

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
 Data File : BF124198.D
 Acq On : 9 Jun 2021 1:07
 Operator : JU/CG
 Sample : M2589-04DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B8(0-2)DL

Quant Time: Jun 09 04:10:45 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 07 13:32:21 2021
 Response via : Initial Calibration

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

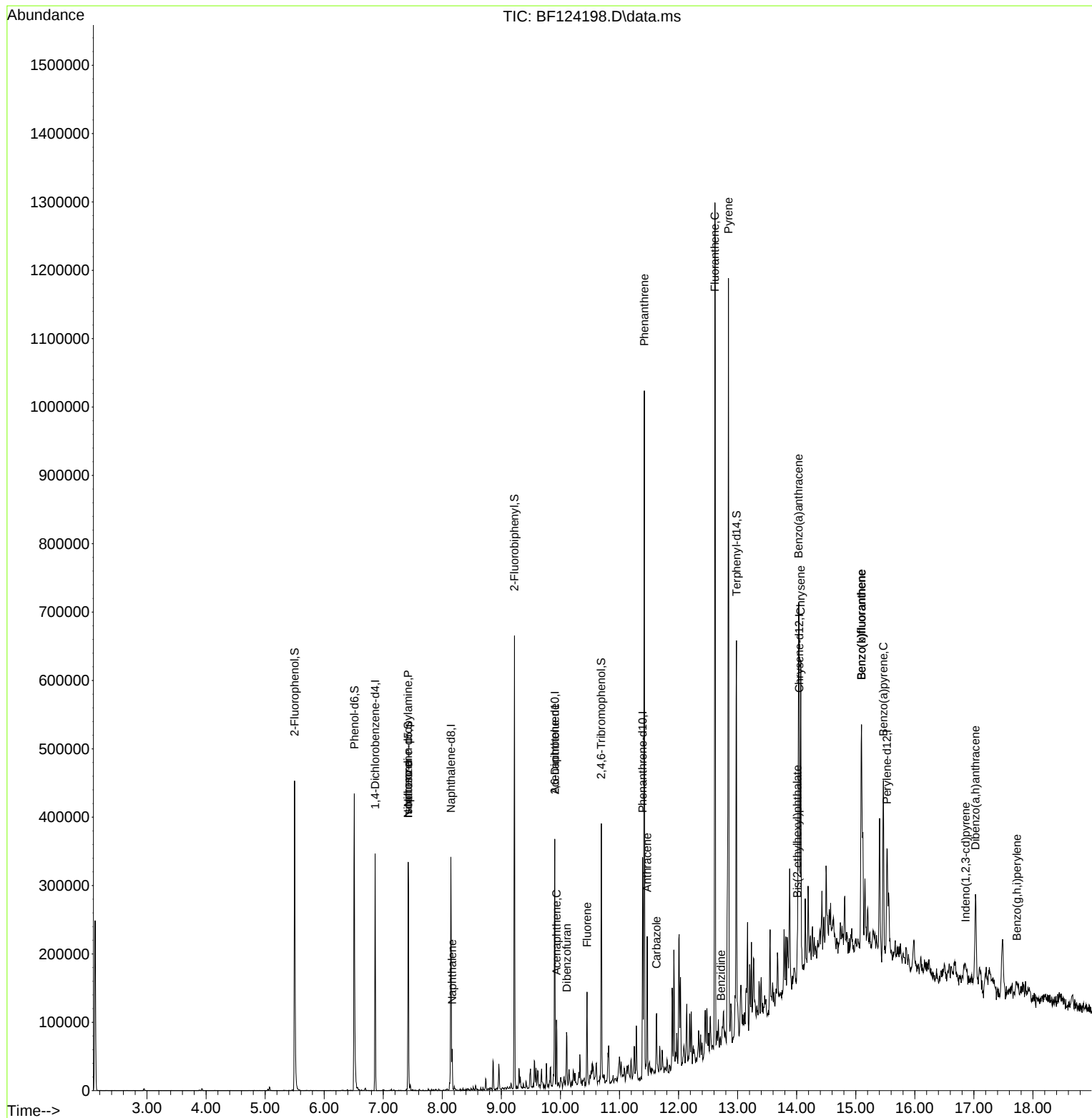
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	37766	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	124211	20.00	ng	# 0.00
39) Acenaphthene-d10	9.904	164	60388	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	101345	20.00	ng	# 0.00
76) Chrysene-d12	14.045	240	75398	20.00	ng	0.01
86) Perylene-d12	15.527	264	60187	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	104594	41.69	ng	0.00
7) Phenol-d6	6.510	99	126572	37.53	ng	0.00
23) Nitrobenzene-d5	7.422	82	95161	30.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	33333	38.96	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	158508	33.03	ng	0.00
79) Terphenyl-d14	12.980	244	154201	28.08	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	13787	5.79	ng	# 75
25) Isophorone	7.422	82	95159	16.86	ng	# 69
31) Naphthalene	8.169	128	19706	2.65	ng	99
51) 2,6-Dinitrotoluene	9.904	165	8711	7.60	ng	# 12
52) Acenaphthene	9.933	154	16383	4.16	ng	97
55) Dibenzofuran	10.110	168	21766	3.53	ng	95
58) Fluorene	10.451	166	26496	5.60	ng	93
71) Phenanthrene	11.421	178	322939	51.01	ng	99
72) Anthracene	11.469	178	62529	9.81	ng	99
73) Carbazole	11.627	167	30448	5.48	ng	99
75) Fluoranthene	12.616	202	468182	70.45	ng	98
77) Benzidine	12.721	184	228	4.18	ng	# 68
78) Pyrene	12.845	202	409363	56.54	ng	98
81) Benzo(a)anthracene	14.033	228	172264	31.36	ng	98
83) Chrysene	14.068	228	147414	27.82	ng	97
84) Bis(2-ethylhexyl)phtha...	14.010	149	8149	2.33	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.862	276	15803	7.20	ng	96
88) Benzo(b)fluoranthene	15.098	252	224463	48.01	ng	# 97
89) Benzo(k)fluoranthene	15.098	252	224463	50.71	ng	97
90) Benzo(a)pyrene	15.468	252	113710	28.00	ng	99
91) Dibenzo(a,h)anthracene	17.027	278	17366	7.88	ng	# 88
92) Benzo(g,h,i)perylene	17.727	276	13775	6.81	ng	96

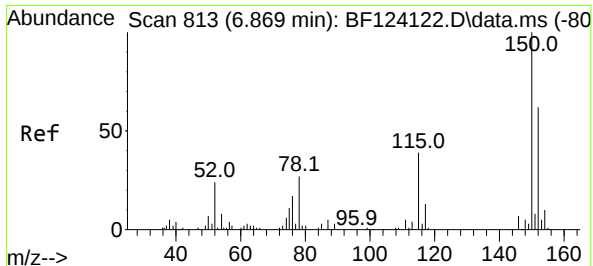
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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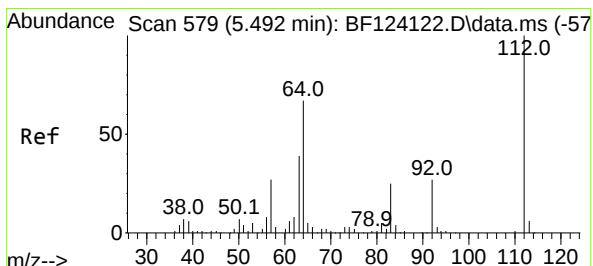
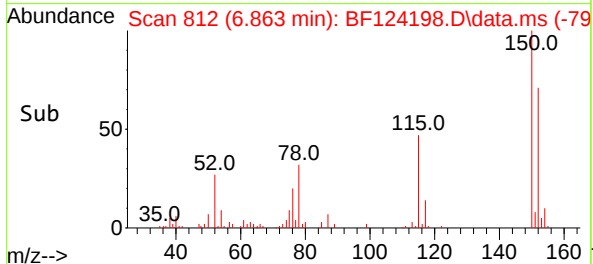
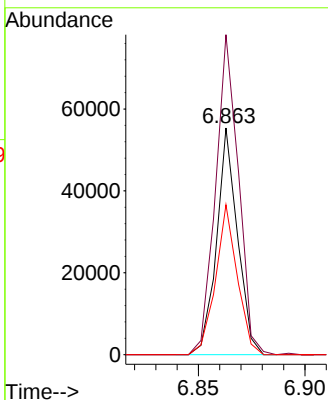
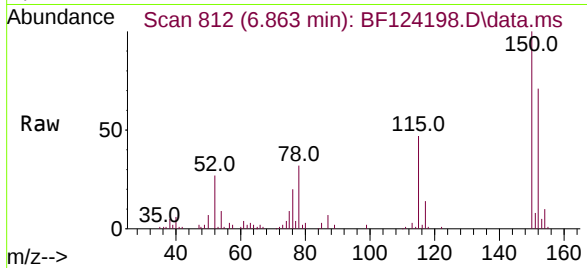




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

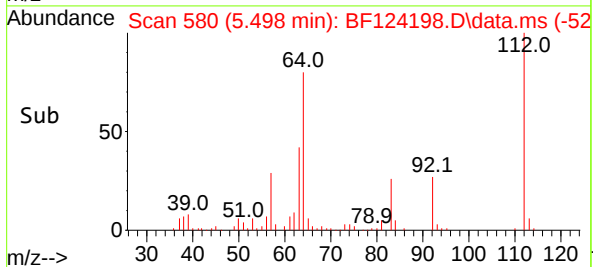
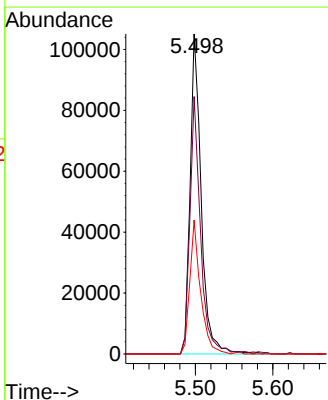
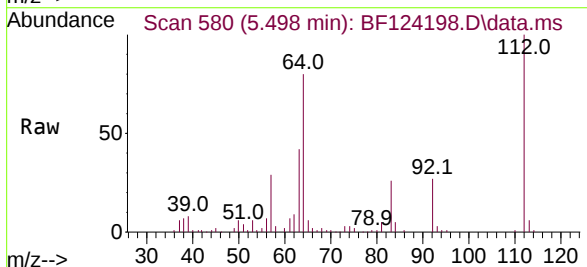
Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL

Tgt Ion:152 Resp: 37766
Ion Ratio Lower Upper
152 100
150 141.1 127.0 190.6
115 66.1 54.3 81.5



#5
2-Fluorophenol
Concen: 41.69 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:112 Resp: 104594
Ion Ratio Lower Upper
112 100
64 80.4 61.4 92.0
63 41.8 33.0 49.4

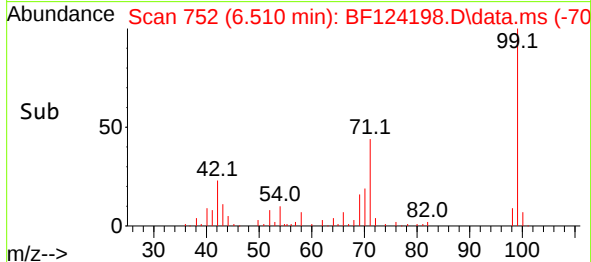
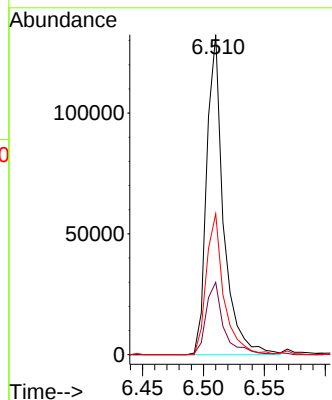
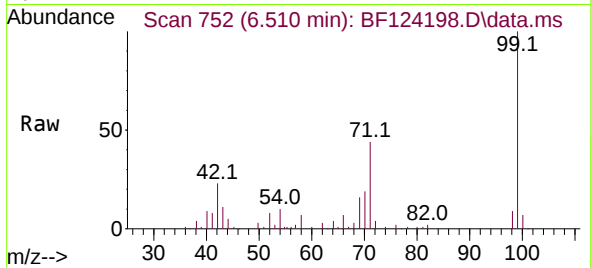




#7
Phenol-d6
Concen: 37.53 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

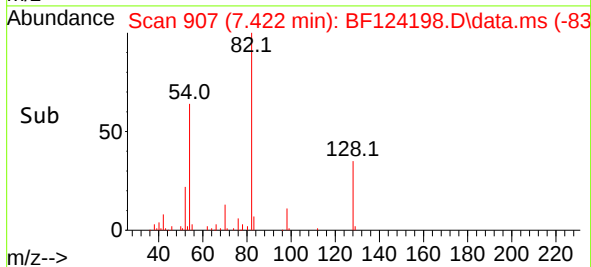
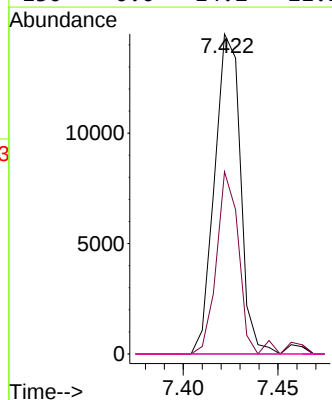
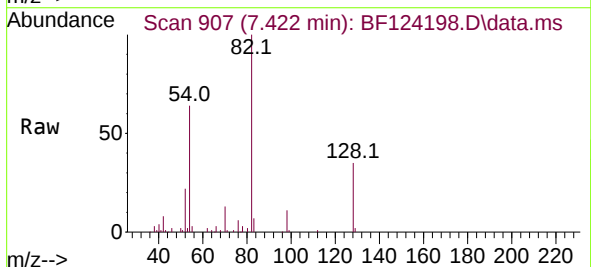
Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL

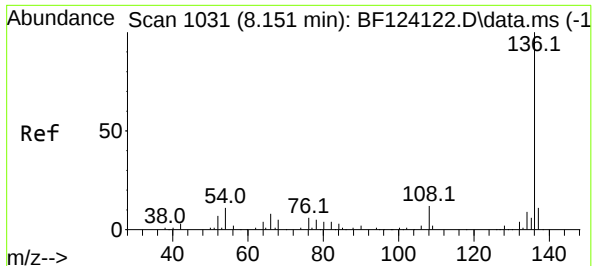
Tgt Ion: 99 Resp: 126572
Ion Ratio Lower Upper
99 100
42 22.6 19.8 29.8
71 44.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 5.79 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

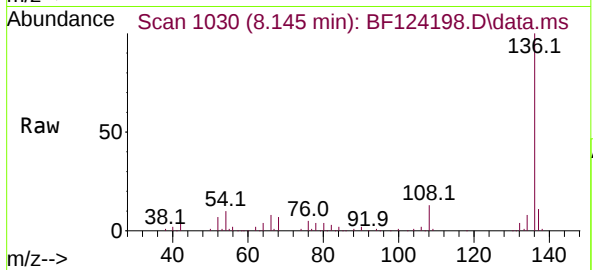
Tgt Ion: 70 Resp: 13787
Ion Ratio Lower Upper
70 100
42 56.9 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



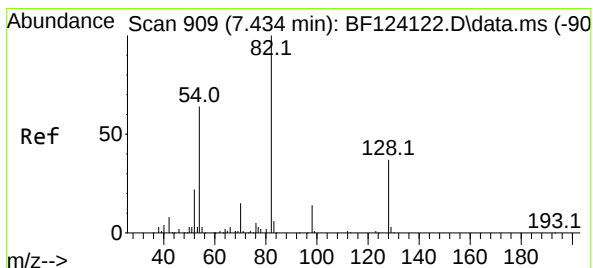
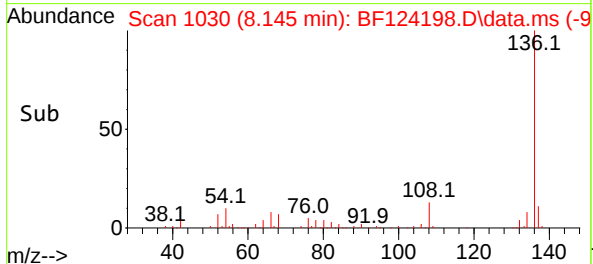
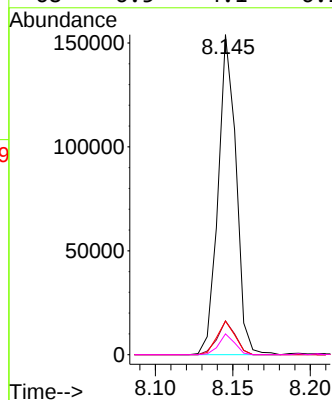


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL

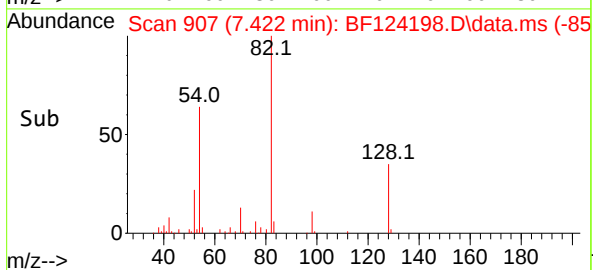
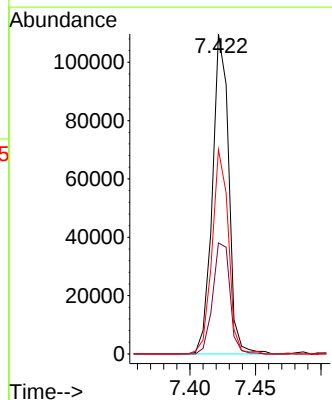
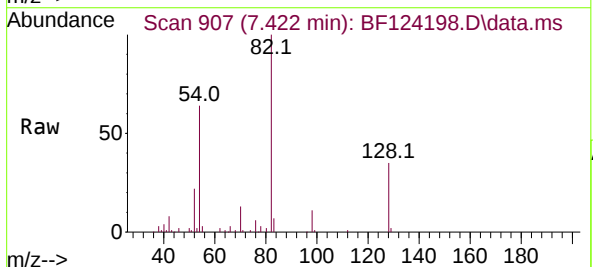


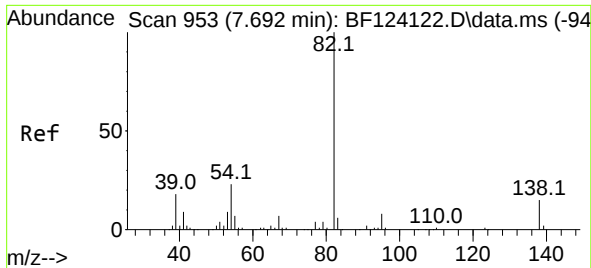
Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.7	13.1
54	10.5	9.8	14.6
68	6.5	4.1	6.1



#23
Nitrobenzene-d5
Concen: 30.39 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.7	29.4	44.2
54	63.8	54.1	81.1

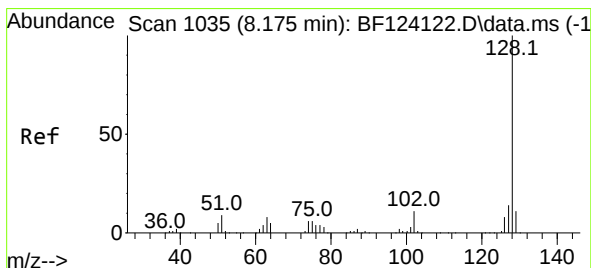
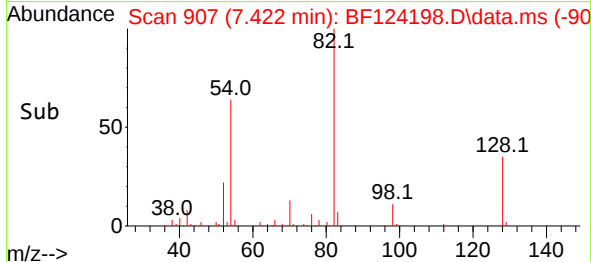
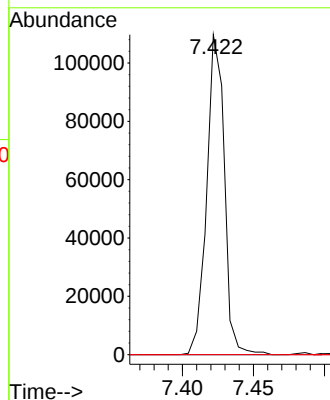
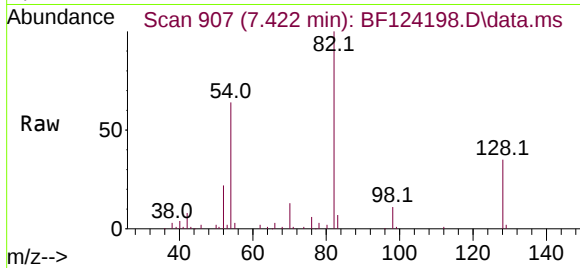




#25
Isophorone
Concen: 16.86 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.271 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

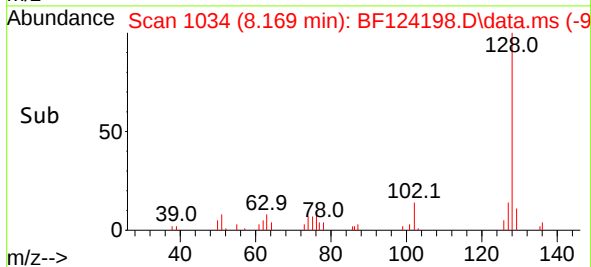
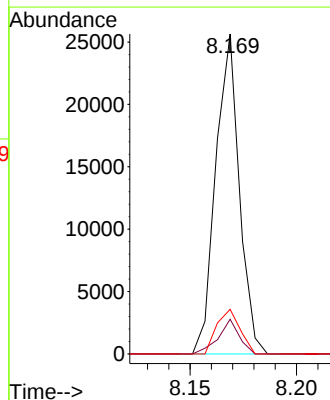
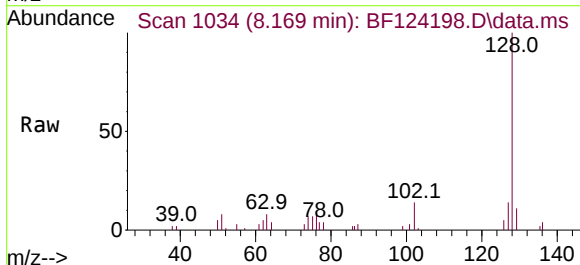
Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL

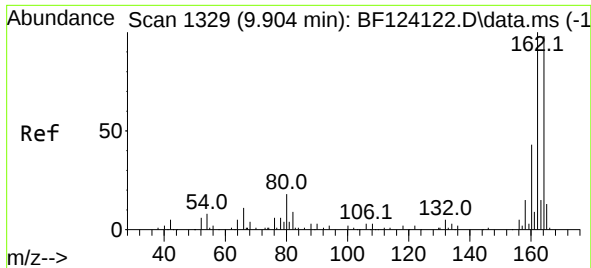
Tgt Ion: 82 Resp: 95159
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#31
Naphthalene
Concen: 2.65 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion: 128 Resp: 19706
Ion Ratio Lower Upper
128 100
129 10.8 8.9 13.3
127 14.0 10.8 16.2

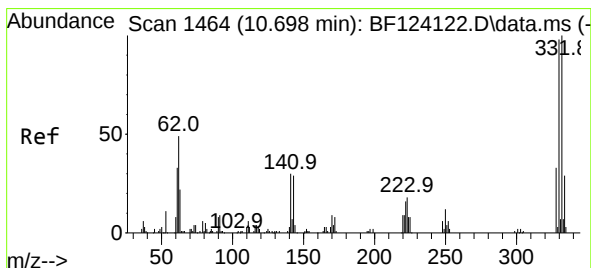
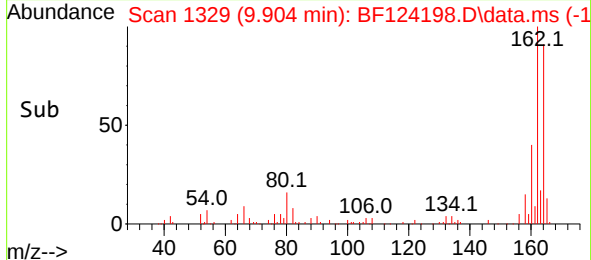
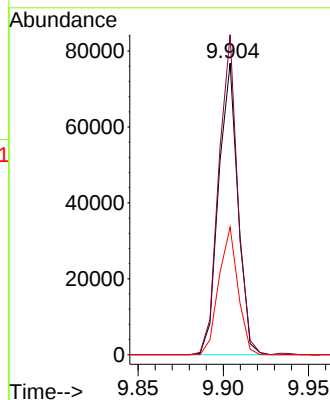
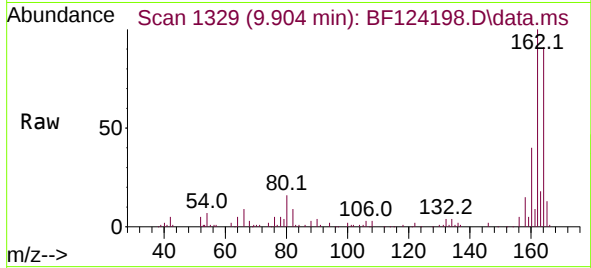




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

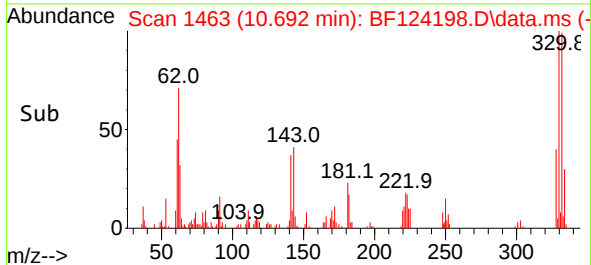
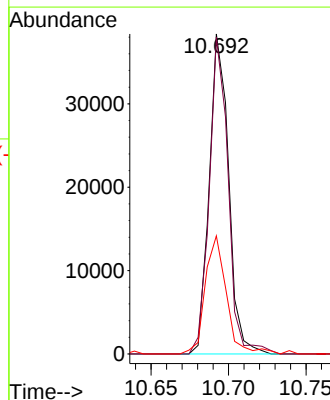
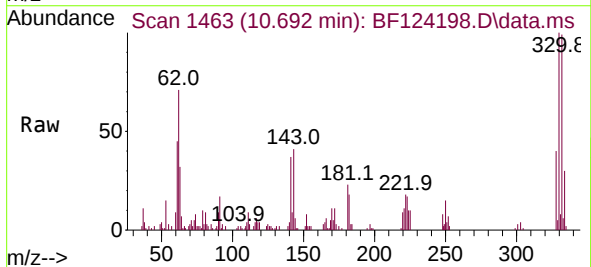
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ClientSampleId :
18-B8(0-2)DL

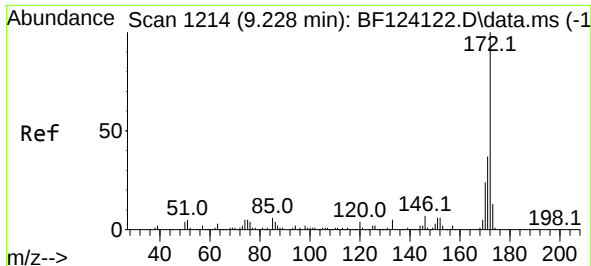
Tgt Ion:164 Resp: 60388
Ion Ratio Lower Upper
164 100
162 109.8 80.7 121.1
160 43.8 37.3 55.9



#42
2,4,6-Tribromophenol
Concen: 38.96 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:330 Resp: 33333
Ion Ratio Lower Upper
330 100
332 96.6 77.1 115.7
141 40.9 27.9 41.9

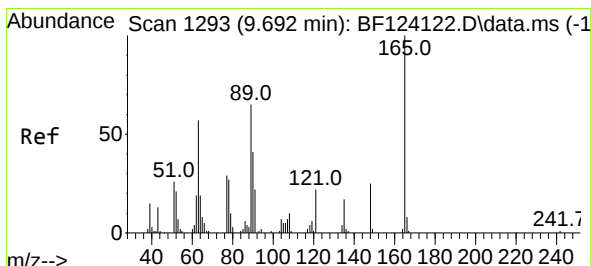
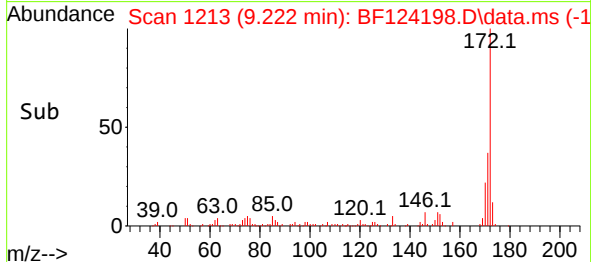
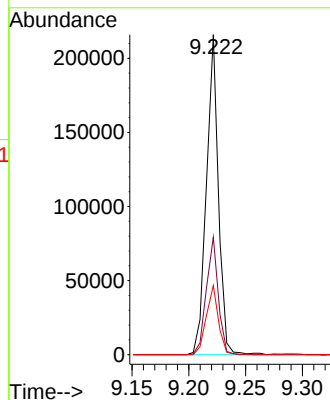
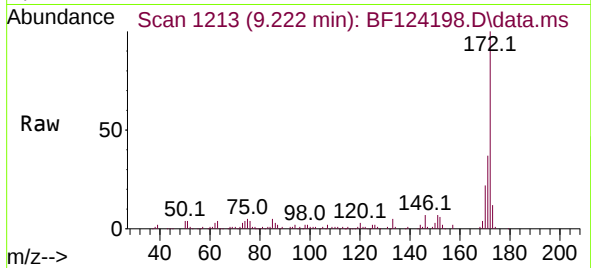




#45
2-Fluorobiphenyl
Concen: 33.03 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

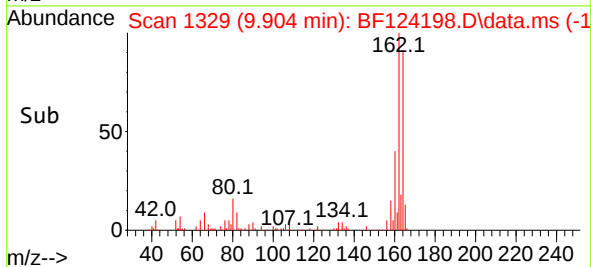
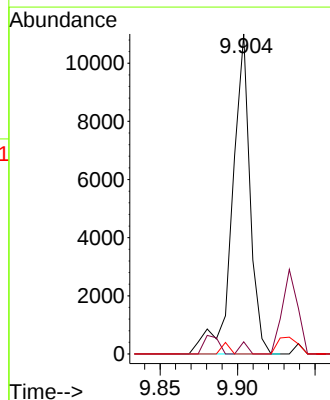
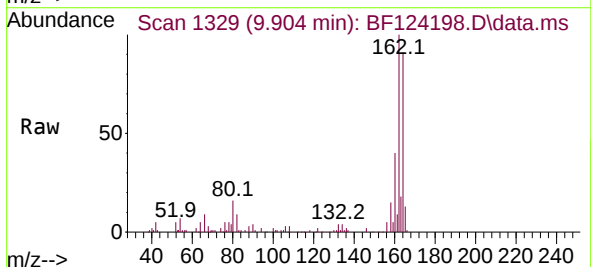
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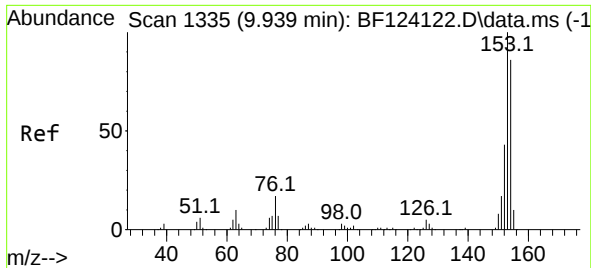
Tgt Ion:172 Resp: 158508
Ion Ratio Lower Upper
172 100
171 36.8 28.1 42.1
170 21.6 19.2 28.8



#51
2,6-Dinitrotoluene
Concen: 7.60 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:165 Resp: 8711
Ion Ratio Lower Upper
165 100
63 3.8 67.7 101.5#
89 0.0 58.8 88.2#

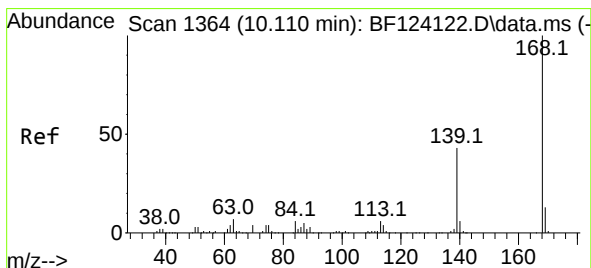
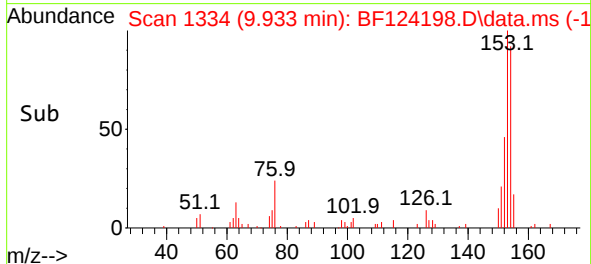
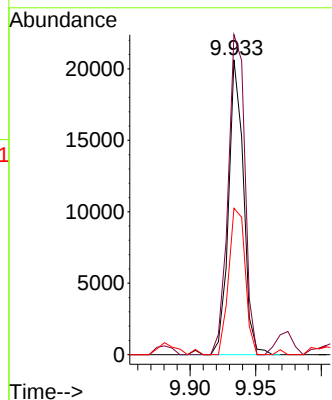
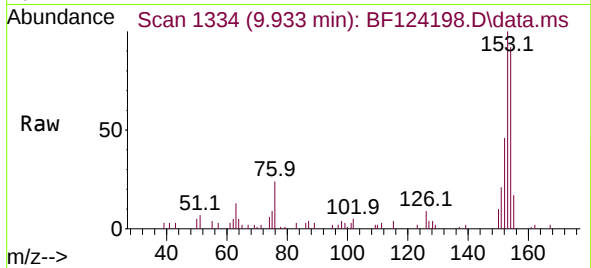




#52
Acenaphthene
Concen: 4.16 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

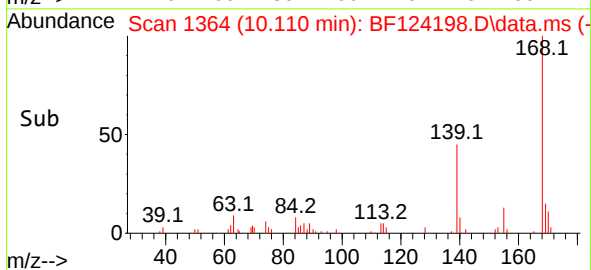
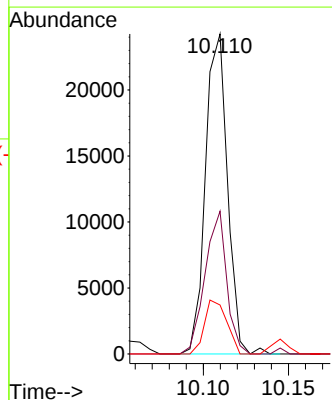
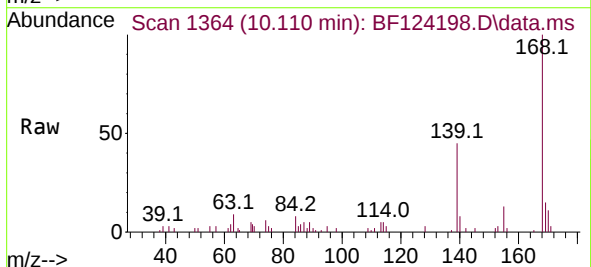
Instrument :
BNA_F
ClientSampled :
18-B8(0-2)DL

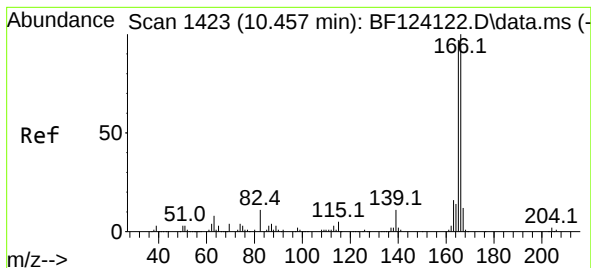
Tgt Ion:154 Resp: 16383
Ion Ratio Lower Upper
154 100
153 108.5 88.1 132.1
152 49.7 43.4 65.0



#55
Dibenzofuran
Concen: 3.53 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:168 Resp: 21766
Ion Ratio Lower Upper
168 100
139 44.6 33.2 49.8
169 15.3 10.8 16.2

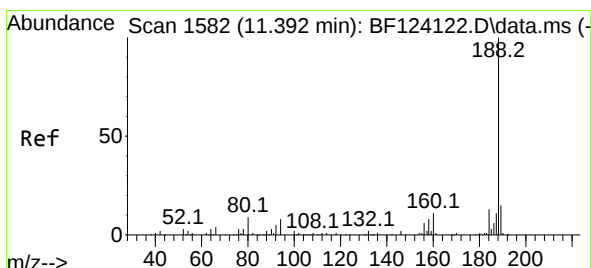
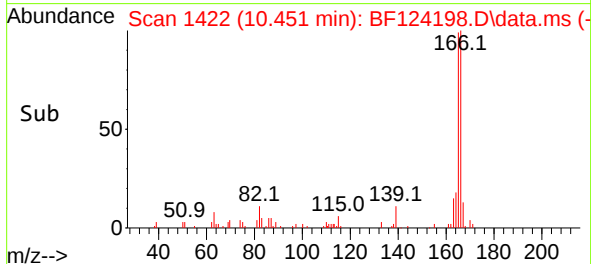
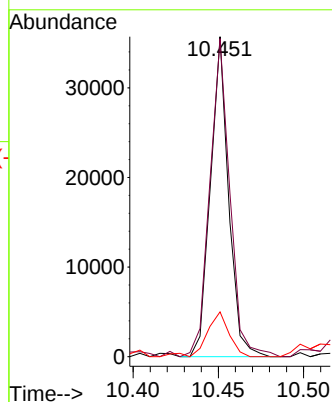
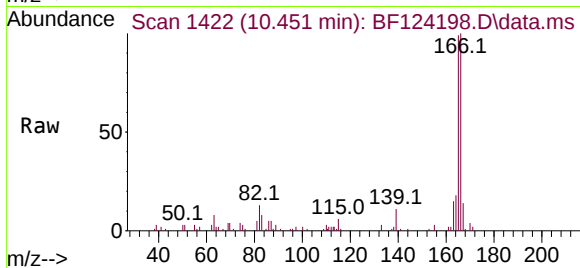




#58
Fluorene
Concen: 5.60 ng
RT: 10.451 min Scan# 1422
Delta R.T. -0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

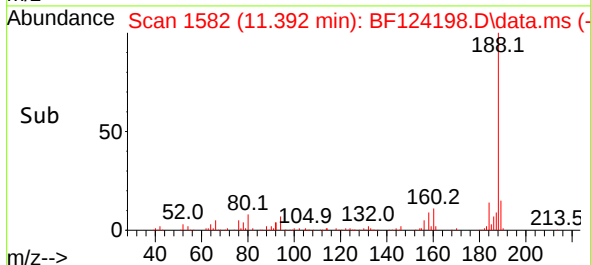
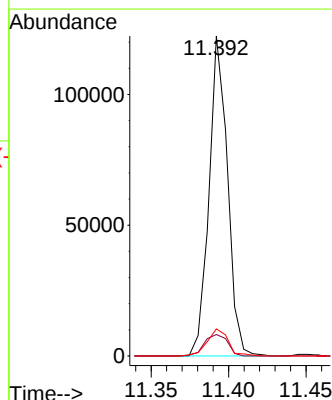
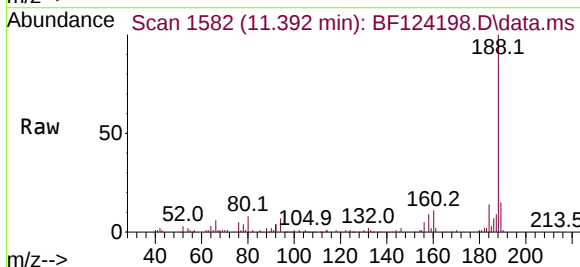
Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL

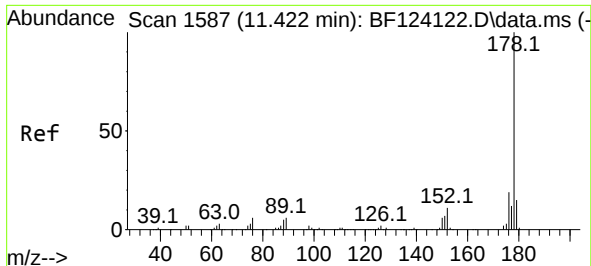
Tgt Ion:166 Resp: 26496
Ion Ratio Lower Upper
166 100
165 99.4 73.5 110.3
167 14.0 10.7 16.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:188 Resp: 101345
Ion Ratio Lower Upper
188 100
94 6.7 6.9 10.3#
80 8.4 8.2 12.2

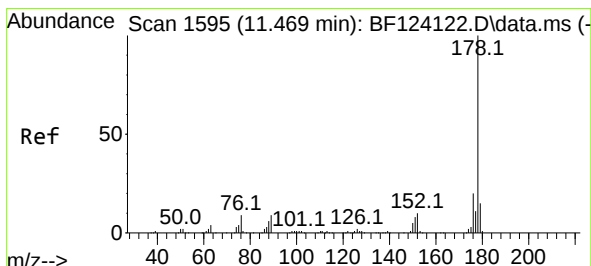
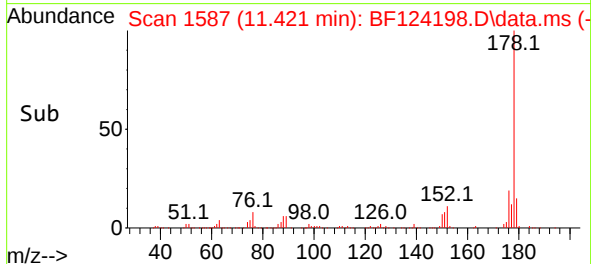
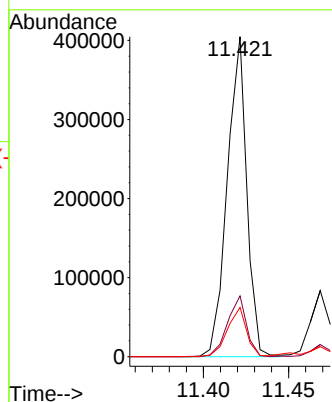
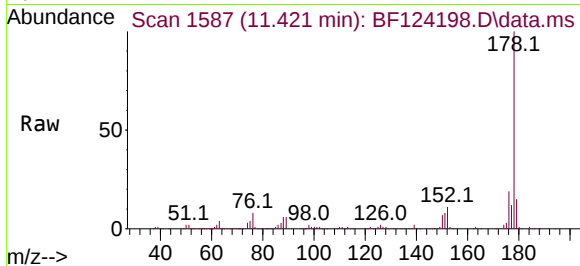




#71
Phenanthrene
Concen: 51.01 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

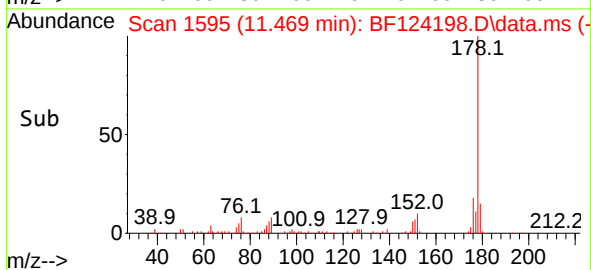
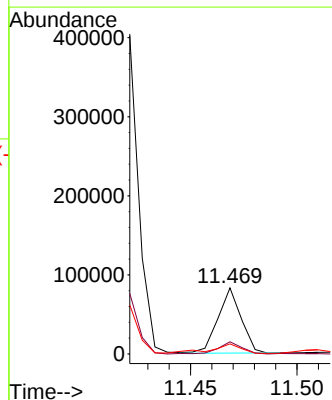
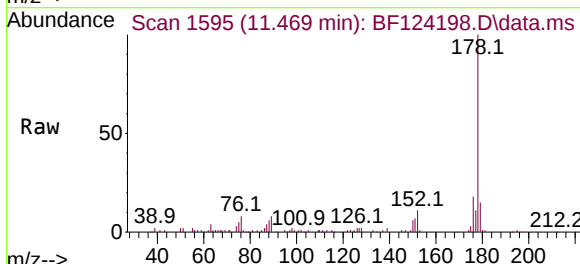
Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL

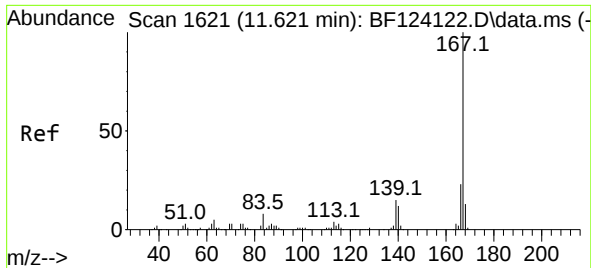
Tgt Ion:178 Resp: 322939
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.4 12.5 18.7



#72
Anthracene
Concen: 9.81 ng
RT: 11.469 min Scan# 1595
Delta R.T. -0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:178 Resp: 62529
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.3 12.6 18.8

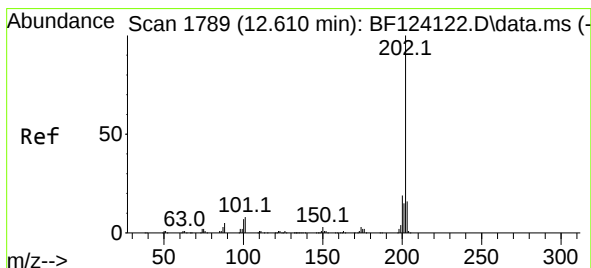
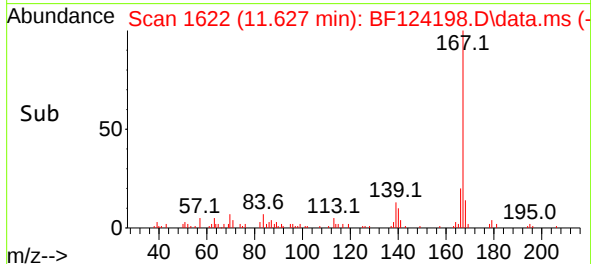
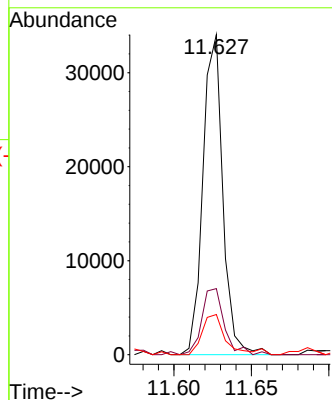
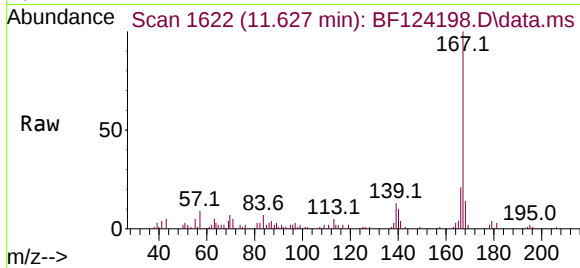




#73
 Carbazole
 Concen: 5.48 ng
 RT: 11.627 min Scan# 1622
 Delta R.T. 0.006 min
 Lab File: BF124198.D
 Acq: 9 Jun 2021 1:07

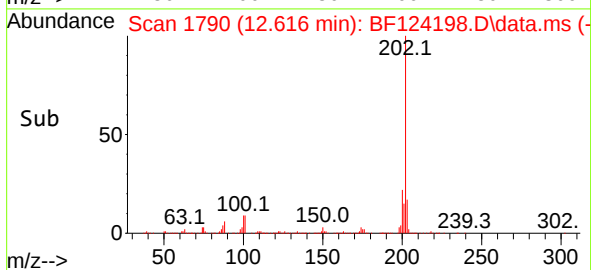
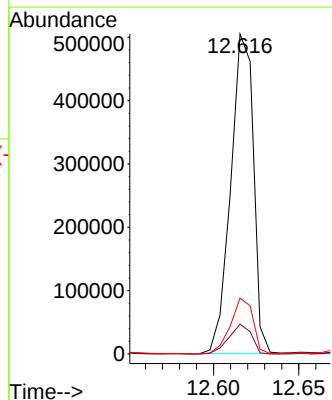
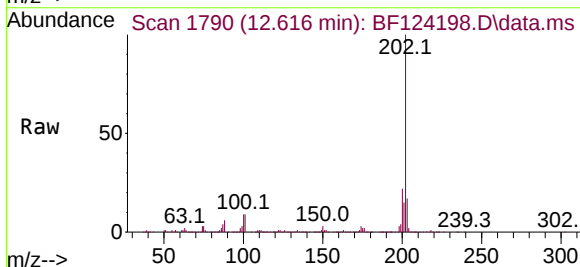
Instrument :
 BNA_F
 ClientSampleId :
 18-B8(0-2)DL

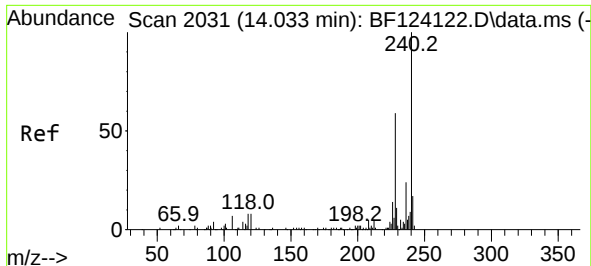
Tgt Ion:167	Resp:	30448
Ion Ratio	Lower	Upper
167	100	
166	20.7	17.0 25.6
139	12.6	10.4 15.6



#75
 Fluoranthene
 Concen: 70.45 ng
 RT: 12.616 min Scan# 1790
 Delta R.T. 0.006 min
 Lab File: BF124198.D
 Acq: 9 Jun 2021 1:07

Tgt Ion:202	Resp:	468182
Ion Ratio	Lower	Upper
202	100	
101	9.3	0.0 30.9
203	17.5	0.0 37.5

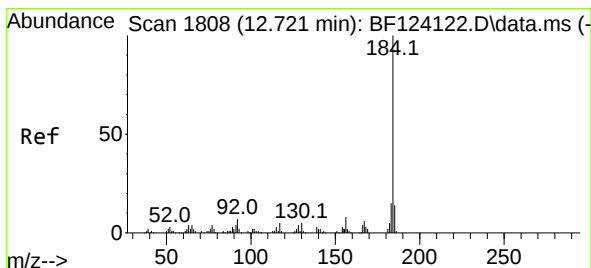
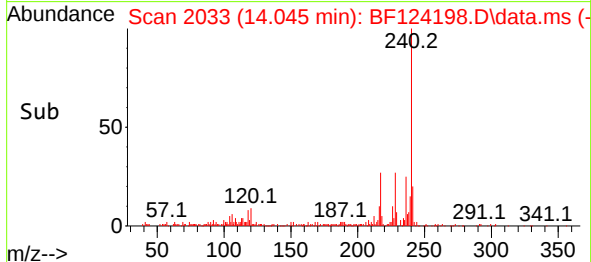
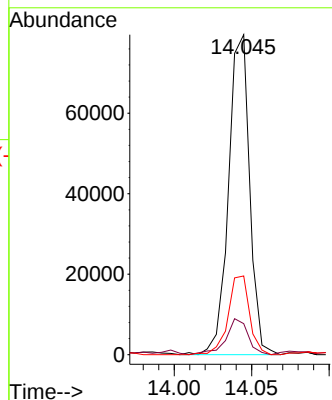
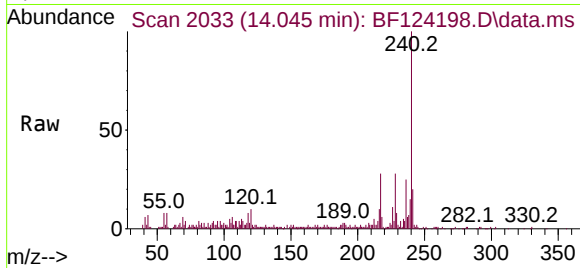




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.012 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

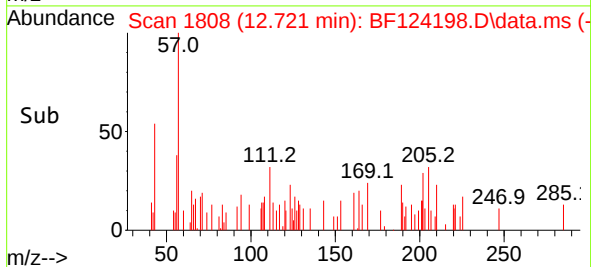
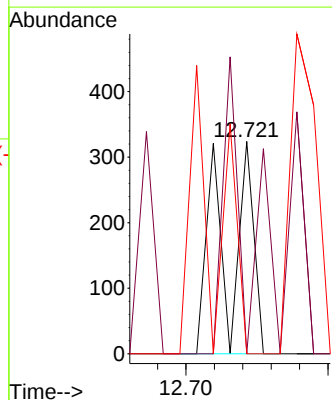
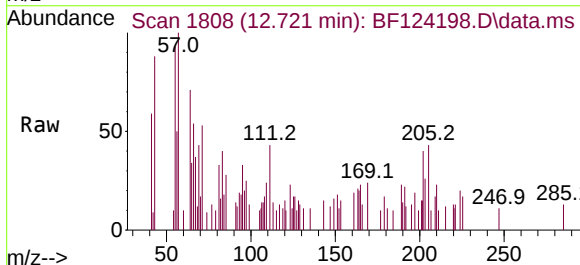
Instrument :
BNA_F
ClientSampleID :
18-B8(0-2)DL

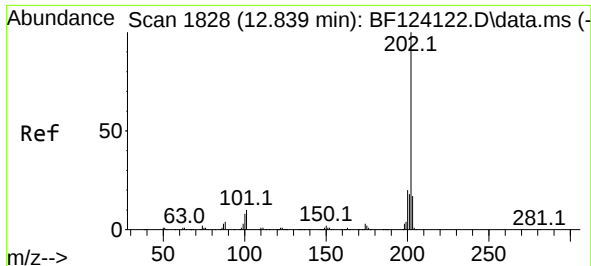
Tgt Ion:240 Resp: 75398
Ion Ratio Lower Upper
240 100
120 9.7 7.2 10.8
236 24.6 19.0 28.4



#77
Benzidine
Concen: 4.18 ng
RT: 12.721 min Scan# 1808
Delta R.T. 0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:184 Resp: 228
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#

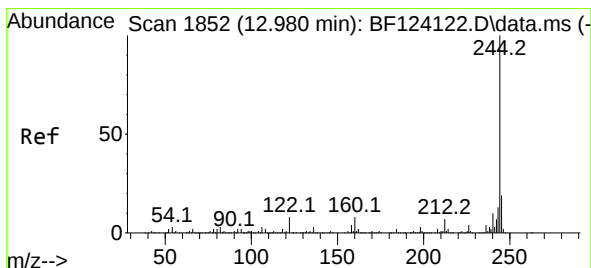
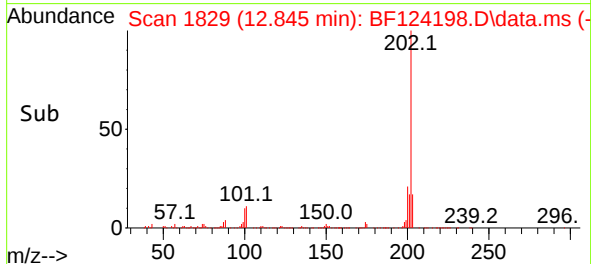
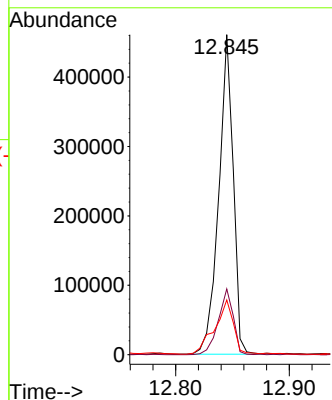
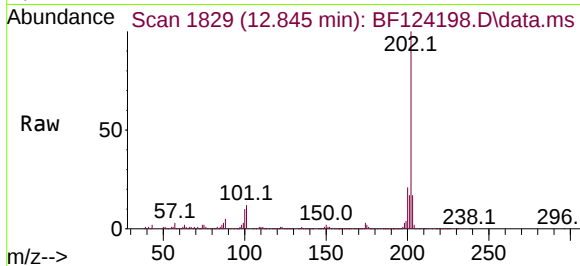




#78
Pyrene
Concen: 56.54 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

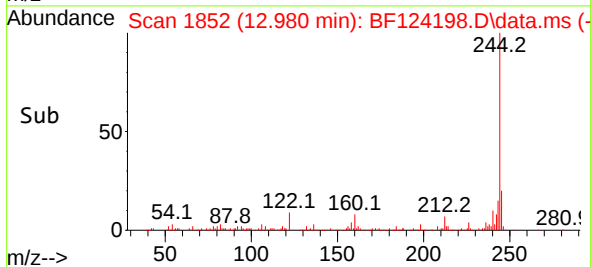
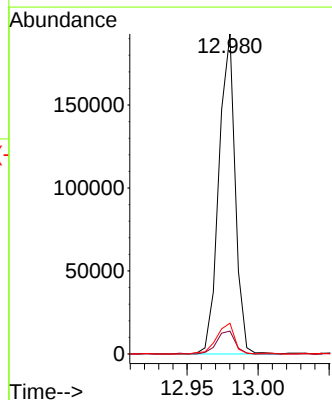
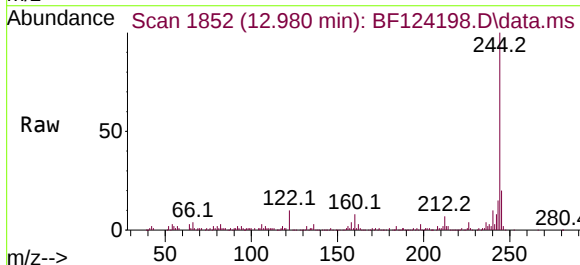
Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL

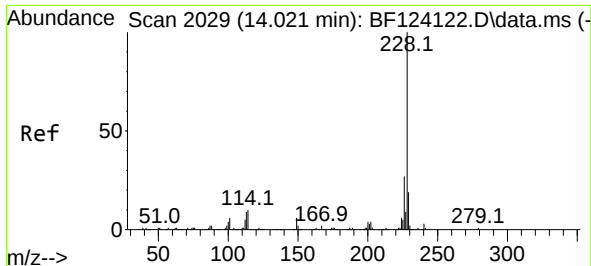
Tgt Ion:202 Resp: 409363
Ion Ratio Lower Upper
202 100
200 20.5 16.1 24.1
203 17.1 14.8 22.2



#79
Terphenyl-d14
Concen: 28.08 ng
RT: 12.980 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:244 Resp: 154201
Ion Ratio Lower Upper
244 100
212 7.2 5.7 8.5
122 9.6 9.7 14.5#

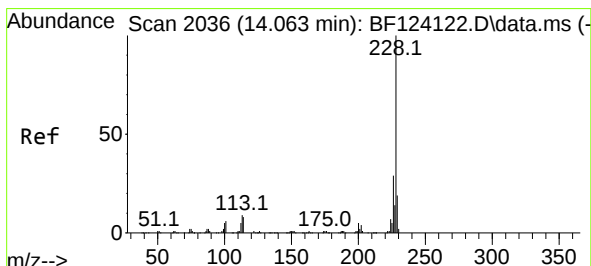
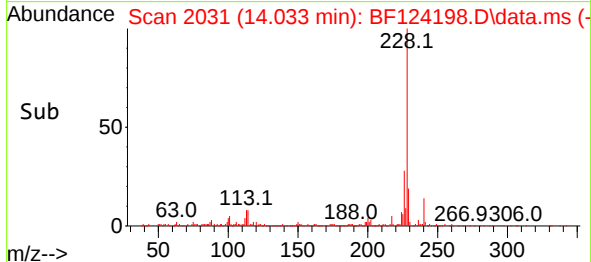
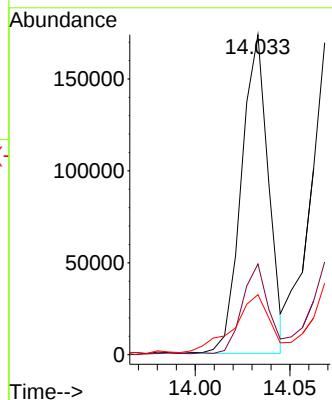
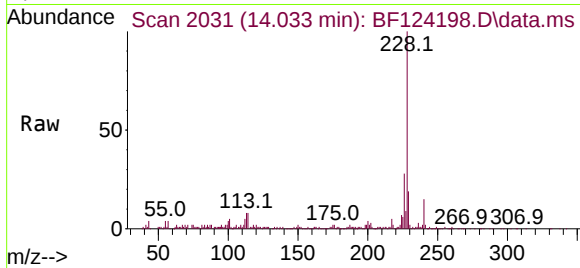




#81
Benzo(a)anthracene
Concen: 31.36 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.012 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

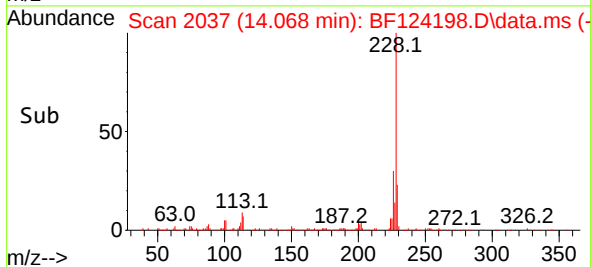
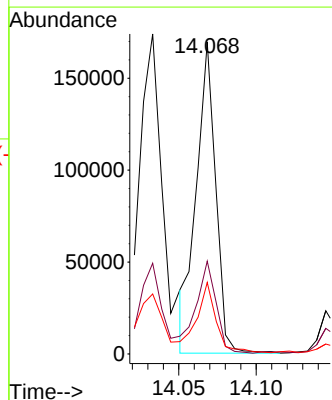
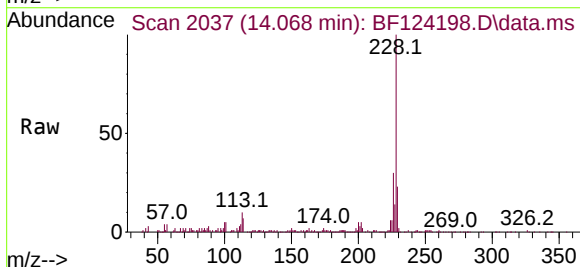
Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL

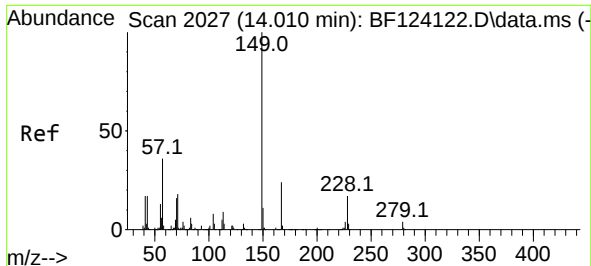
Tgt Ion:228 Resp: 172264
Ion Ratio Lower Upper
228 100
226 28.4 22.4 33.6
229 18.8 16.0 24.0



#83
Chrysene
Concen: 27.82 ng
RT: 14.068 min Scan# 2037
Delta R.T. 0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:228 Resp: 147414
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 22.9 16.2 24.2

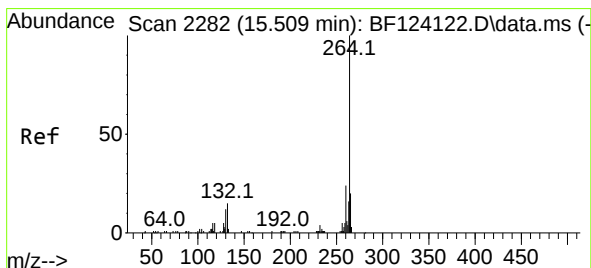
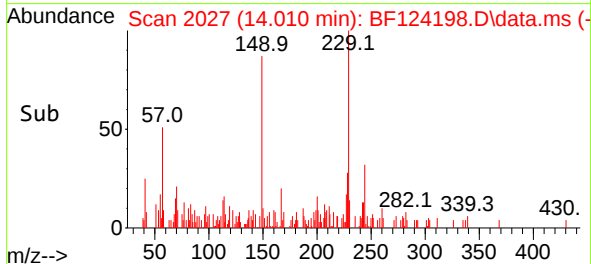
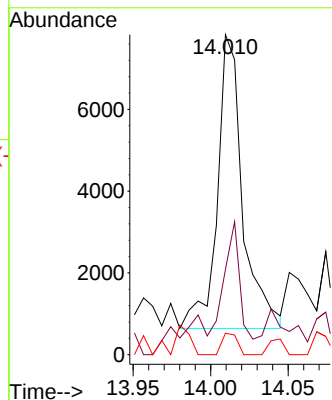
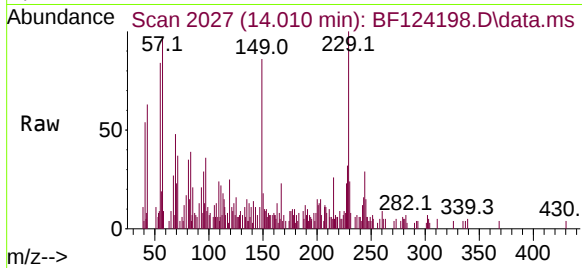




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.33 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

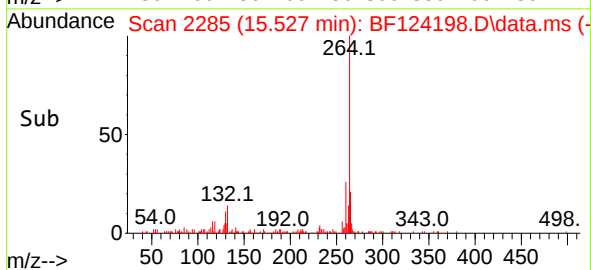
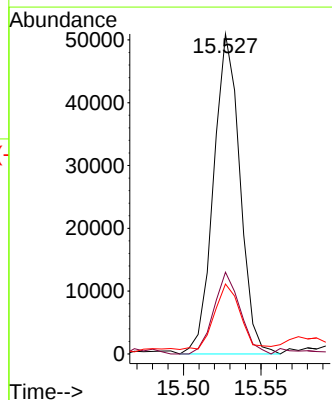
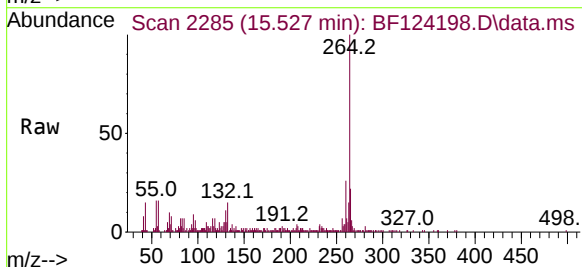
Instrument :
BNA_F
ClientSampled :
18-B8(0-2)DL

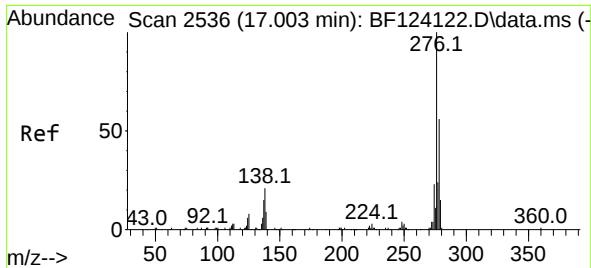
Tgt Ion:149 Resp: 8149
Ion Ratio Lower Upper
149 100
167 26.7 21.8 32.6
279 6.7 3.3 4.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.527 min Scan# 2285
Delta R.T. 0.018 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:264 Resp: 60187
Ion Ratio Lower Upper
264 100
260 25.5 18.7 28.1
265 21.8 17.8 26.8

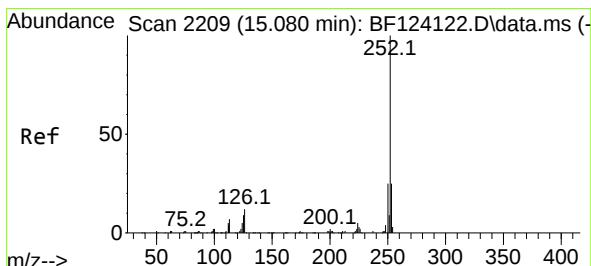
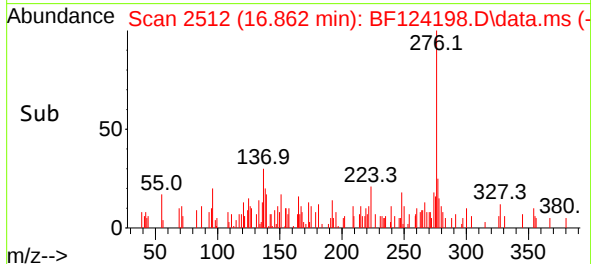
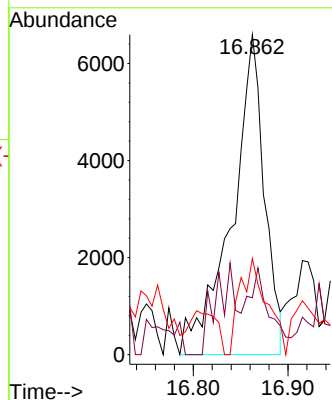
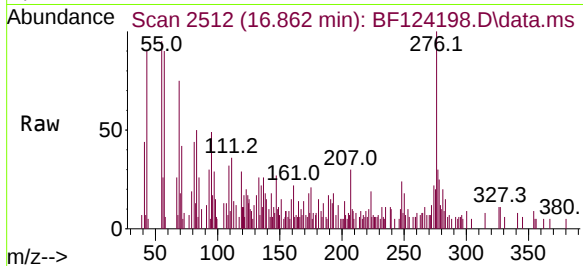




#87
Indeno(1,2,3-cd)pyrene
Concen: 7.20 ng
RT: 16.862 min Scan# 2512
Delta R.T. -0.141 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

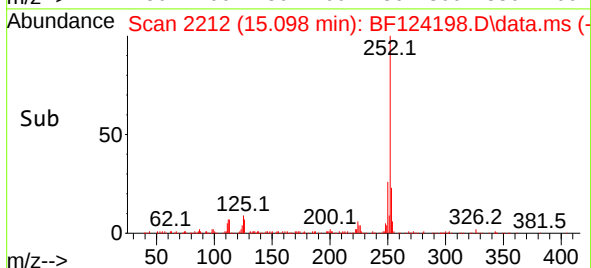
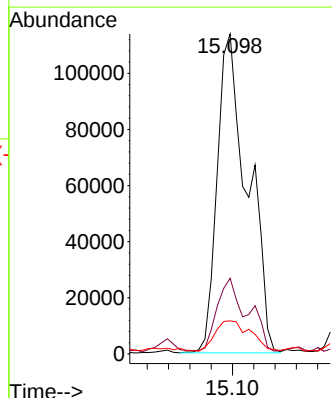
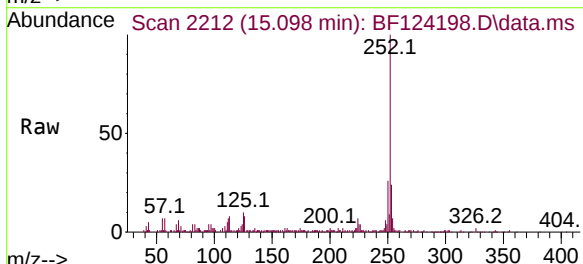
Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL

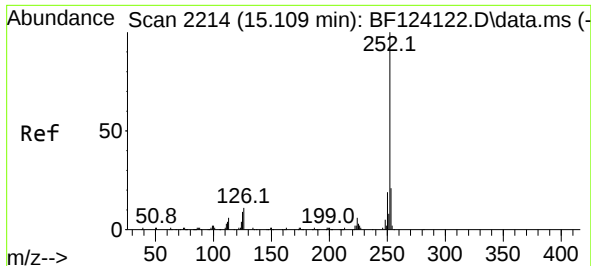
Tgt Ion:276 Resp: 15803
Ion Ratio Lower Upper
276 100
138 16.4 16.2 24.2
277 24.6 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 48.01 ng
RT: 15.098 min Scan# 2212
Delta R.T. 0.018 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:252 Resp: 224463
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 10.3 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 50.71 ng

RT: 15.098 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF124198.D

Acq: 9 Jun 2021 1:07

Tgt Ion:252 Resp: 224463

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

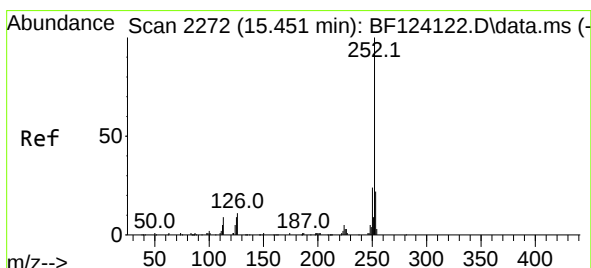
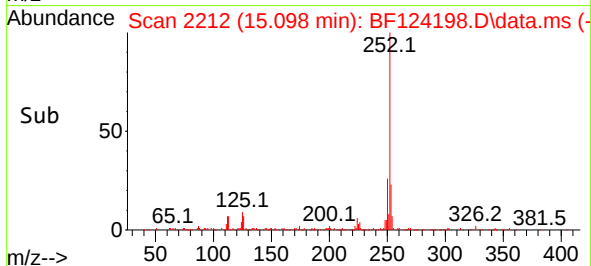
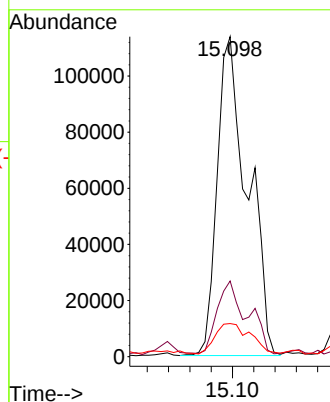
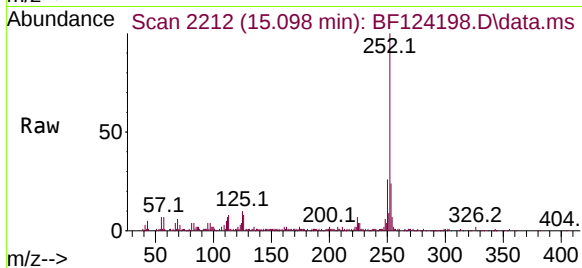
125 10.3 7.0 10.6

Instrument :

BNA_F

ClientSampleId :

18-B8(0-2)DL



#90

Benzo(a)pyrene

Concen: 28.00 ng

RT: 15.468 min Scan# 2275

Delta R.T. 0.018 min

Lab File: BF124198.D

Acq: 9 Jun 2021 1:07

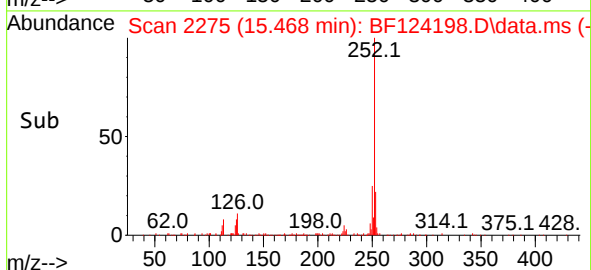
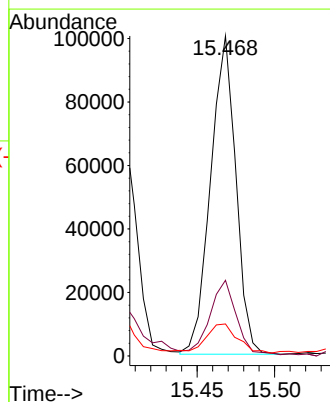
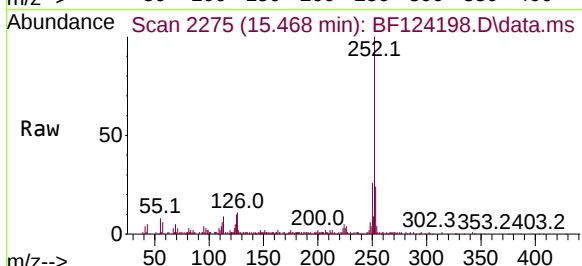
Tgt Ion:252 Resp: 113710

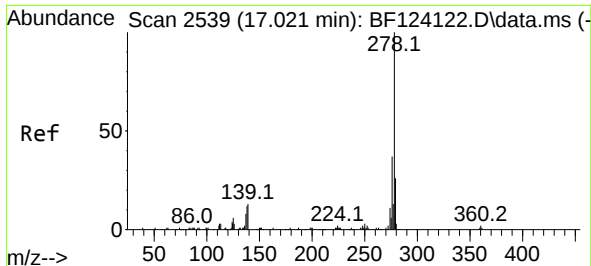
Ion Ratio Lower Upper

252 100

253 23.7 18.4 27.6

125 10.0 8.0 12.0

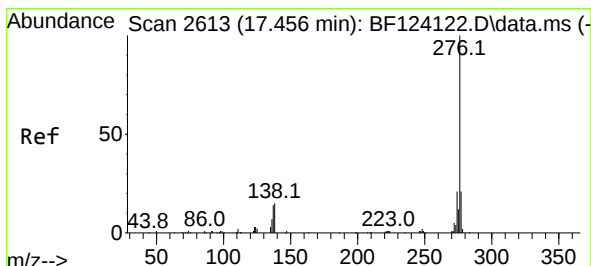
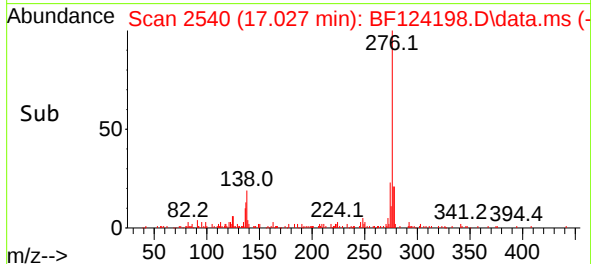
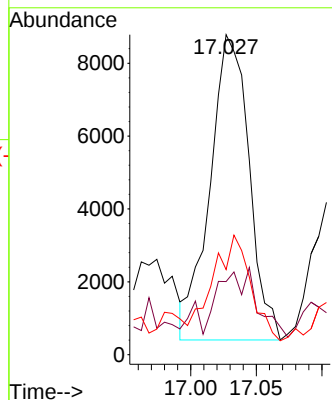
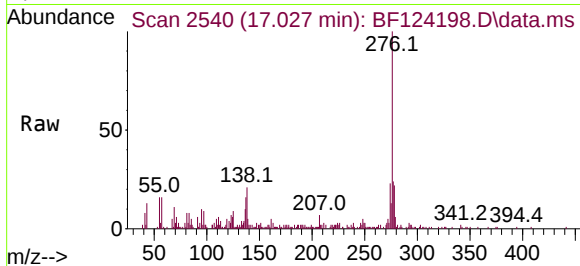




#91
Dibenzo(a,h)anthracene
Concen: 7.88 ng
RT: 17.027 min Scan# 2540
Delta R.T. 0.006 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Instrument :
BNA_F
ClientSampleId :
18-B8(0-2)DL

Tgt Ion:278 Resp: 17366
Ion Ratio Lower Upper
278 100
139 22.8 10.2 15.2#
279 26.6 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 6.81 ng
RT: 17.727 min Scan# 2659
Delta R.T. 0.271 min
Lab File: BF124198.D
Acq: 9 Jun 2021 1:07

Tgt Ion:276 Resp: 13775
Ion Ratio Lower Upper
276 100
277 25.6 18.2 27.2
138 17.4 13.8 20.6

