

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)

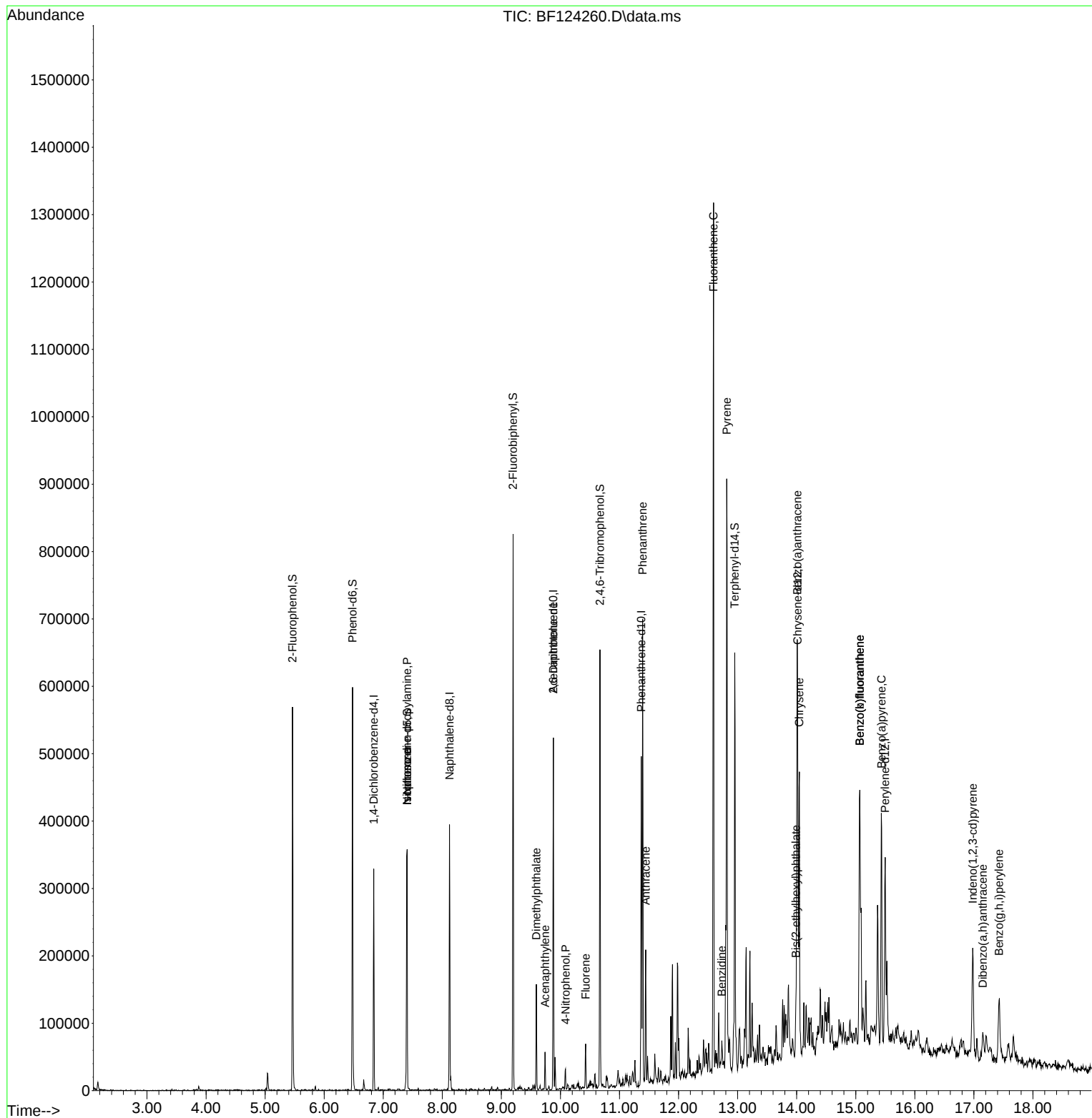
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	40062	20.000	ng	-0.01
21) Naphthalene-d8	8.122	136	142926	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	87221	20.000	ng	-0.01
64) Phenanthrene-d10	11.369	188	157178	20.000	ng	0.00
76) Chrysene-d12	14.016	240	97056	20.000	ng	0.00
86) Perylene-d12	15.498	264	106923	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	117391	44.110	ng	-0.02
7) Phenol-d6	6.481	99	144500	40.394	ng	-0.02
23) Nitrobenzene-d5	7.404	82	111784	31.020	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	55135	44.618	ng	-0.01
45) 2-Fluorobiphenyl	9.198	172	195003	28.134	ng	-0.01
79) Terphenyl-d14	12.951	244	176969	25.034	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	16502	6.535	ng	# 65
25) Isophorone	7.404	82	111782	17.214	ng	# 69
49) Acenaphthylene	9.739	152	18076	2.075	ng	# 94
50) Dimethylphthalate	9.592	163	44309	6.140	ng	# 95
51) 2,6-Dinitrotoluene	9.881	165	11332	6.849	ng	# 12
56) 4-Nitrophenol	10.086	139	3588	3.242	ng	# 1
58) Fluorene	10.428	166	14842	2.171	ng	# 74
71) Phenanthrene	11.392	178	214351	21.831	ng	98
72) Anthracene	11.445	178	63199	6.391	ng	99
75) Fluoranthene	12.592	202	469809	45.584	ng	98
77) Benzidine	12.733	184	136	4.116	ng	# 68
78) Pyrene	12.816	202	365976	39.268	ng	96
81) Benzo(a)anthracene	14.010	228	185201	26.194	ng	99
83) Chrysene	14.045	228	149698	21.945	ng	95
84) Bis(2-ethylhexyl)phtha...	13.986	149	11035	2.454	ng	# 87
87) Indeno(1,2,3-cd)pyrene	16.980	276	88553	13.387	ng	98
88) Benzo(b)fluoranthene	15.068	252	279015	33.592	ng	96
89) Benzo(k)fluoranthene	15.068	252	279015	35.485	ng	96
90) Benzo(a)pyrene	15.433	252	149223	20.684	ng	98
91) Dibenzo(a,h)anthracene	17.151	278	18541	6.404	ng	95
92) Benzo(g,h,i)perylene	17.427	276	71217	12.555	ng	97

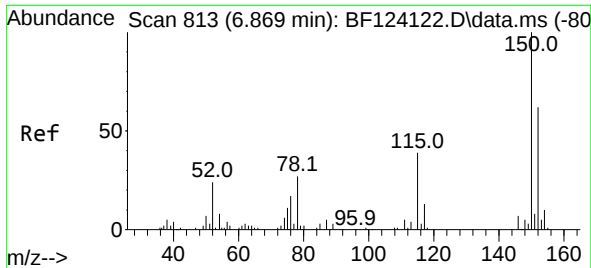
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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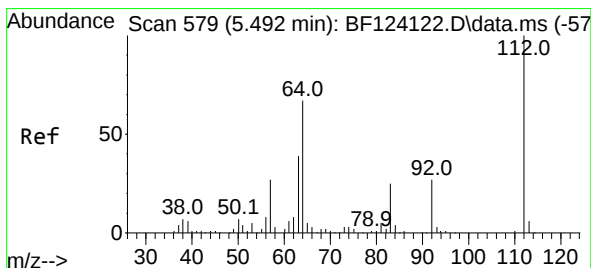
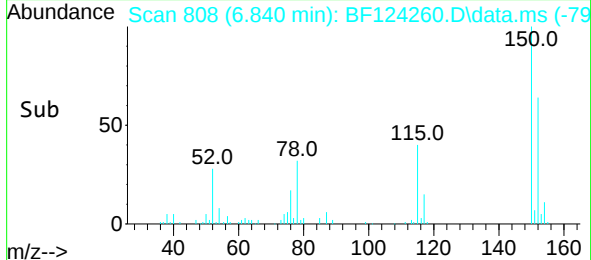
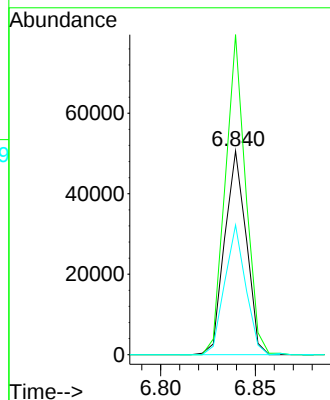
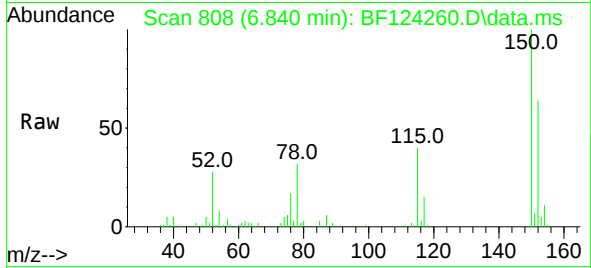




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

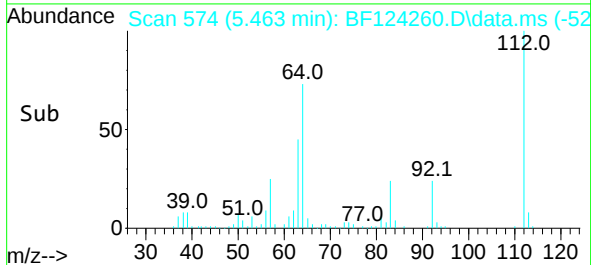
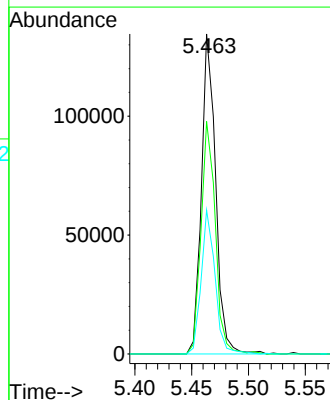
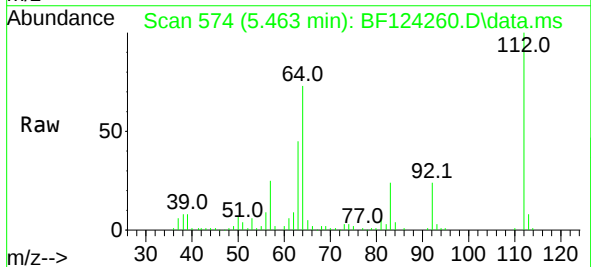
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL

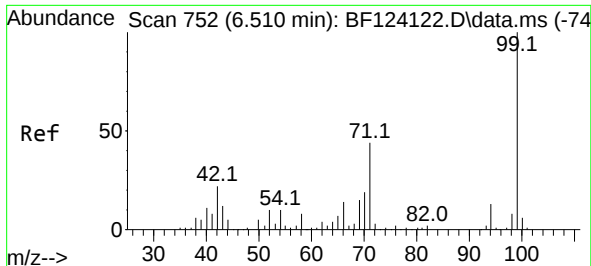
Tgt Ion:152 Resp: 40062
Ion Ratio Lower Upper
152 100
150 157.1 127.0 190.6
115 63.6 54.3 81.5



#5
2-Fluorophenol
Concen: 44.110 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

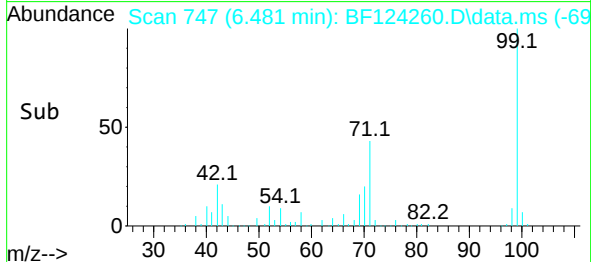
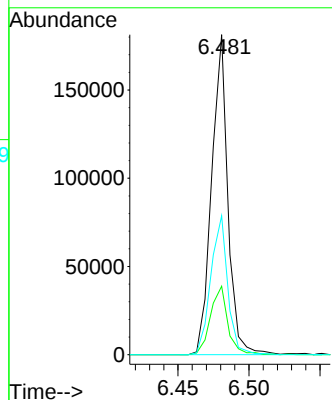
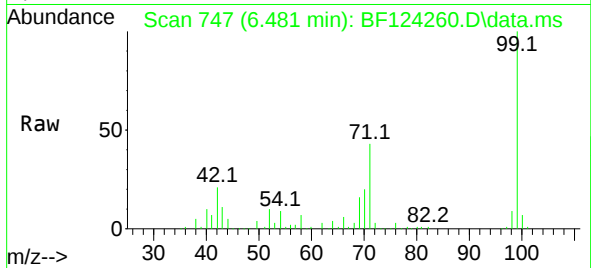




#7
Phenol-d6
Concen: 40.394 ng
RT: 6.481 min Scan# 747
Delta R.T. -0.017 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

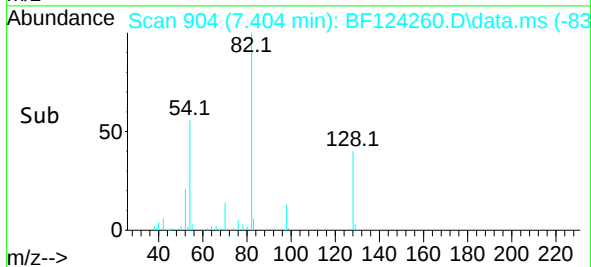
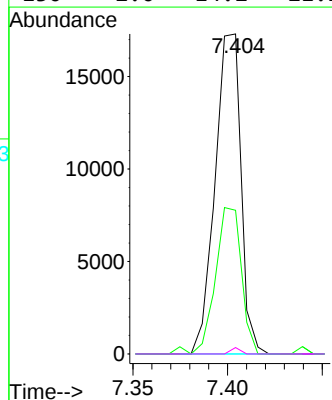
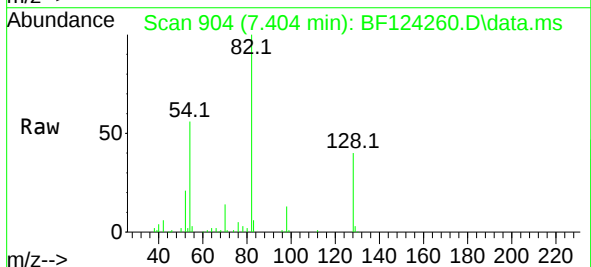
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL

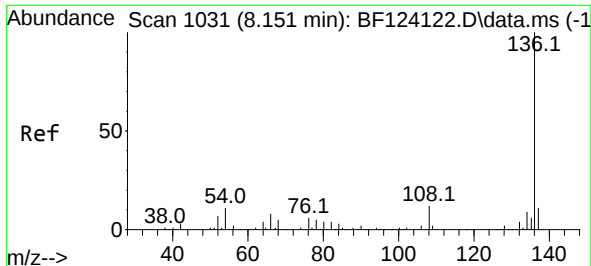
Tgt Ion: 99 Resp: 144500
Ion Ratio Lower Upper
99 100
42 21.4 19.8 29.8
71 43.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.535 ng
RT: 7.404 min Scan# 904
Delta R.T. 0.136 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

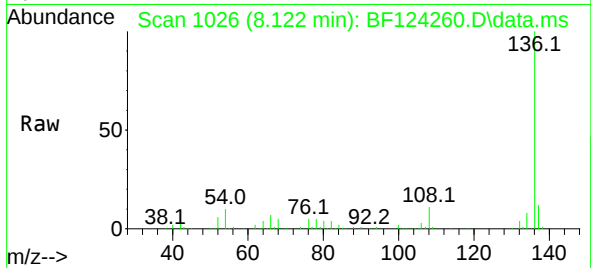
Tgt Ion: 70 Resp: 16502
Ion Ratio Lower Upper
70 100
42 44.9 60.1 90.1#
101 0.0 7.4 11.2#
130 2.0 14.2 21.2#



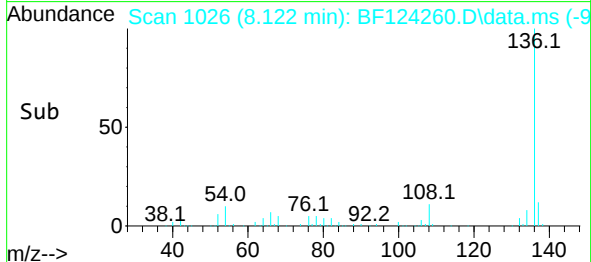
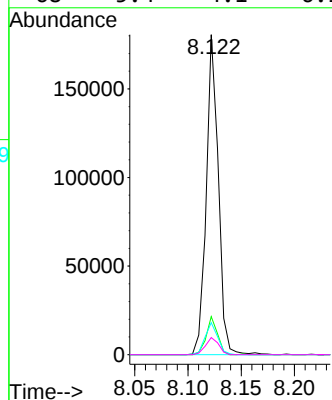


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

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

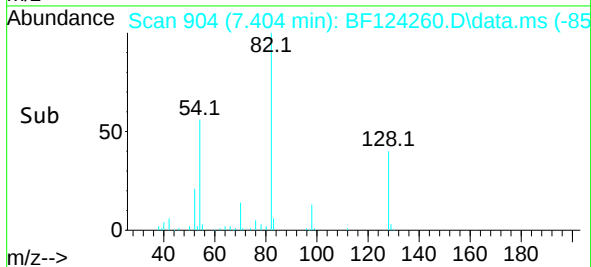
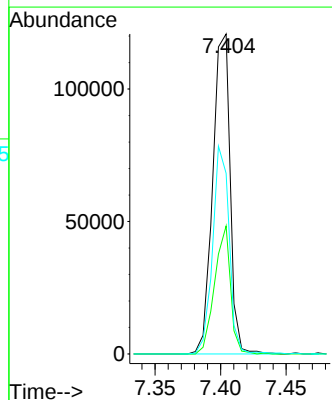
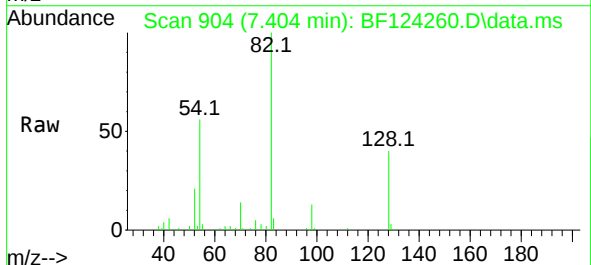


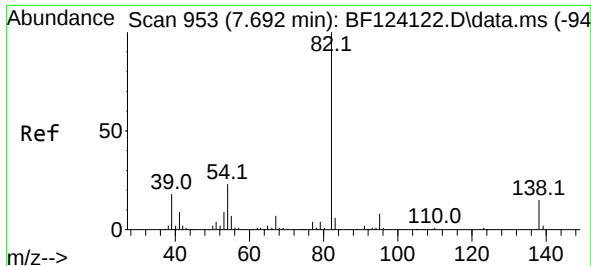
Tgt Ion:136 Resp: 142926
Ion Ratio Lower Upper
136 100
137 11.9 8.7 13.1
54 10.0 9.8 14.6
68 5.4 4.1 6.1



#23
Nitrobenzene-d5
Concen: 31.020 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

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

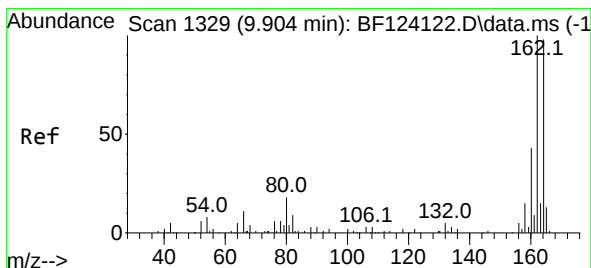
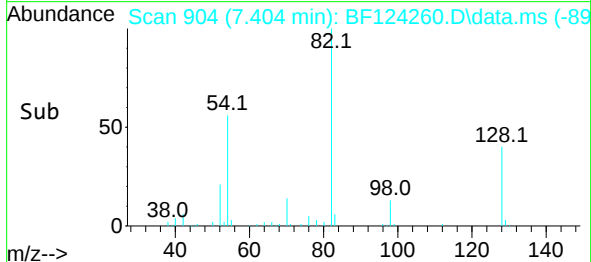
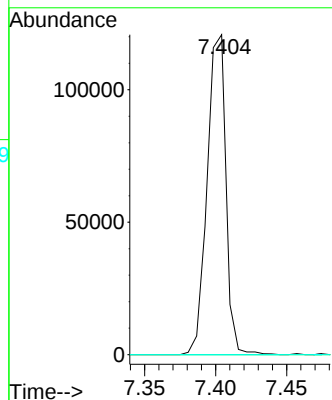
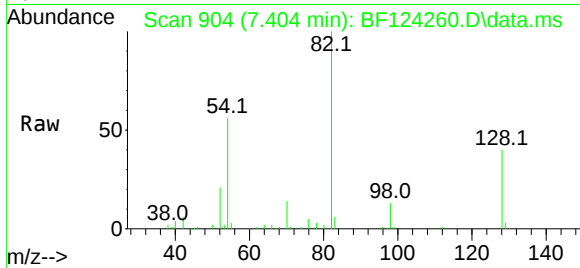




#25
Isophorone
Concen: 17.214 ng
RT: 7.404 min Scan# 904
Delta R.T. -0.270 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

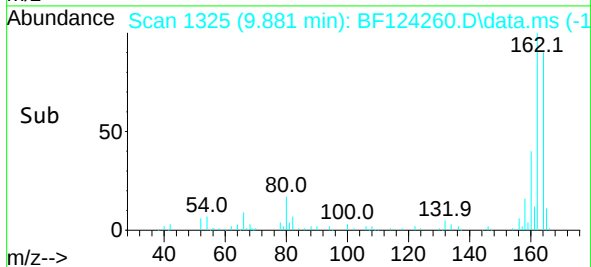
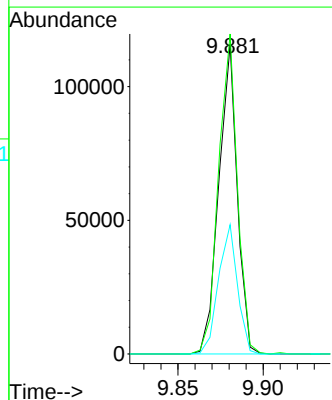
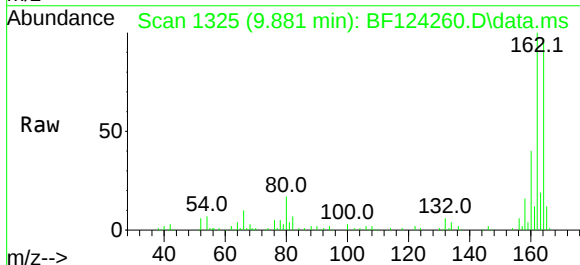
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL

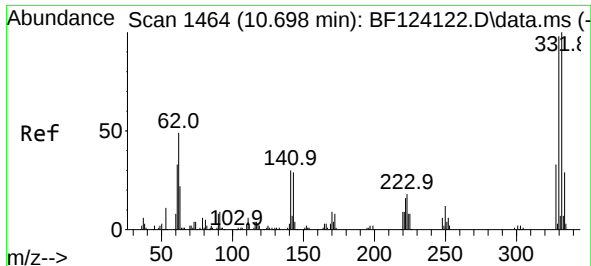
Tgt Ion: 82 Resp: 111782
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

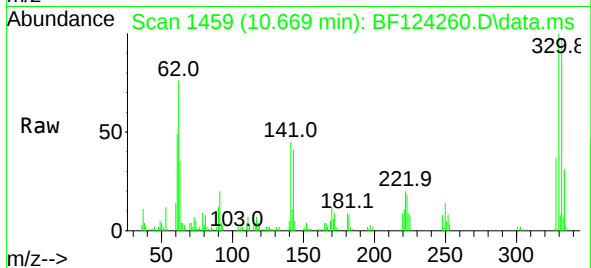
Tgt Ion:164 Resp: 87221
Ion Ratio Lower Upper
164 100
162 103.4 80.7 121.1
160 41.8 37.3 55.9



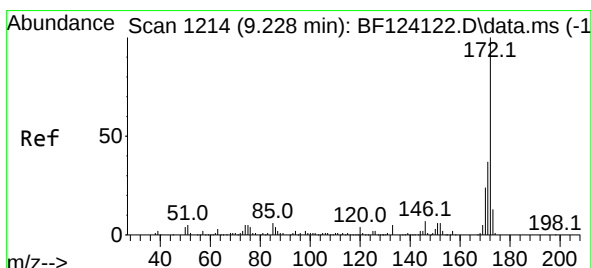
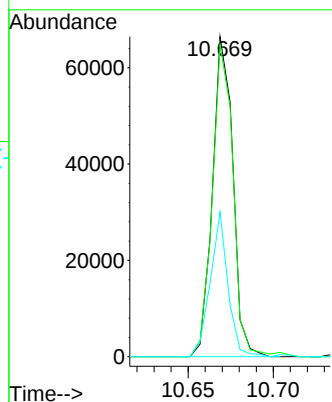
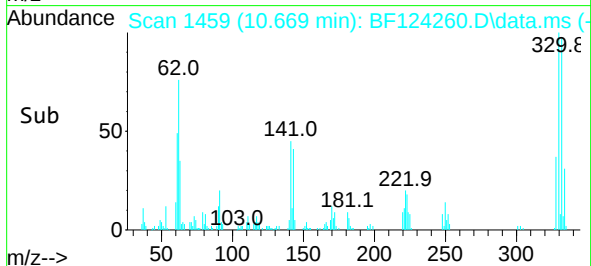


#42
2,4,6-Tribromophenol
Concen: 44.618 ng
RT: 10.669 min Scan# 1459
Delta R.T. -0.012 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

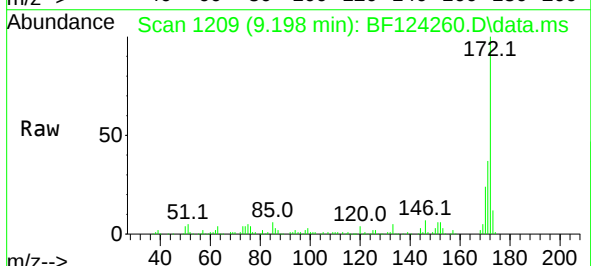
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL



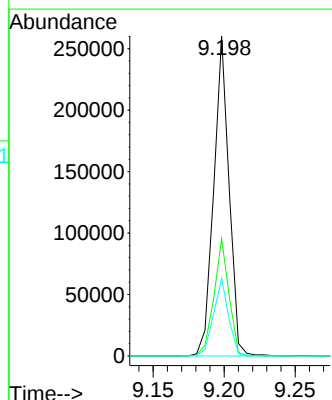
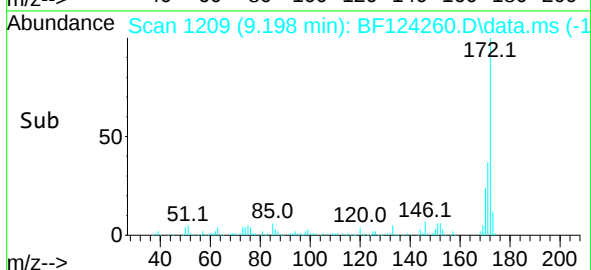
Tgt Ion: 330 Resp: 55135
Ion Ratio Lower Upper
330 100
332 99.7 77.1 115.7
141 39.5 27.9 41.9

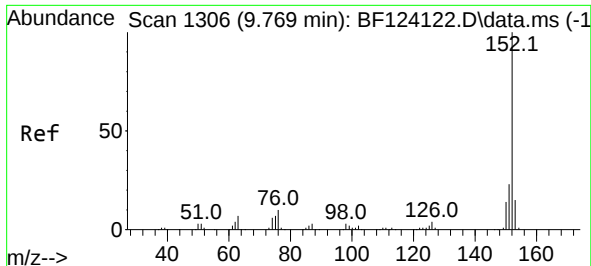


#45
2-Fluorobiphenyl
Concen: 28.134 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.012 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45



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: 2.075 ng

RT: 9.739 min Scan# 1301

Delta R.T. -0.012 min

Lab File: BF124260.D

Acq: 11 Jun 2021 14:45

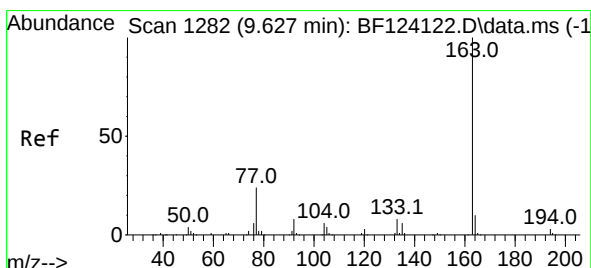
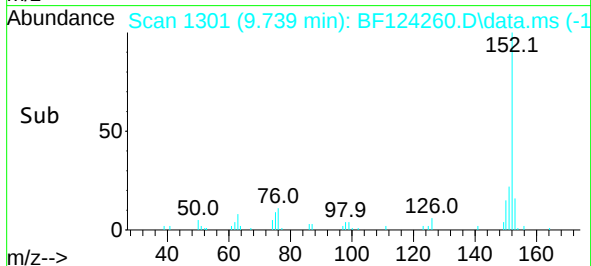
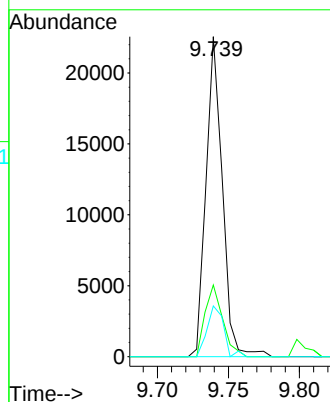
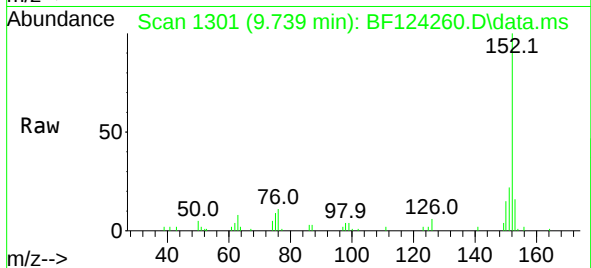
Tgt Ion:	152	Resp:	18076
Ion Ratio	Lower	Upper	
152	100		
151	22.4	16.0	24.0
153	15.8	10.4	15.6#

Instrument :

BNA_F

ClientSampleId :

18-B12(10-14)DL



#50

Dimethylphthalate

Concen: 6.140 ng

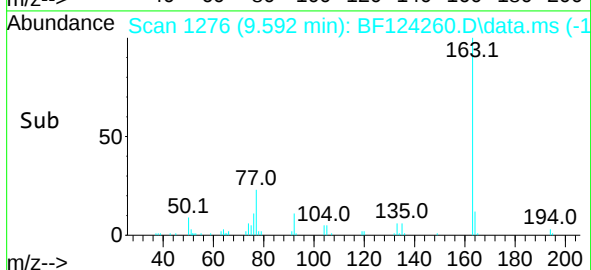
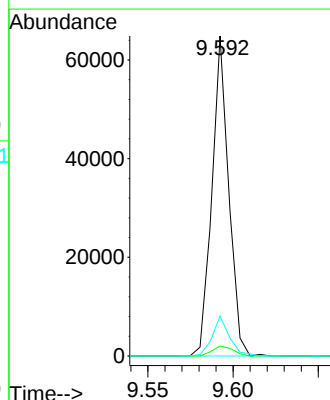
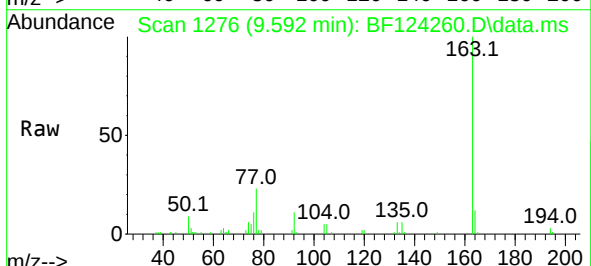
RT: 9.592 min Scan# 1276

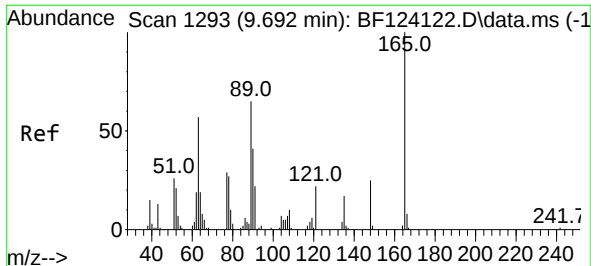
Delta R.T. -0.023 min

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#

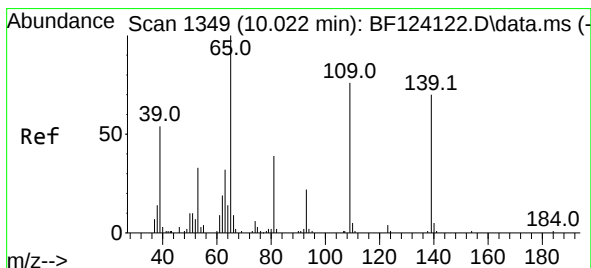
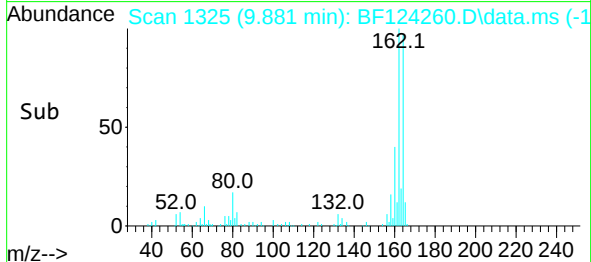
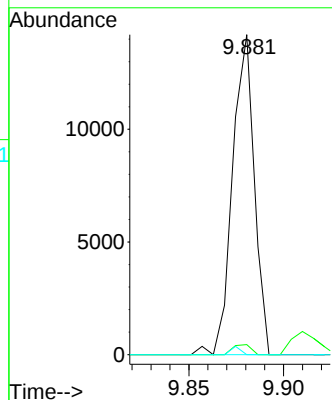
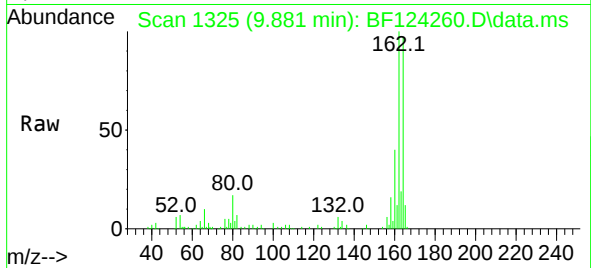




#51
2,6-Dinitrotoluene
Concen: 6.849 ng
RT: 9.881 min Scan# 1325
Delta R.T. 0.200 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

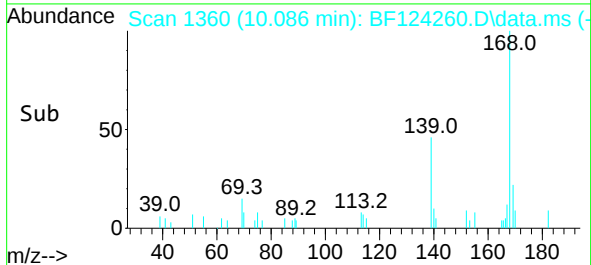
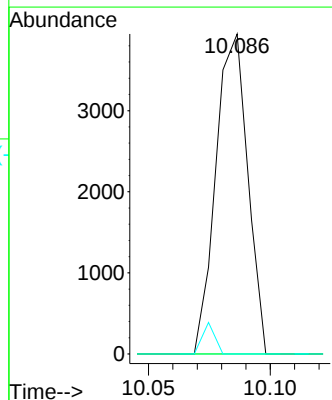
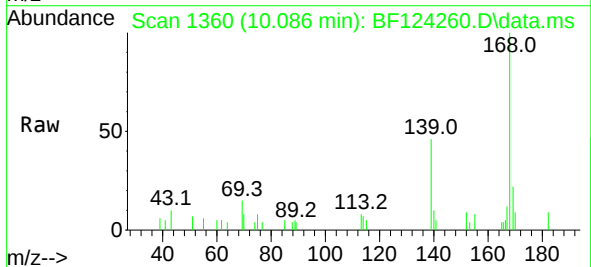
Instrument :
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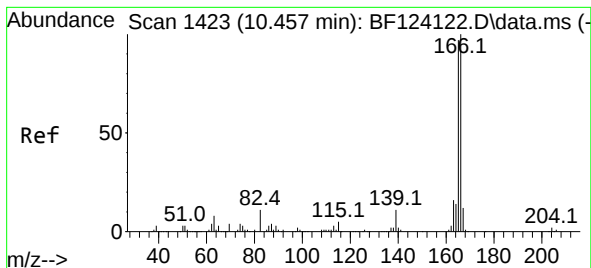
Tgt Ion:165 Resp: 11332
Ion Ratio Lower Upper
165 100
63 3.1 67.7 101.5#
89 0.0 58.8 88.2#



#56
4-Nitrophenol
Concen: 3.242 ng
RT: 10.086 min Scan# 1360
Delta R.T. 0.065 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Tgt Ion:139 Resp: 3588
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#





#58

Fluorene

Concen: 2.171 ng

RT: 10.428 min Scan# 1418

Delta R.T. -0.012 min

Lab File: BF124260.D

Acq: 11 Jun 2021 14:45

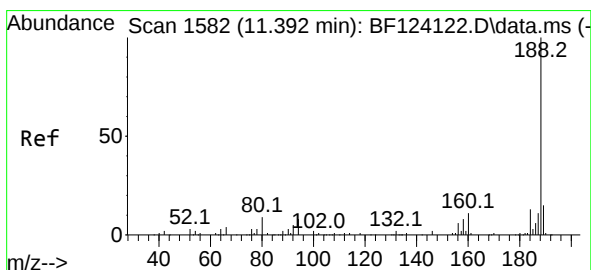
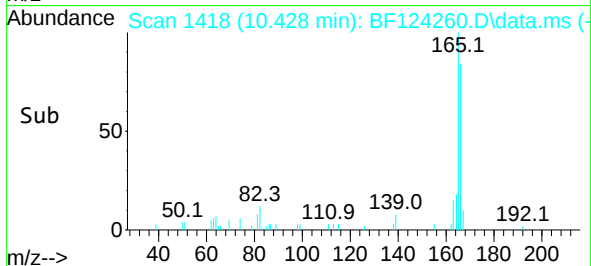
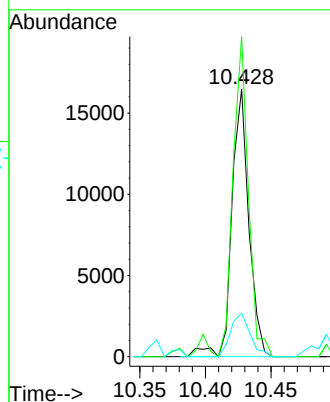
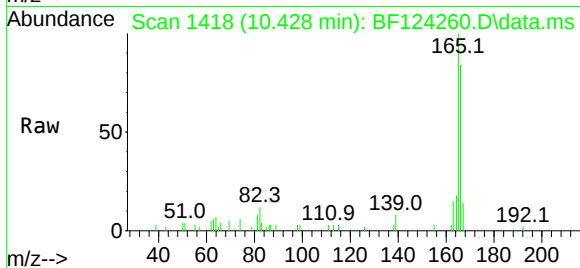
Instrument :

BNA_F

ClientSampleId :

18-B12(10-14)DL

Tgt Ion: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: 20.000 ng

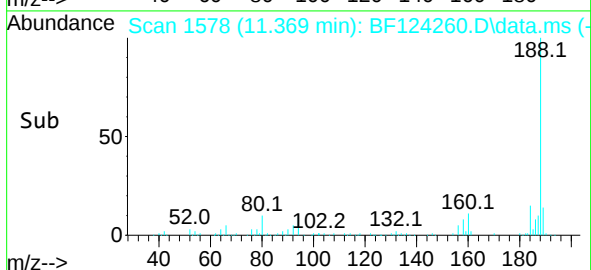
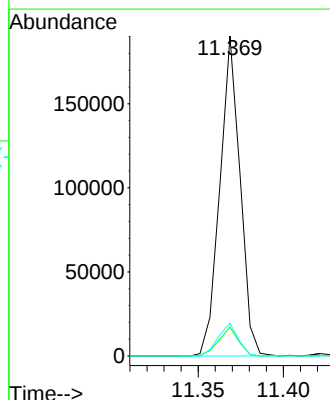
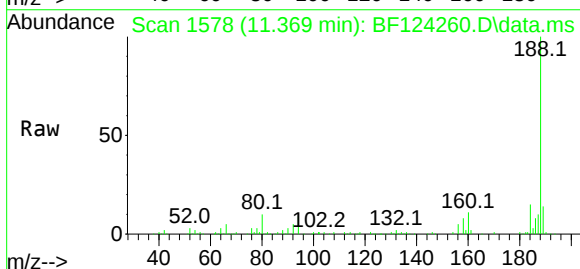
RT: 11.369 min Scan# 1578

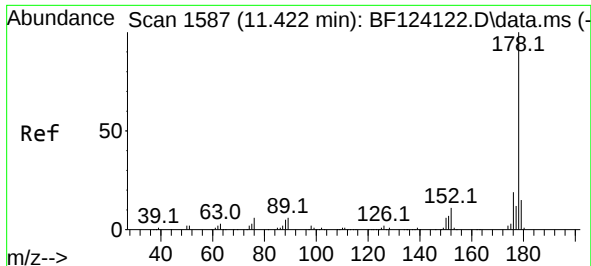
Delta R.T. -0.006 min

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

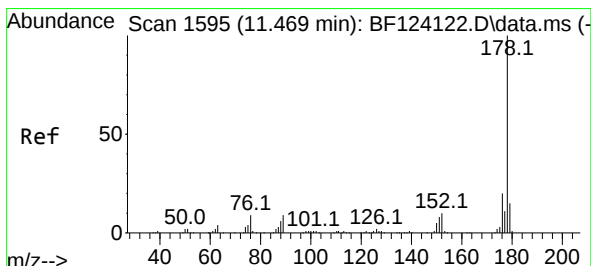
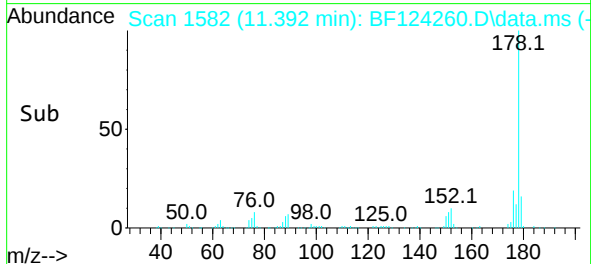
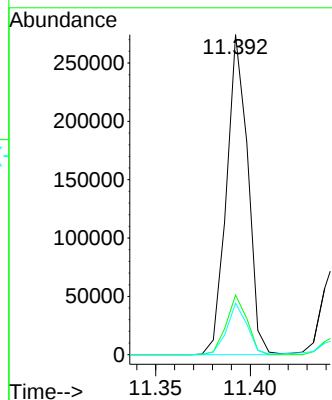
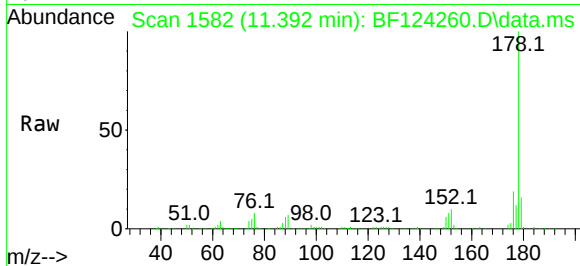




#71
Phenanthrene
Concen: 21.831 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

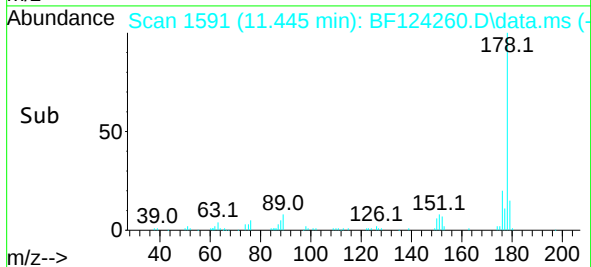
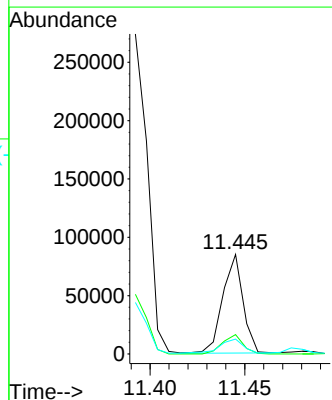
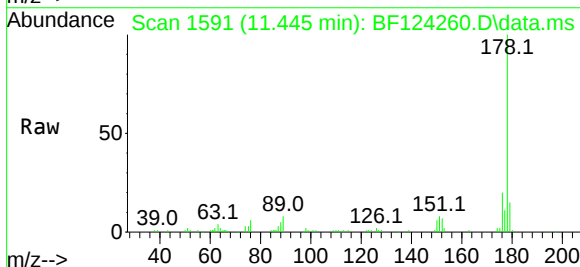
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL

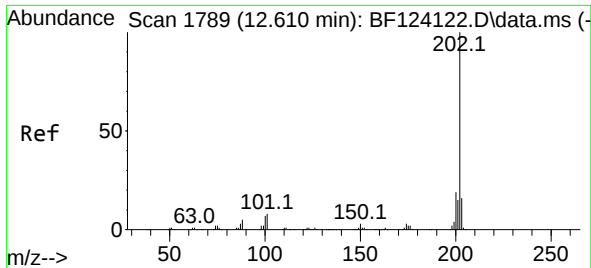
Tgt Ion:178 Resp: 214351
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 16.1 12.5 18.7



#72
Anthracene
Concen: 6.391 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

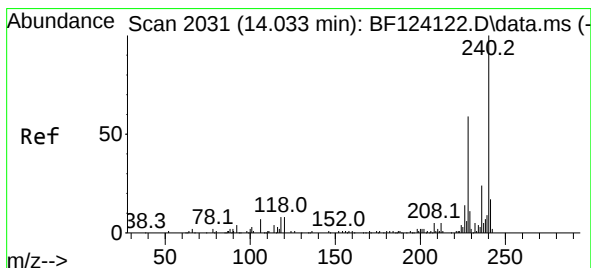
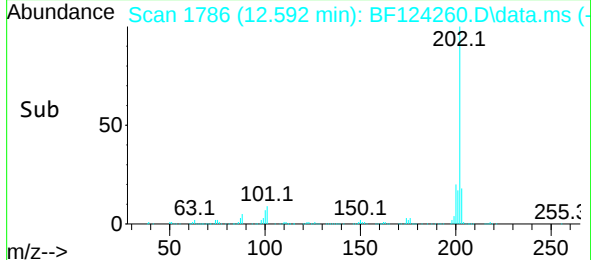
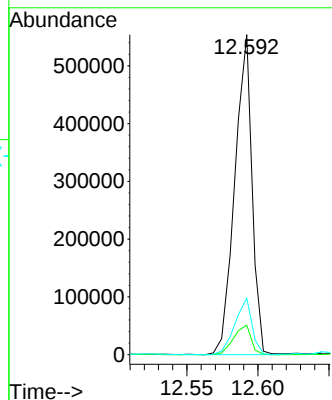
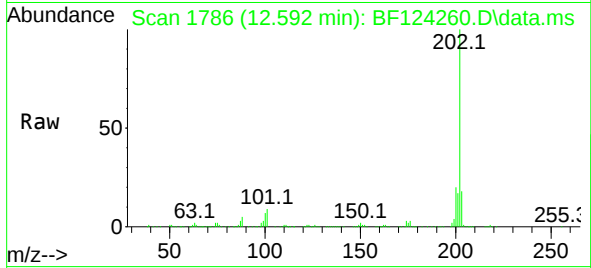




#75
Fluoranthene
Concen: 45.584 ng
RT: 12.592 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

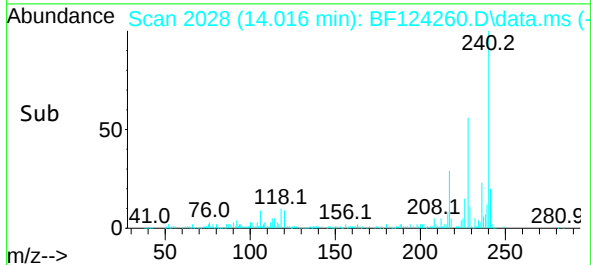
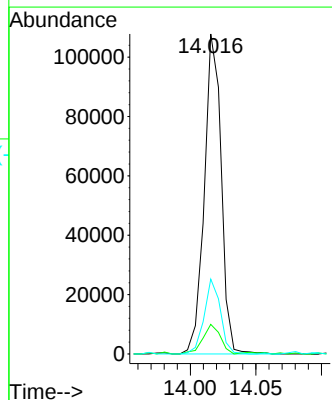
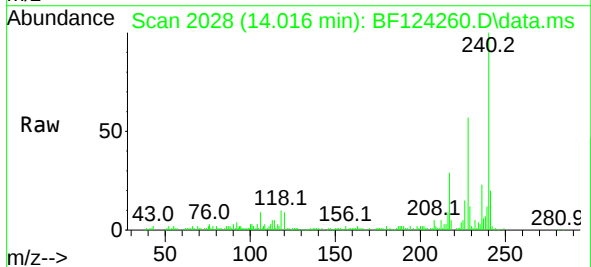
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL

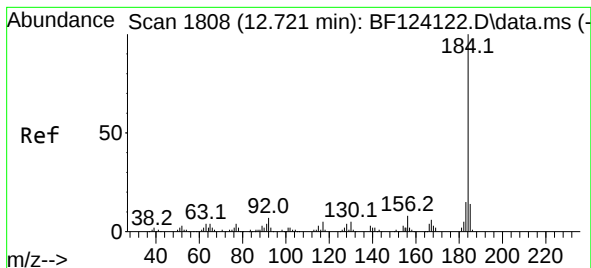
Tgt Ion:202 Resp: 469809
Ion Ratio Lower Upper
202 100
101 9.2 0.0 30.9
203 17.7 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 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





#77

Benzidine

Concen: 4.116 ng

RT: 12.733 min Scan# 1810

Delta R.T. 0.024 min

Lab File: BF124260.D

Acq: 11 Jun 2021 14:45

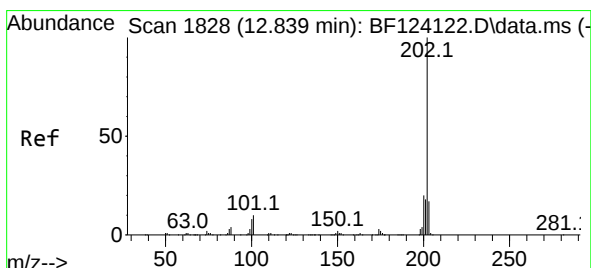
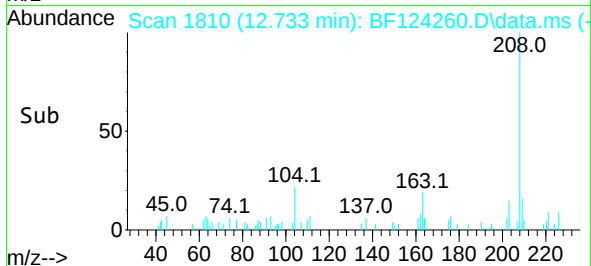
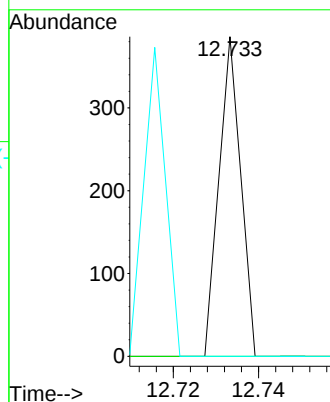
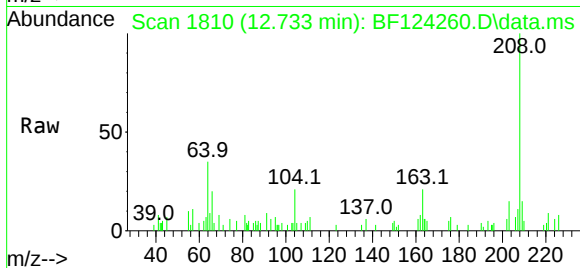
Instrument :

BNA_F

ClientSampleId :

18-B12(10-14)DL

Tgt Ion:184	Resp:	136
Ion Ratio	Lower	Upper
184	100	
185	0.0	12.1 18.1#
183	0.0	7.8 11.8#



#78

Pyrene

Concen: 39.268 ng

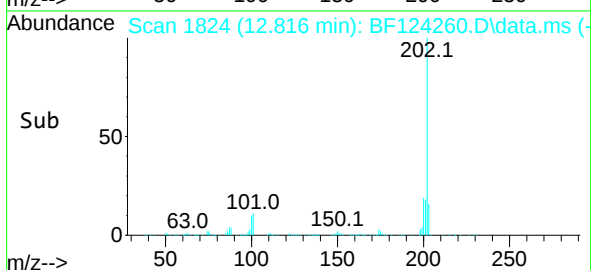
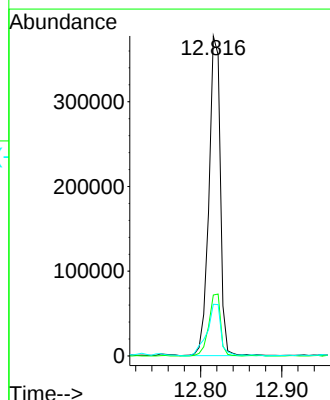
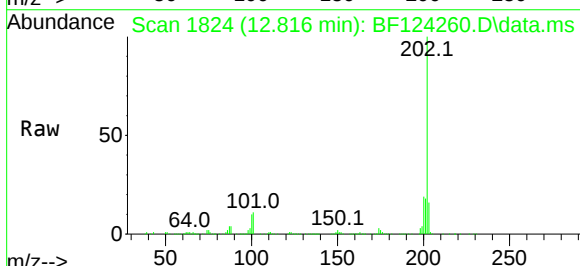
RT: 12.816 min Scan# 1824

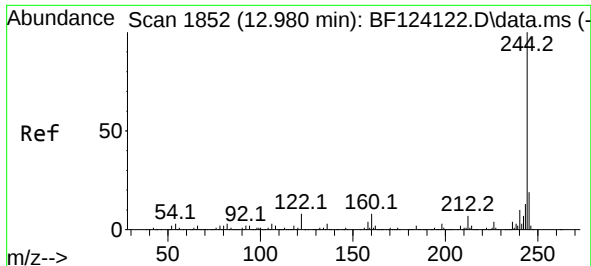
Delta R.T. -0.006 min

Lab File: BF124260.D

Acq: 11 Jun 2021 14:45

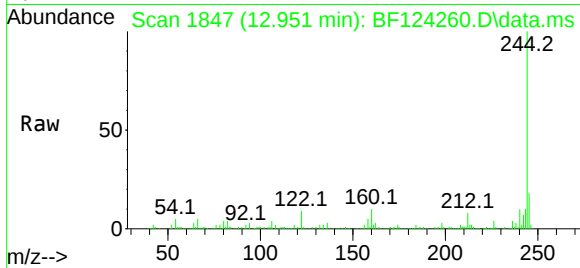
Tgt Ion:202	Resp:	365976
Ion Ratio	Lower	Upper
202	100	
200	19.0	16.1 24.1
203	16.1	14.8 22.2



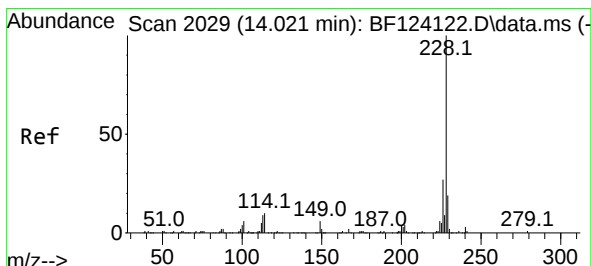
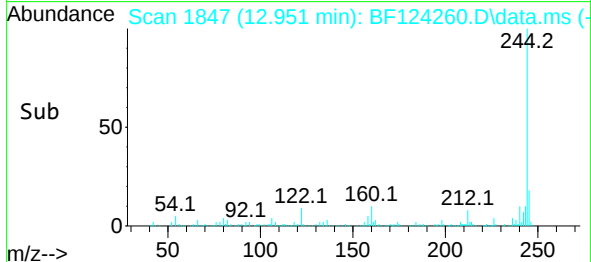
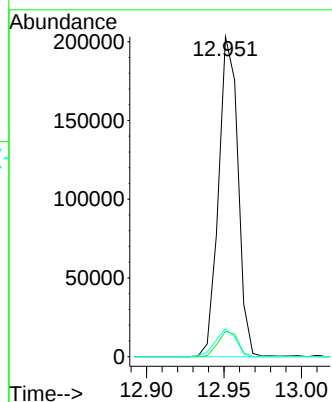


#79
 Terphenyl-d14
 Concen: 25.034 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.012 min
 Lab File: BF124260.D
 Acq: 11 Jun 2021 14:45

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

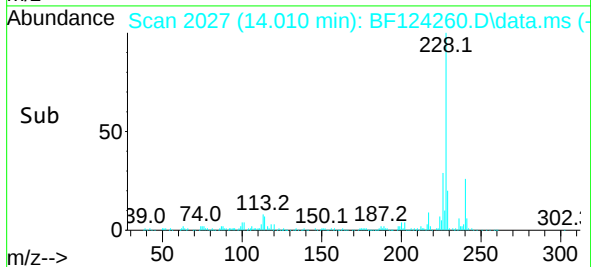
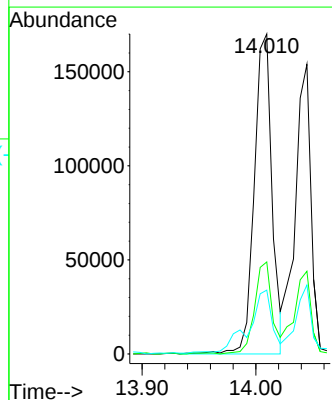
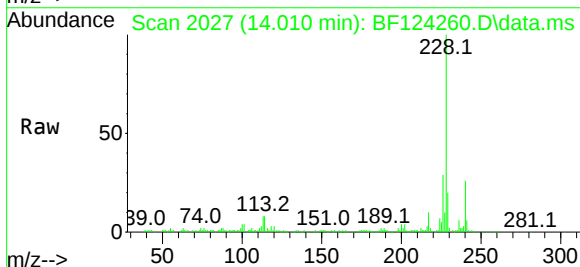


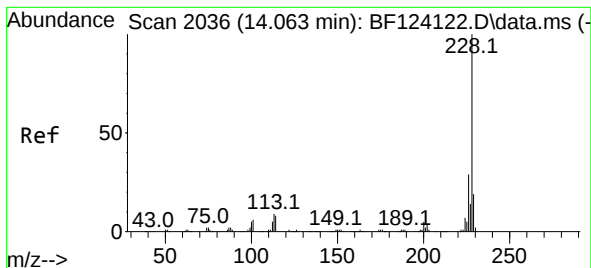
Tgt Ion:244 Resp: 176969
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.7 8.5
 122 8.8 9.7 14.5#



#81
 Benzo(a)anthracene
 Concen: 26.194 ng
 RT: 14.010 min Scan# 2027
 Delta R.T. 0.000 min
 Lab File: BF124260.D
 Acq: 11 Jun 2021 14:45

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: 21.945 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

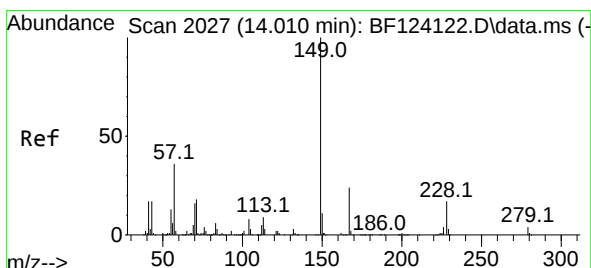
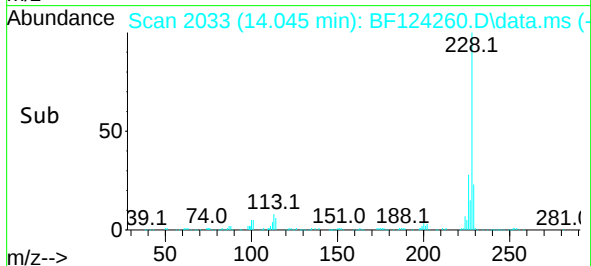
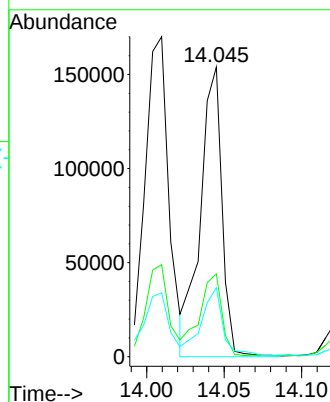
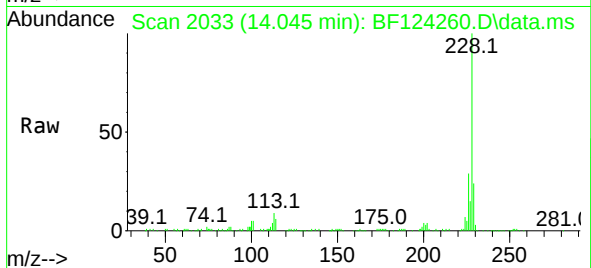
229 23.8 16.2 24.2

Instrument :

BNA_F

ClientSampleId :

18-B12(10-14)DL



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.454 ng

RT: 13.986 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF124260.D

Acq: 11 Jun 2021 14:45

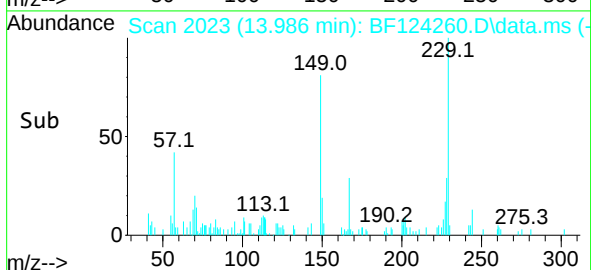
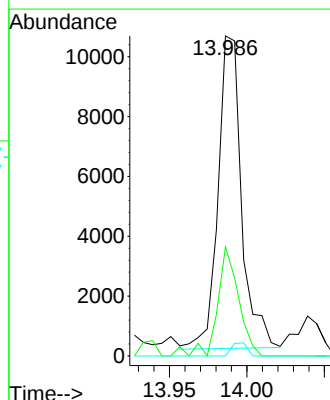
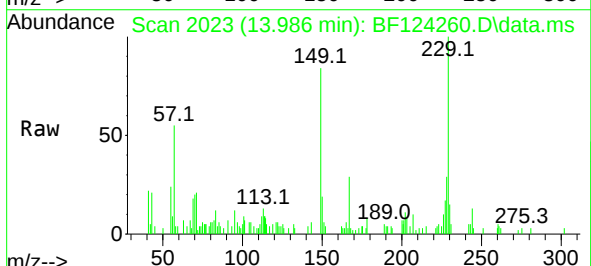
Tgt Ion:149 Resp: 11035

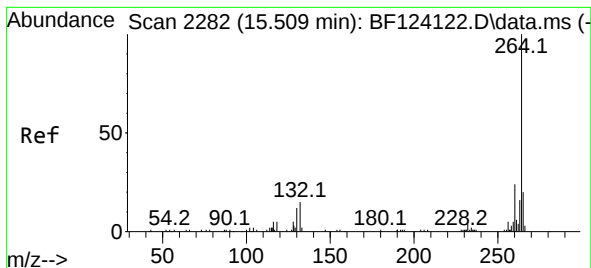
Ion Ratio Lower Upper

149 100

167 34.1 21.8 32.6#

279 0.0 3.3 4.9#



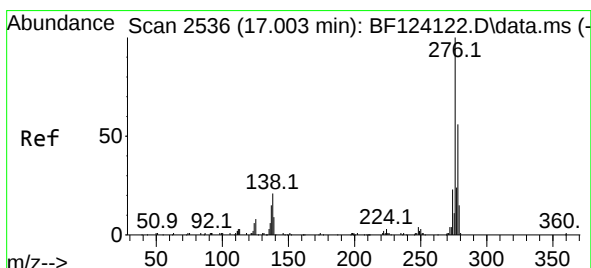
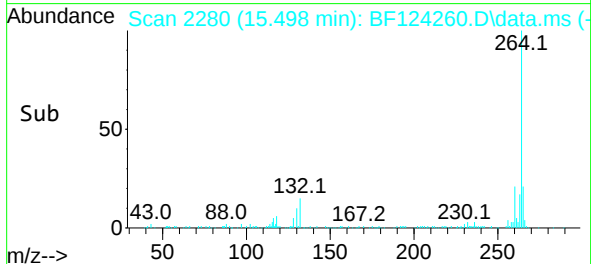
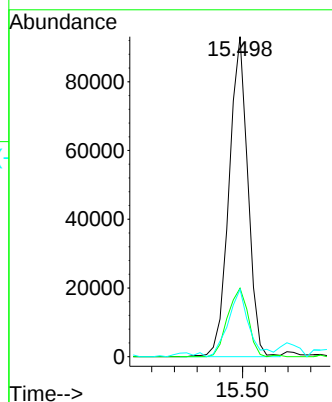
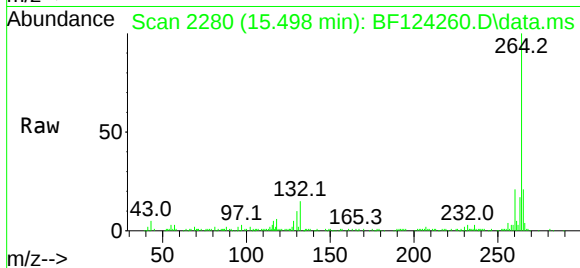


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.006 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

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

Tgt Ion:264 Resp: 106923

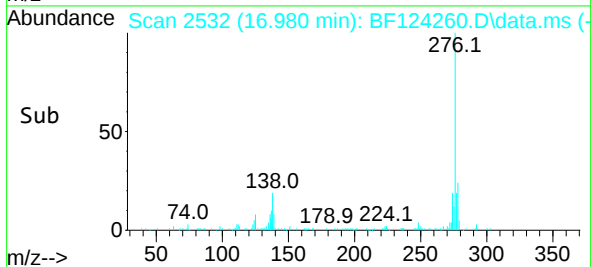
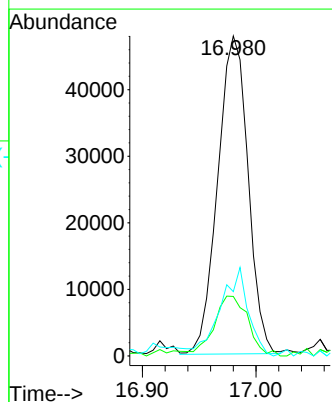
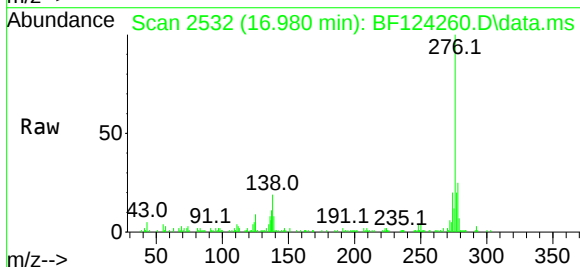
Ion	Ratio	Lower	Upper
264	100		
260	21.4	18.7	28.1
265	21.0	17.8	26.8

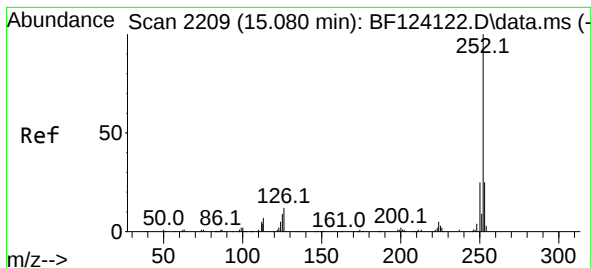


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.387 ng
RT: 16.980 min Scan# 2532
Delta R.T. 0.000 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

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: 33.592 ng

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: 279015

Ion Ratio Lower Upper

252 100

253 20.3 18.1 27.1

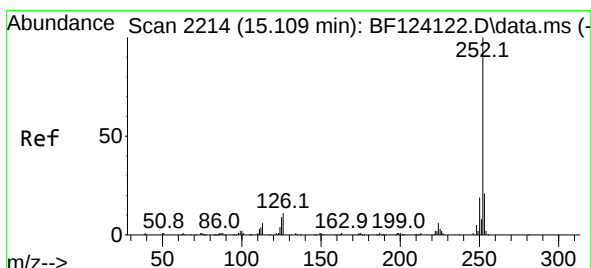
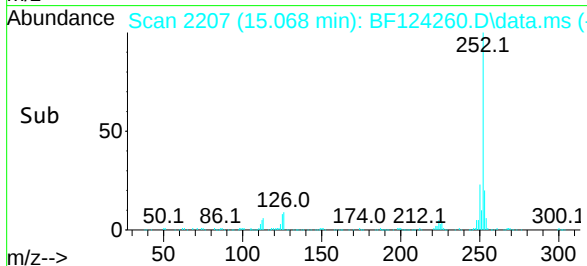
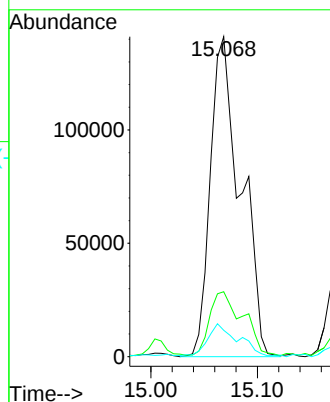
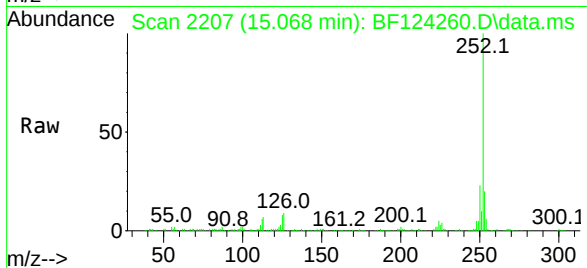
125 8.2 6.2 9.4

Instrument :

BNA_F

ClientSampleId :

18-B12(10-14)DL



#89

Benzo(k)fluoranthene

Concen: 35.485 ng

RT: 15.068 min Scan# 2207

Delta R.T. -0.023 min

Lab File: BF124260.D

Acq: 11 Jun 2021 14:45

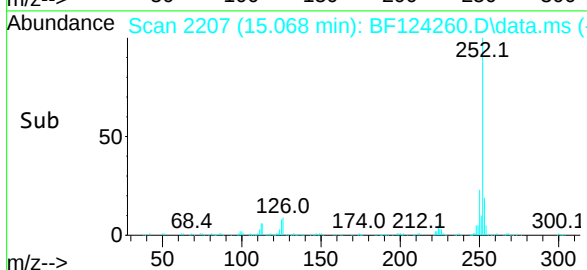
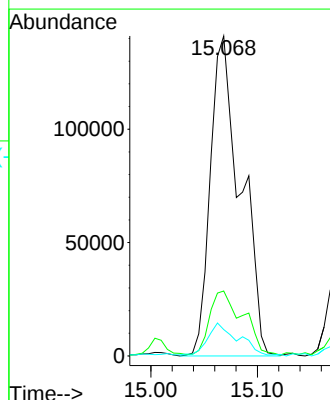
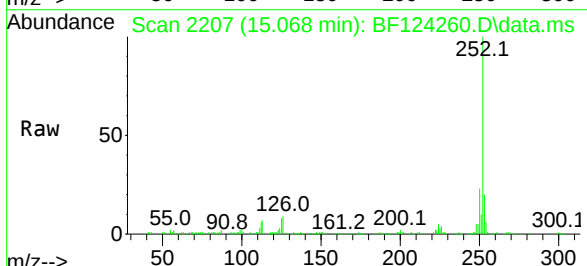
Tgt Ion:252 Resp: 279015

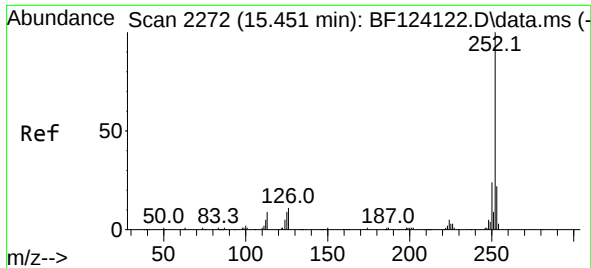
Ion Ratio Lower Upper

252 100

253 20.3 17.9 26.9

125 8.2 7.0 10.6

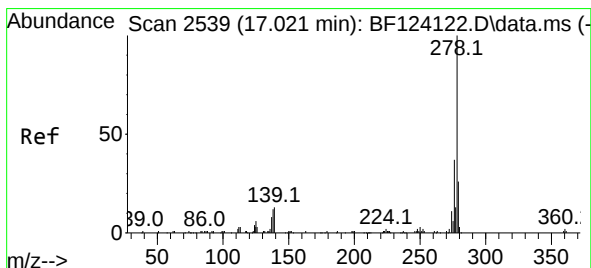
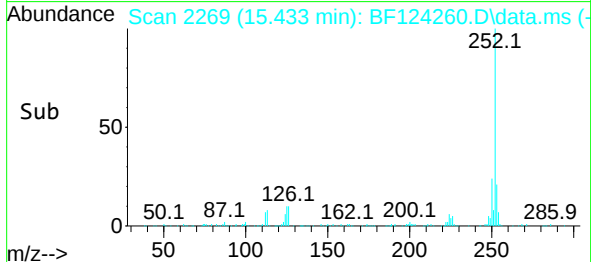
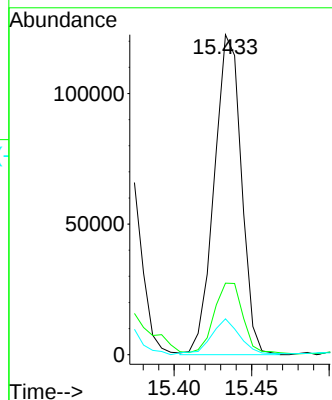
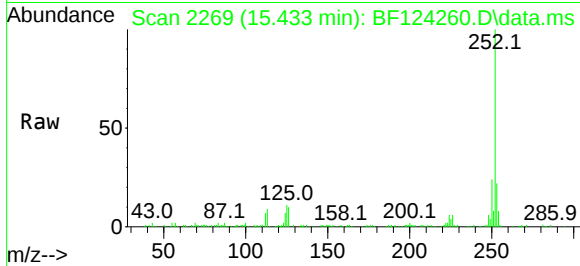




#90
Benzo(a)pyrene
Concen: 20.684 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

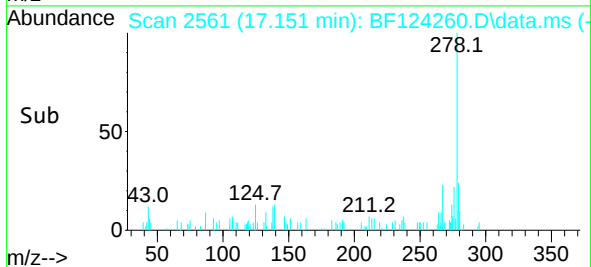
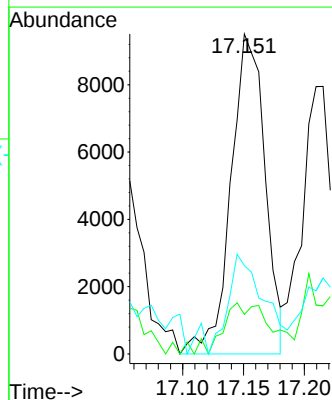
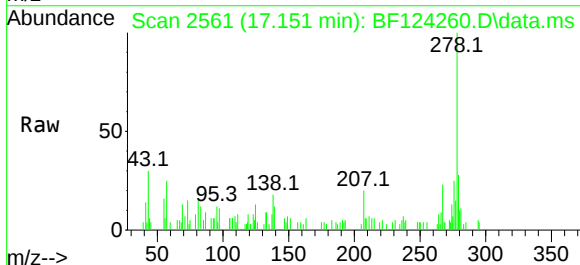
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)DL

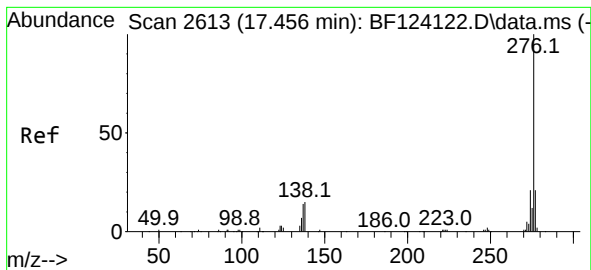
Tgt Ion:252 Resp: 149223
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 11.2 8.0 12.0



#91
Dibenzo(a,h)anthracene
Concen: 6.404 ng
RT: 17.151 min Scan# 2561
Delta R.T. 0.159 min
Lab File: BF124260.D
Acq: 11 Jun 2021 14:45

Tgt Ion:278 Resp: 18541
Ion Ratio Lower Upper
278 100
139 12.4 10.2 15.2
279 27.6 19.4 29.0





#92
 Benzo(g,h,i)perylene
 Concen: 12.555 ng
 RT: 17.427 min Scan# 2608
 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:	276	Resp:	71217
Ion Ratio	Lower	Upper	
276	100		
277	21.2	18.2	27.2
138	18.3	13.8	20.6

