

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061121\
 Data File : BF124260.D
 Acq On : 11 Jun 2021 14:45
 Operator : JU/CG
 Sample : M2612-02DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B12(10-14)DL

Quant Time: Jun 11 15:06:08 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

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

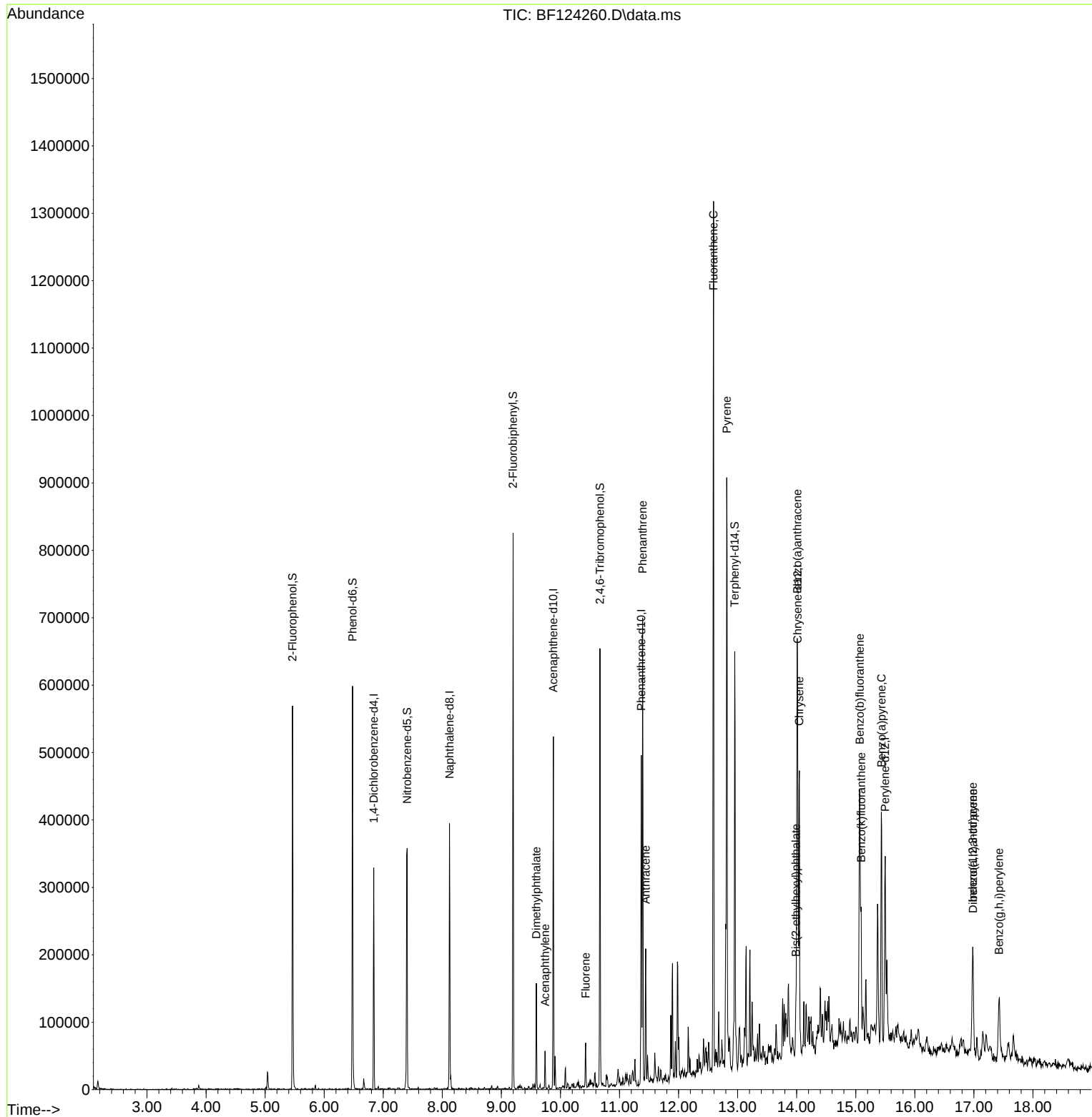
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	40062	20.00	ng	-0.01
21) Naphthalene-d8	8.122	136	142926	20.00	ng	-0.01
39) Acenaphthene-d10	9.881	164	87221	20.00	ng	-0.01
64) Phenanthrene-d10	11.369	188	157178	20.00	ng	0.00
76) Chrysene-d12	14.016	240	97056	20.00	ng	0.00
86) Perylene-d12	15.498	264	106923	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	117391	44.11	ng	-0.02
7) Phenol-d6	6.481	99	144500	40.39	ng	-0.02
23) Nitrobenzene-d5	7.404	82	111784	31.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	55135	44.62	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	195003	28.13	ng	-0.01
79) Terphenyl-d14	12.951	244	176969	25.03	ng	-0.01
Target Compounds						
						Qvalue
49) Acenaphthylene	9.739	152	18076	2.07	ng	# 94
50) Dimethylphthalate	9.592	163	44309	6.14	ng	# 95
58) Fluorene	10.428	166	14842	2.17	ng	# 74
71) Phenanthrene	11.392	178	214351	21.83	ng	98
72) Anthracene	11.445	178	63199	6.39	ng	99
75) Fluoranthene	12.592	202	469809	45.58	ng	98
78) Pyrene	12.816	202	365976	39.27	ng	96
81) Benzo(a)anthracene	14.010	228	185201	26.19	ng	99
83) Chrysene	14.045	228	149698	21.94	ng	95
84) Bis(2-ethylhexyl)phtha...	13.986	149	11035	2.45	ng	# 87
87) Indeno(1,2,3-cd)pyrene	16.980	276	88553	13.39	ng	98
88) Benzo(b)fluoranthene	15.068	252	206546m	24.87	ng	
89) Benzo(k)fluoranthene	15.092	252	72474m	9.22	ng	
90) Benzo(a)pyrene	15.433	252	149223	20.68	ng	98
91) Dibenzo(a,h)anthracene	16.986	278	24962m	7.18	ng	
92) Benzo(g,h,i)perylene	17.427	276	71217	12.56	ng	97

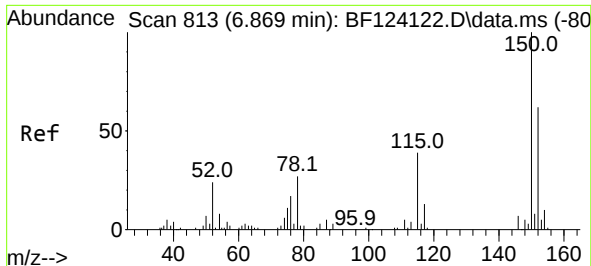
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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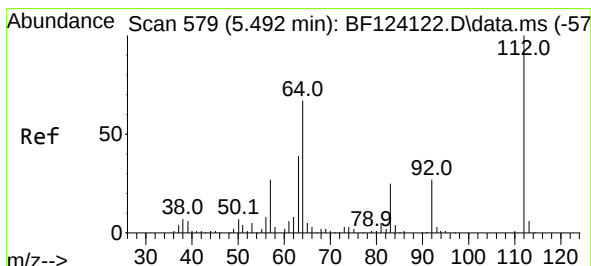
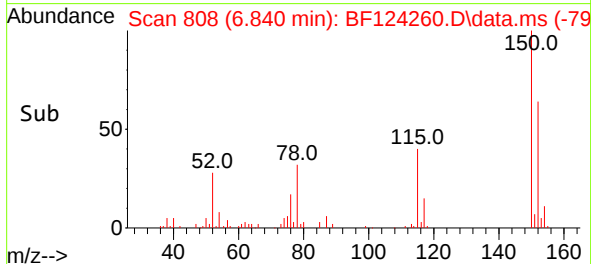
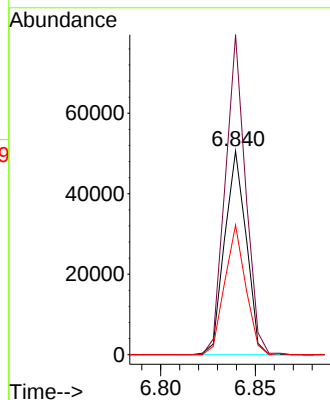
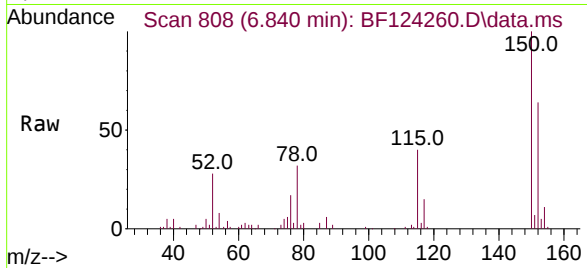




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

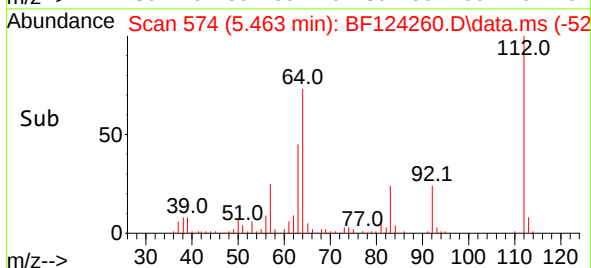
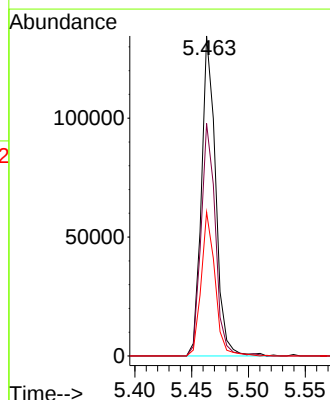
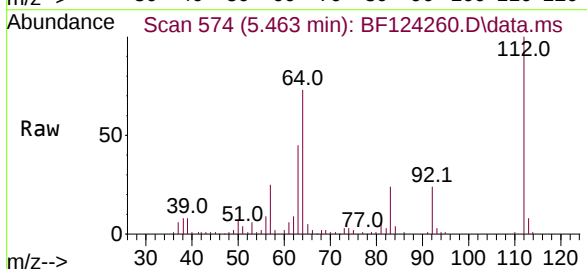
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL

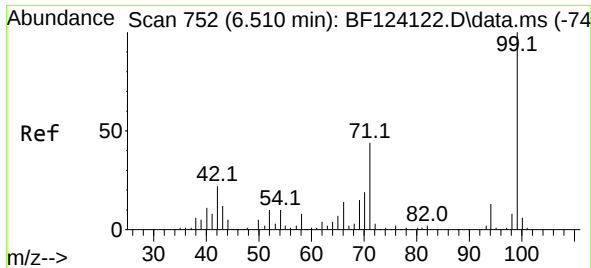
Tgt Ion:152 Resp: 40062
Ion Ratio Lower Upper
152 100
150 157.1 127.0 190.6
115 63.6 54.3 81.5



#5
2-Fluorophenol
Concen: 44.11 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.017 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Tgt Ion:112 Resp: 117391
Ion Ratio Lower Upper
112 100
64 72.7 61.4 92.0
63 44.9 33.0 49.4

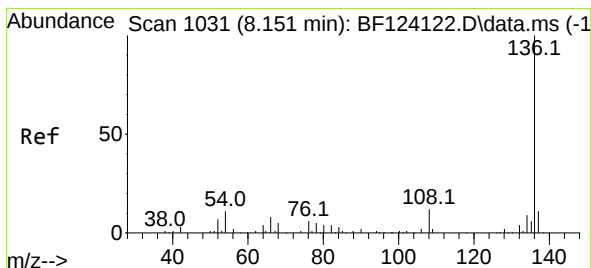
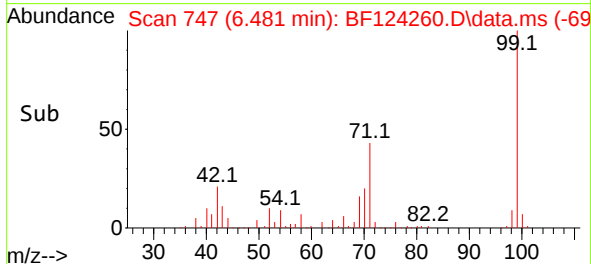
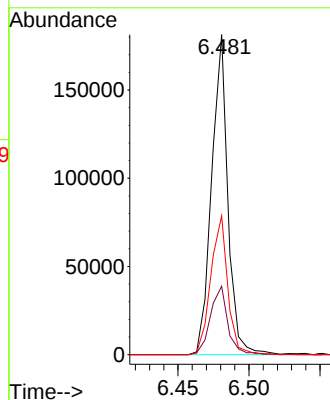
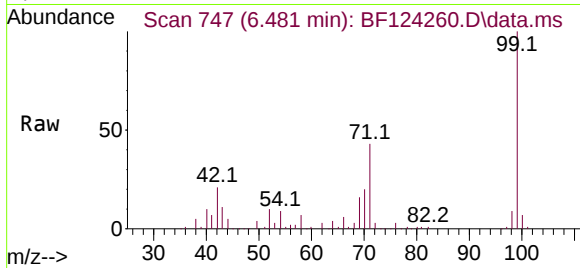




#7
Phenol-d6
Concen: 40.39 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.017 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

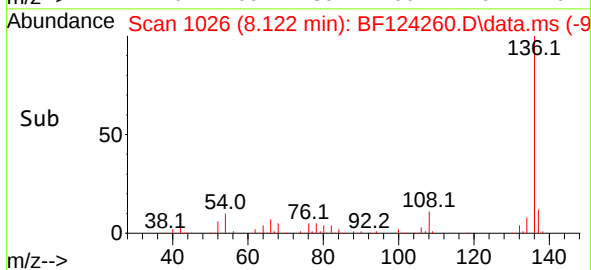
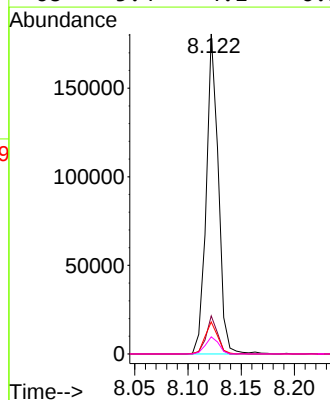
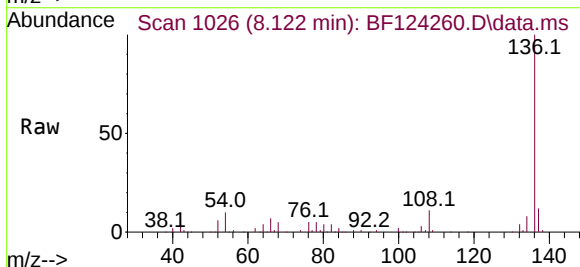
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL

Tgt Ion: 99 Resp: 144500
Ion Ratio Lower Upper
99 100
42 21.4 19.8 29.8
71 43.4 31.1 46.7



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Tgt Ion: 136 Resp: 142926
Ion Ratio Lower Upper
136 100
137 11.9 8.7 13.1
54 10.0 9.8 14.6
68 5.4 4.1 6.1





#23

Nitrobenzene-d5

Concen: 31.02 ng

RT: 7.404 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF124260.D

Acq: 11 Jun 2021 14:45

Instrument :

BNA_F

ClientSampleId :

18-B12(10-14)DL

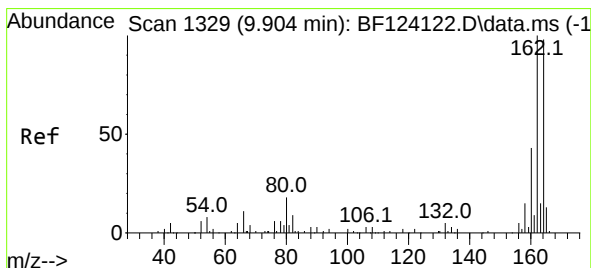
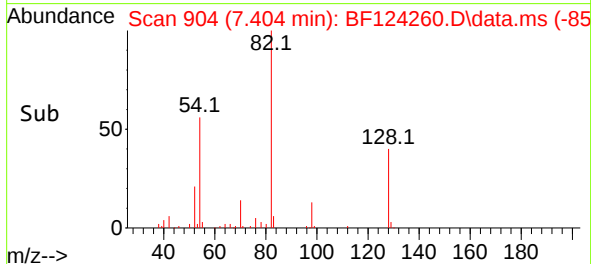
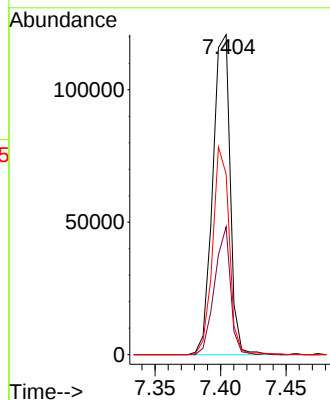
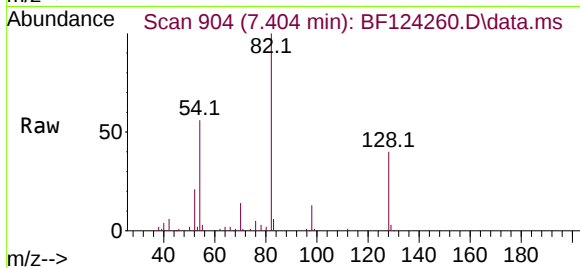
Tgt Ion: 82 Resp: 111784

Ion Ratio Lower Upper

82 100

128 40.0 29.4 44.2

54 56.4 54.1 81.1



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.881 min Scan# 1325

Delta R.T. -0.012 min

Lab File: BF124260.D

Acq: 11 Jun 2021 14:45

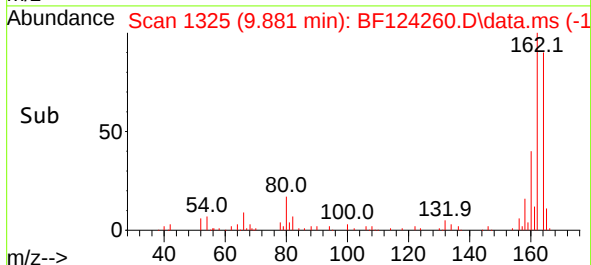
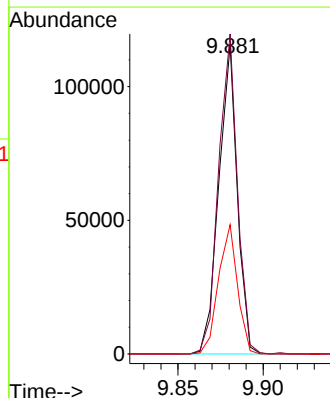
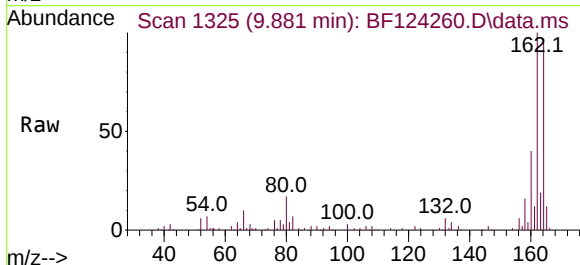
Tgt Ion: 164 Resp: 87221

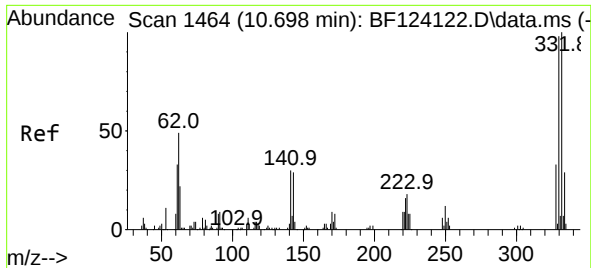
Ion Ratio Lower Upper

164 100

162 103.4 80.7 121.1

160 41.8 37.3 55.9

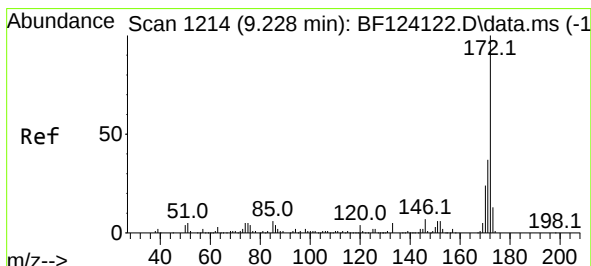
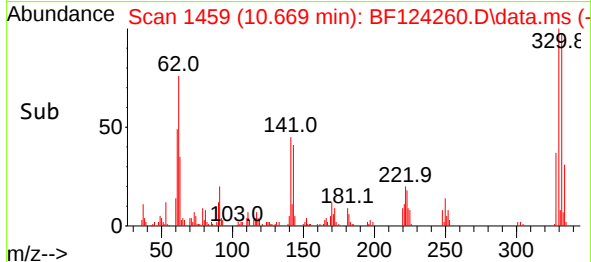
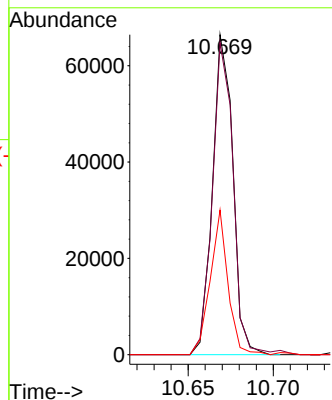
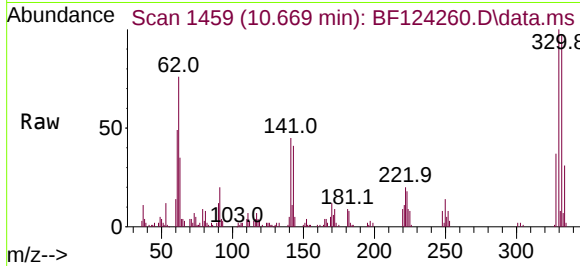




#42
2,4,6-Tribromophenol
Concen: 44.62 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.012 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

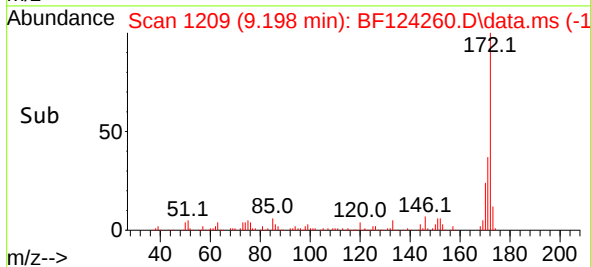
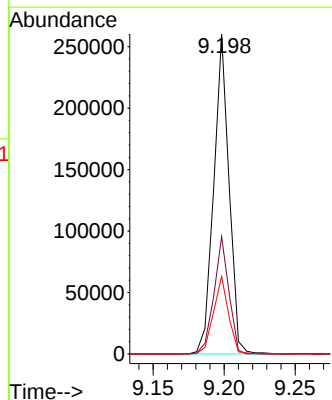
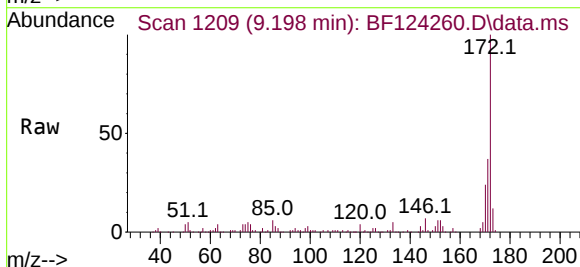
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18-B12(10-14)DL

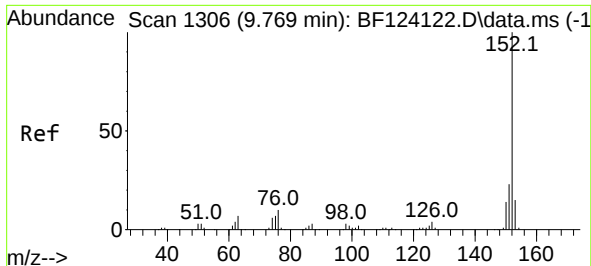
Tgt Ion:	330	Resp:	55135
Ion Ratio	Lower	Upper	
330	100		
332	99.7	77.1	115.7
141	39.5	27.9	41.9



#45
2-Fluorobiphenyl
Concen: 28.13 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Tgt Ion:	172	Resp:	195003
Ion Ratio	Lower	Upper	
172	100		
171	36.7	28.1	42.1
170	24.3	19.2	28.8

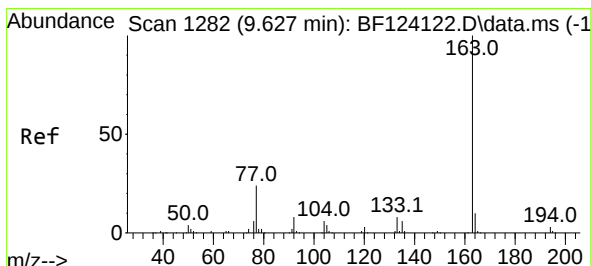
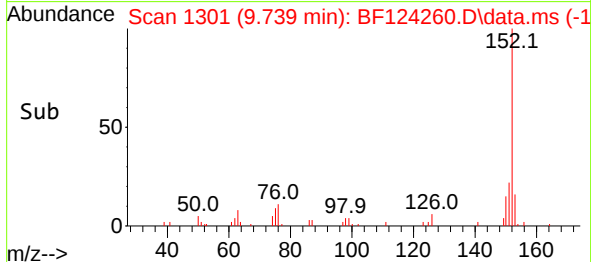
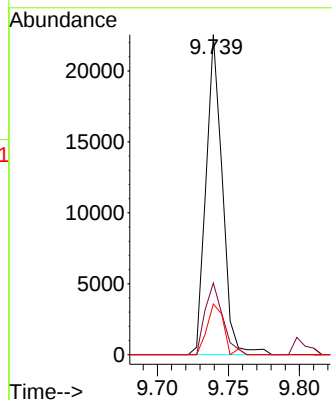
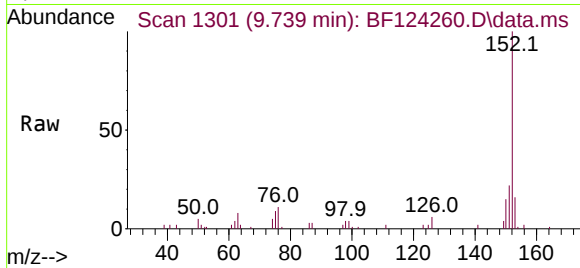




#49
Acenaphthylene
Concen: 2.07 ng
RT: 9.739 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

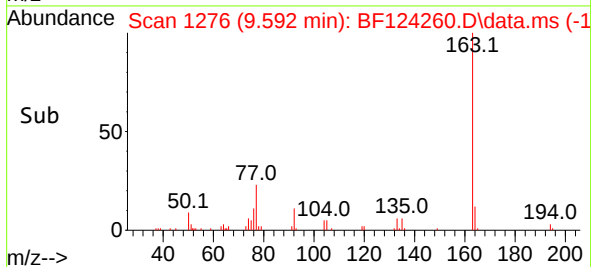
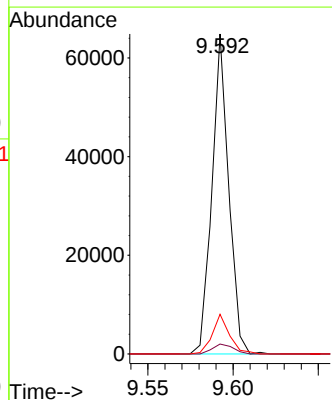
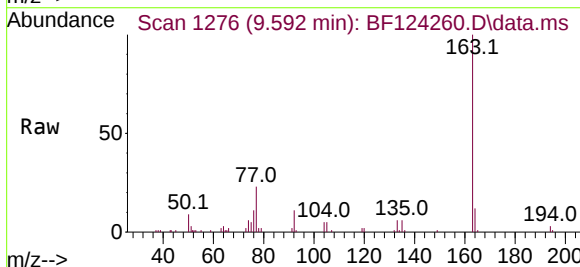
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18-B12(10-14)DL

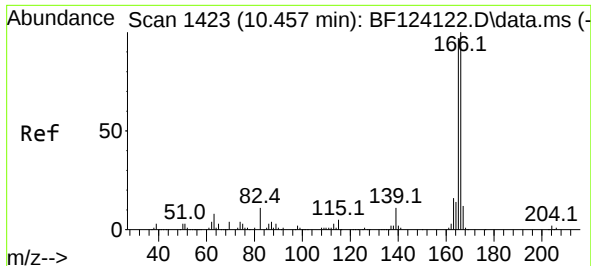
Tgt Ion:152 Resp: 18076
Ion Ratio Lower Upper
152 100
151 22.4 16.0 24.0
153 15.8 10.4 15.6#



#50
Dimethylphthalate
Concen: 6.14 ng
RT: 9.592 min Scan# 1276
Delta R.T. -0.023 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Tgt Ion:163 Resp: 44309
Ion Ratio Lower Upper
163 100
194 3.1 3.1 4.7#
164 12.4 8.2 12.2#

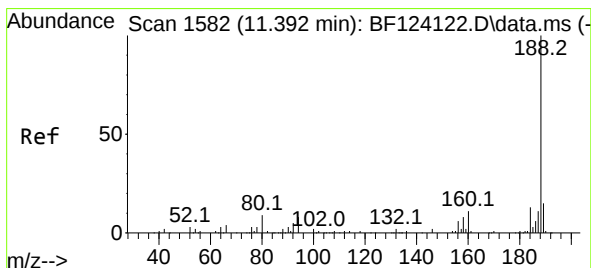
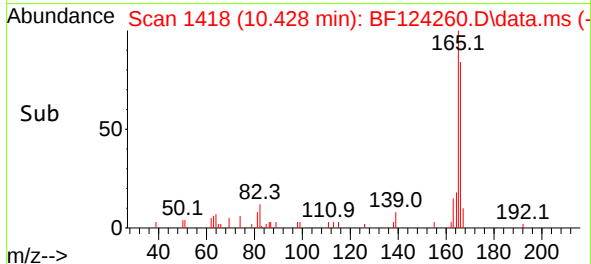
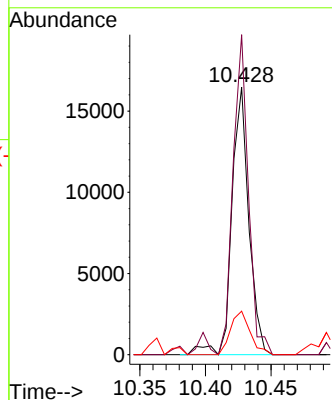
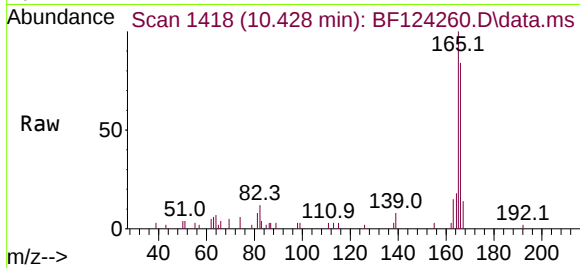




#58
Fluorene
Concen: 2.17 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.012 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

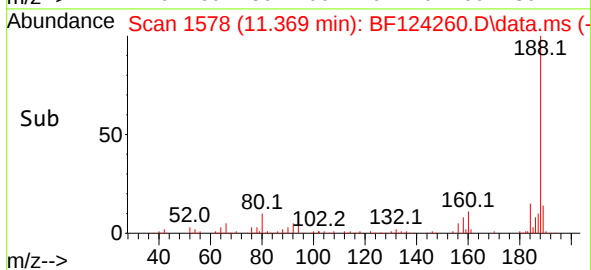
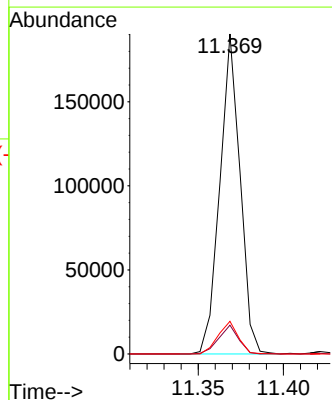
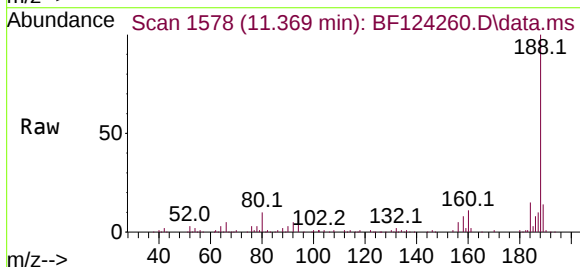
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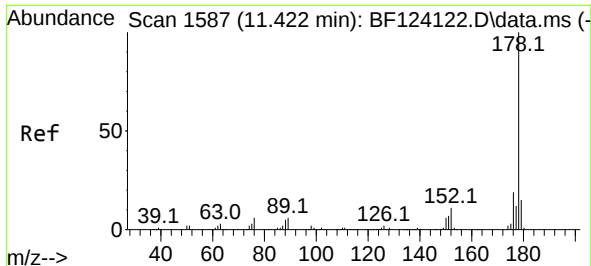
Tgt Ion:166 Resp: 14842
Ion Ratio Lower Upper
166 100
165 119.6 73.5 110.3#
167 16.3 10.7 16.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Tgt Ion:188 Resp: 157178
Ion Ratio Lower Upper
188 100
94 9.0 6.9 10.3
80 10.2 8.2 12.2

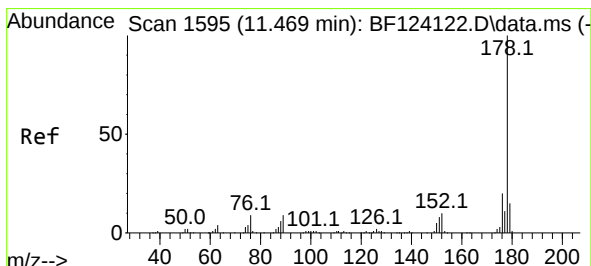
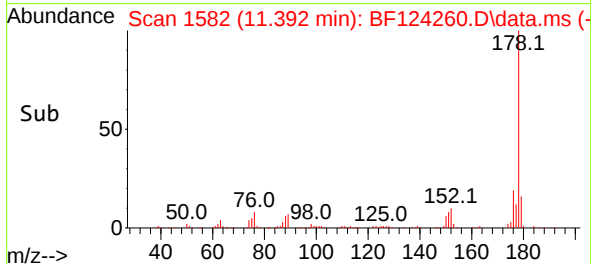
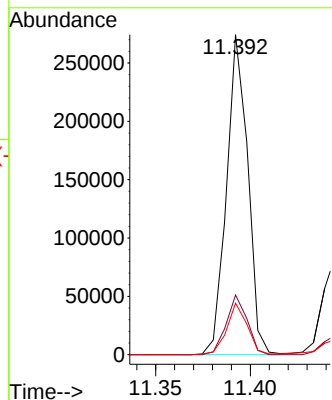
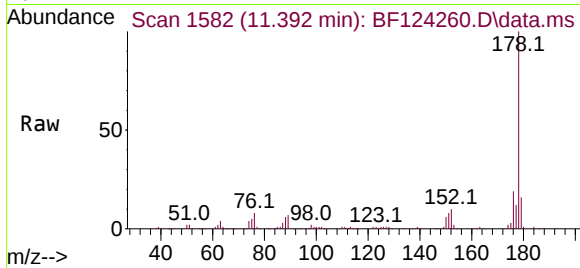




#71
Phenanthrene
Concen: 21.83 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

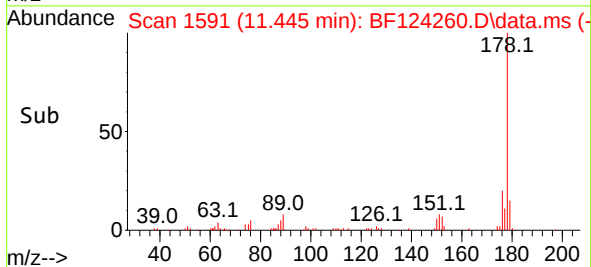
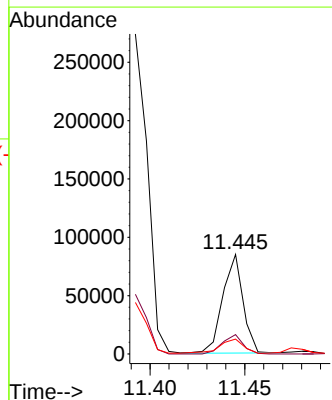
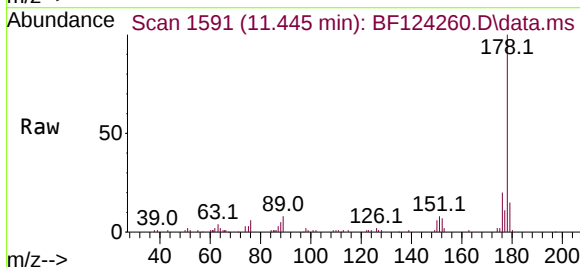
Instrument :
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18-B12(10-14)DL

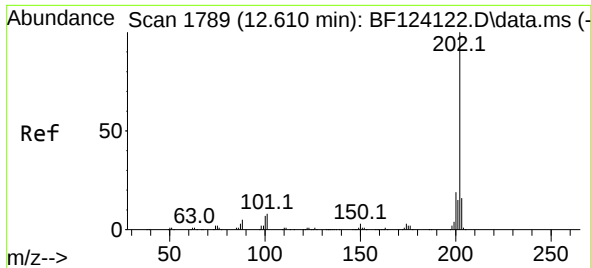
Tgt Ion:178 Resp: 214351
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 16.1 12.5 18.7



#72
Anthracene
Concen: 6.39 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Tgt Ion:178 Resp: 63199
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.0 12.6 18.8

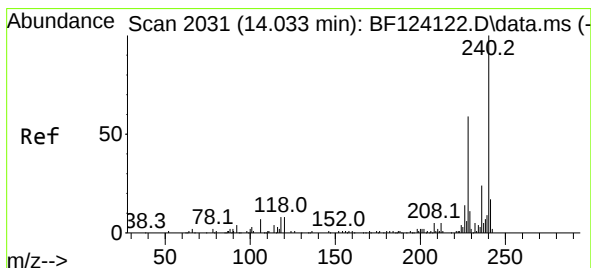
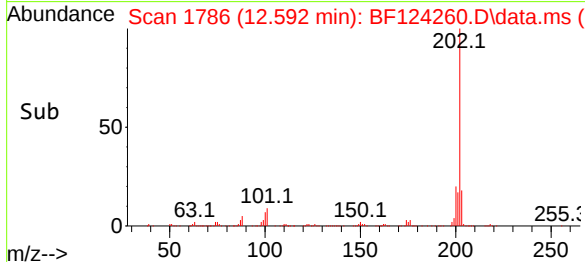
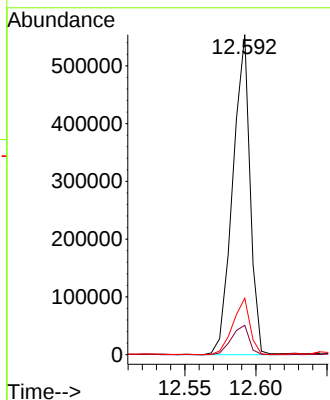
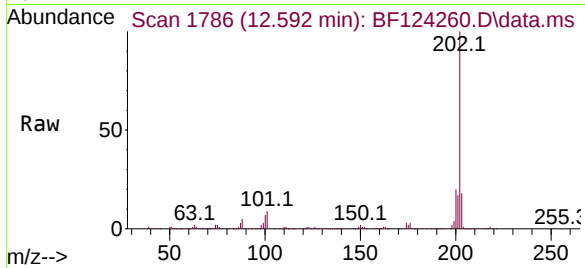




#75
Fluoranthene
Concen: 45.58 ng
RT: 12.592 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

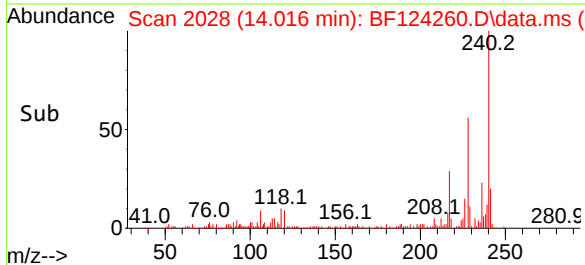
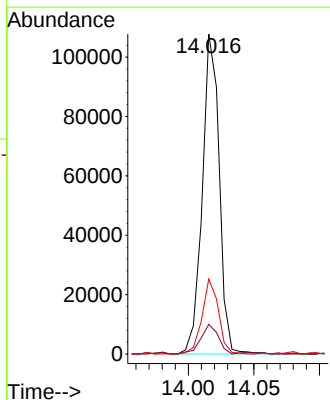
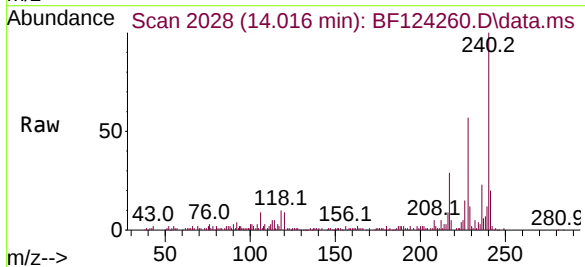
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL

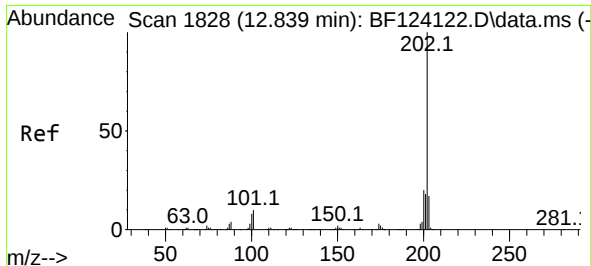
Tgt Ion:202 Resp: 469809
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.9
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Tgt Ion:240 Resp: 97056
Ion Ratio Lower Upper
240 100
120 9.2 7.2 10.8
236 23.4 19.0 28.4

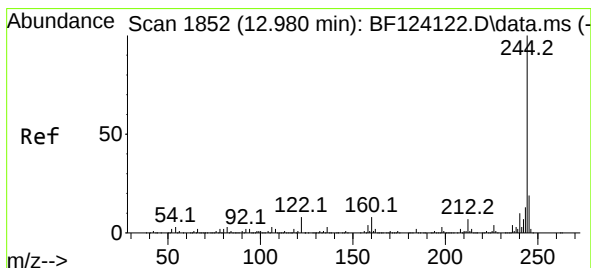
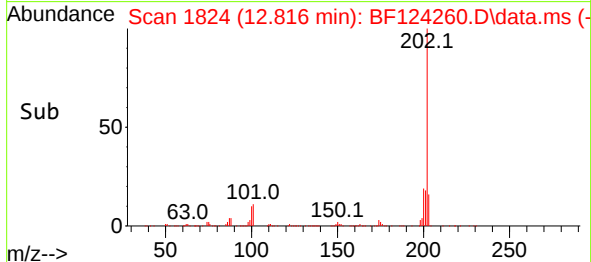
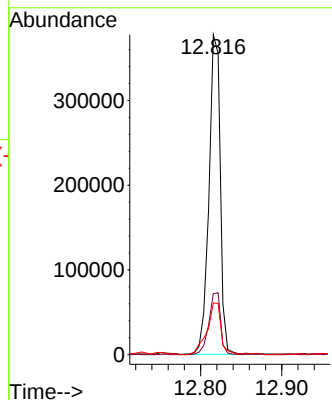
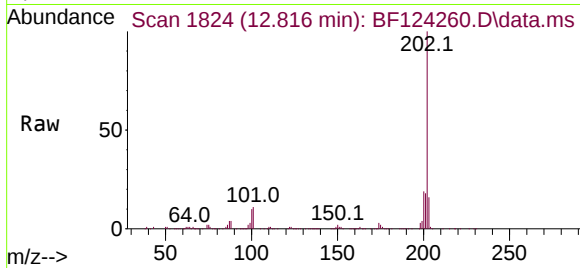




#78
Pyrene
Concen: 39.27 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

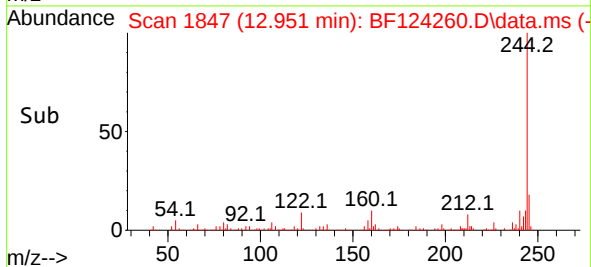
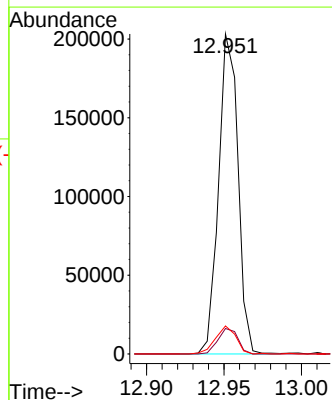
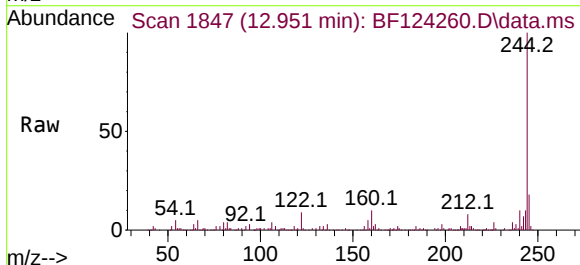
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL

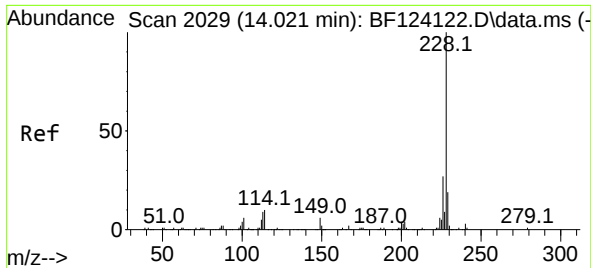
Tgt Ion:202 Resp: 365976
Ion Ratio Lower Upper
202 100
200 19.0 16.1 24.1
203 16.1 14.8 22.2



#79
Terphenyl-d14
Concen: 25.03 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.012 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Tgt Ion:244 Resp: 176969
Ion Ratio Lower Upper
244 100
212 8.0 5.7 8.5
122 8.8 9.7 14.5#

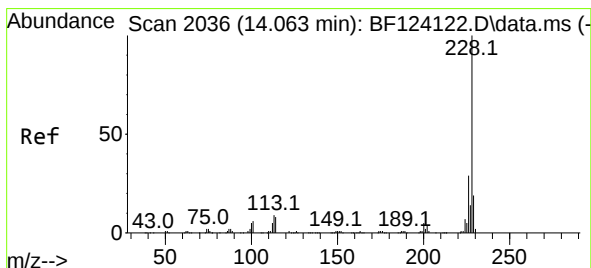
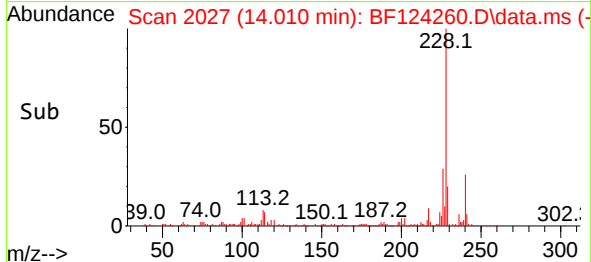
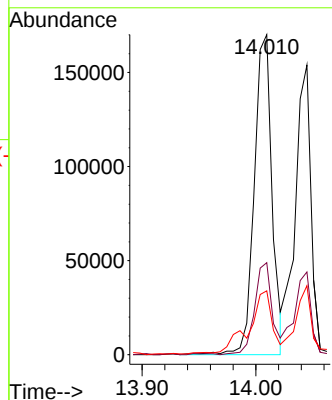
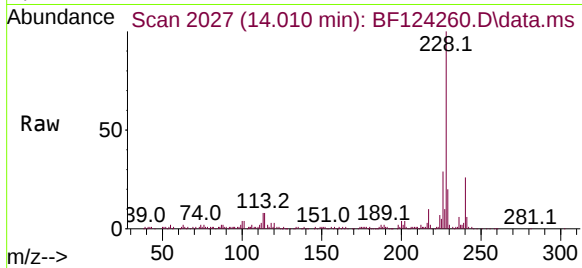




#81
Benzo(a)anthracene
Concen: 26.19 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

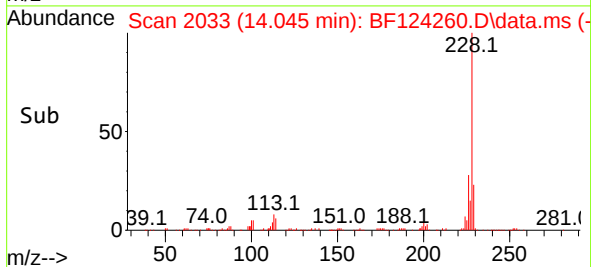
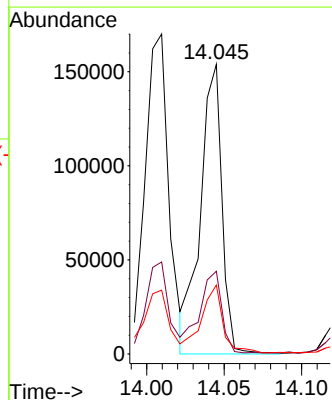
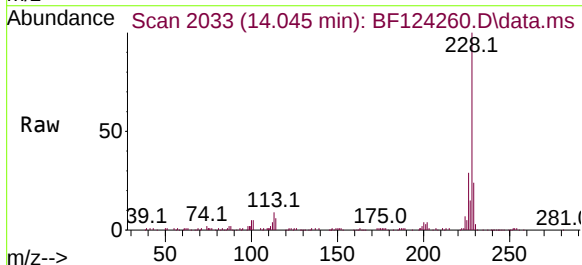
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL

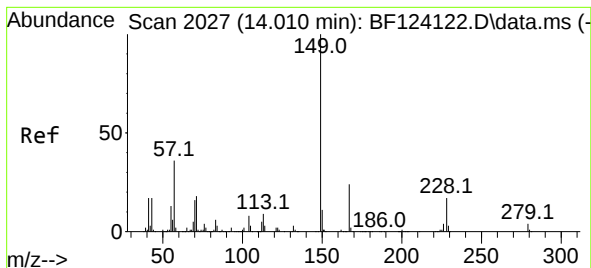
Tgt Ion:228 Resp: 185201
Ion Ratio Lower Upper
228 100
226 28.8 22.4 33.6
229 20.0 16.0 24.0



#83
Chrysene
Concen: 21.94 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Tgt Ion:228 Resp: 149698
Ion Ratio Lower Upper
228 100
226 28.6 24.3 36.5
229 23.8 16.2 24.2

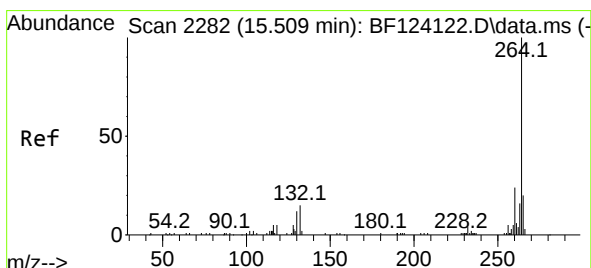
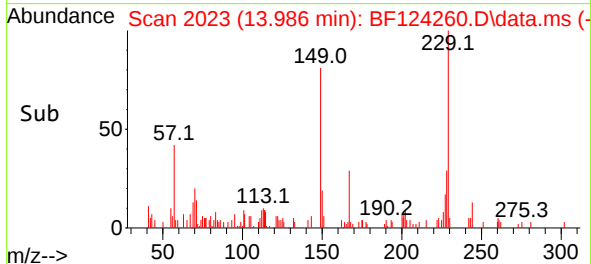
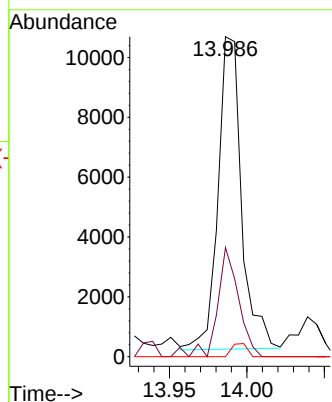
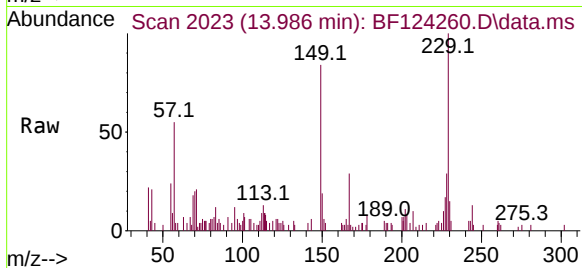




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.45 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

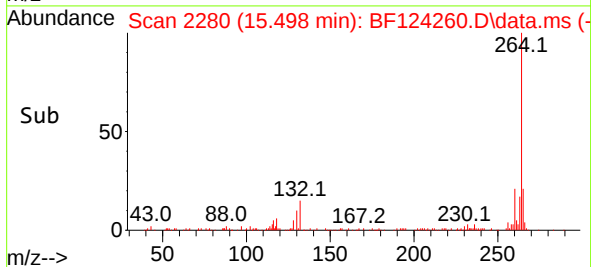
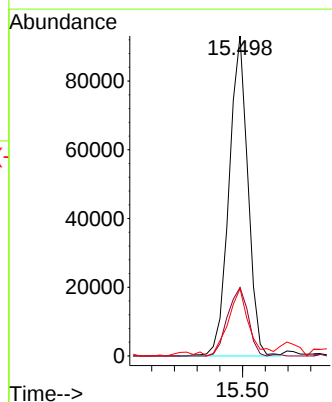
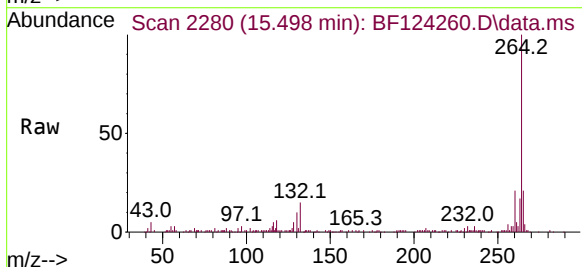
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL

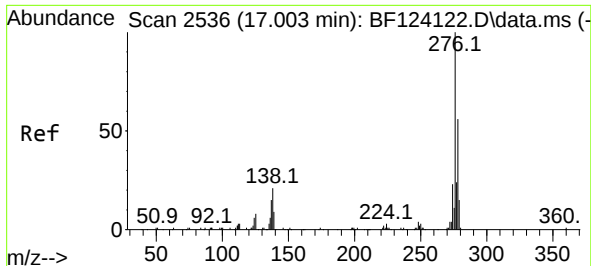
Tgt Ion:149 Resp: 11035
Ion Ratio Lower Upper
149 100
167 34.1 21.8 32.6#
279 0.0 3.3 4.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Tgt Ion:264 Resp: 106923
Ion Ratio Lower Upper
264 100
260 21.4 18.7 28.1
265 21.0 17.8 26.8

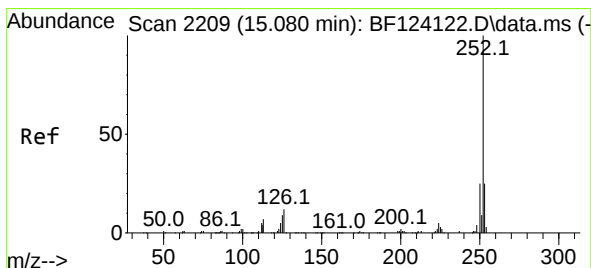
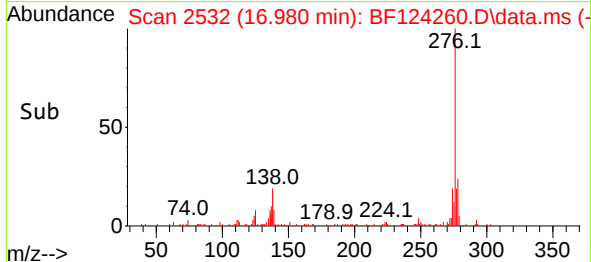
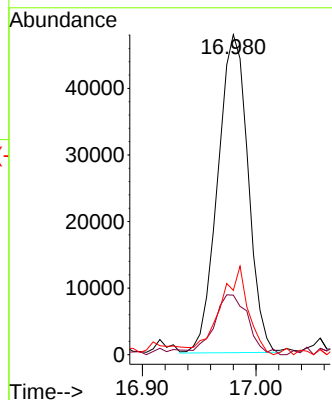
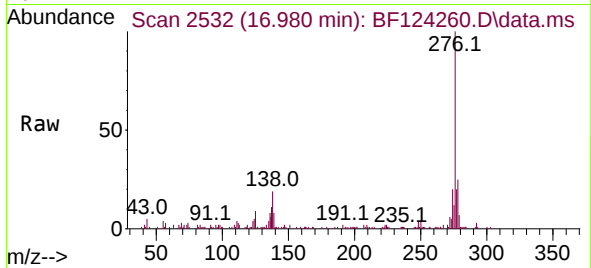




#87
Indeno(1,2,3-cd)pyrene
Concen: 13.39 ng
RT: 16.980 min Scan# 2532
Delta R.T. 0.000 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

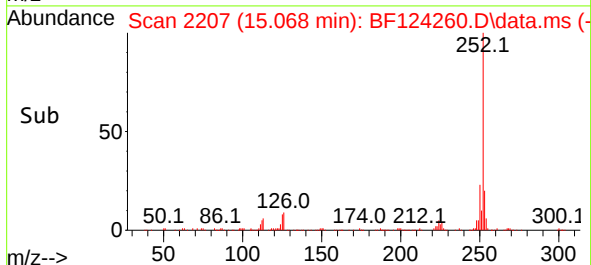
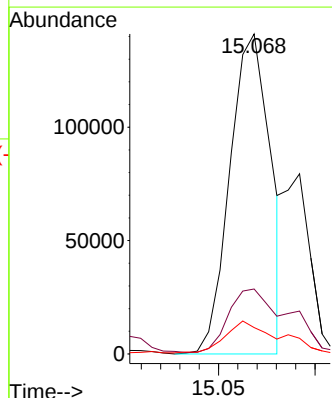
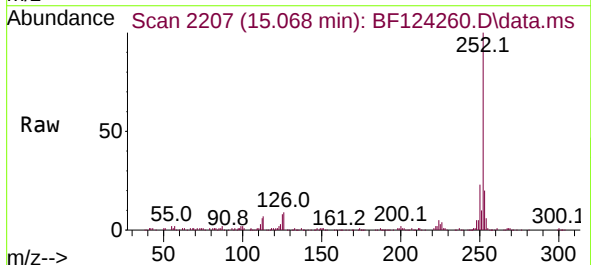
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL

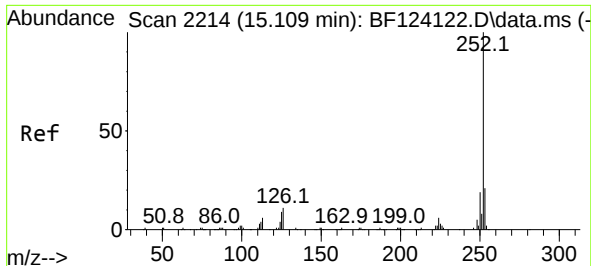
Tgt Ion:276 Resp: 88553
Ion Ratio Lower Upper
276 100
138 21.2 16.2 24.2
277 25.9 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 24.87 ng m
RT: 15.068 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Tgt Ion:252 Resp: 206546
Ion Ratio Lower Upper
252 100
253 20.3 18.1 27.1
125 8.2 6.2 9.4

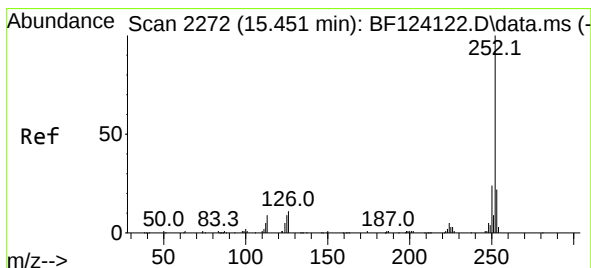
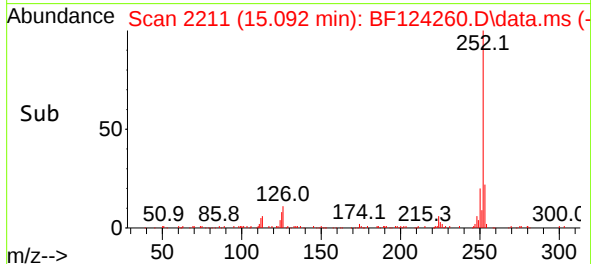
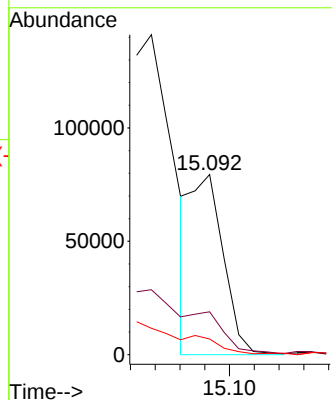
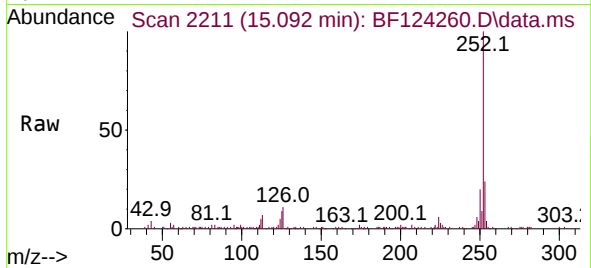




#89
Benzo(k)fluoranthene
Concen: 9.22 ng m
RT: 15.092 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

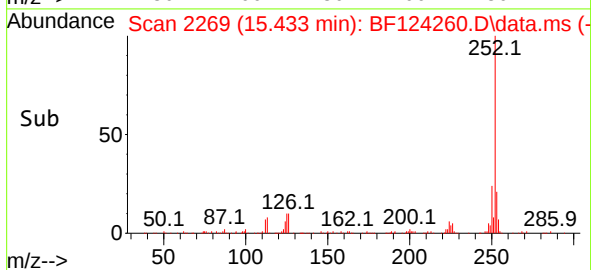
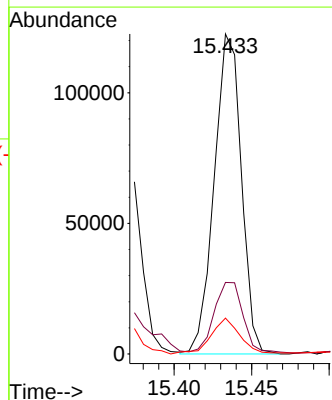
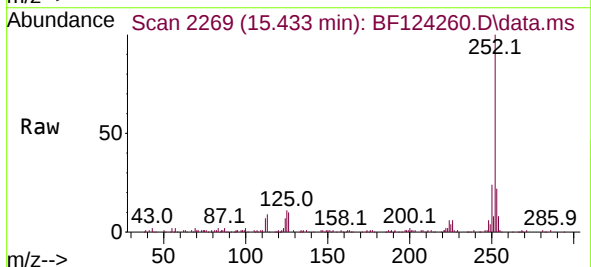
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL

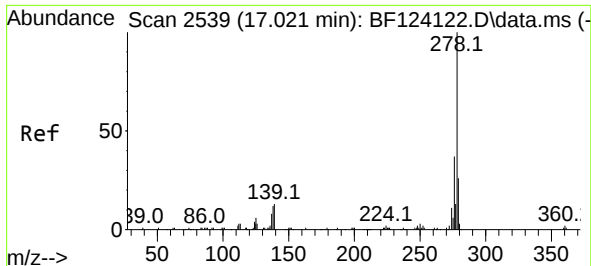
Tgt Ion:252 Resp: 72474
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 8.7 7.0 10.6



#90
Benzo(a)pyrene
Concen: 20.68 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Tgt Ion:252 Resp: 149223
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 11.2 8.0 12.0

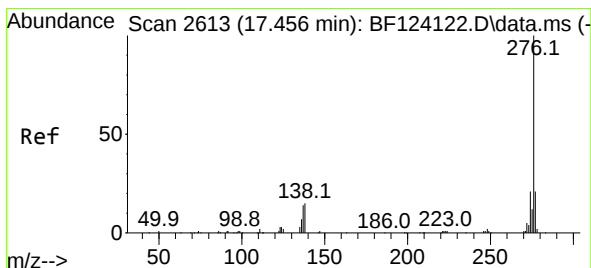
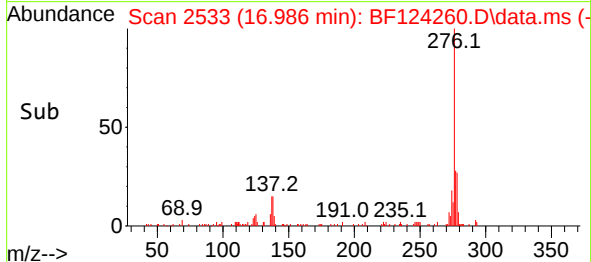
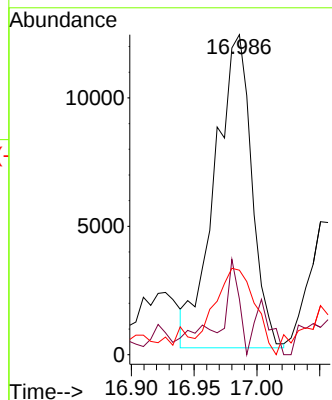
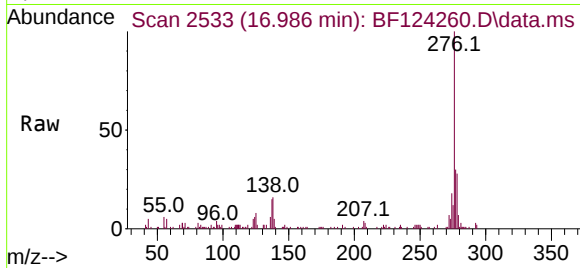




#91
Dibenzo(a,h)anthracene
Concen: 7.18 ng m
RT: 16.986 min Scan# 2533
Delta R.T. -0.006 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL

Tgt Ion:278 Resp: 24962
Ion Ratio Lower Upper
278 100
139 17.4 10.2 15.2#
279 26.4 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 12.56 ng
RT: 17.427 min Scan# 2608
Delta R.T. -0.006 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Tgt Ion:276 Resp: 71217
Ion Ratio Lower Upper
276 100
277 21.2 18.2 27.2
138 18.3 13.8 20.6

