

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060821\
 Data File : BF124197.D
 Acq On : 9 Jun 2021 00:34
 Operator : JU/CG
 Sample : M2589-19 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B12(2-4)RE

Quant Time: Jun 09 04:10:35 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 07 13:32:21 2021
 Response via : Initial Calibration

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

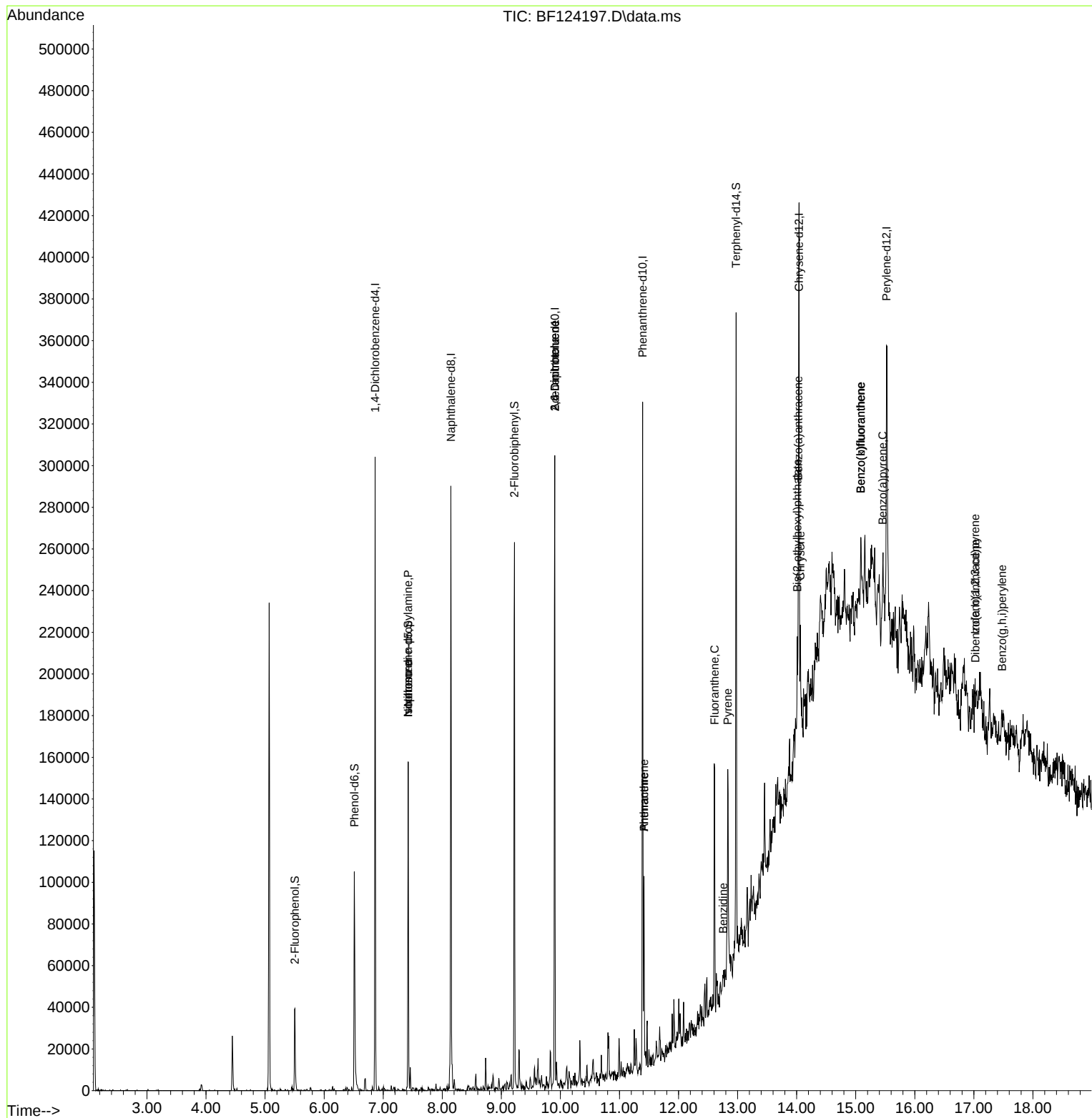
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	34330	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	102437	20.00	ng	0.00
39) Acenaphthene-d10	9.904	164	53320	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	96762	20.00	ng	0.00
76) Chrysene-d12	14.039	240	75823	20.00	ng	0.00
86) Perylene-d12	15.521	264	58305	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	11291	4.95	ng	0.01
7) Phenol-d6	6.510	99	32893	10.73	ng	0.00
23) Nitrobenzene-d5	7.422	82	39448	15.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	489	0.65	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	69956	16.51	ng	0.00
79) Terphenyl-d14	12.975	244	79075	14.32	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	5380	2.49	ng	# 75
25) Isophorone	7.422	82	39448	8.48	ng	# 69
51) 2,6-Dinitrotoluene	9.904	165	6766	6.69	ng	# 10
57) 2,4-Dinitrotoluene	9.904	165	6766	5.07	ng	# 15
71) Phenanthrene	11.416	178	29195	4.83	ng	95
72) Anthracene	11.416	178	29195	4.80	ng	95
75) Fluoranthene	12.610	202	41661	6.57	ng	95
77) Benzidine	12.757	184	113	4.12	ng	# 1
78) Pyrene	12.833	202	38037	5.22	ng	96
81) Benzo(a)anthracene	14.027	228	18279	3.31	ng	93
83) Chrysene	14.063	228	14922	2.80	ng	# 85
84) Bis(2-ethylhexyl)phtha...	14.010	149	10819	3.08	ng	# 91
87) Indeno(1,2,3-cd)pyrene	17.021	276	7834	5.80	ng	# 38
88) Benzo(b)fluoranthene	15.086	252	22694	5.01	ng	# 85
89) Benzo(k)fluoranthene	15.086	252	22694	5.29	ng	# 85
90) Benzo(a)pyrene	15.457	252	11913	3.03	ng	# 83
91) Dibenzo(a,h)anthracene	17.027	278	3244	4.89	ng	# 58
92) Benzo(g,h,i)perylene	17.480	276	7390	5.47	ng	# 78

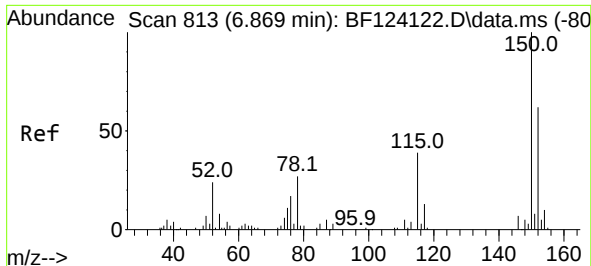
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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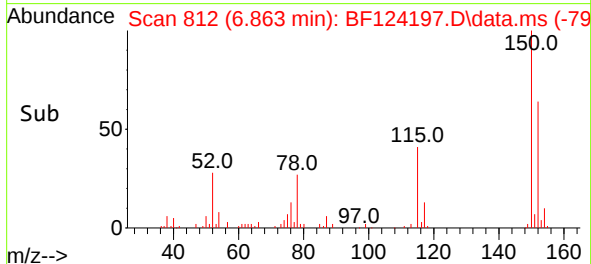
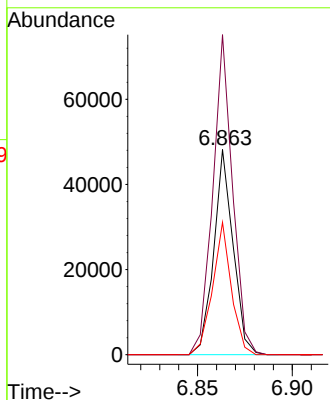
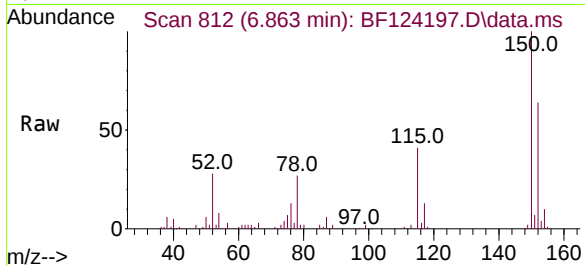




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

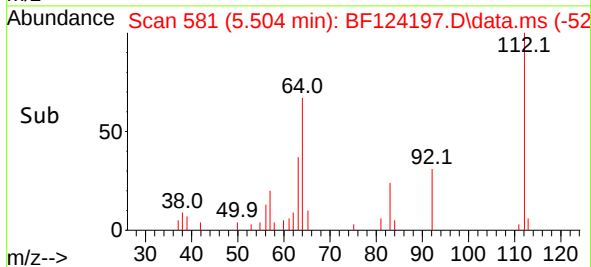
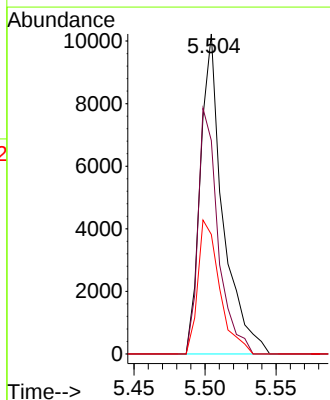
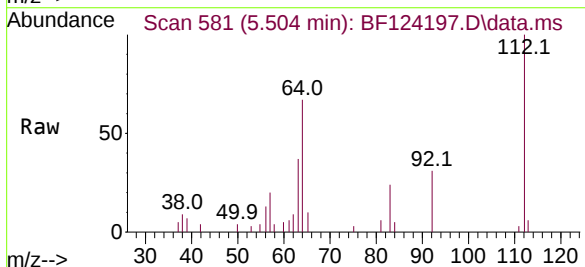
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

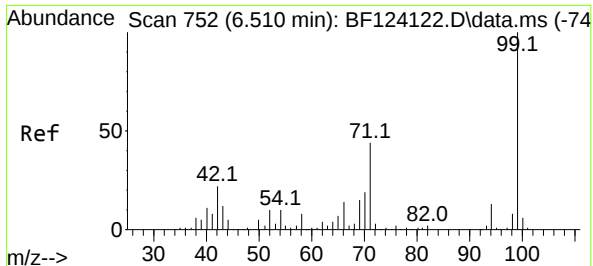
Tgt Ion:152 Resp: 34330
Ion Ratio Lower Upper
152 100
150 156.0 127.0 190.6
115 64.5 54.3 81.5



#5
2-Fluorophenol
Concen: 4.95 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.012 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion:112 Resp: 11291
Ion Ratio Lower Upper
112 100
64 66.7 61.4 92.0
63 37.3 33.0 49.4

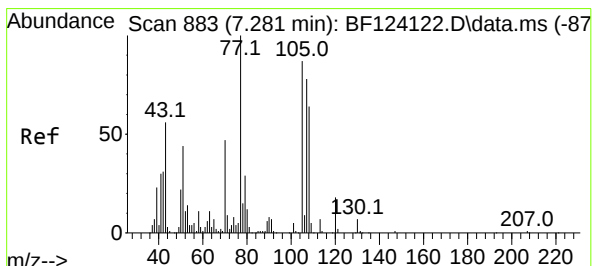
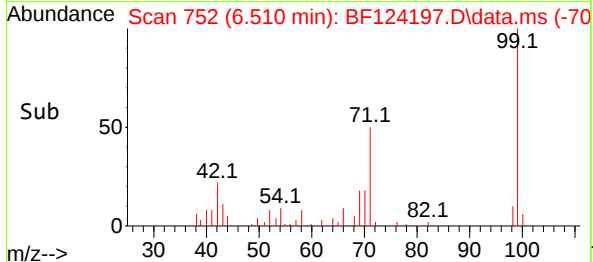
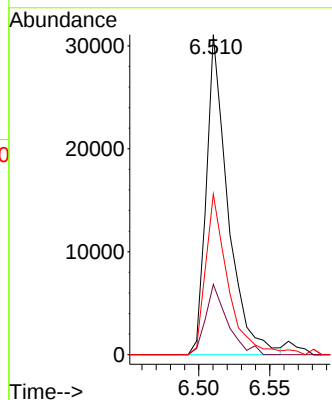
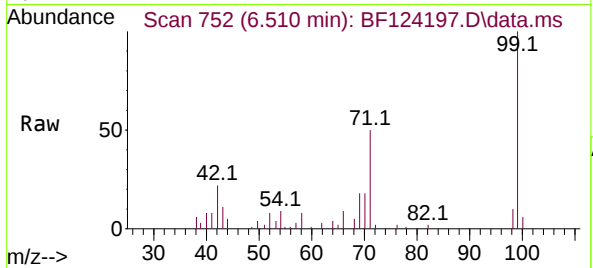




#7
Phenol-d6
Concen: 10.73 ng
RT: 6.510 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

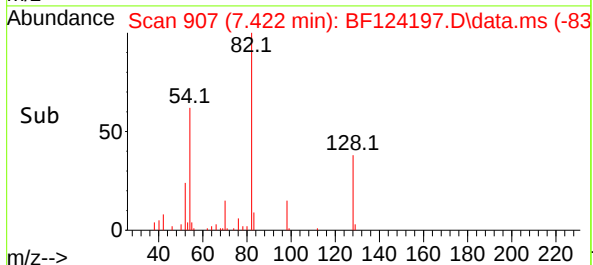
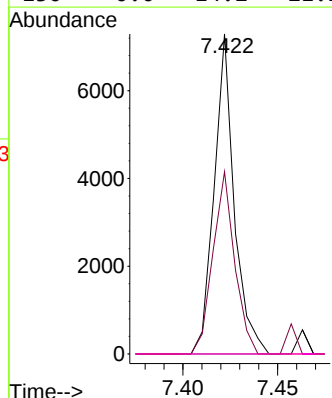
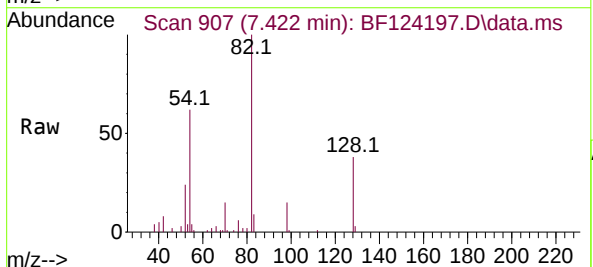
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

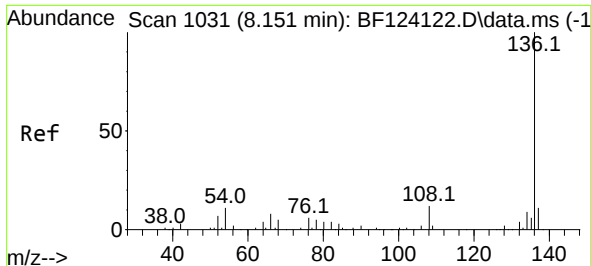
Tgt Ion: 99 Resp: 32893
Ion Ratio Lower Upper
99 100
42 22.0 19.8 29.8
71 50.2 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 2.49 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion: 70 Resp: 5380
Ion Ratio Lower Upper
70 100
42 57.0 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



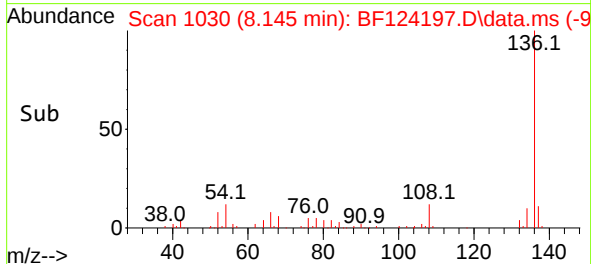
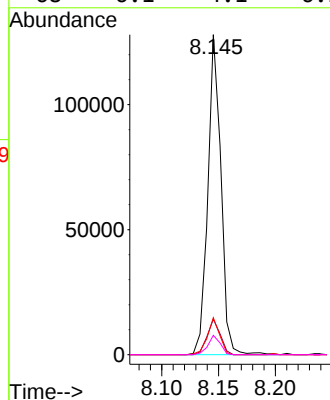
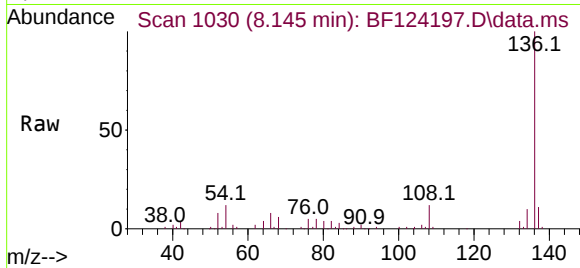


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

Tgt Ion:136 Resp: 102437

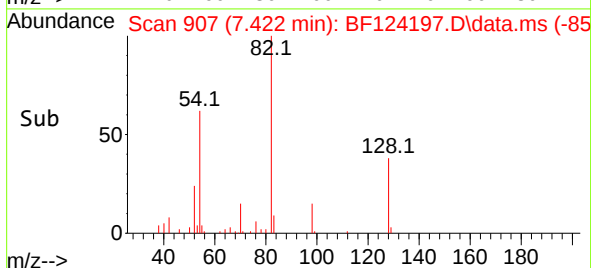
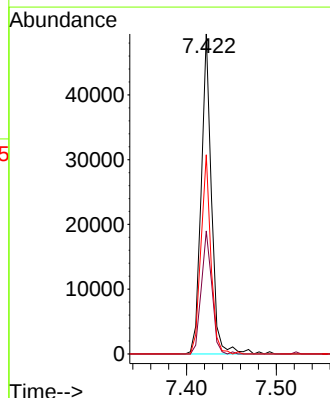
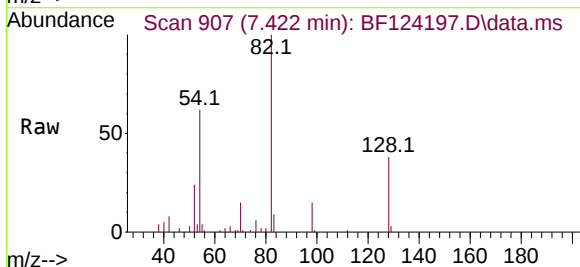
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	11.5	9.8	14.6
68	6.1	4.1	6.1

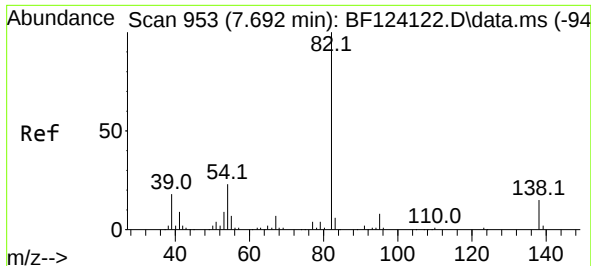


#23
Nitrobenzene-d5
Concen: 15.27 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion: 82 Resp: 39448

Ion	Ratio	Lower	Upper
82	100		
128	38.5	29.4	44.2
54	62.2	54.1	81.1

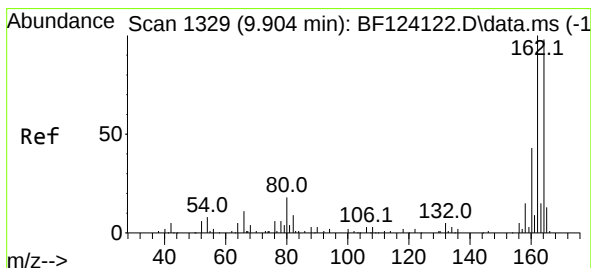
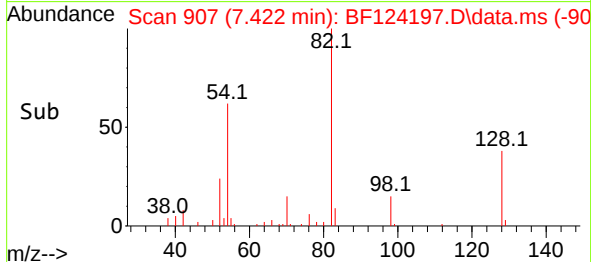
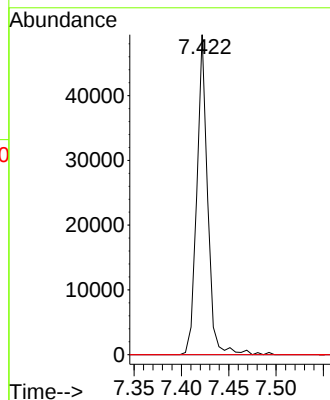
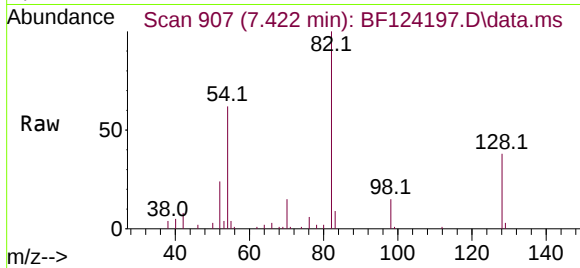




#25
Isophorone
Concen: 8.48 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.270 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

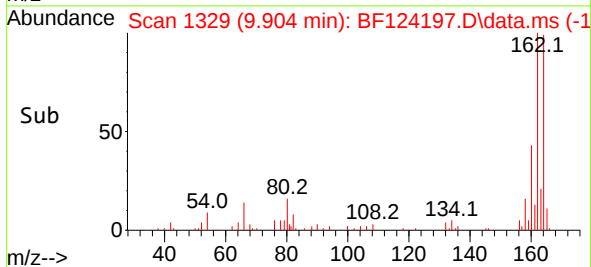
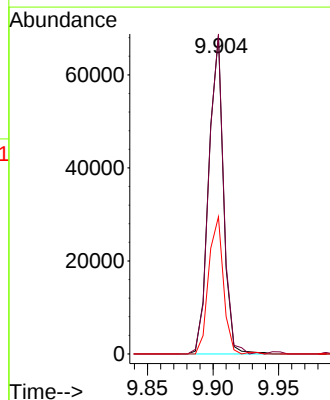
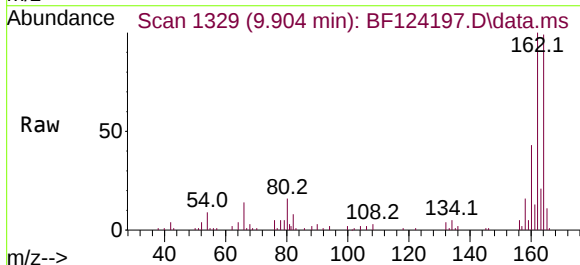
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

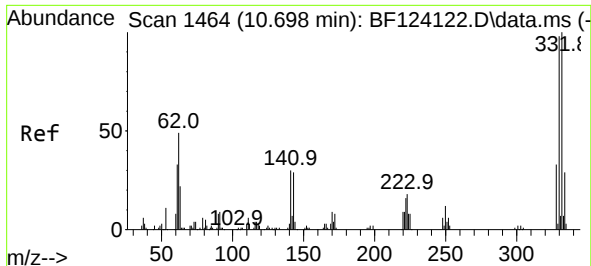
Tgt Ion: 82 Resp: 39448
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion: 164 Resp: 53320
Ion Ratio Lower Upper
164 100
162 100.5 80.7 121.1
160 43.1 37.3 55.9

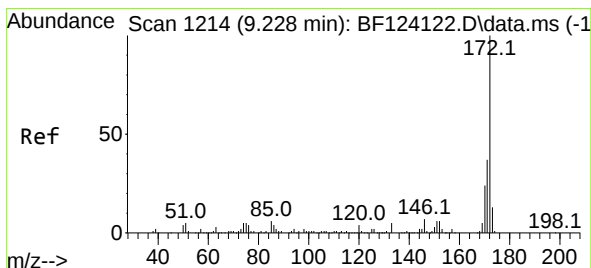
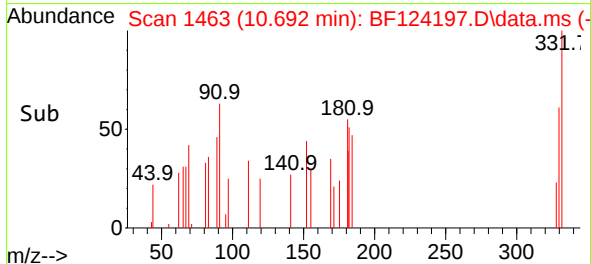
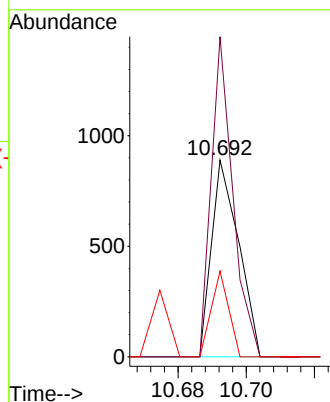
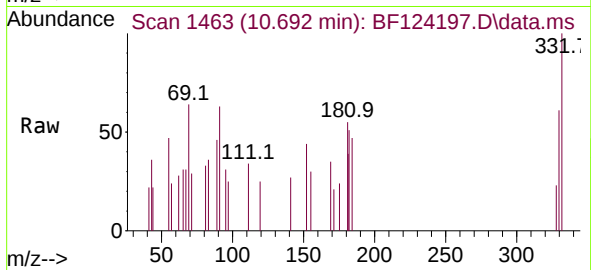




#42
2,4,6-Tribromophenol
Concen: 0.65 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

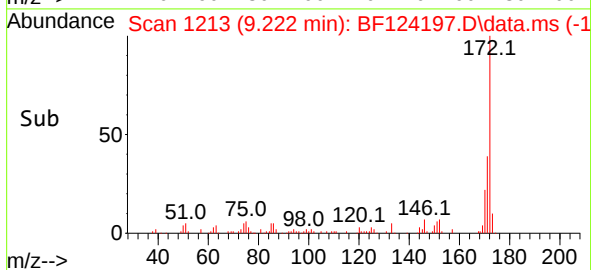
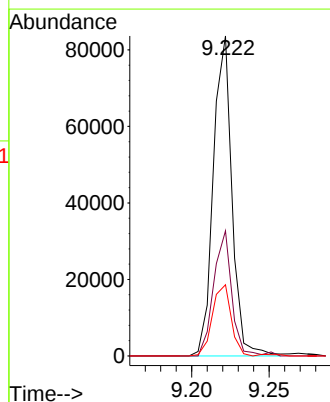
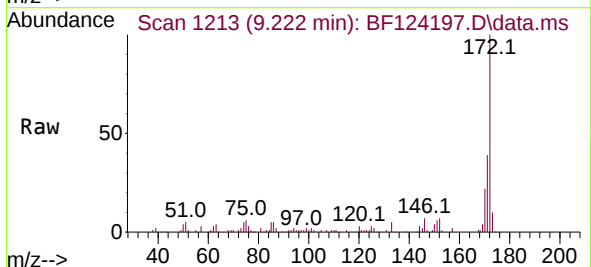
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

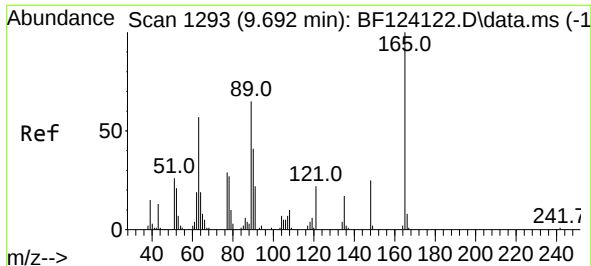
Tgt Ion: 330 Resp: 489
Ion Ratio Lower Upper
330 100
332 129.7 77.1 115.7#
141 28.0 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 16.51 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion: 172 Resp: 69956
Ion Ratio Lower Upper
172 100
171 39.1 28.1 42.1
170 22.2 19.2 28.8

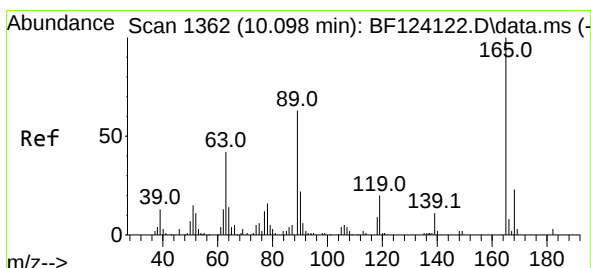
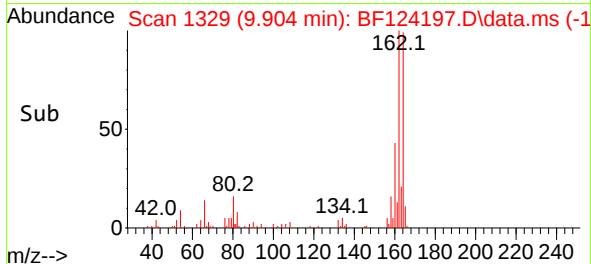
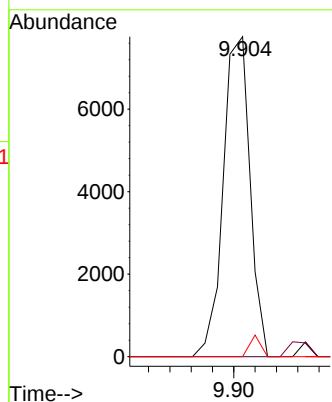
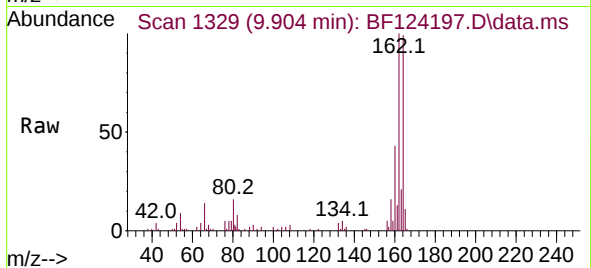




#51
2,6-Dinitrotoluene
Concen: 6.69 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

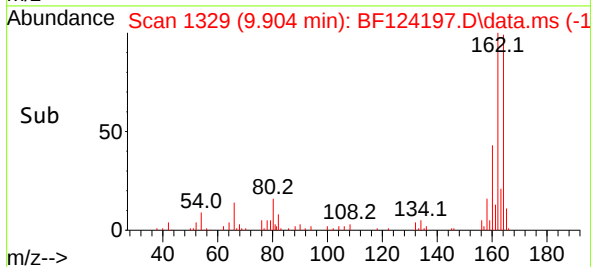
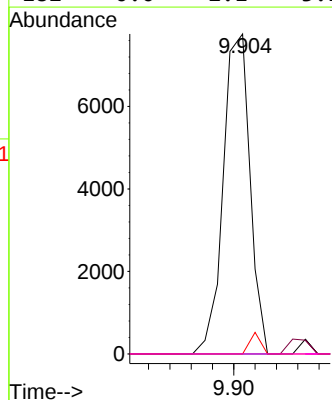
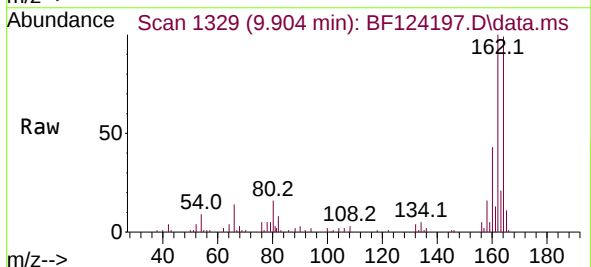
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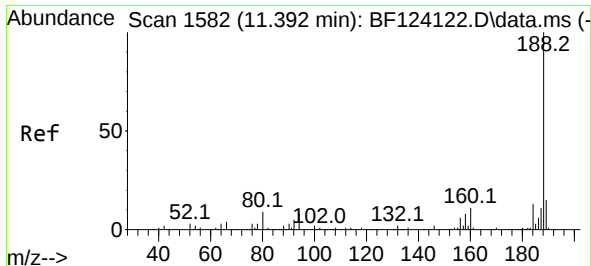
Tgt Ion:165 Resp: 6766
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.07 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion:165 Resp: 6766
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#

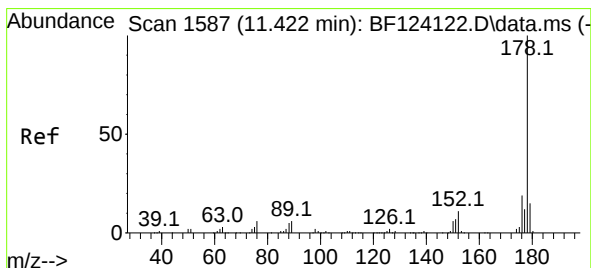
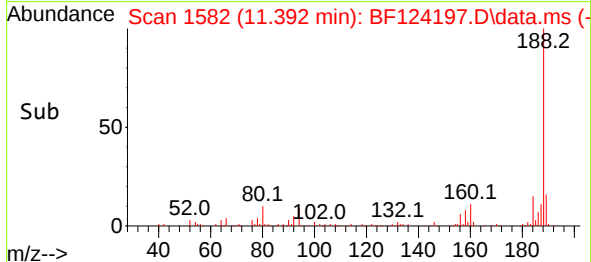
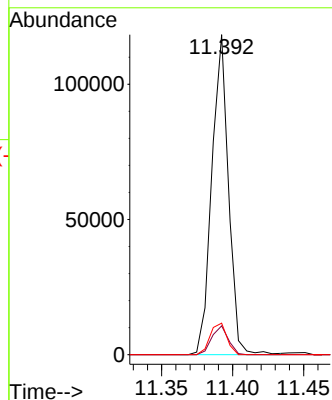
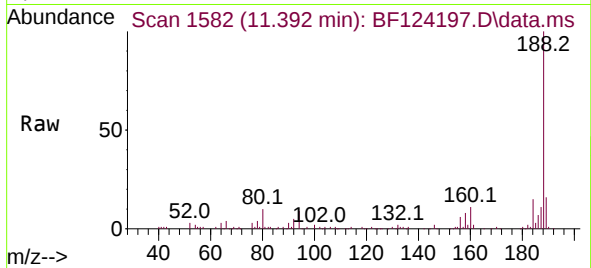




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

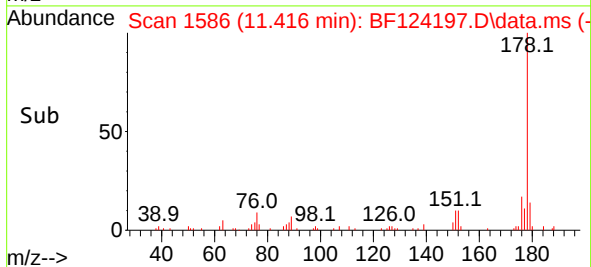
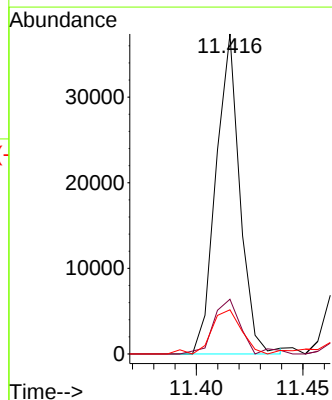
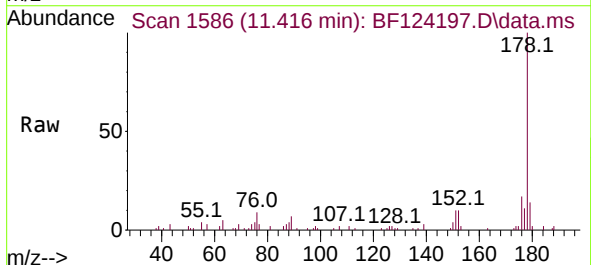
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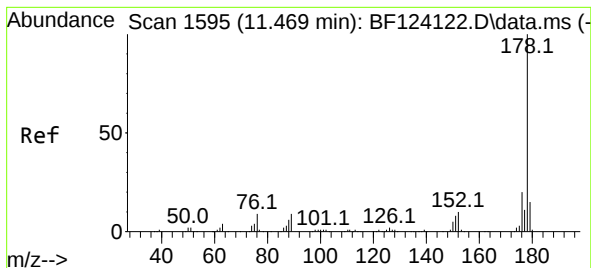
Tgt Ion:188 Resp: 96762
Ion Ratio Lower Upper
188 100
94 9.0 6.9 10.3
80 9.9 8.2 12.2



#71
Phenanthrene
Concen: 4.83 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion:178 Resp: 29195
Ion Ratio Lower Upper
178 100
176 17.1 15.6 23.4
179 13.8 12.5 18.7

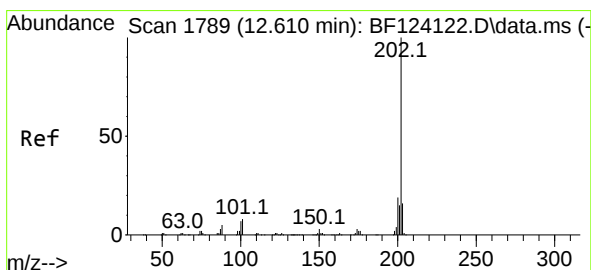
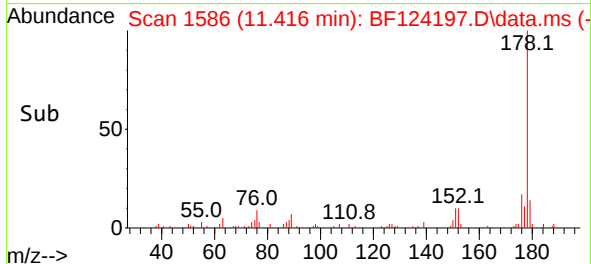
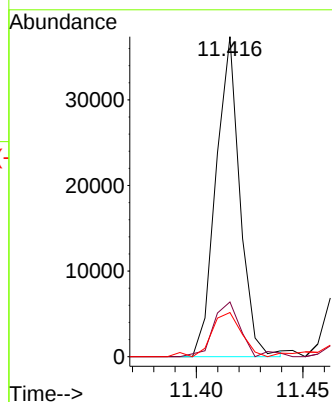
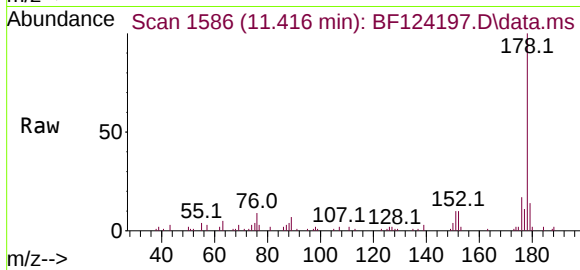




#72
 Anthracene
 Concen: 4.80 ng
 RT: 11.416 min Scan# 1586
 Delta R.T. -0.053 min
 Lab File: BF124197.D
 Acq: 9 Jun 2021 00:34

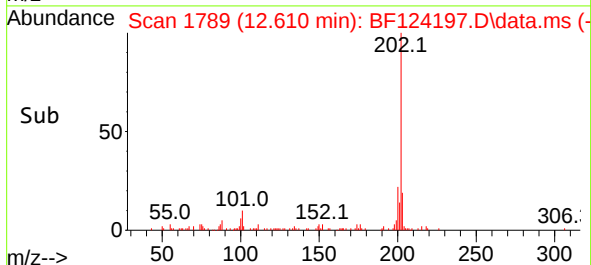
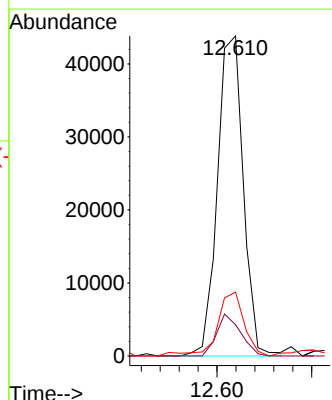
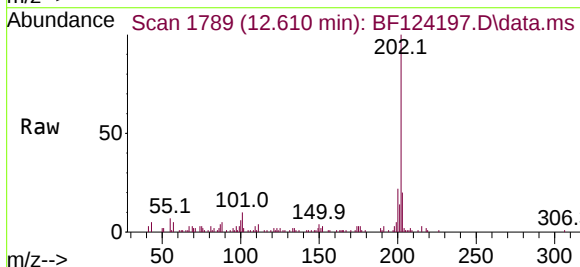
Instrument :
 BNA_F
 ClientSampleId :
 18-B12(2-4)RE

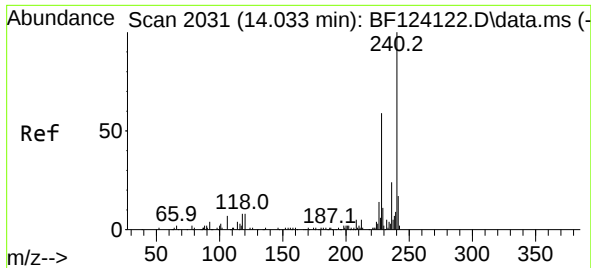
Tgt Ion:178 Resp: 29195
 Ion Ratio Lower Upper
 178 100
 176 17.1 15.4 23.0
 179 13.8 12.6 18.8



#75
 Fluoranthene
 Concen: 6.57 ng
 RT: 12.610 min Scan# 1789
 Delta R.T. 0.000 min
 Lab File: BF124197.D
 Acq: 9 Jun 2021 00:34

Tgt Ion:202 Resp: 41661
 Ion Ratio Lower Upper
 202 100
 101 9.8 0.0 30.9
 203 19.9 0.0 37.5

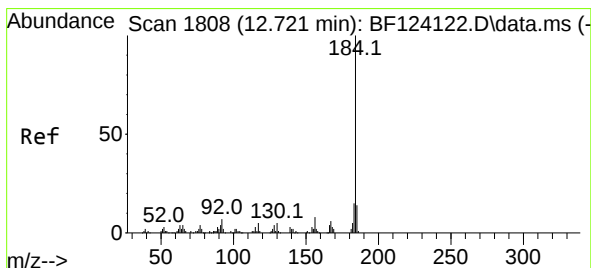
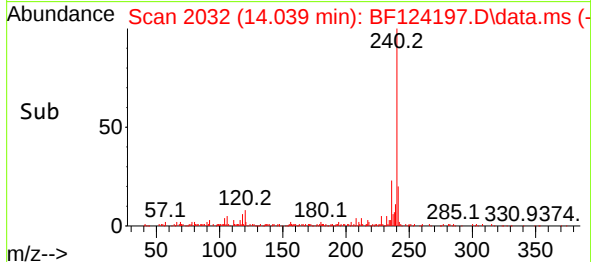
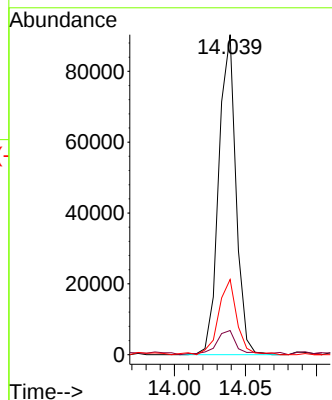
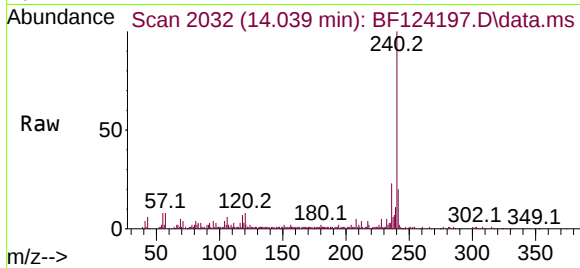




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

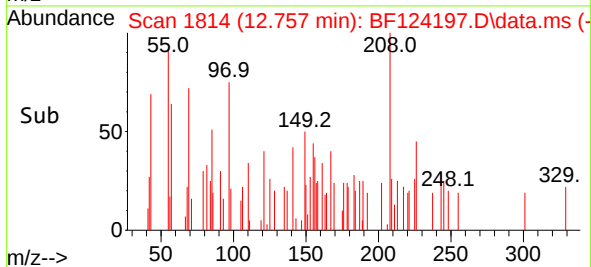
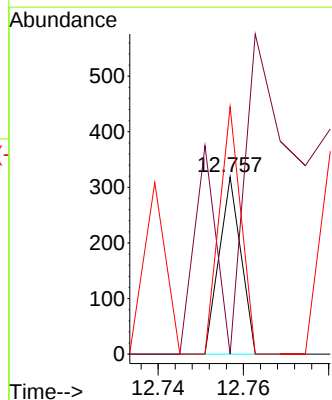
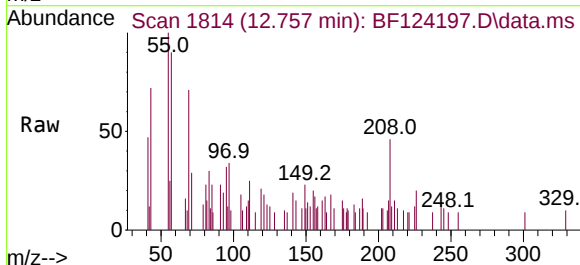
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

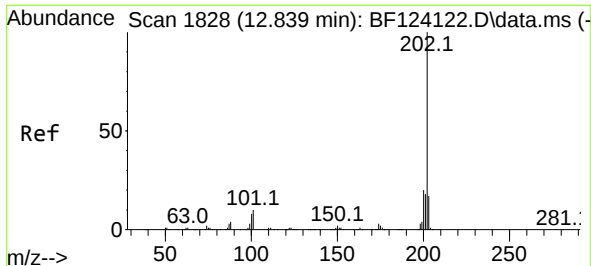
Tgt Ion:240 Resp: 75823
Ion Ratio Lower Upper
240 100
120 7.6 7.2 10.8
236 23.5 19.0 28.4



#77
Benzidine
Concen: 4.12 ng
RT: 12.757 min Scan# 1814
Delta R.T. 0.036 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion:184 Resp: 113
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 139.5 7.8 11.8#

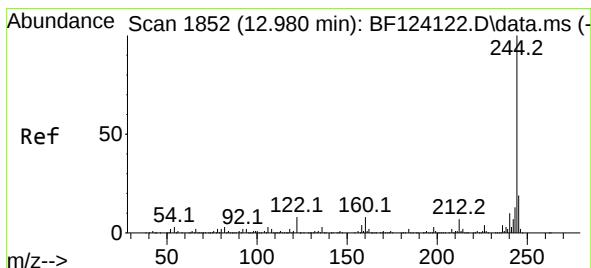
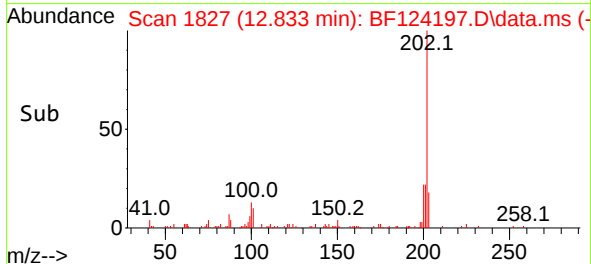
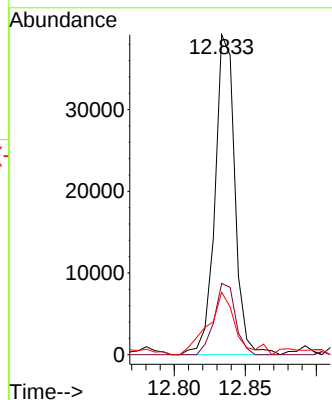
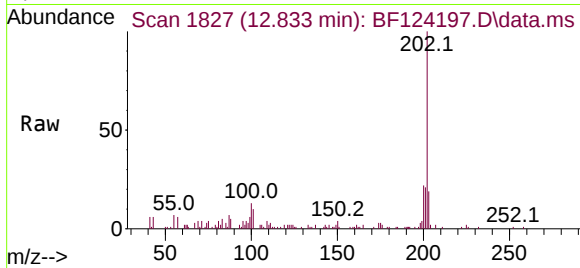




#78
Pyrene
Concen: 5.22 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

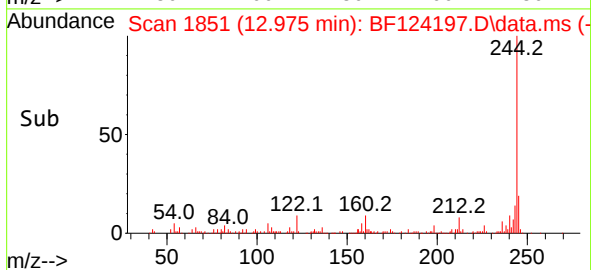
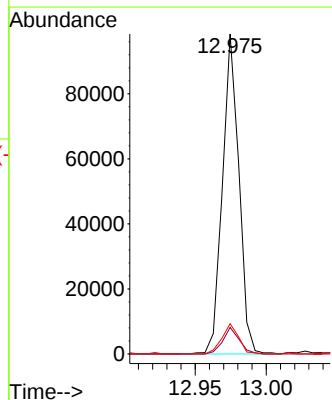
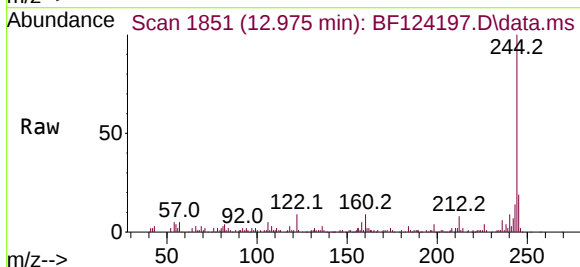
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

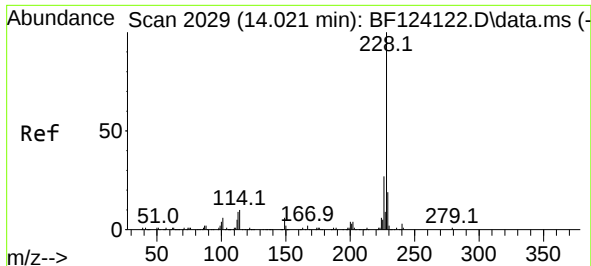
Tgt Ion:202 Resp: 38037
Ion Ratio Lower Upper
202 100
200 22.3 16.1 24.1
203 19.5 14.8 22.2



#79
Terphenyl-d14
Concen: 14.32 ng
RT: 12.975 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion:244 Resp: 79075
Ion Ratio Lower Upper
244 100
212 8.3 5.7 8.5
122 9.5 9.7 14.5#

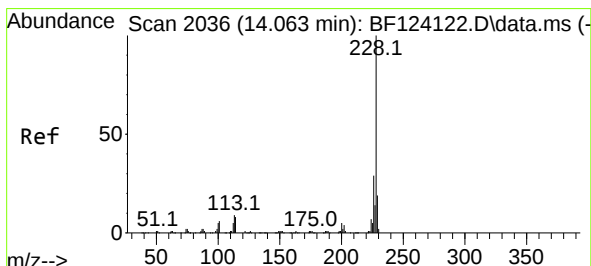
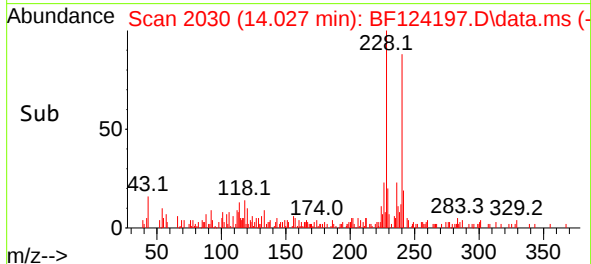
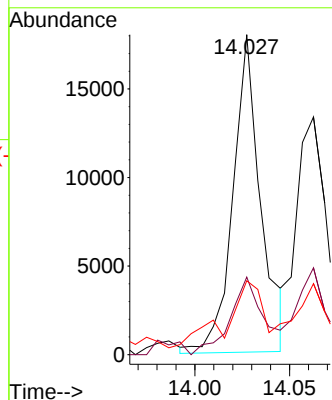
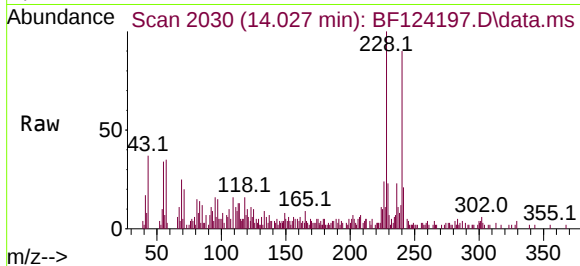




#81
Benzo(a)anthracene
Concen: 3.31 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

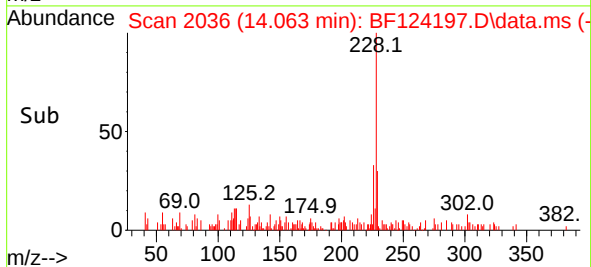
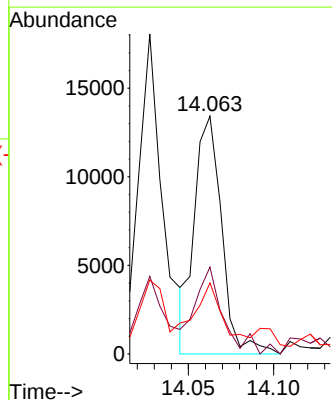
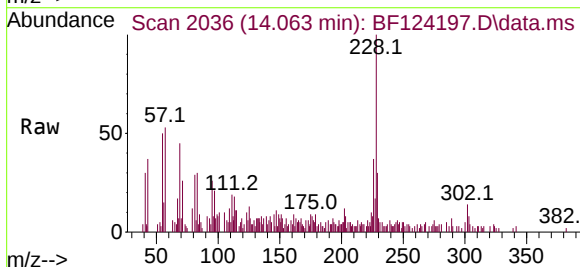
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

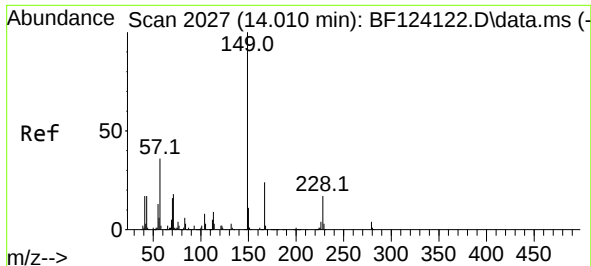
Tgt Ion:228	Resp:	18279
Ion Ratio	Lower	Upper
228	100	
226	24.3	22.4 33.6
229	23.1	16.0 24.0



#83
Chrysene
Concen: 2.80 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion:228	Resp:	14922
Ion Ratio	Lower	Upper
228	100	
226	36.5	24.3 36.5#
229	29.9	16.2 24.2#

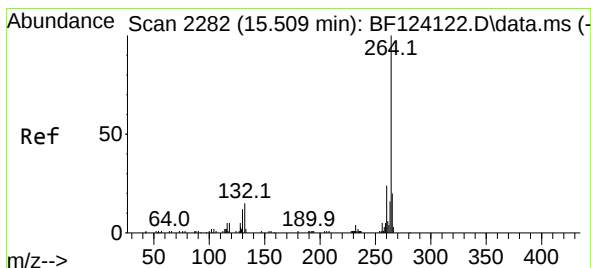
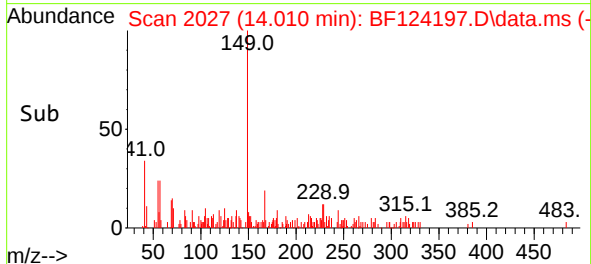
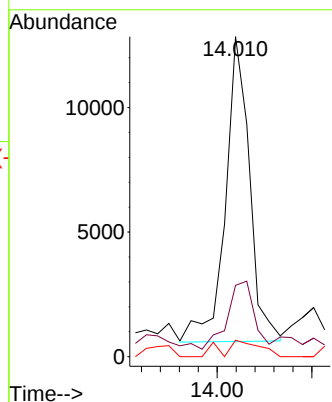
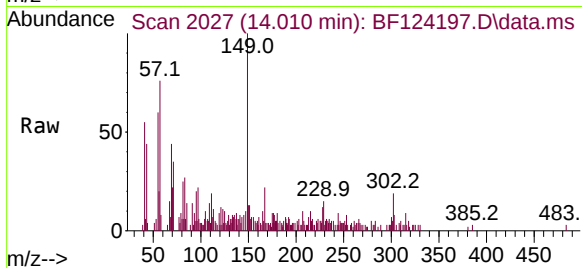




#84
Bis(2-ethylhexyl)phthalate
Concen: 3.08 ng
RT: 14.010 min Scan# 2027
Delta R.T. 0.000 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

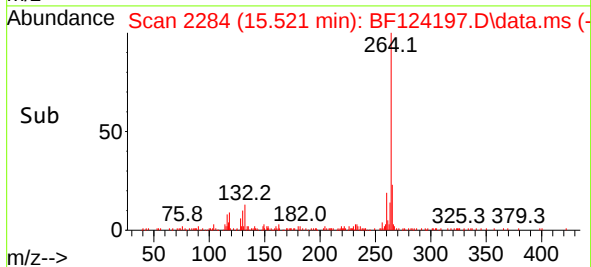
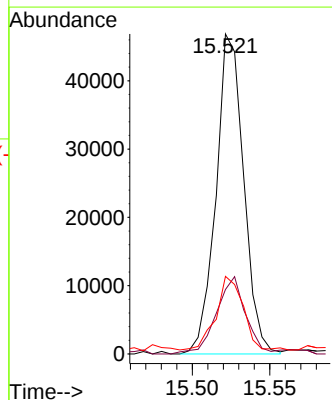
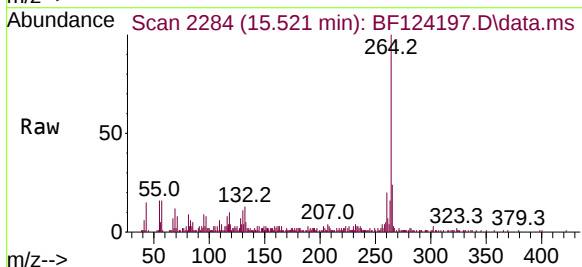
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

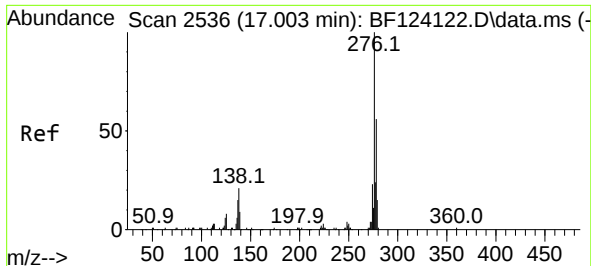
Tgt Ion:149 Resp: 10819
Ion Ratio Lower Upper
149 100
167 22.3 21.8 32.6
279 5.1 3.3 4.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.521 min Scan# 2284
Delta R.T. 0.012 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion:264 Resp: 58305
Ion Ratio Lower Upper
264 100
260 20.1 18.7 28.1
265 24.2 17.8 26.8

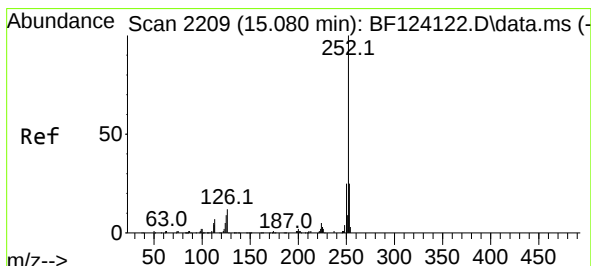
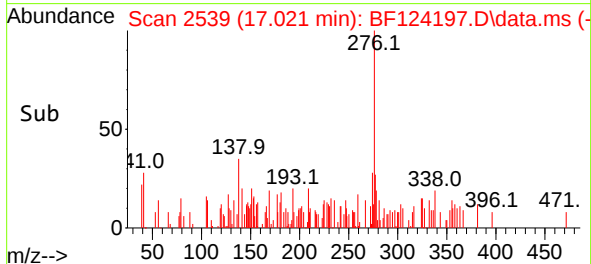
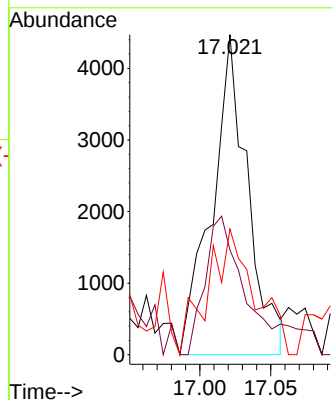
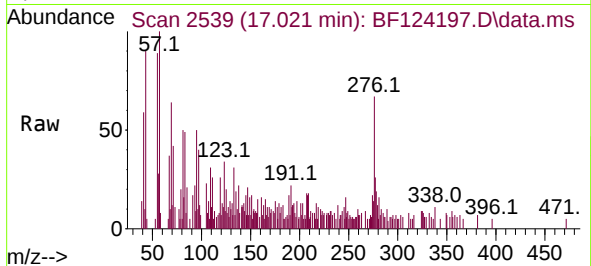




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.80 ng
RT: 17.021 min Scan# 2539
Delta R.T. 0.018 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

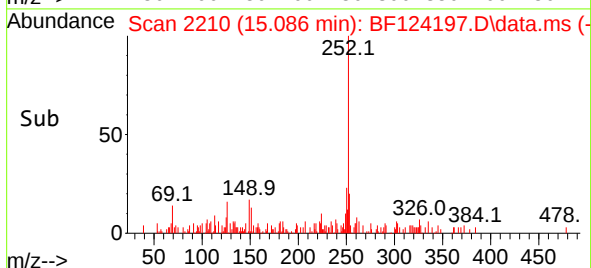
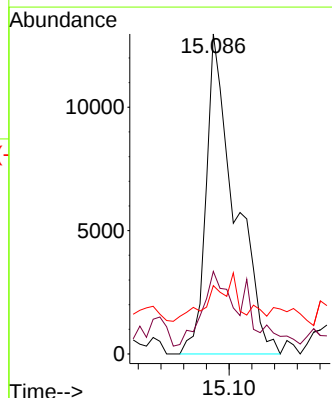
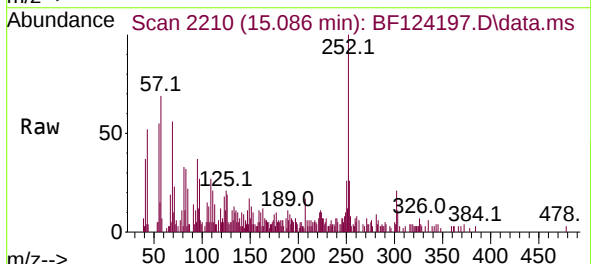
Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

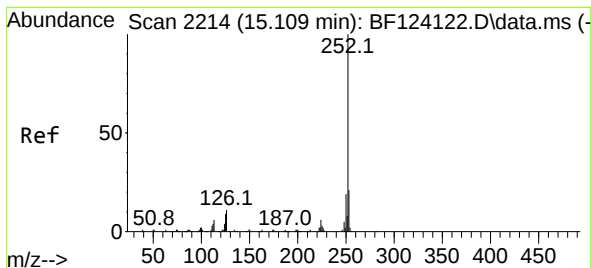
Tgt Ion:276 Resp: 7834
Ion Ratio Lower Upper
276 100
138 54.1 16.2 24.2#
277 51.2 20.1 30.1#



#88
Benzo(b)fluoranthene
Concen: 5.01 ng
RT: 15.086 min Scan# 2210
Delta R.T. 0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion:252 Resp: 22694
Ion Ratio Lower Upper
252 100
253 25.8 18.1 27.1
125 21.4 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 5.29 ng

RT: 15.086 min Scan# 2210

Delta R.T. -0.023 min

Lab File: BF124197.D

Acq: 9 Jun 2021 00:34

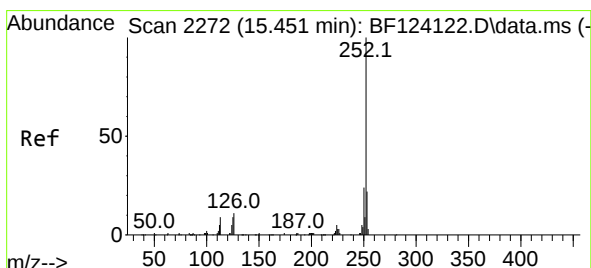
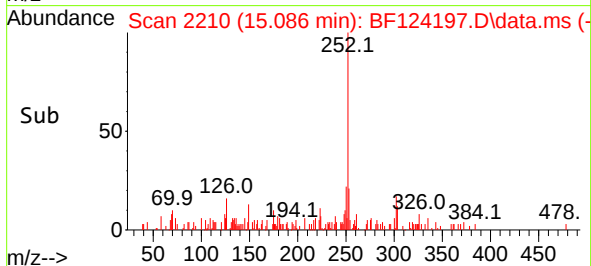
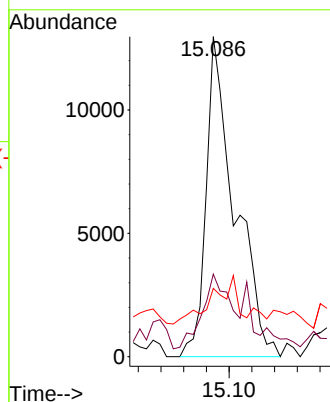
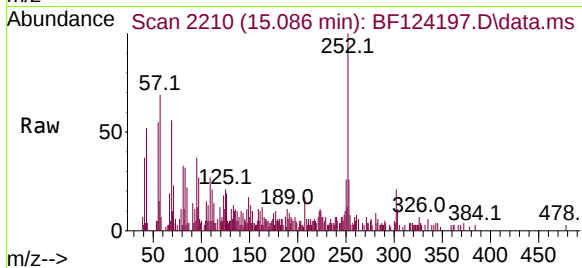
Tgt Ion:	252	Resp:	22694
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.9	26.9
125	21.4	7.0	10.6#

Instrument :

BNA_F

ClientSampleId :

18-B12(2-4)RE



#90

Benzo(a)pyrene

Concen: 3.03 ng

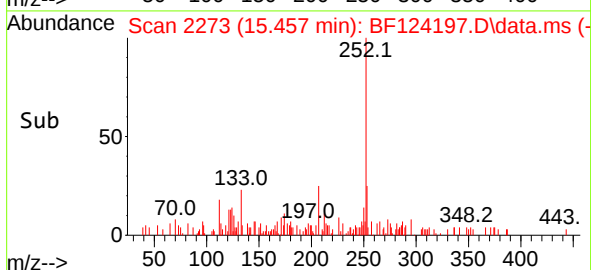
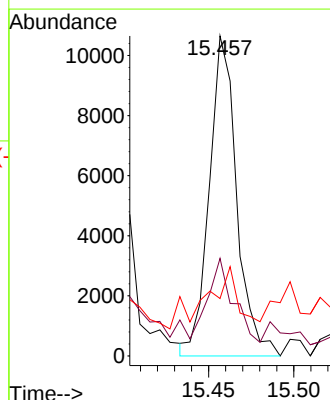
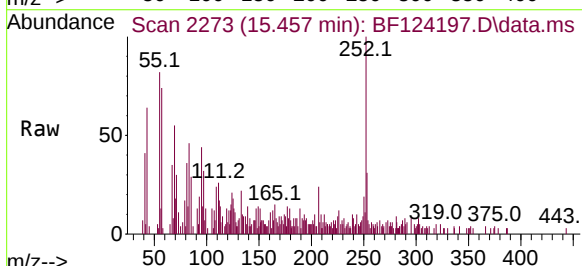
RT: 15.457 min Scan# 2273

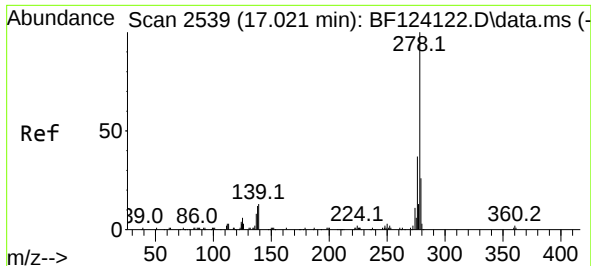
Delta R.T. 0.006 min

Lab File: BF124197.D

Acq: 9 Jun 2021 00:34

Tgt Ion:	252	Resp:	11913
Ion Ratio	Lower	Upper	
252	100		
253	30.5	18.4	27.6#
125	17.9	8.0	12.0#

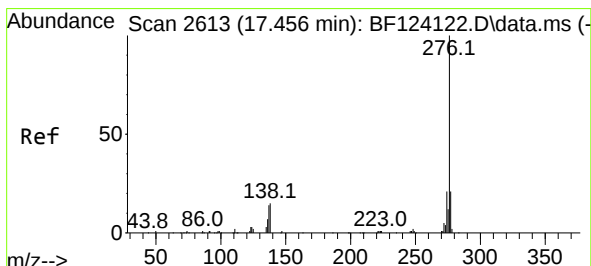
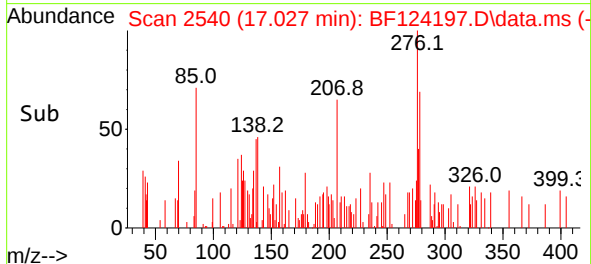
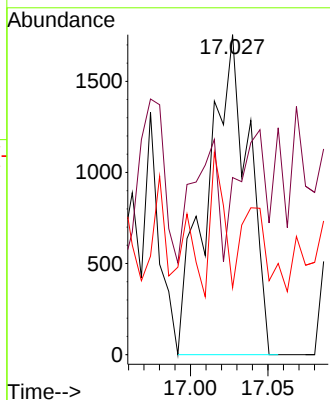
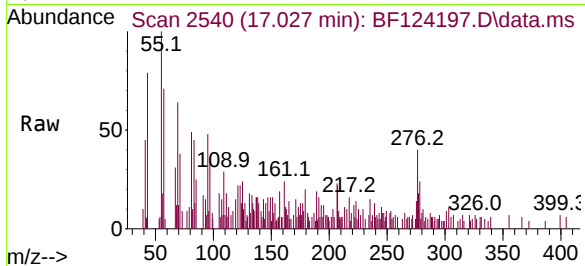




#91
Dibenzo(a,h)anthracene
Concen: 4.89 ng
RT: 17.027 min Scan# 2540
Delta R.T. 0.006 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Instrument :
BNA_F
ClientSampleId :
18-B12(2-4)RE

Tgt Ion:278 Resp: 3244
Ion Ratio Lower Upper
278 100
139 55.4 10.2 15.2#
279 20.9 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 5.47 ng
RT: 17.480 min Scan# 2617
Delta R.T. 0.024 min
Lab File: BF124197.D
Acq: 9 Jun 2021 00:34

Tgt Ion:276 Resp: 7390
Ion Ratio Lower Upper
276 100
277 30.2 18.2 27.2#
138 30.8 13.8 20.6#

