

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061021\
 Data File : BF124248.D
 Acq On : 10 Jun 2021 23:37
 Operator : JU/CG
 Sample : M2612-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

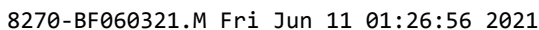
Quant Time: Jun 11 01:26:53 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 10 01:53:56 2021
 Response via : Initial Calibration

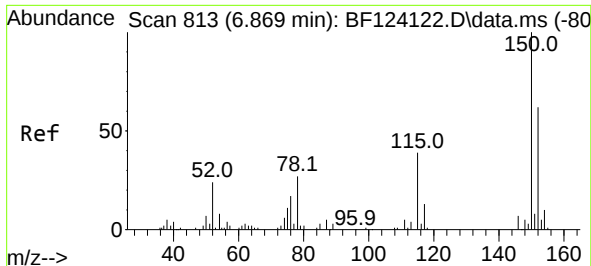
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	33317	20.00	ng	0.00
21) Naphthalene-d8	8.128	136	127611	20.00	ng	0.00
39) Acenaphthene-d10	9.886	164	72198	20.00	ng	0.00
64) Phenanthrene-d10	11.374	188	112309	20.00	ng	# 0.00
76) Chrysene-d12	14.021	240	86168	20.00	ng	0.00
86) Perylene-d12	15.504	264	81833	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	226013	102.12	ng	0.00
7) Phenol-d6	6.492	99	280340	94.23	ng	0.00
23) Nitrobenzene-d5	7.410	82	220309	68.47	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	88031	86.06	ng	0.00
45) 2-Fluorobiphenyl	9.204	172	361996	63.09	ng	0.00
79) Terphenyl-d14	12.957	244	259671	41.37	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.410	70	30917	14.72	ng	# 69
25) Isophorone	7.410	82	220306	38.00	ng	# 69
49) Acenaphthylene	9.745	152	37178	5.16	ng	99
50) Dimethylphthalate	9.598	163	83213	13.93	ng	100
52) Acenaphthene	9.916	154	14606	3.10	ng	93
58) Fluorene	10.433	166	27711	4.90	ng	# 99
67) 4-Bromophenyl-phenylether	10.680	248	6017	3.90	ng	# 1
71) Phenanthrene	11.398	178	319093	45.48	ng	98
72) Anthracene	11.451	178	103040	14.58	ng	96
73) Carbazole	11.604	167	16747	2.72	ng	# 91
75) Fluoranthene	12.598	202	677497	92.00	ng	99
77) Benzidine	12.821	184	179	4.14	ng	# 20
78) Pyrene	12.827	202	524113	63.34	ng	98
81) Benzo(a)anthracene	14.015	228	351556	56.00	ng	99
83) Chrysene	14.051	228	292323	48.27	ng	95
84) Bis(2-ethylhexyl)phtha...	13.992	149	22118	5.54	ng	95
87) Indeno(1,2,3-cd)pyrene	16.992	276	98864	17.54	ng	98
88) Benzo(b)fluoranthene	15.074	252	513382	80.76	ng	96
89) Benzo(k)fluoranthene	15.074	252	513382	85.31	ng	97
90) Benzo(a)pyrene	15.445	252	253419	45.90	ng	99
91) Dibenzo(a,h)anthracene	17.162	278	21629	7.57	ng	99
92) Benzo(g,h,i)perylene	17.439	276	77424	16.23	ng	97

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

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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
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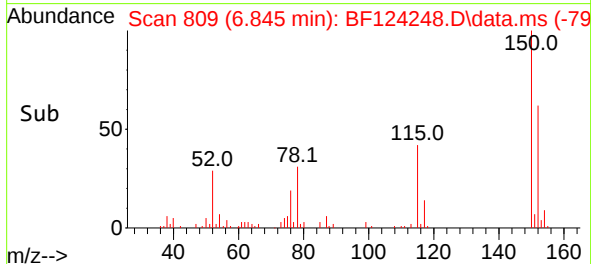
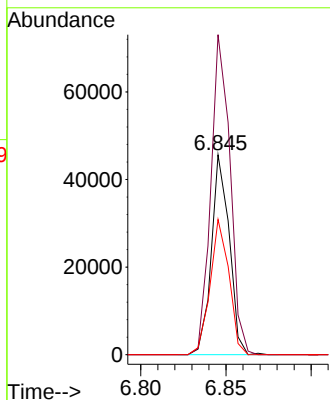
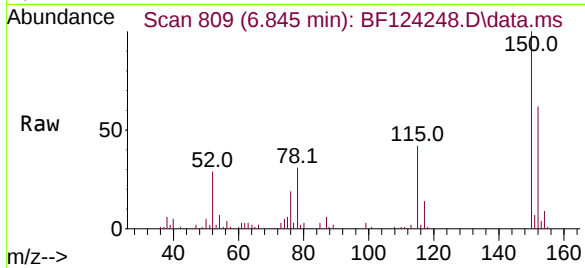




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

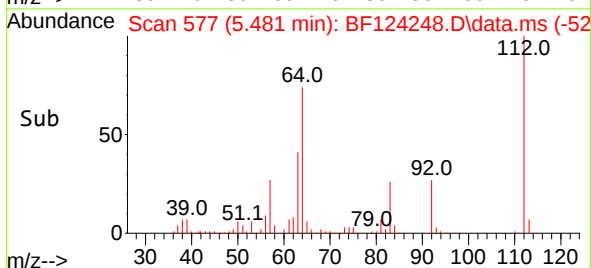
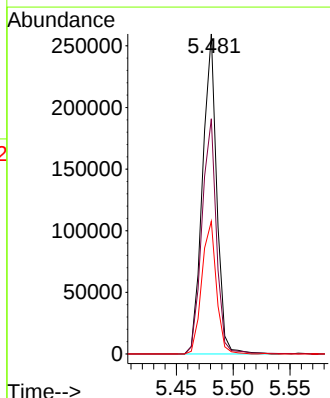
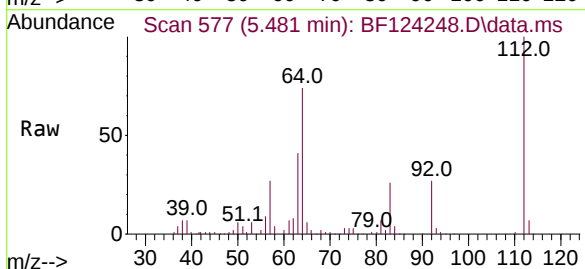
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

Tgt Ion:152 Resp: 33317
Ion Ratio Lower Upper
152 100
150 160.2 127.0 190.6
115 67.7 54.3 81.5



#5
2-Fluorophenol
Concen: 102.12 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion:112 Resp: 226013
Ion Ratio Lower Upper
112 100
64 73.5 61.4 92.0
63 41.5 33.0 49.4

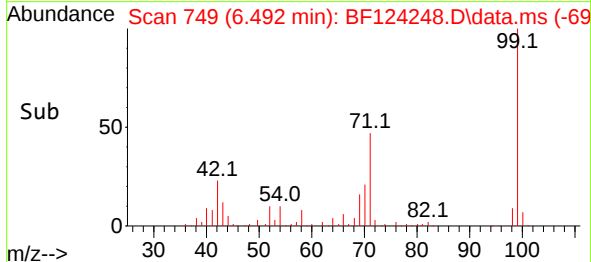
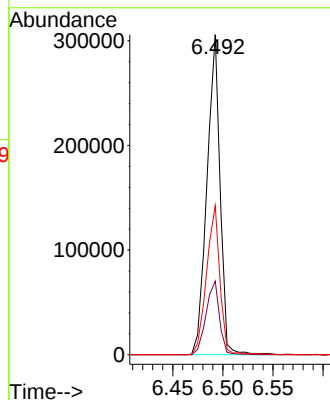
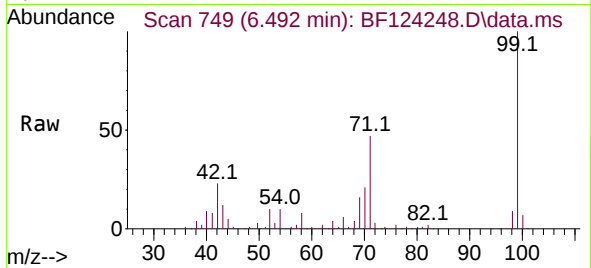




#7
Phenol-d6
Concen: 94.23 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

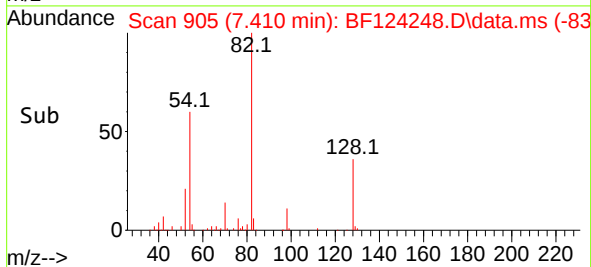
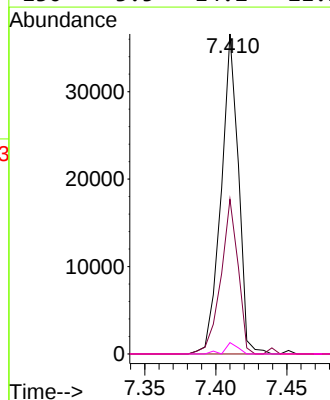
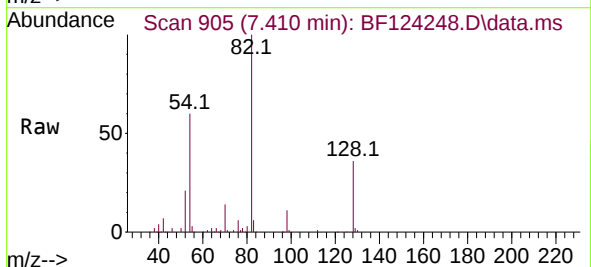
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

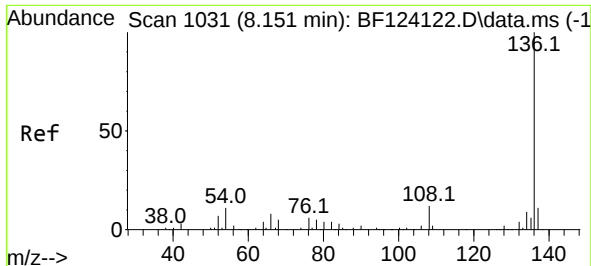
Tgt Ion: 99 Resp: 280340
Ion Ratio Lower Upper
99 100
42 23.0 19.8 29.8
71 46.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 14.72 ng
RT: 7.410 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

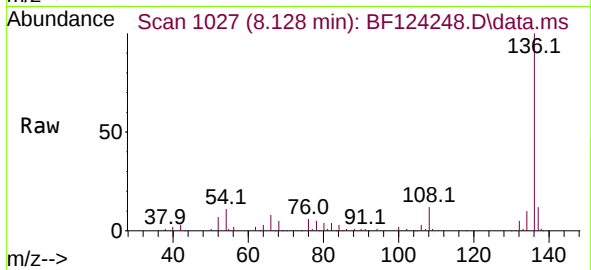
Tgt Ion: 70 Resp: 30917
Ion Ratio Lower Upper
70 100
42 48.4 60.1 90.1#
101 0.0 7.4 11.2#
130 3.5 14.2 21.2#



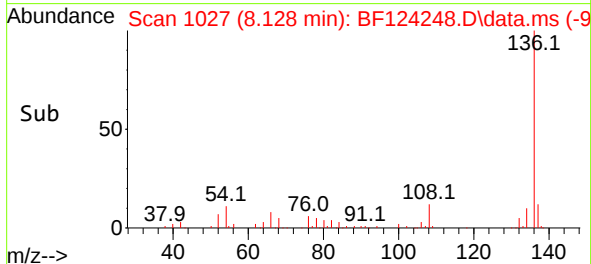
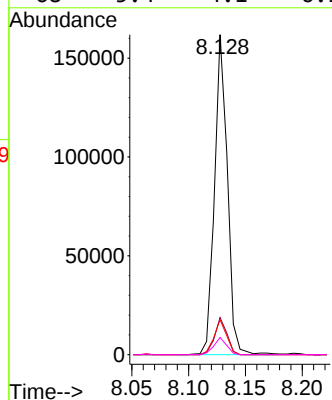


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

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

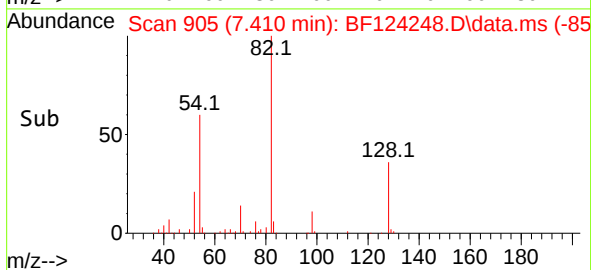
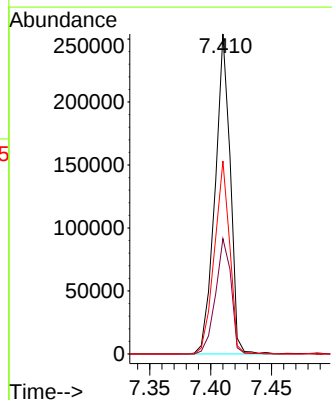
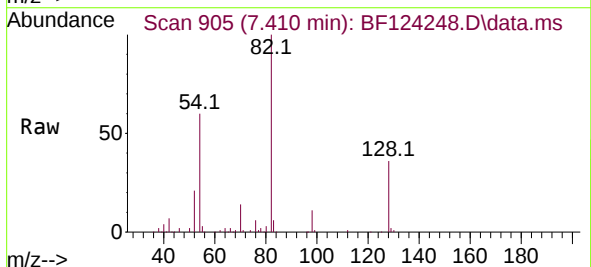


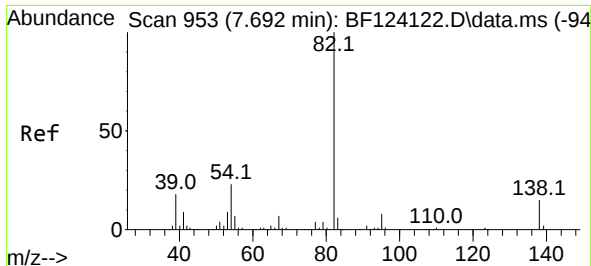
Tgt Ion:	136	Resp:	127611
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.7	13.1
54	10.9	9.8	14.6
68	5.4	4.1	6.1



#23
Nitrobenzene-d5
Concen: 68.47 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion:	82	Resp:	220309
Ion	Ratio	Lower	Upper
82	100		
128	36.0	29.4	44.2
54	60.3	54.1	81.1

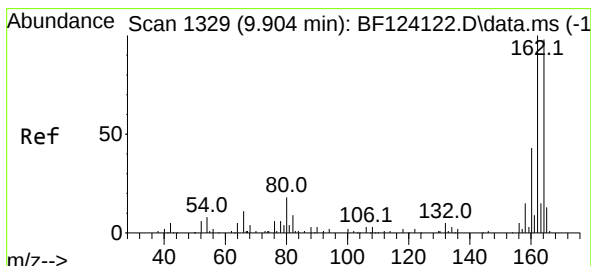
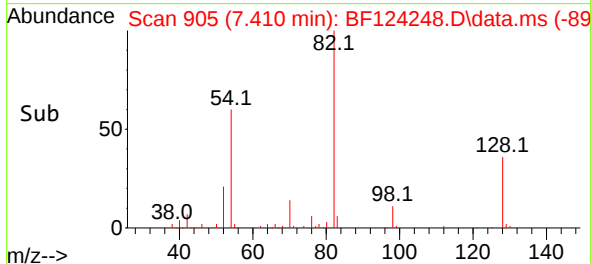
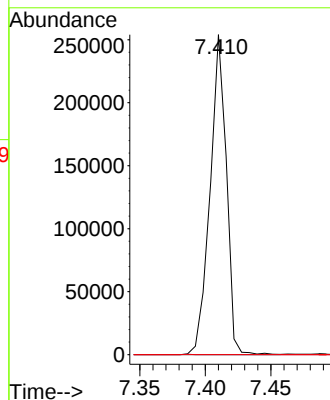
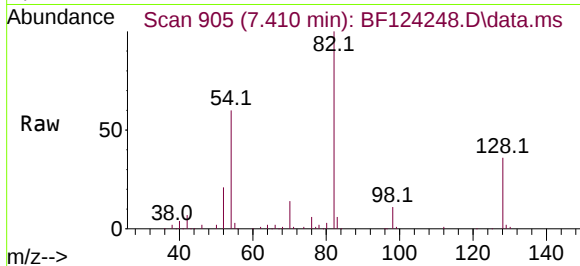




#25
Isophorone
Concen: 38.00 ng
RT: 7.410 min Scan# 905
Delta R.T. -0.265 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

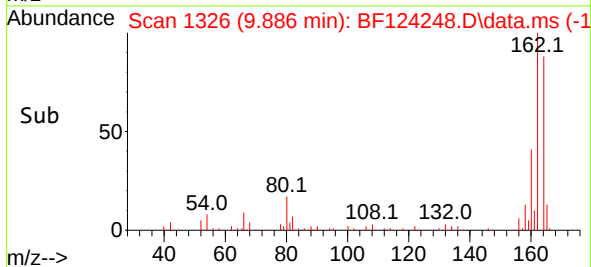
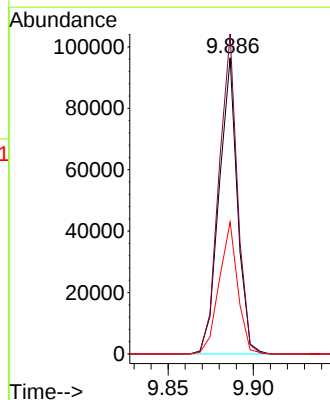
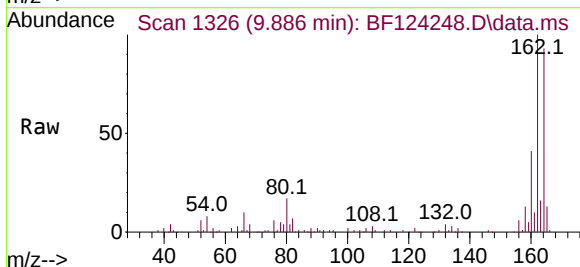
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

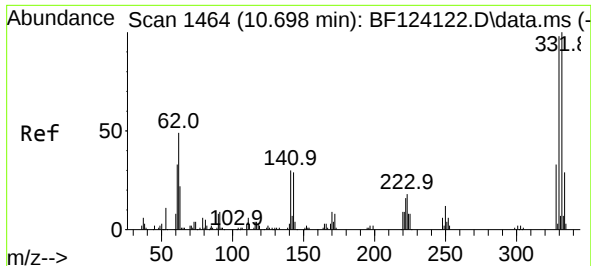
Tgt Ion: 82 Resp: 220306
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion: 164 Resp: 72198
Ion Ratio Lower Upper
164 100
162 108.1 80.7 121.1
160 44.6 37.3 55.9

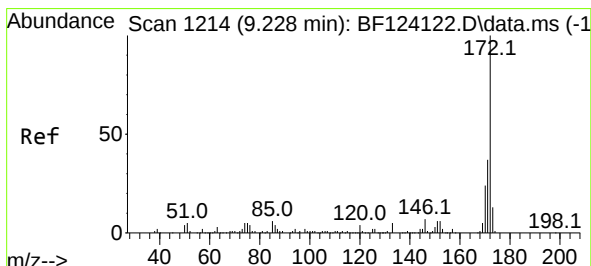
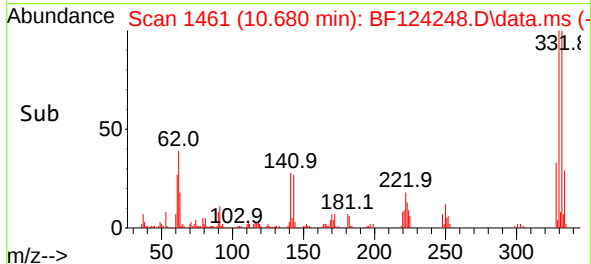
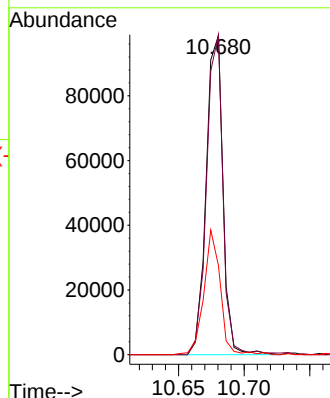
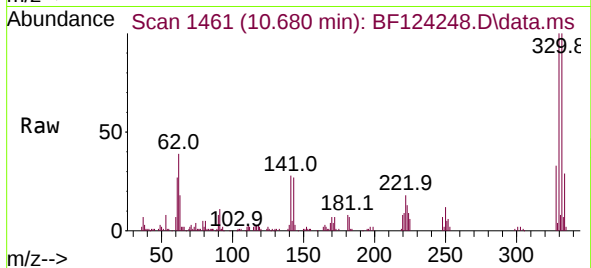




#42
2,4,6-Tribromophenol
Concen: 86.06 ng
RT: 10.680 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

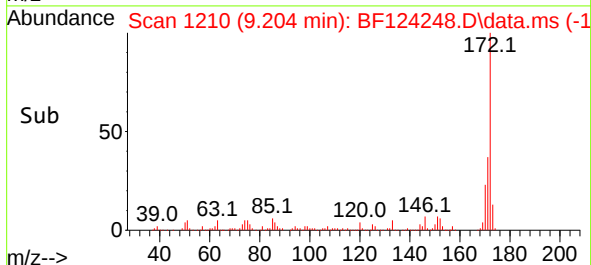
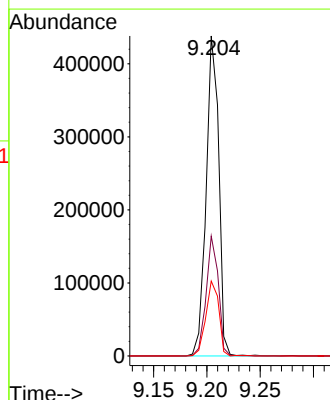
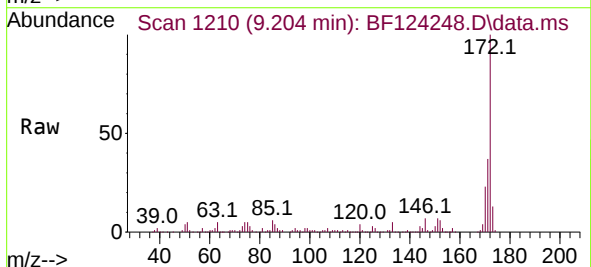
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

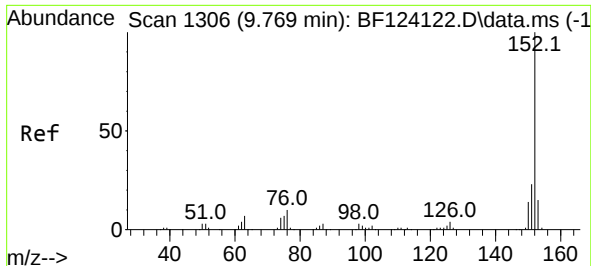
Tgt Ion: 330 Resp: 88031
Ion Ratio Lower Upper
330 100
332 98.2 77.1 115.7
141 38.2 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 63.09 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion: 172 Resp: 361996
Ion Ratio Lower Upper
172 100
171 37.4 28.1 42.1
170 23.4 19.2 28.8





#49

Acenaphthylene

Concen: 5.16 ng

RT: 9.745 min Scan# 1302

Delta R.T. -0.006 min

Lab File: BF124248.D

Acq: 10 Jun 2021 23:37

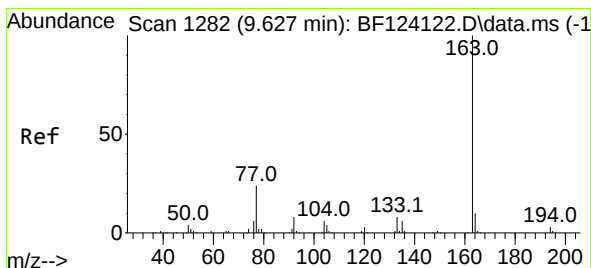
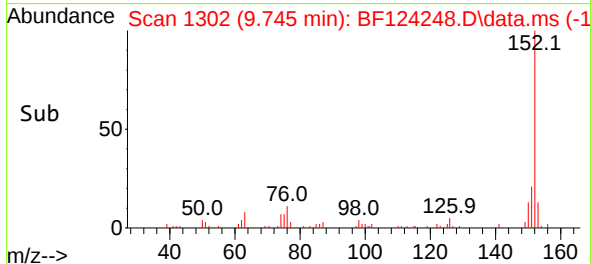
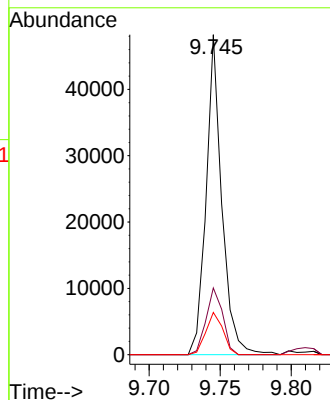
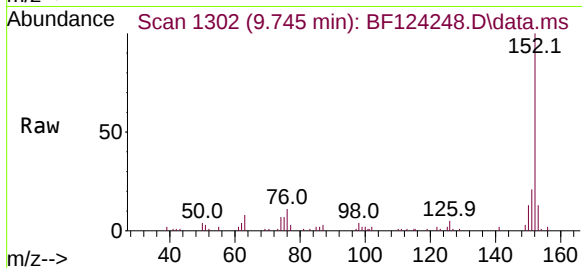
Tgt Ion:152 Resp: 37178

Ion Ratio Lower Upper

152 100

151 20.9 16.0 24.0

153 13.2 10.4 15.6



#50

Dimethylphthalate

Concen: 13.93 ng

RT: 9.598 min Scan# 1277

Delta R.T. -0.018 min

Lab File: BF124248.D

Acq: 10 Jun 2021 23:37

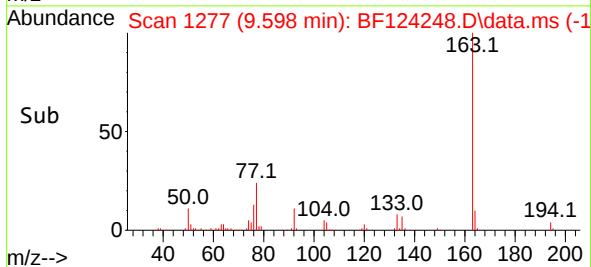
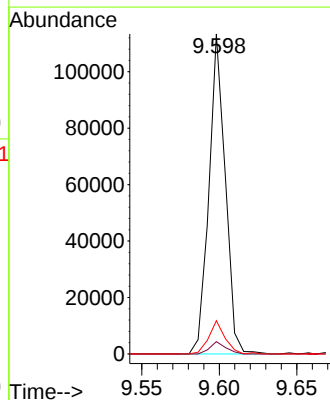
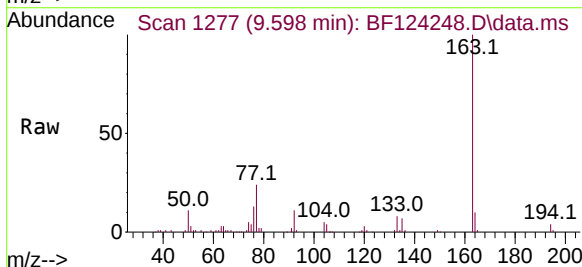
Tgt Ion:163 Resp: 83213

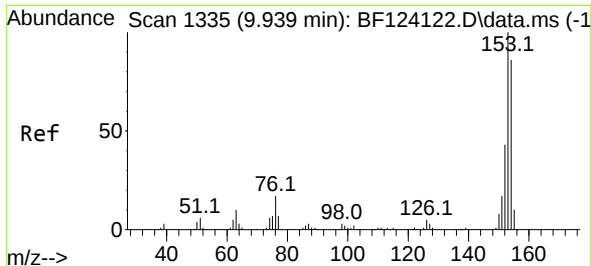
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 10.4 8.2 12.2

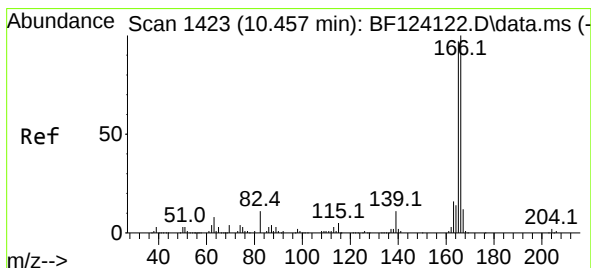
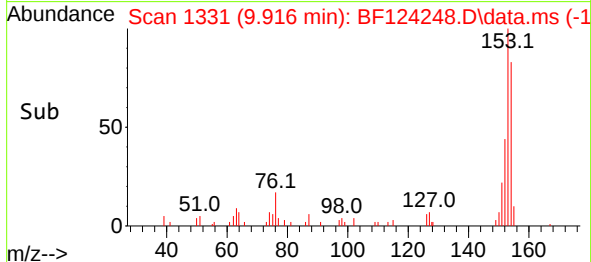
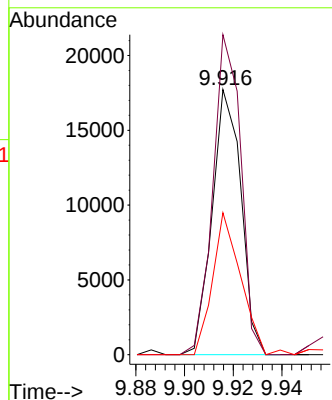
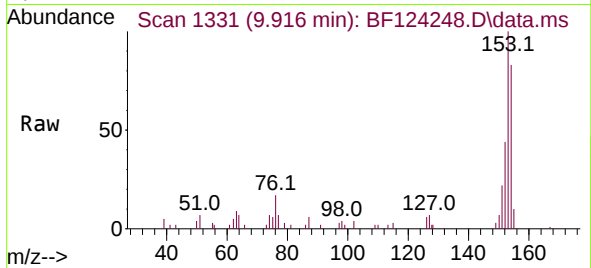




#52
Acenaphthene
Concen: 3.10 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

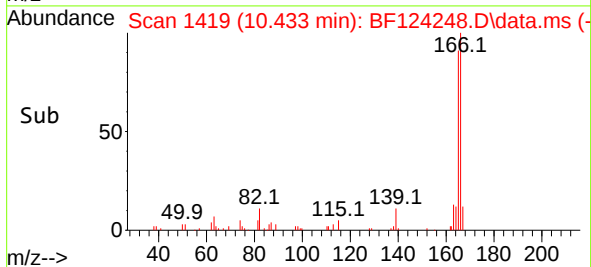
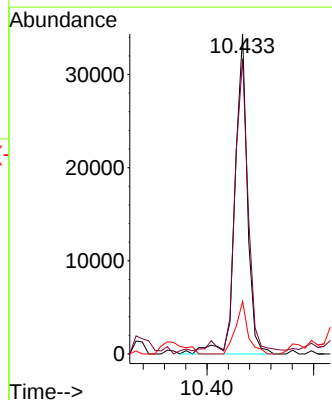
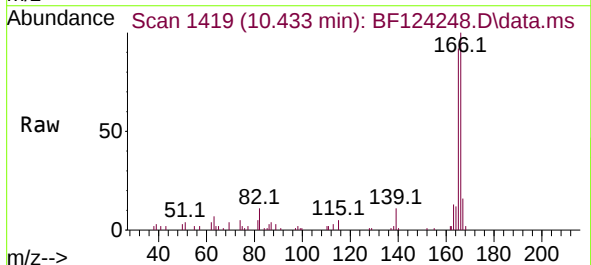
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

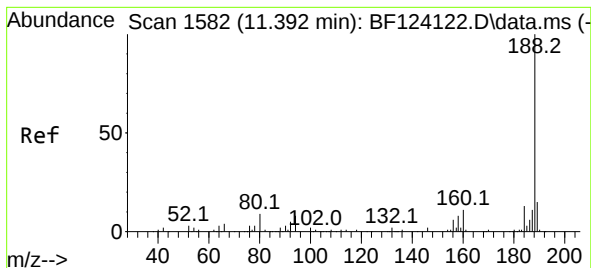
Tgt Ion:154 Resp: 14606
Ion Ratio Lower Upper
154 100
153 120.7 88.1 132.1
152 53.5 43.4 65.0



#58
Fluorene
Concen: 4.90 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion:166 Resp: 27711
Ion Ratio Lower Upper
166 100
165 92.2 73.5 110.3
167 16.5 10.7 16.1#

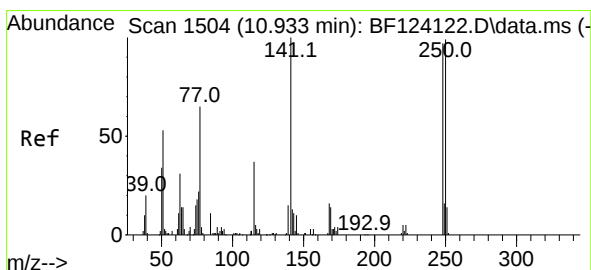
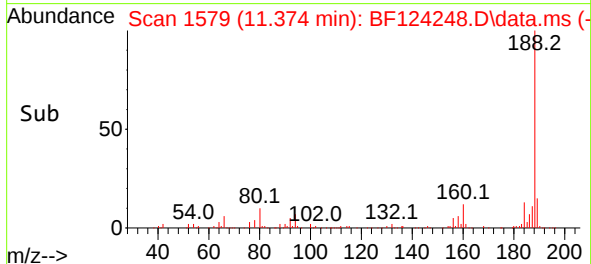
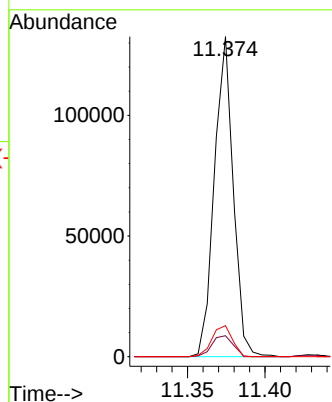
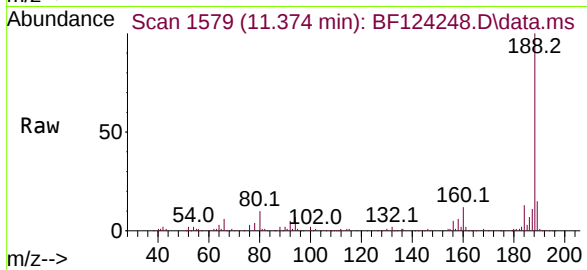




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.374 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

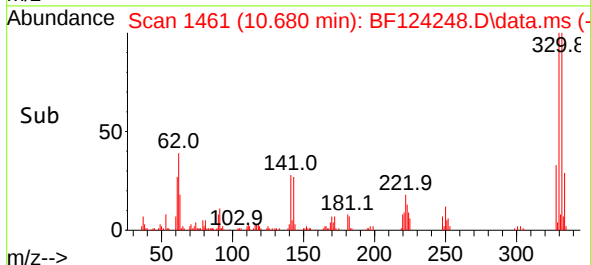
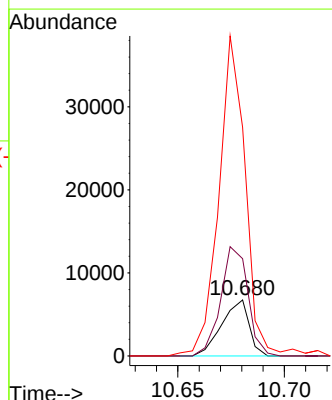
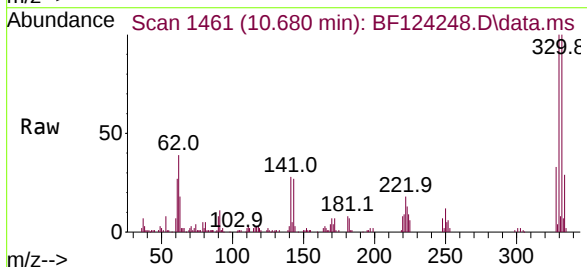
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

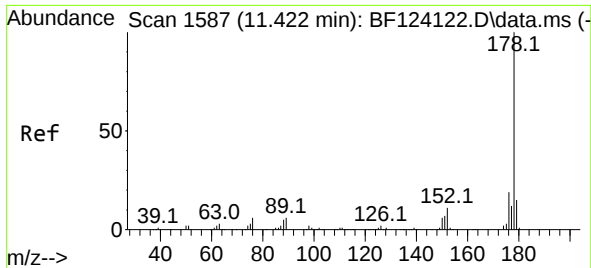
Tgt Ion:188 Resp: 112309
Ion Ratio Lower Upper
188 100
94 6.6 6.9 10.3#
80 9.7 8.2 12.2



#67
4-Bromophenyl-phenylether
Concen: 3.90 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.241 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion:248 Resp: 6017
Ion Ratio Lower Upper
248 100
250 173.8 77.4 116.2#
141 408.4 63.7 95.5#

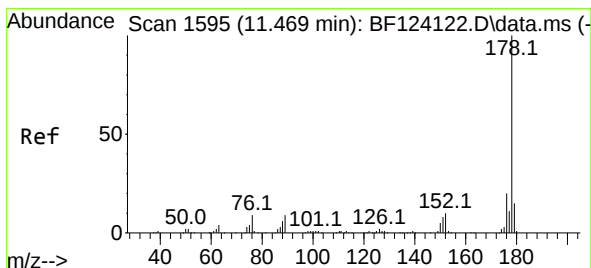
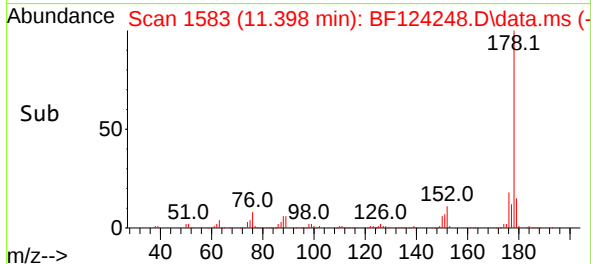
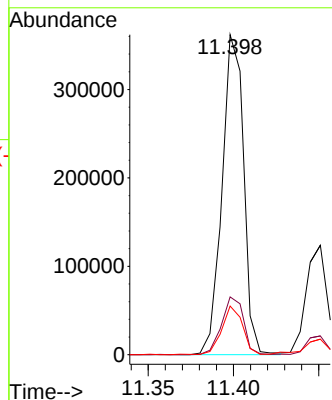
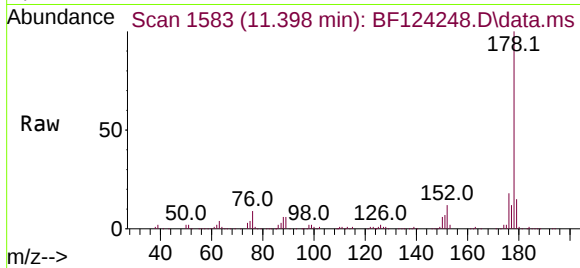




#71
Phenanthrene
Concen: 45.48 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

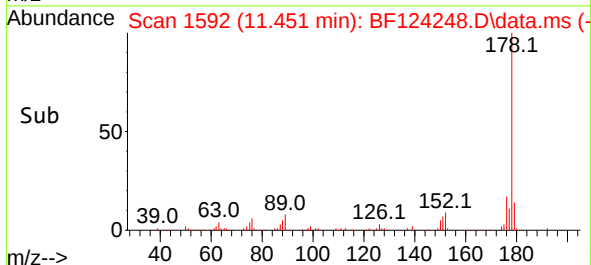
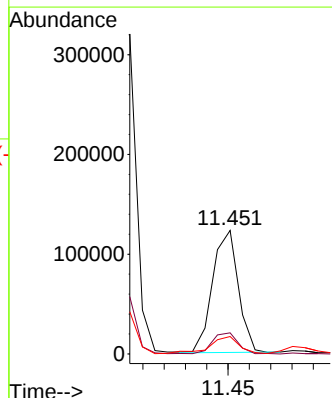
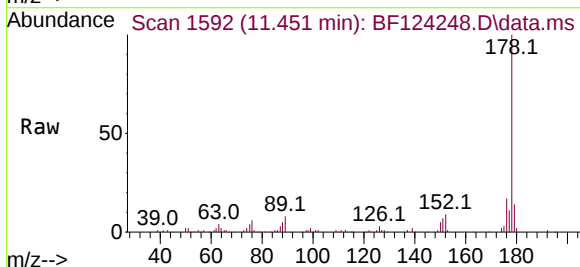
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

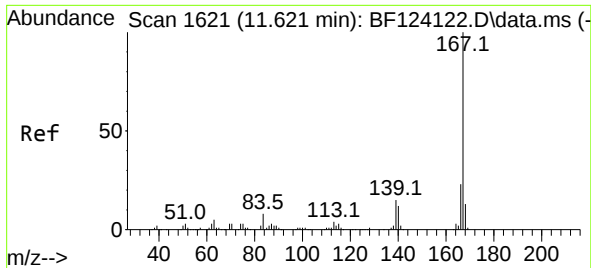
Tgt Ion:178 Resp: 319093
Ion Ratio Lower Upper
178 100
176 18.0 15.6 23.4
179 15.2 12.5 18.7



#72
Anthracene
Concen: 14.58 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion:178 Resp: 103040
Ion Ratio Lower Upper
178 100
176 17.1 15.4 23.0
179 14.1 12.6 18.8

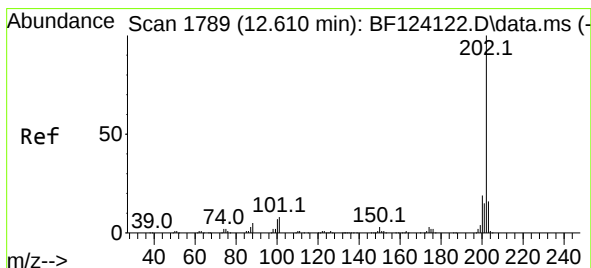
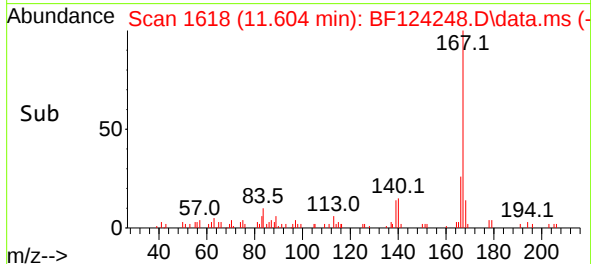
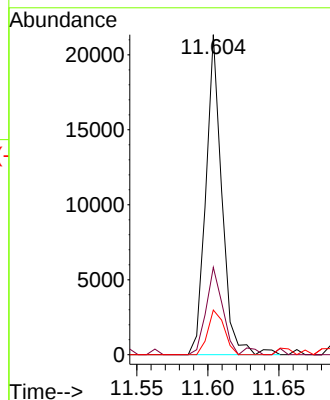
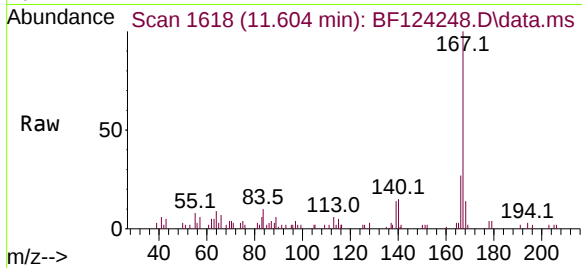




#73
 Carbazole
 Concen: 2.72 ng
 RT: 11.604 min Scan# 1618
 Delta R.T. -0.006 min
 Lab File: BF124248.D
 Acq: 10 Jun 2021 23:37

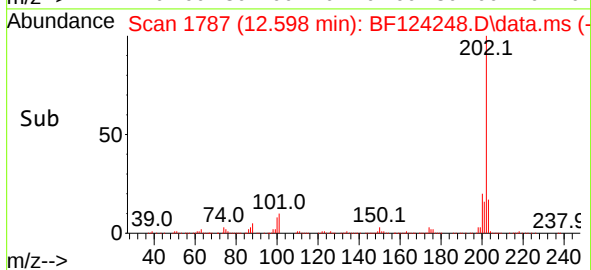
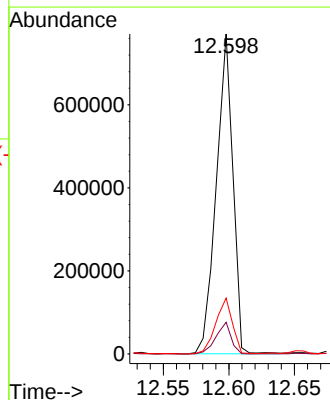
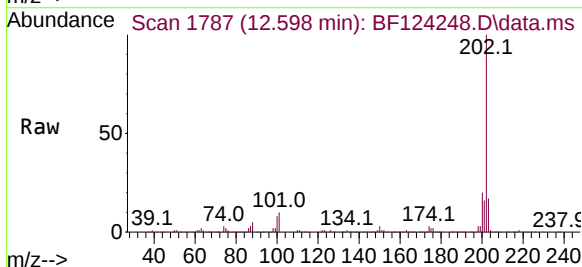
Instrument :
 BNA_F
 ClientSampleId :
 18-B12(10-14)

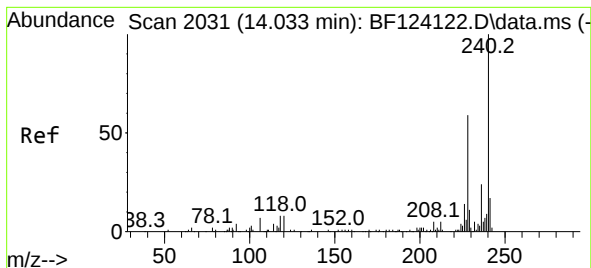
Tgt Ion:167 Resp: 16747
 Ion Ratio Lower Upper
 167 100
 166 27.3 17.0 25.6#
 139 13.9 10.4 15.6



#75
 Fluoranthene
 Concen: 92.00 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. 0.006 min
 Lab File: BF124248.D
 Acq: 10 Jun 2021 23:37

Tgt Ion:202 Resp: 677497
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.9
 203 17.4 0.0 37.5

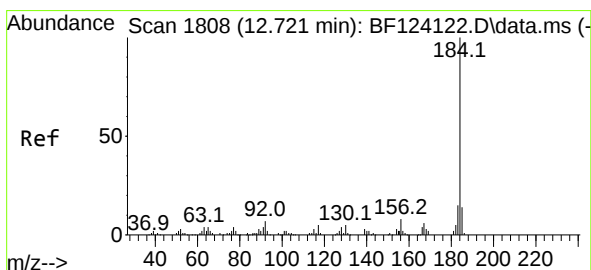
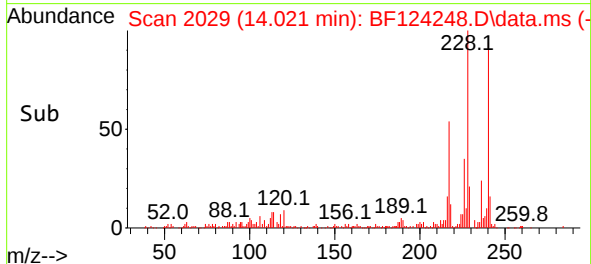
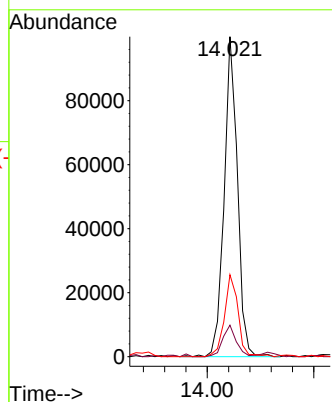
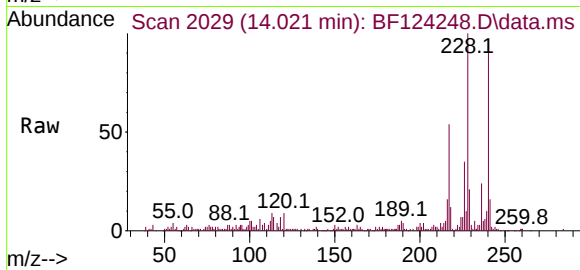




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

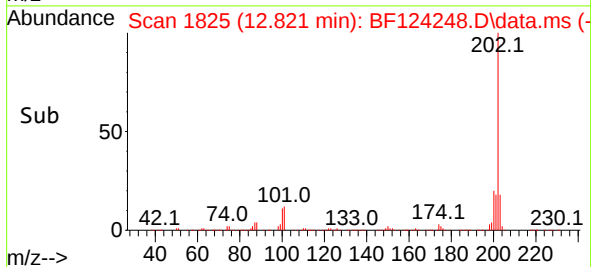
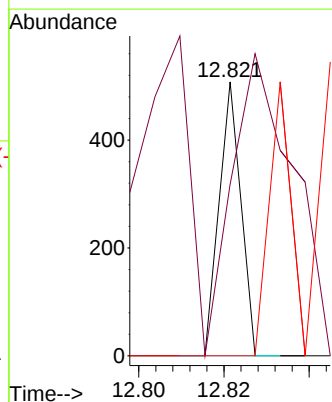
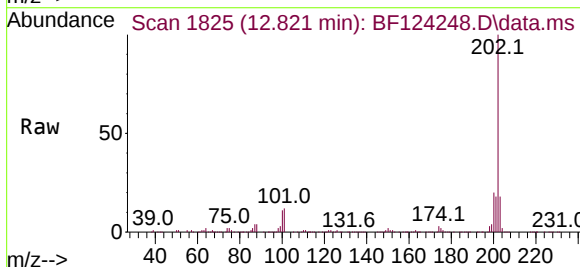
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

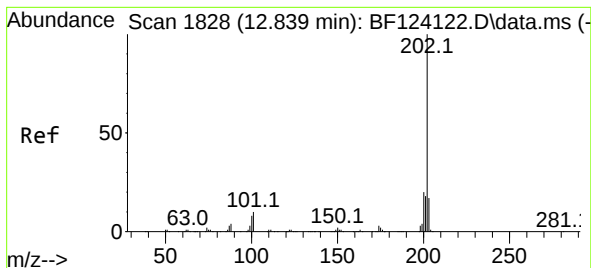
Tgt Ion:240 Resp: 86168
Ion Ratio Lower Upper
240 100
120 9.9 7.2 10.8
236 25.6 19.0 28.4



#77
Benzidine
Concen: 4.14 ng
RT: 12.821 min Scan# 1825
Delta R.T. 0.112 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion:184 Resp: 179
Ion Ratio Lower Upper
184 100
185 62.6 12.1 18.1#
183 0.0 7.8 11.8#





#78

Pyrene

Concen: 63.34 ng

RT: 12.827 min Scan# 1826

Delta R.T. 0.006 min

Lab File: BF124248.D

Acq: 10 Jun 2021 23:37

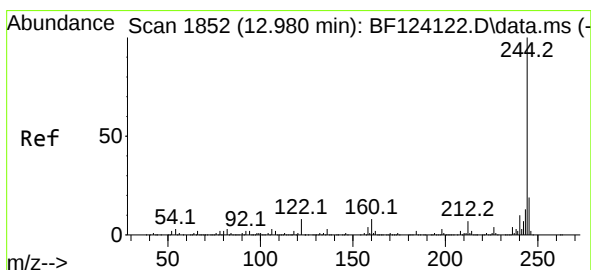
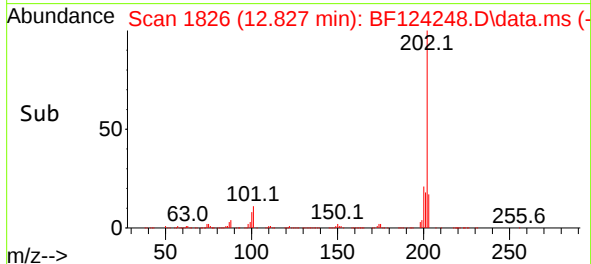
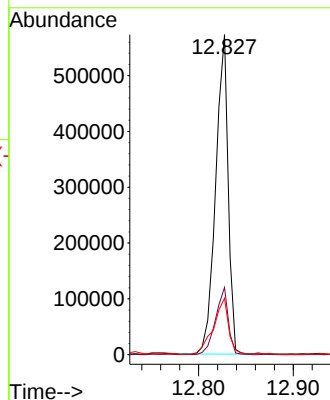
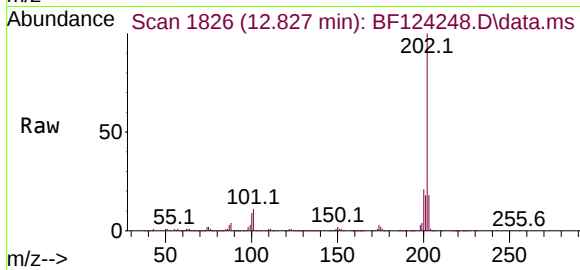
Tgt Ion:202 Resp: 524113

Ion Ratio Lower Upper

202 100

200 21.0 16.1 24.1

203 17.6 14.8 22.2



#79

Terphenyl-d14

Concen: 41.37 ng

RT: 12.957 min Scan# 1848

Delta R.T. -0.006 min

Lab File: BF124248.D

Acq: 10 Jun 2021 23:37

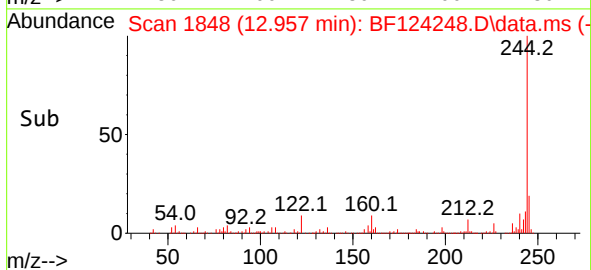
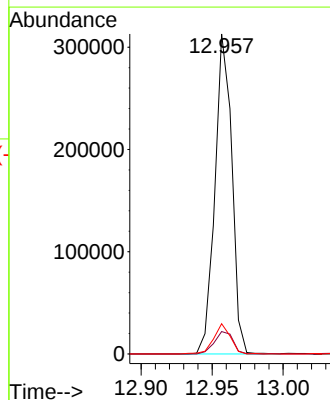
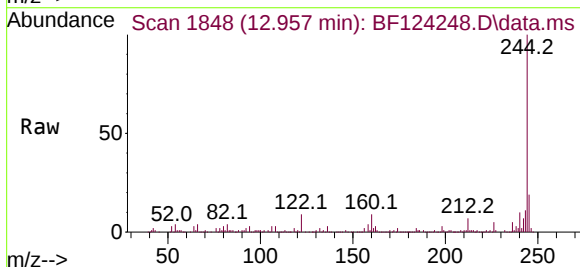
Tgt Ion:244 Resp: 259671

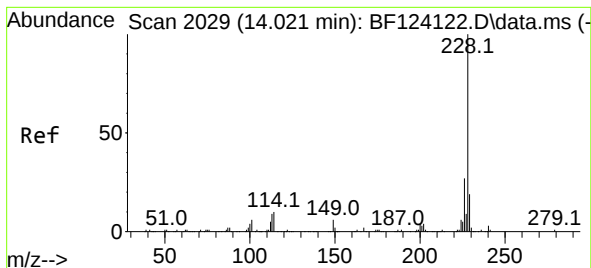
Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 9.5 9.7 14.5#





#81

Benzo(a)anthracene

Concen: 56.00 ng

RT: 14.015 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF124248.D

Acq: 10 Jun 2021 23:37

Tgt Ion:228 Resp: 351556

Ion Ratio Lower Upper

228 100

226 29.1 22.4 33.6

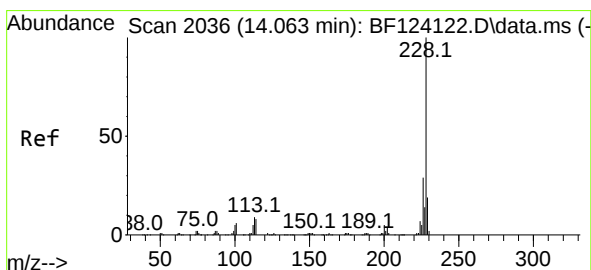
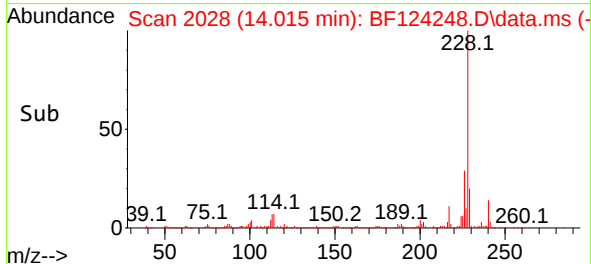
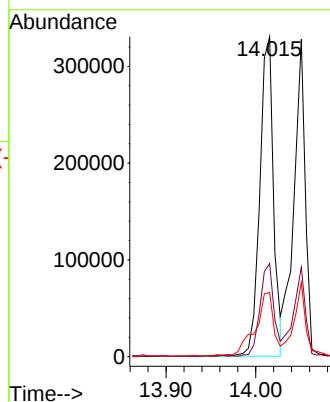
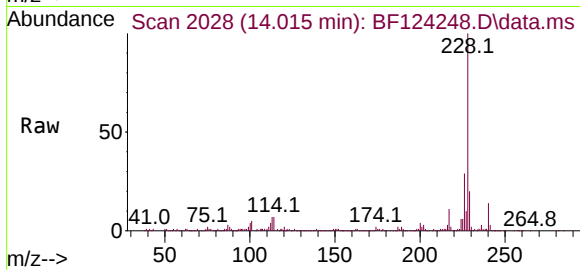
229 20.0 16.0 24.0

Instrument :

BNA_F

ClientSampleId :

18-B12(10-14)



#83

Chrysene

Concen: 48.27 ng

RT: 14.051 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF124248.D

Acq: 10 Jun 2021 23:37

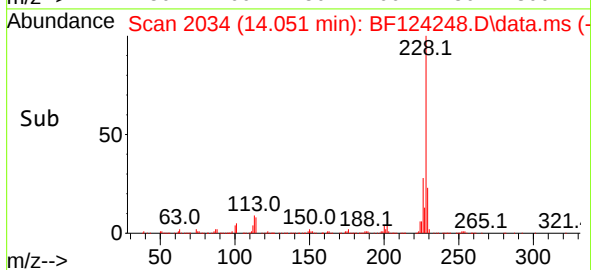
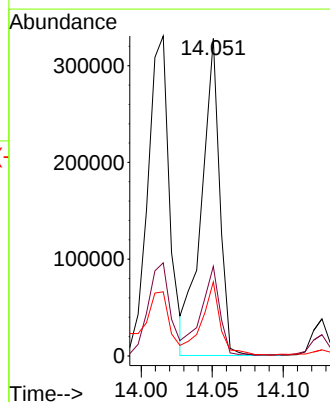
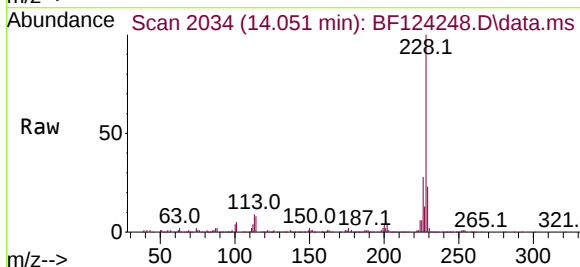
Tgt Ion:228 Resp: 292323

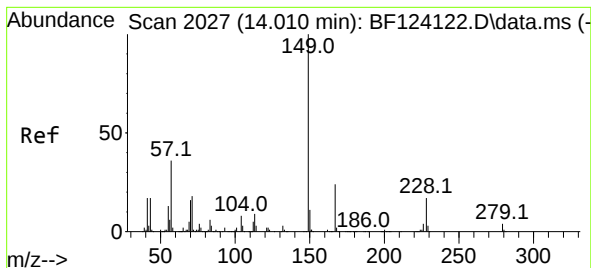
Ion Ratio Lower Upper

228 100

226 28.2 24.3 36.5

229 23.3 16.2 24.2

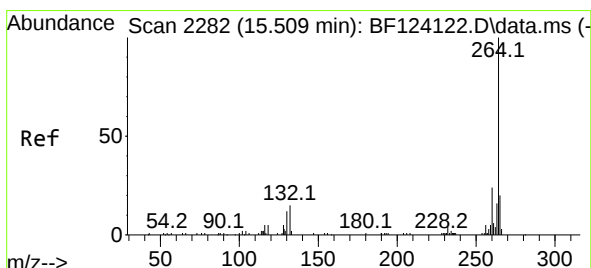
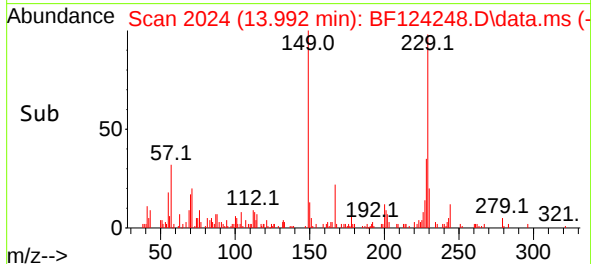
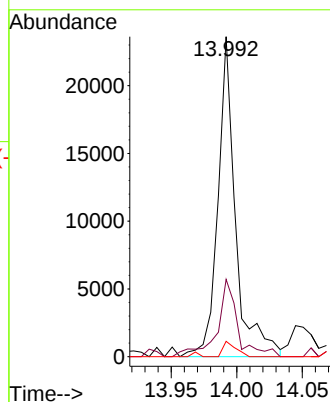
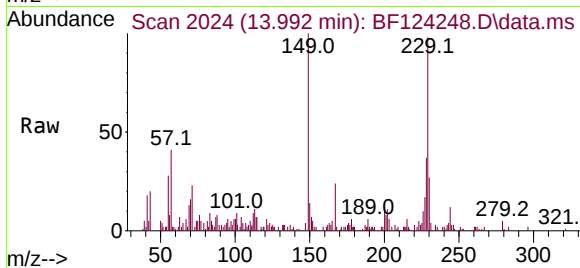




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.54 ng
RT: 13.992 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

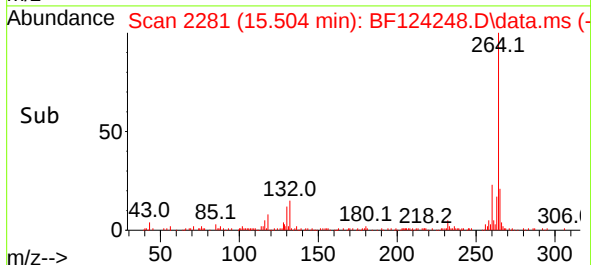
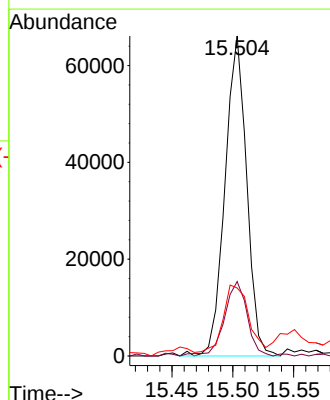
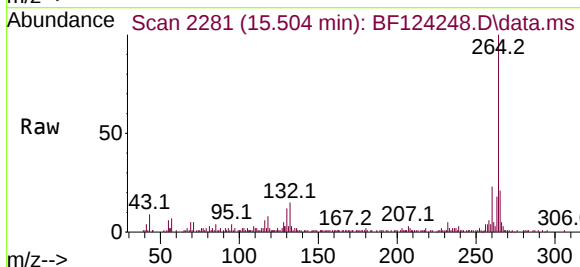
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

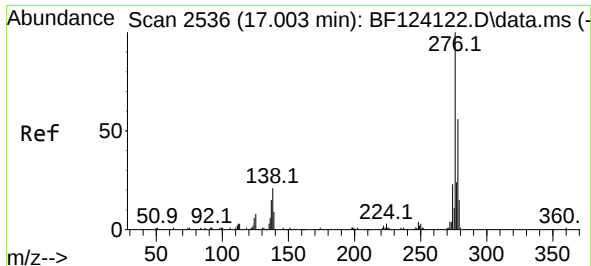
Tgt Ion:149 Resp: 22118
Ion Ratio Lower Upper
149 100
167 24.1 21.8 32.6
279 4.8 3.3 4.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion:264 Resp: 81833
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 21.3 17.8 26.8

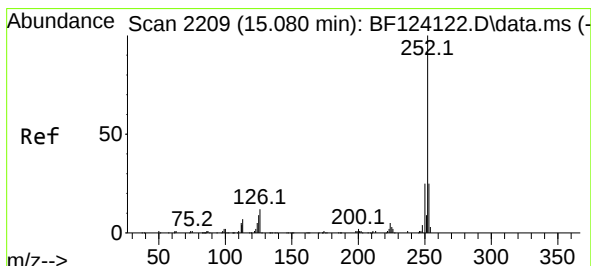
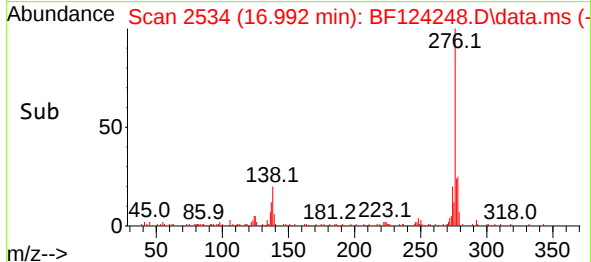
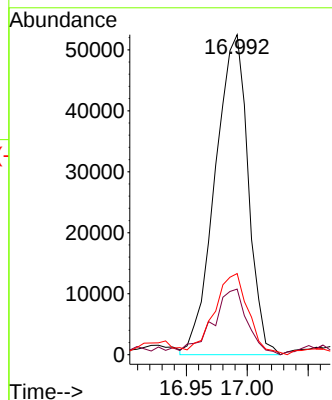
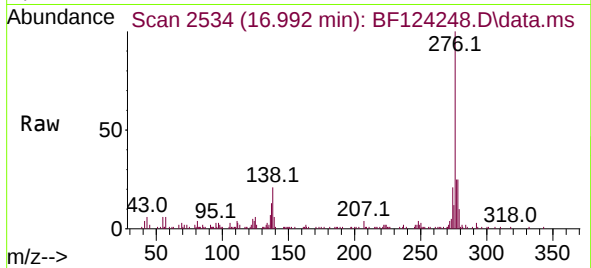




#87
Indeno(1,2,3-cd)pyrene
Concen: 17.54 ng
RT: 16.992 min Scan# 2534
Delta R.T. 0.012 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

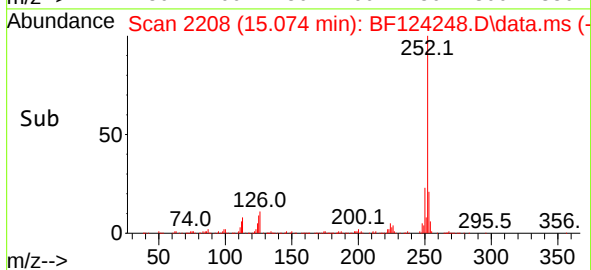
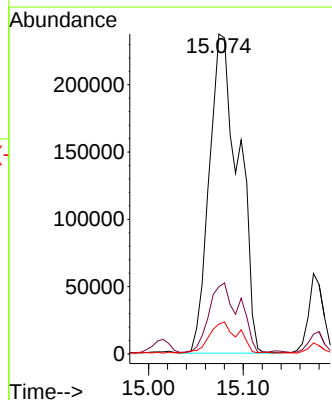
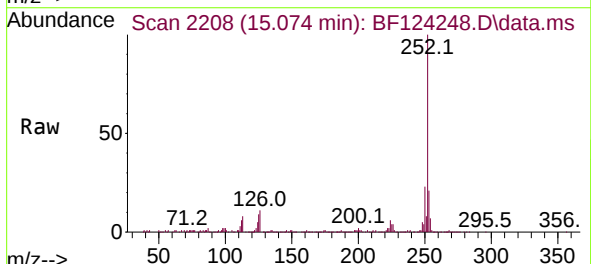
Instrument :
BNA_F
ClientSampleId :
18-B12(10-14)

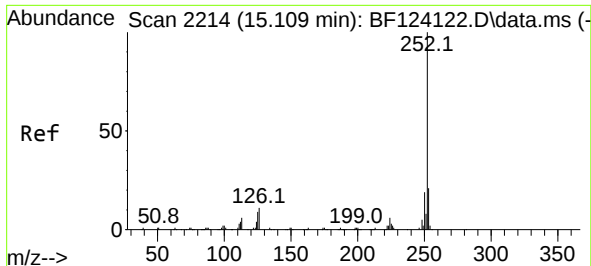
Tgt Ion:276 Resp: 98864
Ion Ratio Lower Upper
276 100
138 21.5 16.2 24.2
277 26.2 20.1 30.1



#88
Benzo(b)fluoranthene
Concen: 80.76 ng
RT: 15.074 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion:252 Resp: 513382
Ion Ratio Lower Upper
252 100
253 21.0 18.1 27.1
125 9.4 6.2 9.4





#89

Benzo(k)fluoranthene

Concen: 85.31 ng

RT: 15.074 min Scan# 2208

Delta R.T. -0.018 min

Lab File: BF124248.D

Acq: 10 Jun 2021 23:37

Tgt Ion:252 Resp: 513382

Ion Ratio Lower Upper

252 100

253 21.0 17.9 26.9

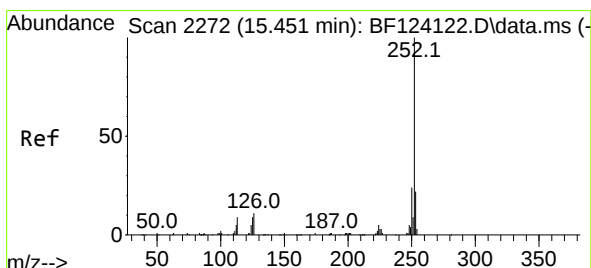
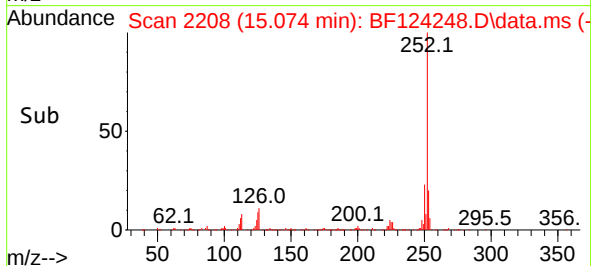
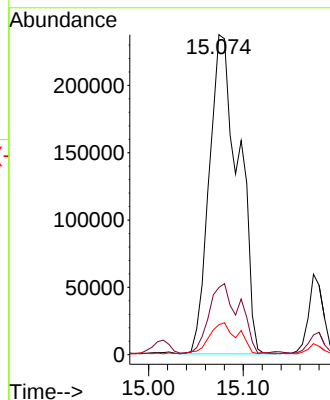
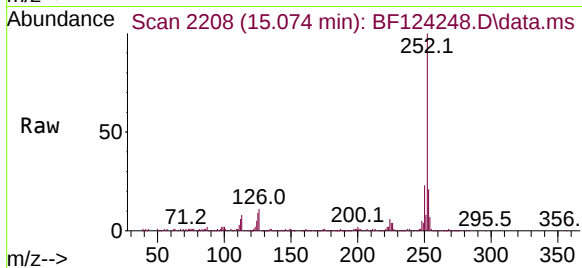
125 9.4 7.0 10.6

Instrument :

BNA_F

ClientSampleId :

18-B12(10-14)



#90

Benzo(a)pyrene

Concen: 45.90 ng

RT: 15.445 min Scan# 2271

Delta R.T. 0.012 min

Lab File: BF124248.D

Acq: 10 Jun 2021 23:37

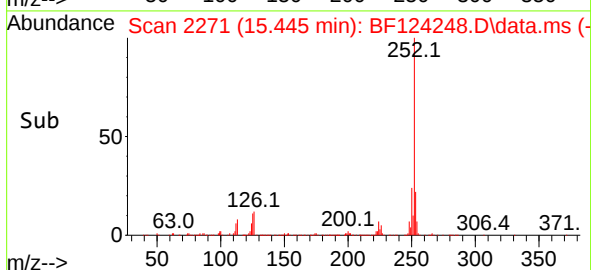
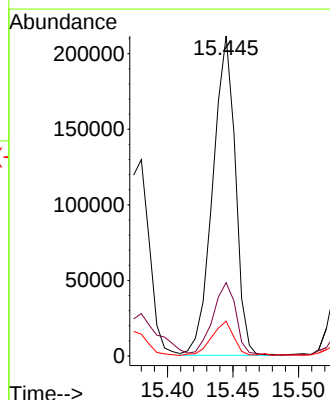
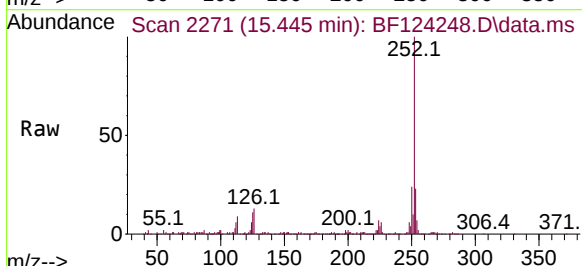
Tgt Ion:252 Resp: 253419

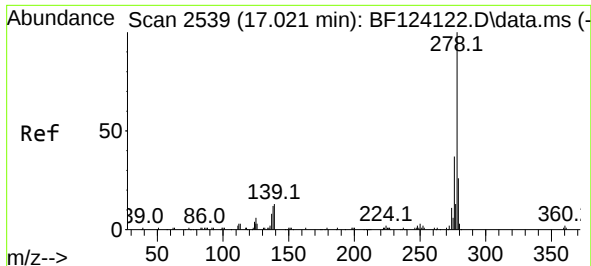
Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

125 10.9 8.0 12.0

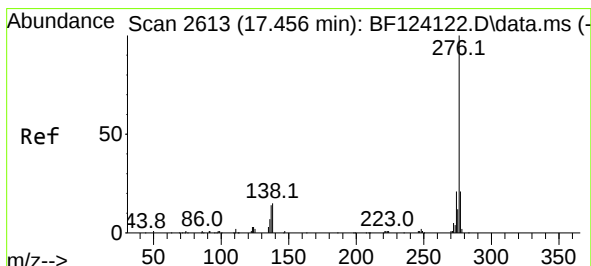
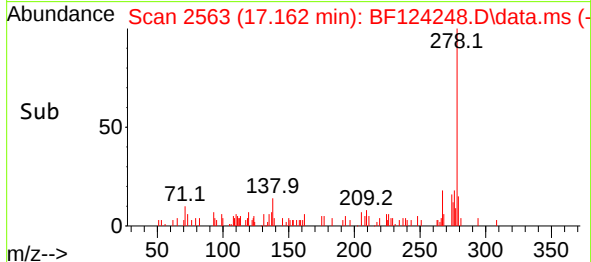
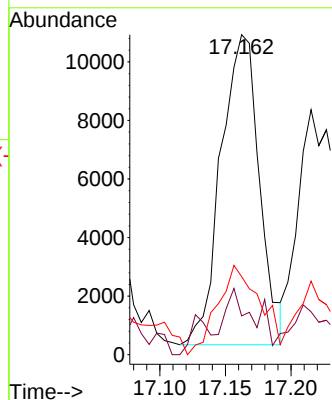
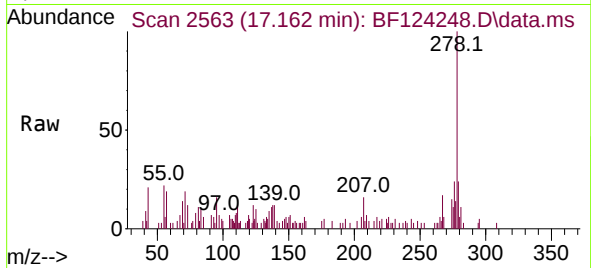




#91
Dibenzo(a,h)anthracene
Concen: 7.57 ng
RT: 17.162 min Scan# 2563
Delta R.T. 0.171 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

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

Tgt Ion:278 Resp: 21629
Ion Ratio Lower Upper
278 100
139 12.1 10.2 15.2
279 24.4 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 16.23 ng
RT: 17.439 min Scan# 2610
Delta R.T. 0.006 min
Lab File: BF124248.D
Acq: 10 Jun 2021 23:37

Tgt Ion:276 Resp: 77424
Ion Ratio Lower Upper
276 100
277 23.3 18.2 27.2
138 19.0 13.8 20.6

