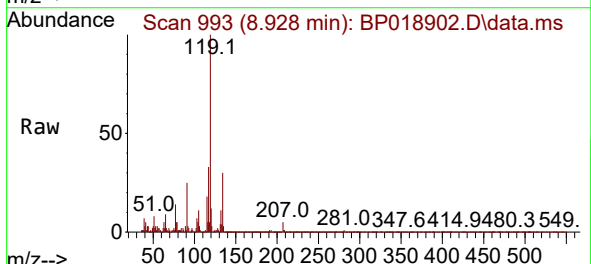
Instrument :
BNA_P
ClientSampleId :
DCLF4

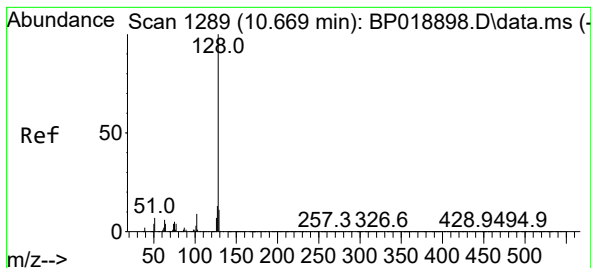
Tgt Ion:105 Resp: 540862
Ion Ratio Lower Upper
105 100
77 74.7 59.4 89.0
51 24.5 19.4 29.0



#19
Hexachloroethane
Concen: 3.432 ng/ul
RT: 8.928 min Scan# 993
Delta R.T. 0.018 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Tgt Ion:117 Resp: 24858
Ion Ratio Lower Upper
117 100
201 0.1 83.7 125.5#
199 0.1 52.3 78.5#

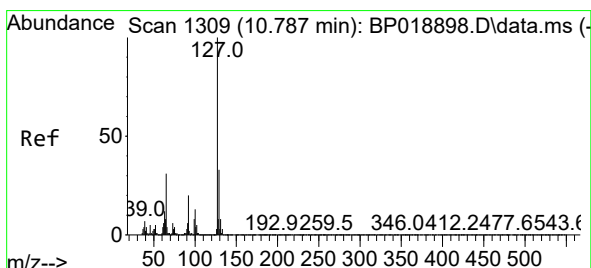
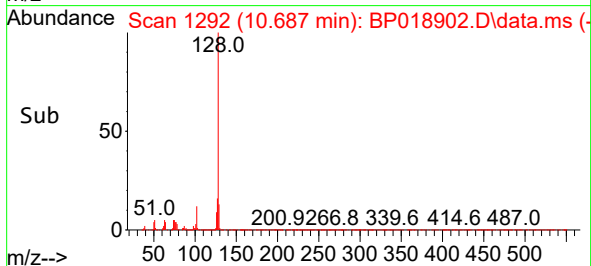
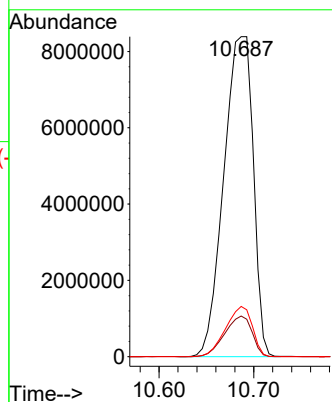
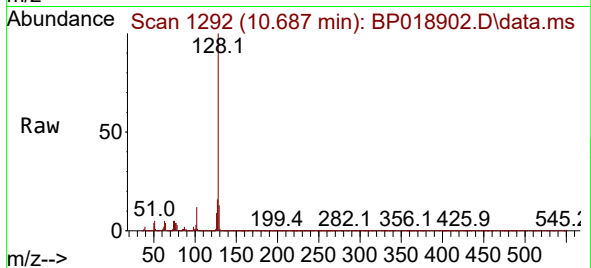




#30
Naphthalene
Concen: 363.279 ng/ul
RT: 10.687 min Scan# 1292
Delta R.T. 0.012 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

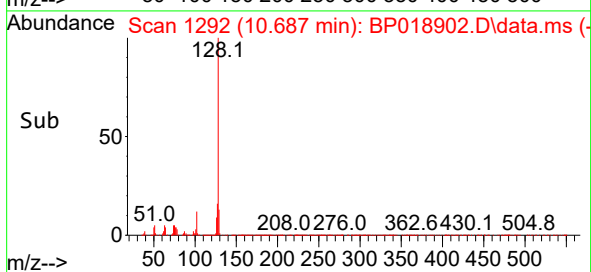
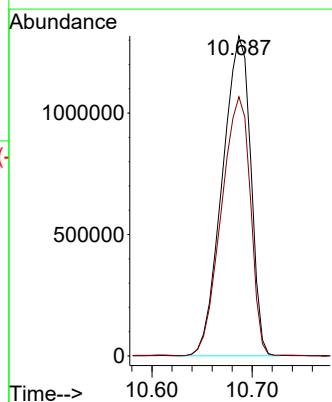
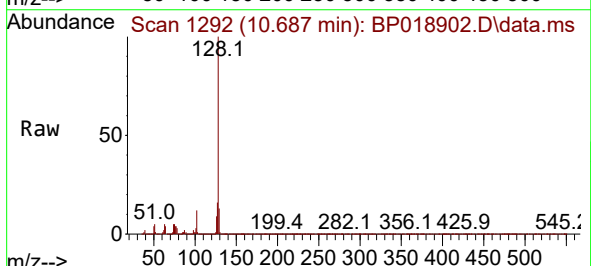
Instrument :
BNA_P
ClientSampleId :
DCLF4

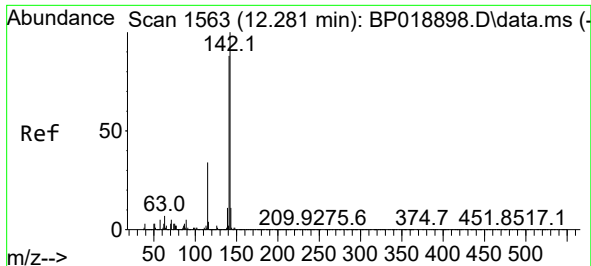
Tgt Ion:128 Resp:18136109
Ion Ratio Lower Upper
128 100
129 12.7 8.9 13.3
127 15.7 10.5 15.7



#32
4-Chloroaniline
Concen: 133.752 ng/ul
RT: 10.687 min Scan# 1292
Delta R.T. -0.106 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Tgt Ion:127 Resp: 2586935
Ion Ratio Lower Upper
127 100
129 81.0 25.6 38.4#

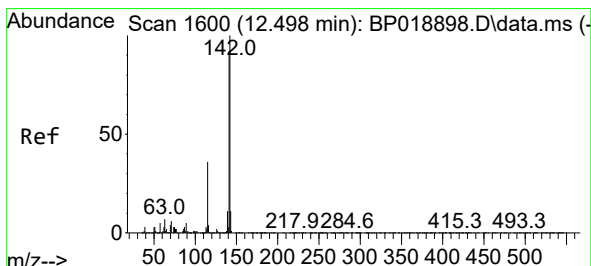
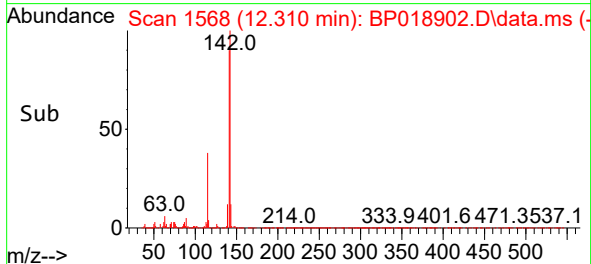
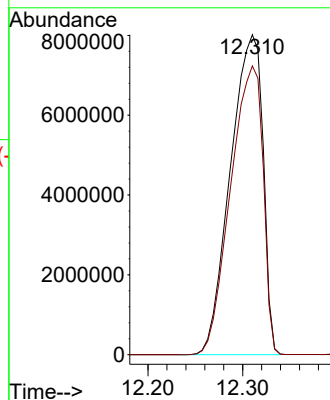
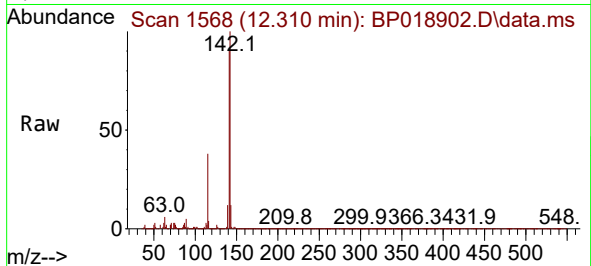




#36
2-Methylnaphthalene
Concen: 542.088 ng/ul
RT: 12.310 min Scan# 1563
Delta R.T. 0.023 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

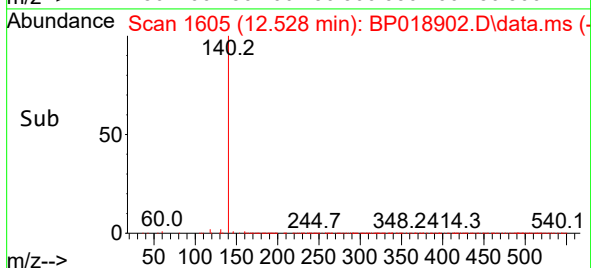
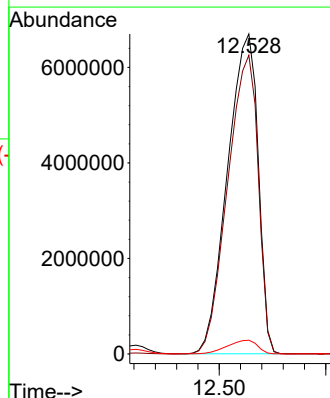
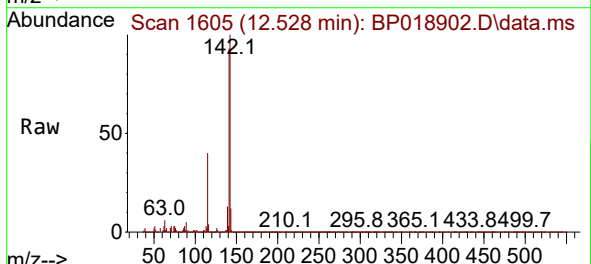
Instrument :
BNA_P
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DCLF4

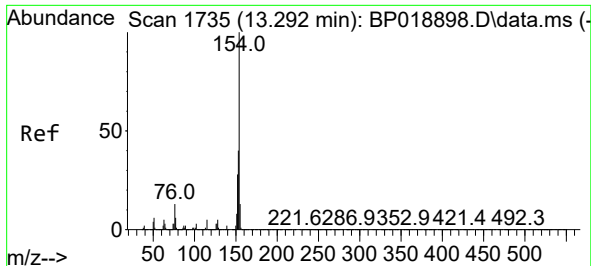
Tgt Ion:142 Resp:19172453
Ion Ratio Lower Upper
142 100
141 90.2 71.4 107.0



#37
1-Methylnaphthalene
Concen: 374.592 ng/ul
RT: 12.528 min Scan# 1605
Delta R.T. 0.018 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Tgt Ion:142 Resp:13379422
Ion Ratio Lower Upper
142 100
141 93.4 73.5 110.3
116 4.3 2.8 4.2#

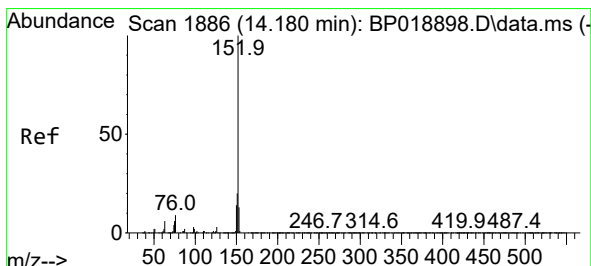
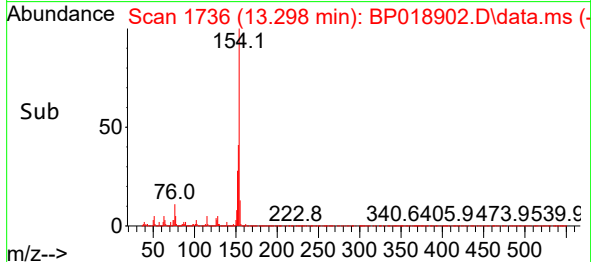
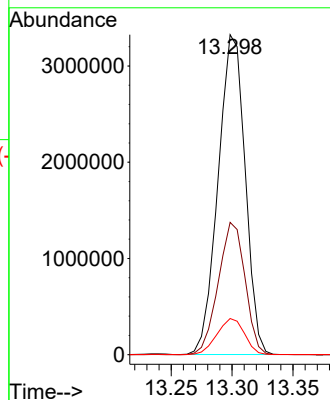
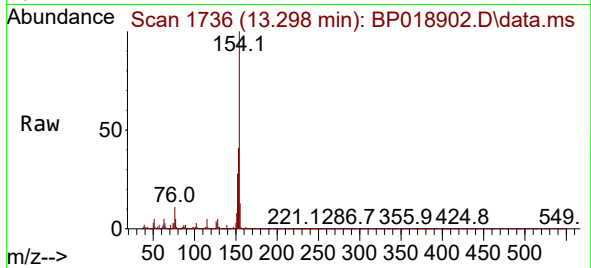




#43
1,1'-Biphenyl
Concen: 107.140 ng/ul
RT: 13.298 min Scan# 1735
Delta R.T. -0.000 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

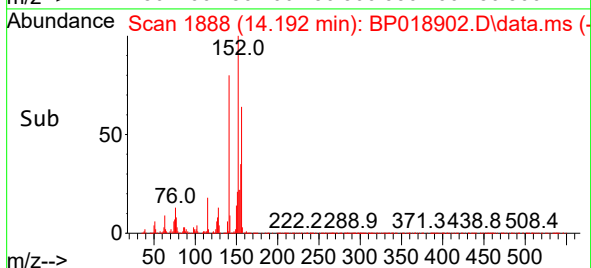
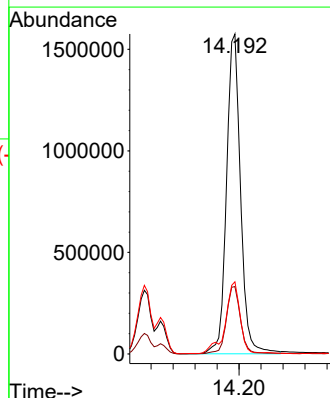
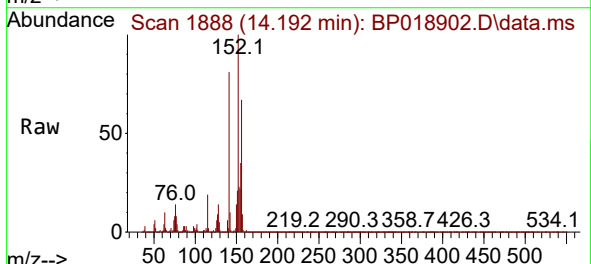
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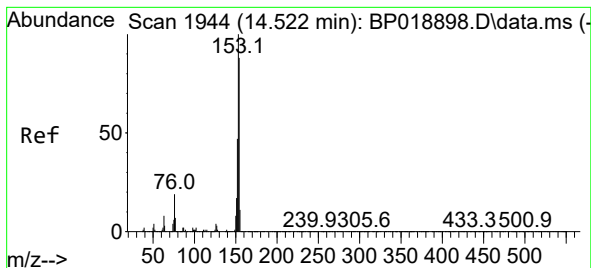
Tgt Ion:154 Resp: 5143214
Ion Ratio Lower Upper
154 100
153 41.3 32.8 49.2
76 11.3 10.7 16.1



#50
Acenaphthylene
Concen: 45.474 ng/ul
RT: 14.192 min Scan# 1888
Delta R.T. 0.006 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Tgt Ion:152 Resp: 2788990
Ion Ratio Lower Upper
152 100
151 21.0 15.9 23.9
153 22.5 10.6 16.0#





#52

Acenaphthene

Concen: 525.676 ng/ul

RT: 14.563 min Scan# 1951

Delta R.T. 0.035 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

Instrument :

BNA_P

ClientSampleId :

DCLF4

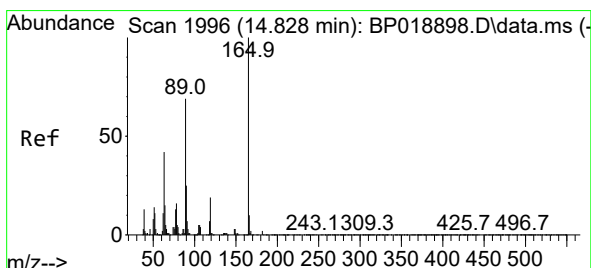
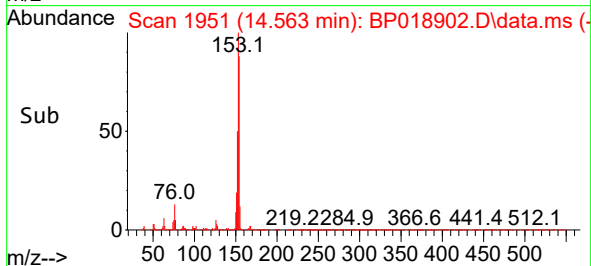
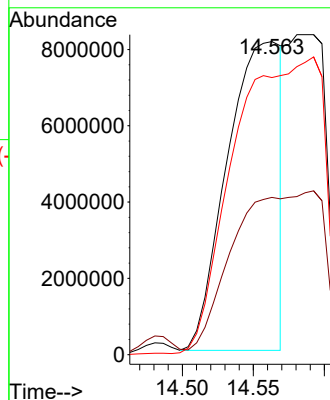
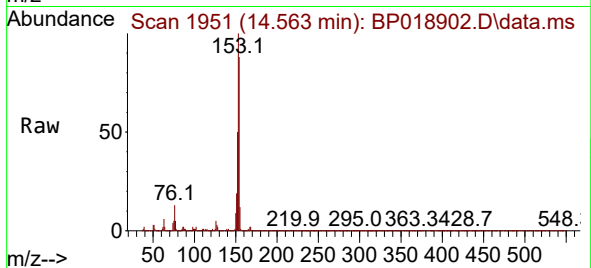
Tgt Ion:153 Resp:21316901

Ion Ratio Lower Upper

153 100

152 50.2 38.1 57.1

154 88.5 71.7 107.5



#57

2,4-Dinitrotoluene

Concen: 10.178 ng/ul

RT: 14.851 min Scan# 2000

Delta R.T. 0.018 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

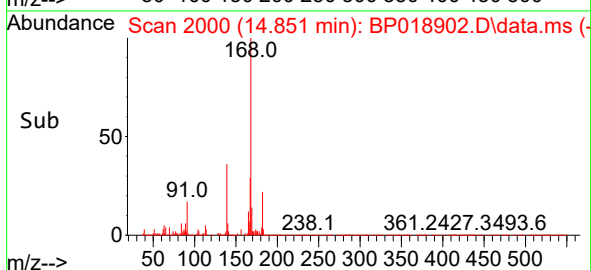
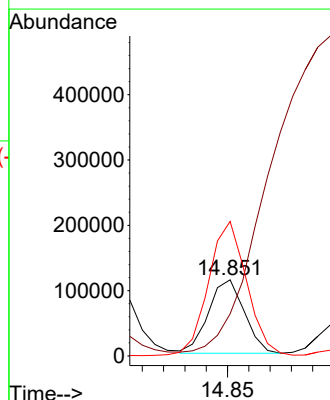
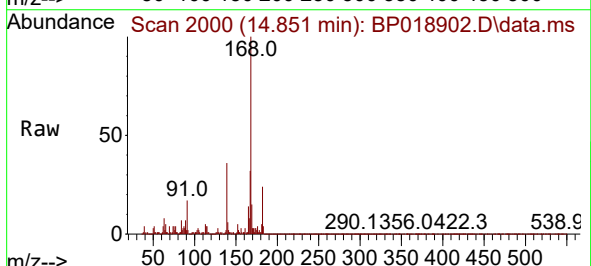
Tgt Ion:165 Resp: 131908

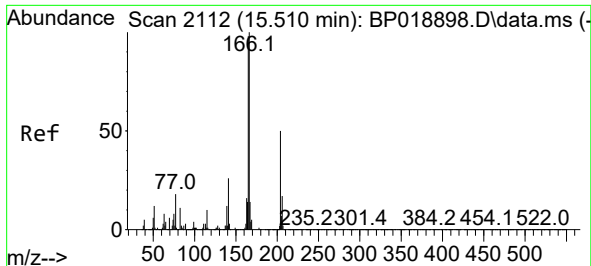
Ion Ratio Lower Upper

165 100

63 55.3 32.7 49.1#

182 176.9 2.1 3.1#

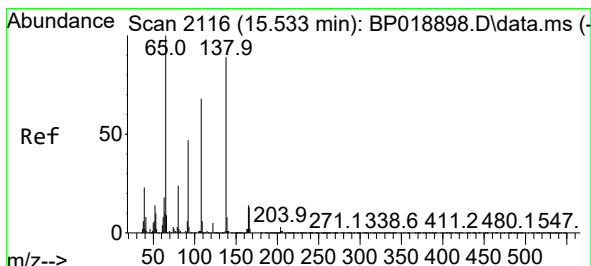
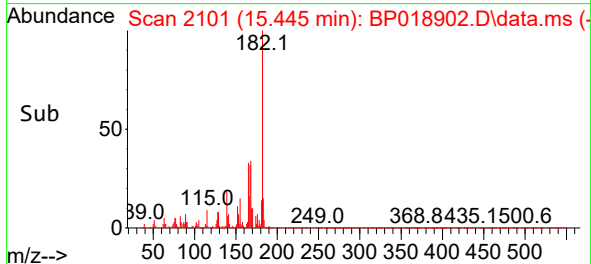
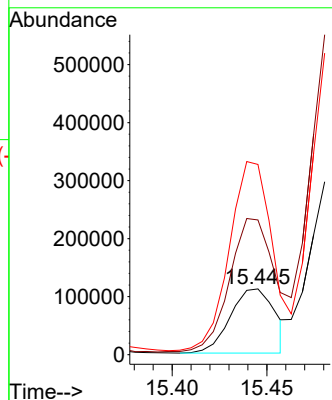
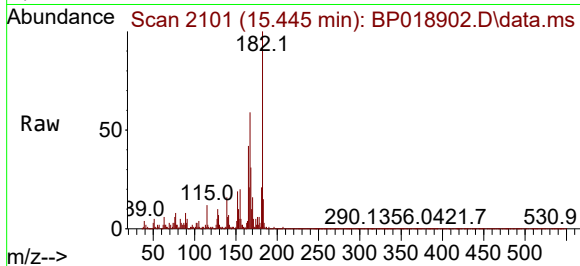




#61
Fluorene
Concen: 4.040 ng/ul
RT: 15.445 min Scan# 2101
Delta R.T. -0.071 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

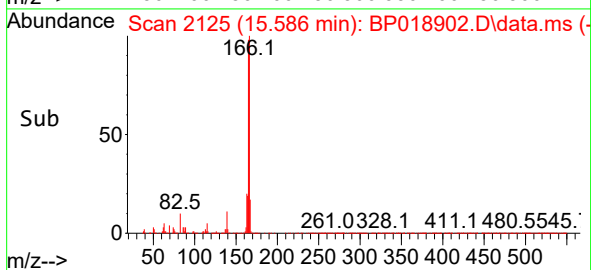
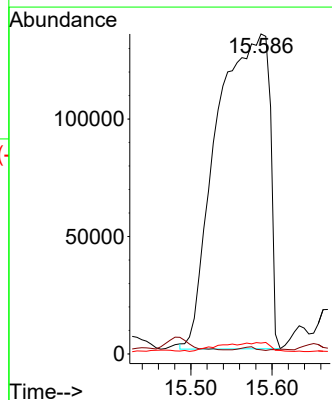
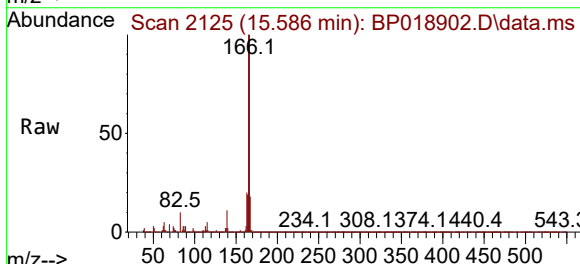
Instrument :
BNA_P
ClientSampleId :
DCLF4

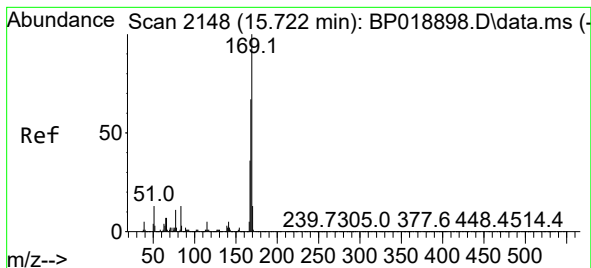
Tgt Ion:166 Resp: 180156
Ion Ratio Lower Upper
166 100
165 204.6 78.0 117.0#
167 289.0 10.8 16.2#



#63
4-Nitroaniline
Concen: 68.957 ng/ul
RT: 15.586 min Scan# 2125
Delta R.T. 0.047 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Tgt Ion:138 Resp: 604167
Ion Ratio Lower Upper
138 100
92 1.3 42.3 63.5#
108 3.4 62.0 93.0#





#67

N-Nitrosodiphenylamine

Concen: 17.239 ng/ul

RT: 15.739 min Scan# 2148

Delta R.T. 0.012 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

Instrument :

BNA_P

ClientSampleId :

DCLF4

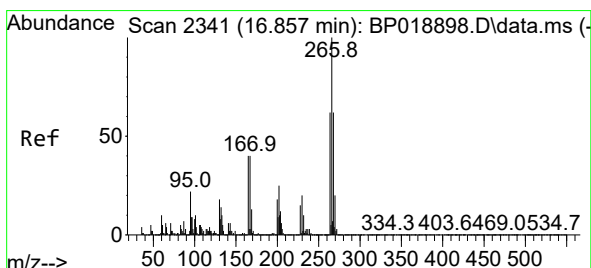
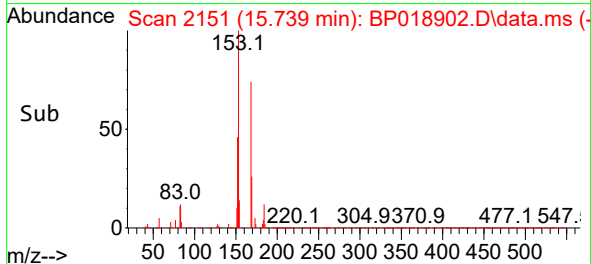
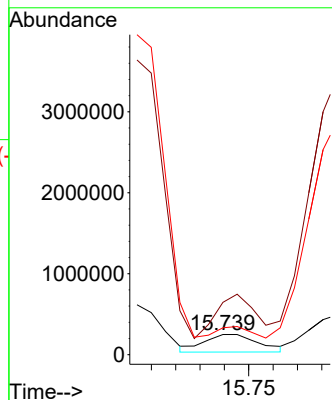
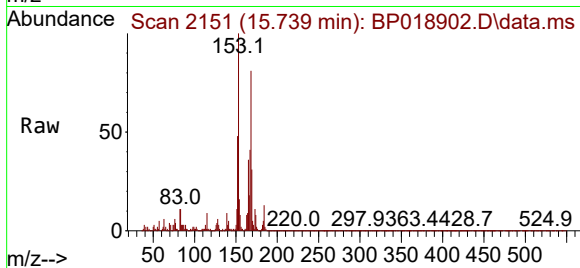
Tgt Ion:169 Resp: 334240

Ion Ratio Lower Upper

169 100

168 258.5 53.1 79.7#

167 132.5 29.1 43.7#



#71

Pentachlorophenol

Concen: 3.526 ng/ul

RT: 16.980 min Scan# 2362

Delta R.T. 0.118 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

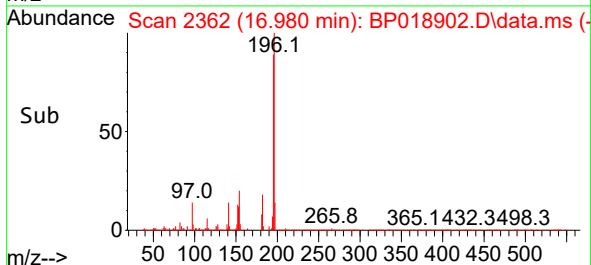
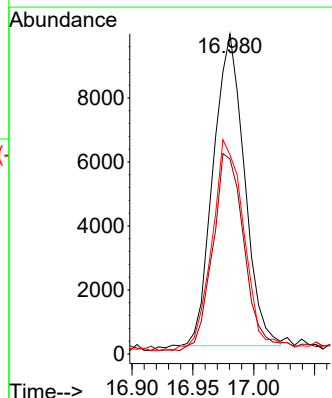
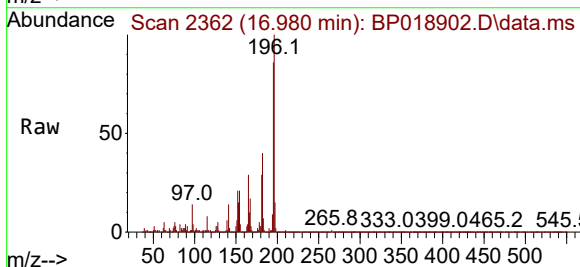
Tgt Ion:266 Resp: 17294

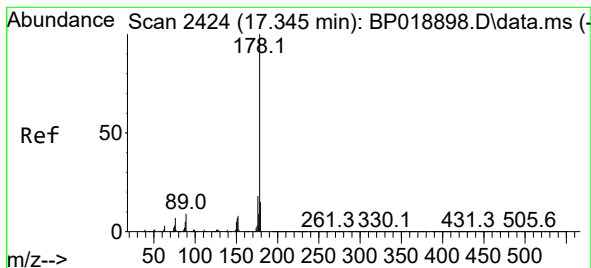
Ion Ratio Lower Upper

266 100

264 61.0 50.2 75.2

268 67.7 50.5 75.7





#74

Anthracene

Concen: 54.872 ng/ul

RT: 17.433 min Scan# 24

Delta R.T. 0.088 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

Instrument :

BNA_P

ClientSampleId :

DCLF4

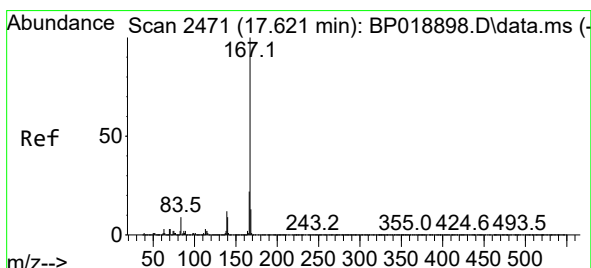
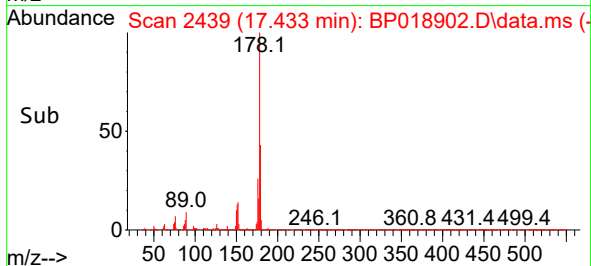
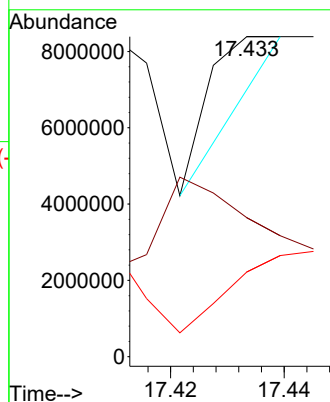
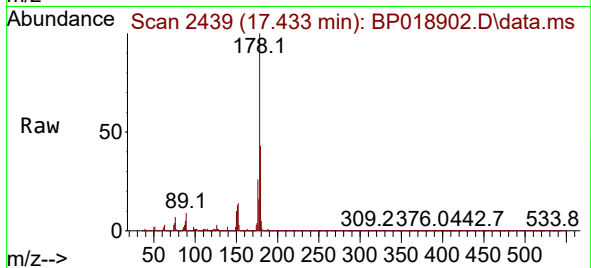
Tgt Ion:178 Resp: 1943635

Ion Ratio Lower Upper

178 100

179 43.4 12.5 18.7#

176 26.4 15.0 22.6#



#77

Carbazole

Concen: 1.617 ng/ul

RT: 17.545 min Scan# 2458

Delta R.T. -0.077 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

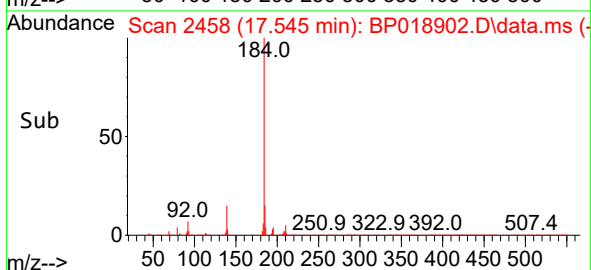
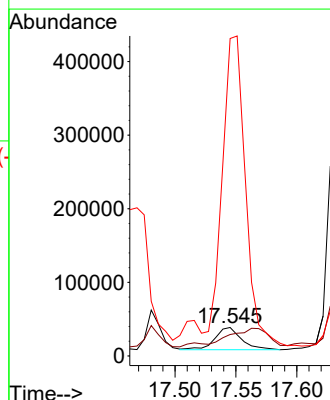
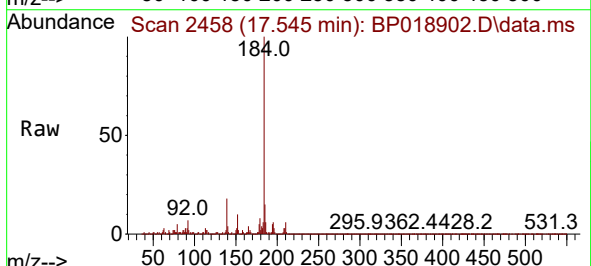
Tgt Ion:167 Resp: 45650

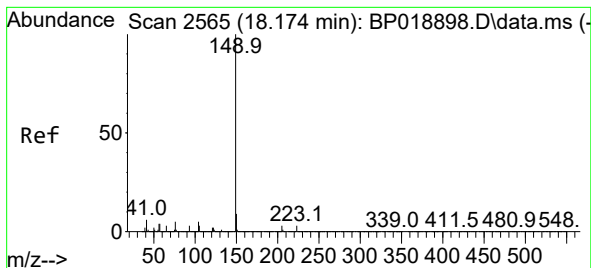
Ion Ratio Lower Upper

167 100

166 75.3 17.1 25.7#

139 1112.7 10.2 15.4#





#78

Di-n-butylphthalate

Concen: 1.982 ng/ul

RT: 18.175 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

Instrument :

BNA_P

ClientSampleId :

DCLF4

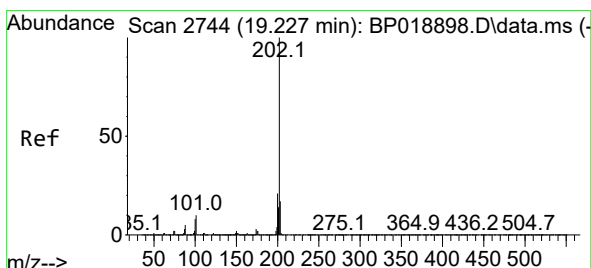
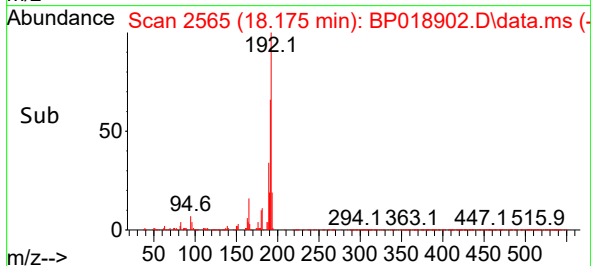
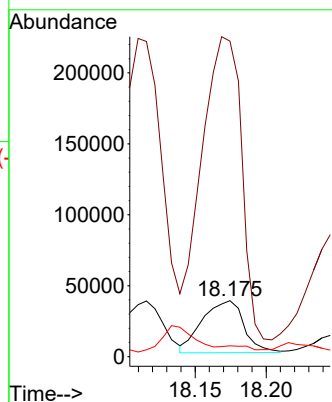
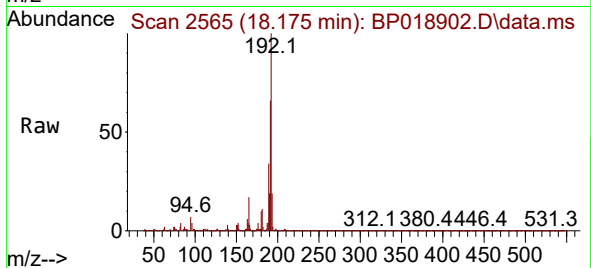
Tgt Ion:149 Resp: 74489

Ion Ratio Lower Upper

149 100

150 563.6 7.4 11.2#

104 19.3 3.9 5.9#



#80

Fluoranthene

Concen: 53.134 ng/ul

RT: 19.245 min Scan# 2747

Delta R.T. 0.018 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

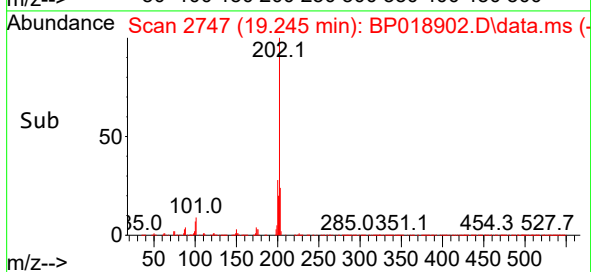
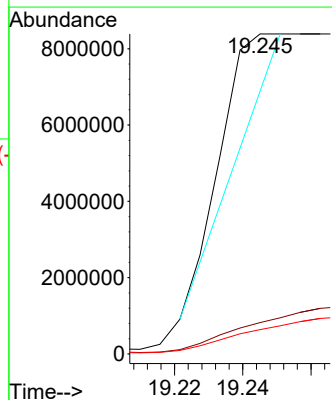
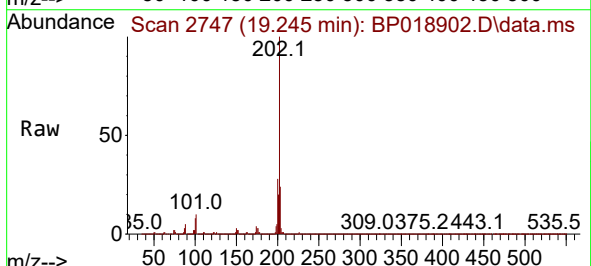
Tgt Ion:202 Resp: 3551152

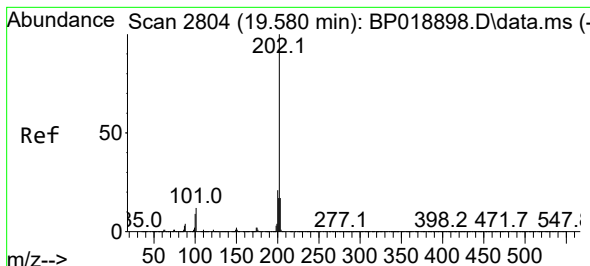
Ion Ratio Lower Upper

202 100

101 9.8 9.1 13.7

100 7.6 7.1 10.7





#82

Pyrene

Concen: 5.213 ng/ul

RT: 19.516 min Scan# 21

Delta R.T. -0.065 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

Instrument :

BNA_P

ClientSampleId :

DCLF4

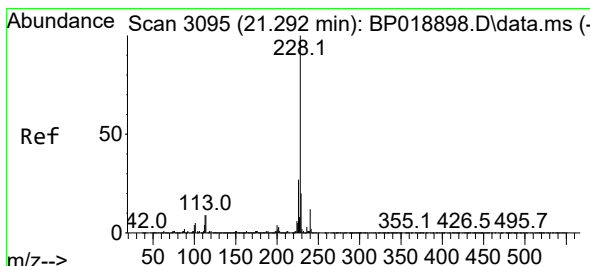
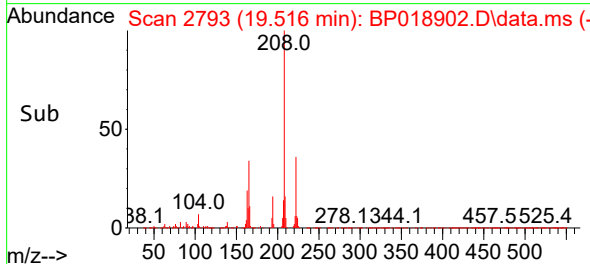
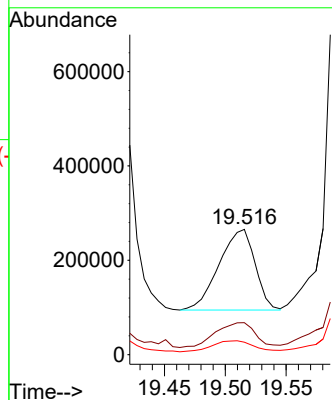
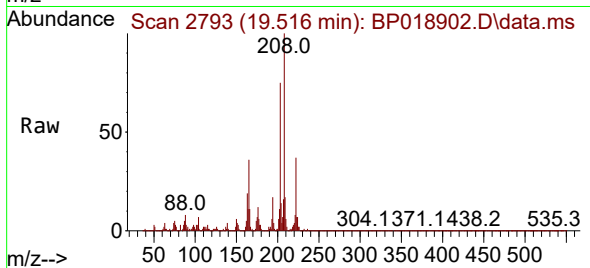
Tgt Ion:202 Resp: 351466

Ion Ratio Lower Upper

202 100

101 25.5 11.0 16.4#

100 9.9 9.1 13.7



#85

Benzo(a)anthracene

Concen: 33.987 ng/ul

RT: 21.374 min Scan# 3109

Delta R.T. 0.088 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

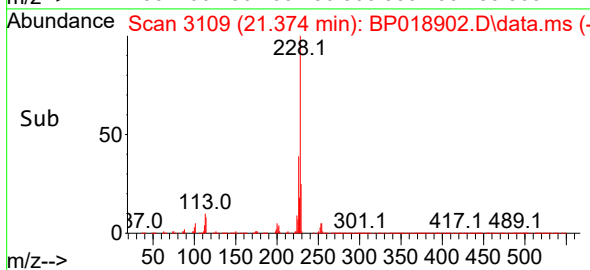
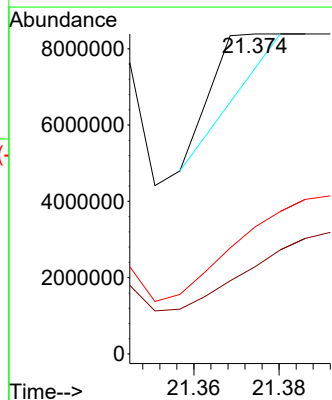
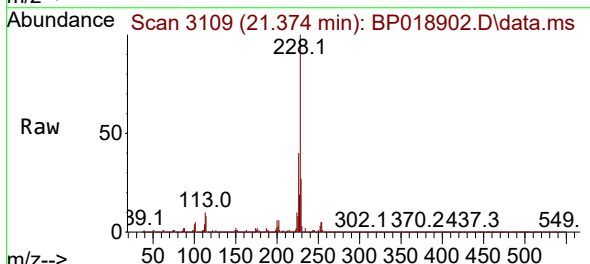
Tgt Ion:228 Resp: 2003820

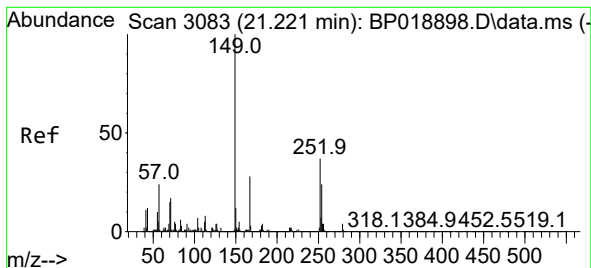
Ion Ratio Lower Upper

228 100

229 27.2 15.7 23.5#

226 39.7 21.9 32.9#

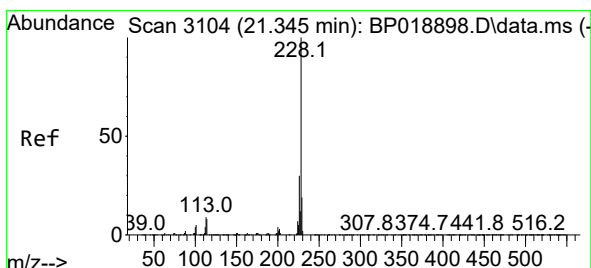
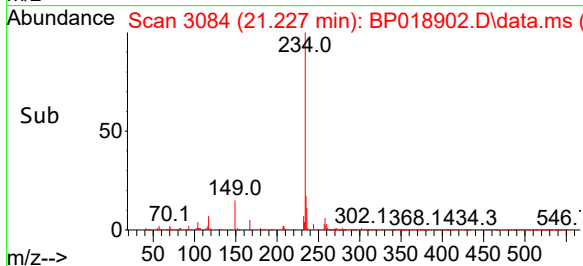
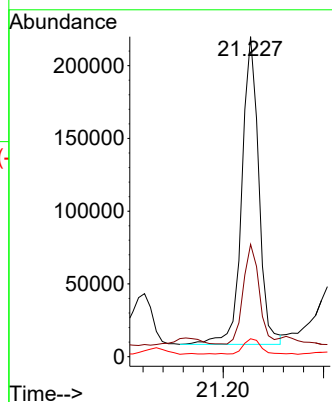
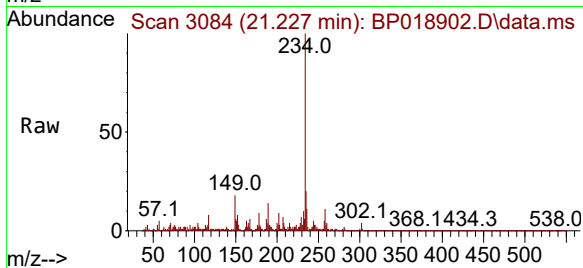




#86
Bis(2-ethylhexyl)phthalate
Concen: 7.343 ng/ul
RT: 21.227 min Scan# 3083
Delta R.T. 0.012 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

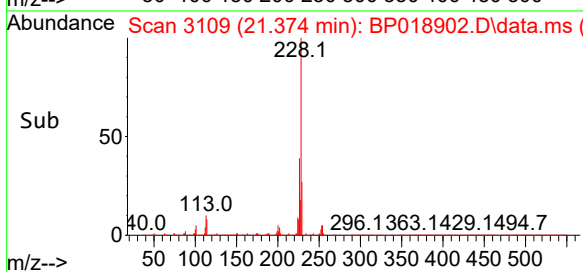
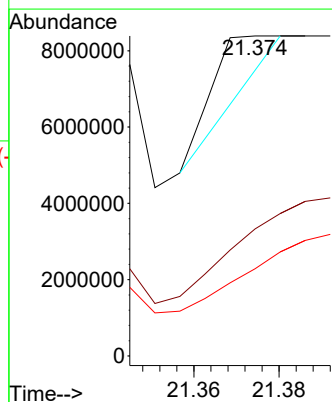
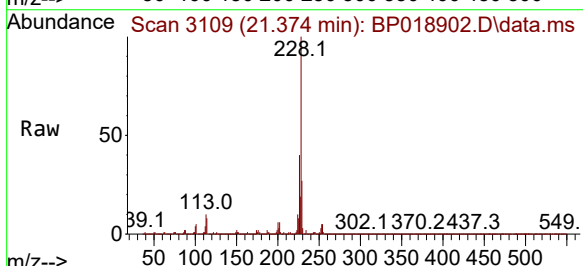
Instrument :
BNA_P
ClientSampleId :
DCLF4

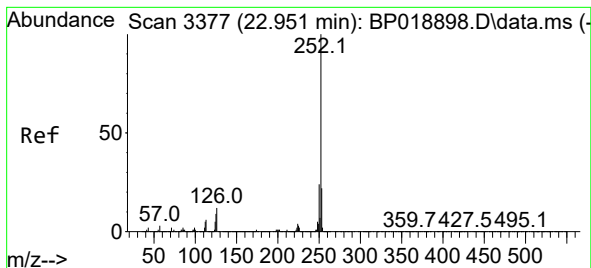
Tgt Ion:149 Resp: 249106
Ion Ratio Lower Upper
149 100
167 35.1 22.2 33.2#
279 5.6 3.3 4.9#



#87
Chrysene
Concen: 36.907 ng/ul
RT: 21.374 min Scan# 3109
Delta R.T. 0.035 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Tgt Ion:228 Resp: 2003820
Ion Ratio Lower Upper
228 100
226 39.7 23.9 35.9#
229 27.2 15.6 23.4#





#90

Benzo(b)fluoranthene

Concen: 1.097 ng/ul

RT: 22.786 min Scan# 3349

Delta R.T. -0.159 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

Instrument :

BNA_P

ClientSampleId :

DCLF4

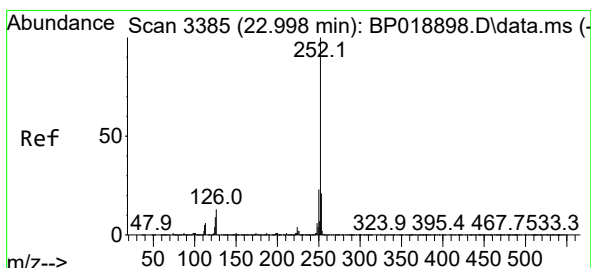
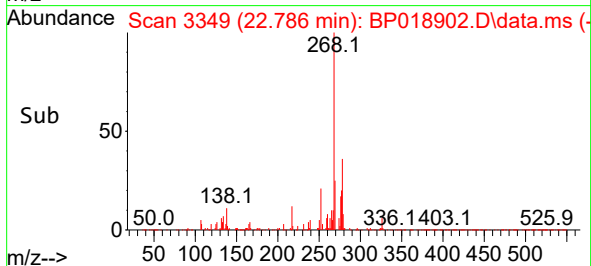
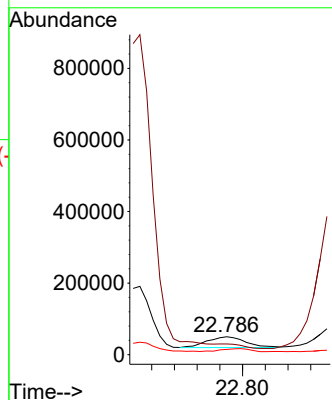
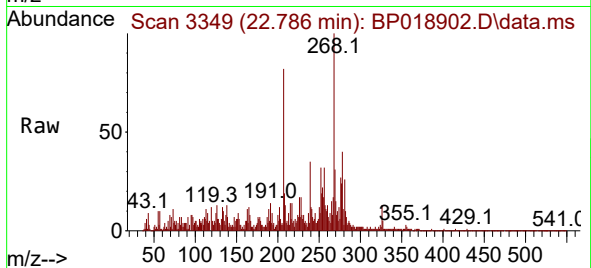
Tgt Ion:252 Resp: 71615

Ion Ratio Lower Upper

252 100

253 59.4 17.3 25.9#

125 29.6 7.8 11.6#



#91

Benzo(k)fluoranthene

Concen: 2.525 ng/ul

RT: 22.886 min Scan# 3366

Delta R.T. -0.106 min

Lab File: BP018902.D

Acq: 18 Dec 2023 12:23

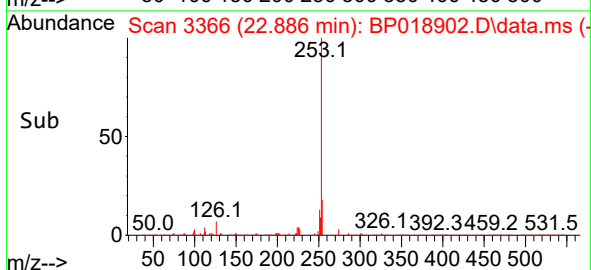
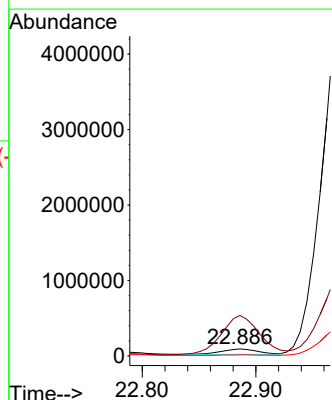
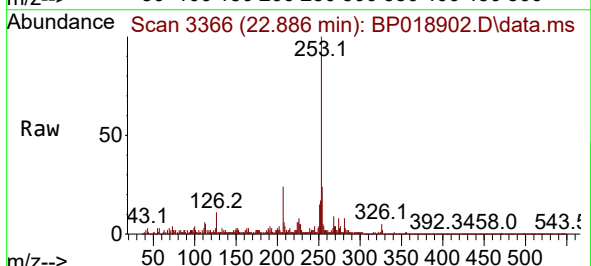
Tgt Ion:252 Resp: 159565

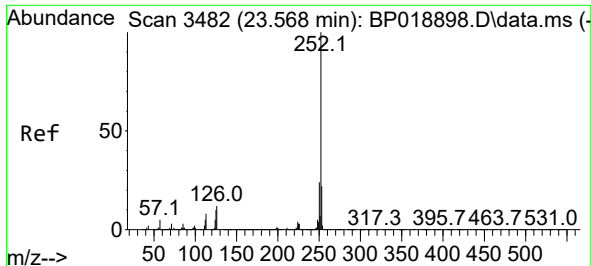
Ion Ratio Lower Upper

252 100

253 572.6 17.7 26.5#

125 16.3 8.0 12.0#

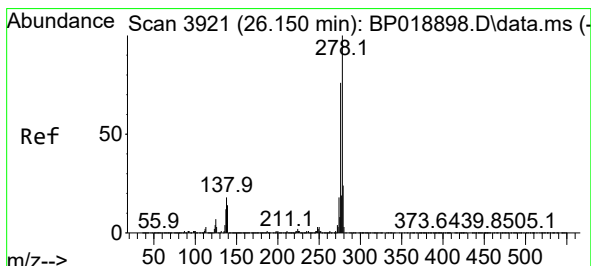
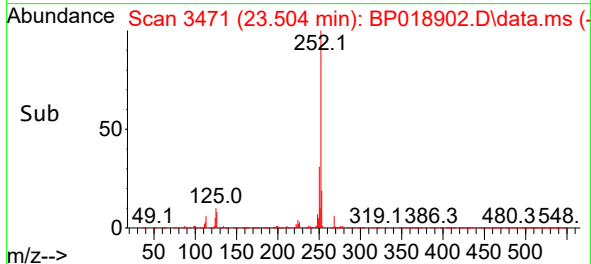
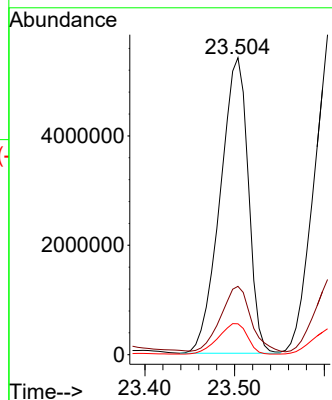
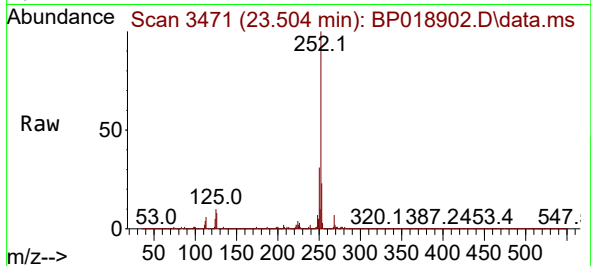




#93
Benzo(a)pyrene
Concen: 196.688 ng/ul
RT: 23.504 min Scan# 34
Delta R.T. -0.059 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Instrument :
BNA_P
ClientSampleId :
DCLF4

Tgt Ion:252 Resp:11736824
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 10.4 9.2 13.8



#95
Dibenzo(a,h)anthracene
Concen: 25.406 ng/ul
RT: 26.168 min Scan# 3924
Delta R.T. 0.029 min
Lab File: BP018902.D
Acq: 18 Dec 2023 12:23

Tgt Ion:278 Resp: 1506774
Ion Ratio Lower Upper
278 100
139 15.3 13.0 19.6
279 26.4 18.7 28.1

