

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060721\
 Data File : BF124170.D
 Acq On : 7 Jun 2021 22:36
 Operator : JU/CG
 Sample : M2589-16DL 50X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18-B11(4-6)DL

Quant Time: Jun 08 01:31:13 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)

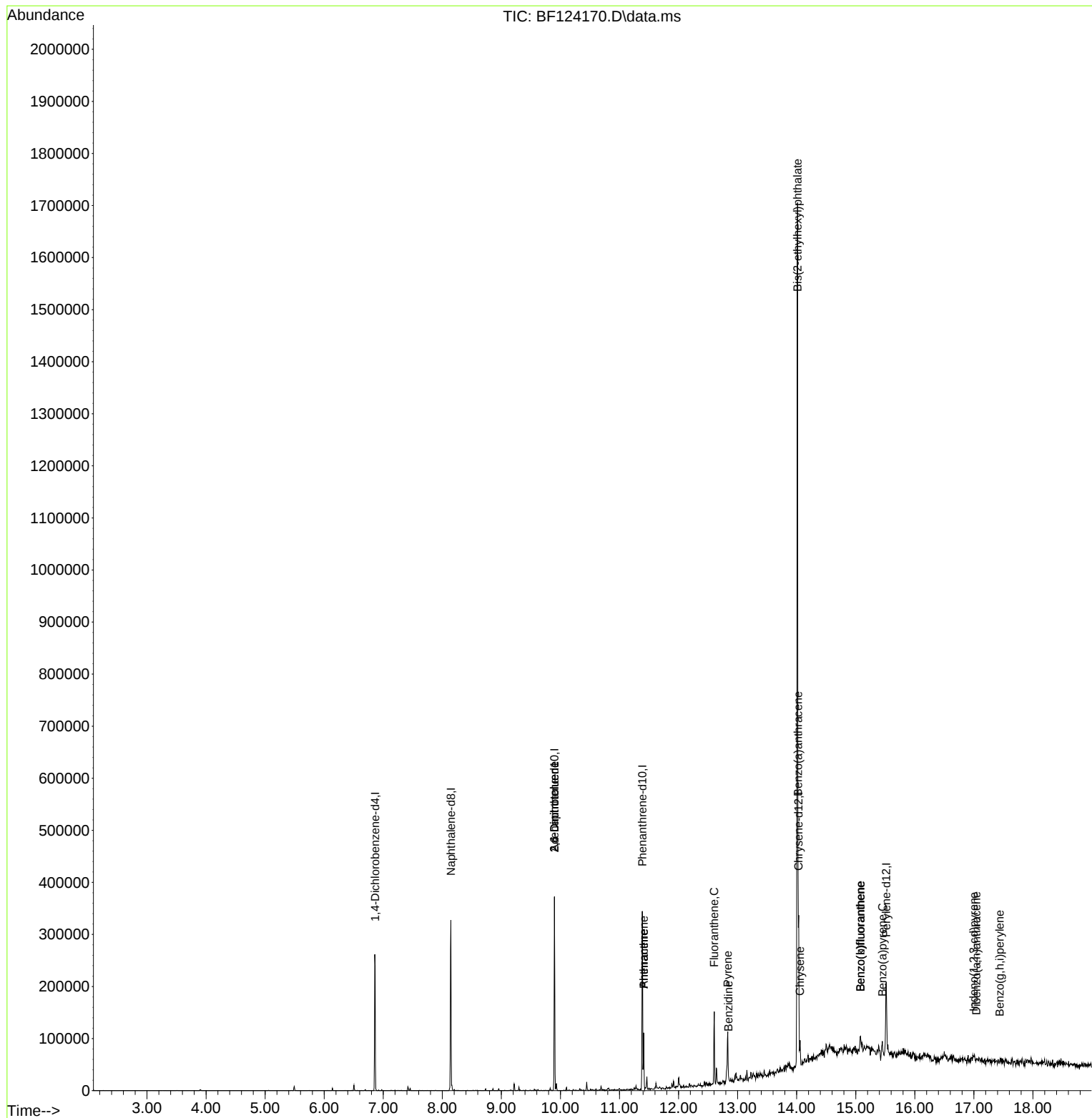
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	34062	20.00	ng	0.00
21) Naphthalene-d8	8.145	136	123327	20.00	ng	# 0.00
39) Acenaphthene-d10	9.898	164	61329	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	108874	20.00	ng	# 0.00
76) Chrysene-d12	14.033	240	80387	20.00	ng	0.00
86) Perylene-d12	15.515	264	54157	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	2625	1.16	ng	0.00
7) Phenol-d6	6.504	99	2989	0.98	ng	0.00
23) Nitrobenzene-d5	7.416	82	2829	0.91	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	789	0.91	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	4491	0.92	ng	-0.01
79) Terphenyl-d14	12.968	244	5155	0.88	ng	-0.01
Target Compounds						Qvalue
51) 2,6-Dinitrotoluene	9.898	165	9065	7.79	ng	# 11
57) 2,4-Dinitrotoluene	9.898	165	9065	5.91	ng	# 17
71) Phenanthrene	11.410	178	32190	4.73	ng	94
72) Anthracene	11.410	178	32190	4.70	ng	95
75) Fluoranthene	12.604	202	45588	6.39	ng	97
77) Benzidine	12.845	184	129	4.12	ng	# 68
78) Pyrene	12.833	202	37394	4.84	ng	95
81) Benzo(a)anthracene	14.021	228	17594	3.00	ng	93
83) Chrysene	14.057	228	14031	2.48	ng	# 89
84) Bis(2-ethylhexyl)phtha...	14.015	149	432058	115.99	ng	96
87) Indeno(1,2,3-cd)pyrene	16.998	276	4592	5.26	ng	# 65
88) Benzo(b)fluoranthene	15.080	252	19534	4.64	ng	# 85
89) Benzo(k)fluoranthene	15.080	252	19534	4.90	ng	# 86
90) Benzo(a)pyrene	15.451	252	9297	2.54	ng	# 89
91) Dibenzo(a,h)anthracene	17.045	278	106	4.20	ng	# 57
92) Benzo(g,h,i)perylene	17.439	276	5030	5.03	ng	# 52

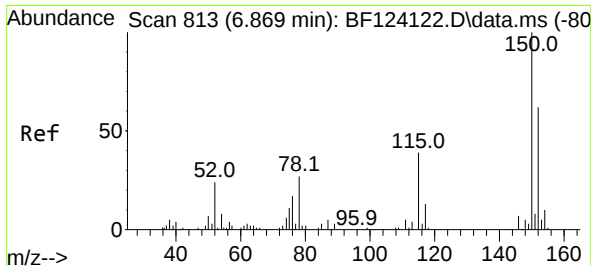
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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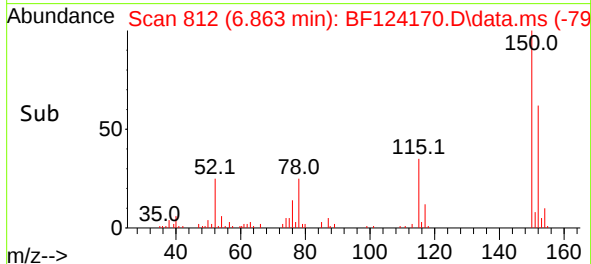
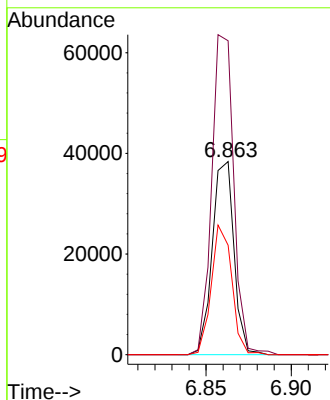
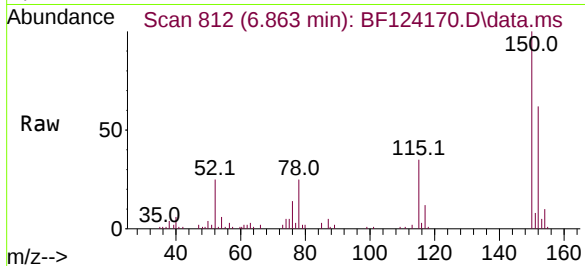




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

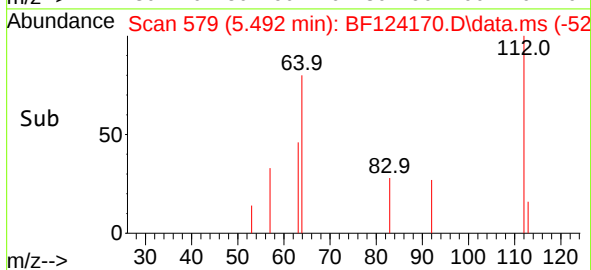
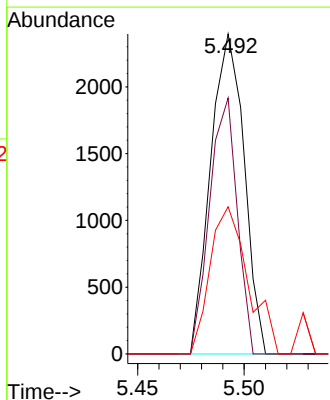
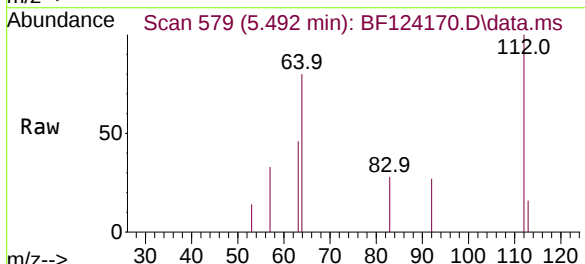
Instrument :
BNA_F
ClientSampleId :
18-B11(4-6)DL

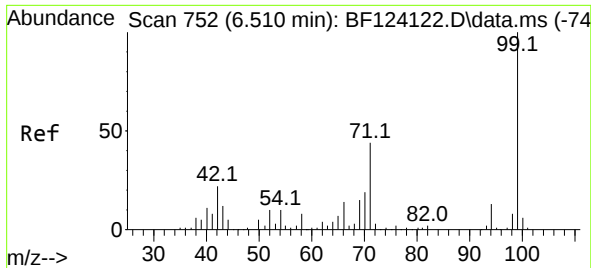
Tgt Ion:152 Resp: 34062
Ion Ratio Lower Upper
152 100
150 162.5 127.0 190.6
115 56.7 54.3 81.5



#5
2-Fluorophenol
Concen: 1.16 ng
RT: 5.492 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

Tgt Ion:112 Resp: 2625
Ion Ratio Lower Upper
112 100
64 80.0 61.4 92.0
63 46.0 33.0 49.4

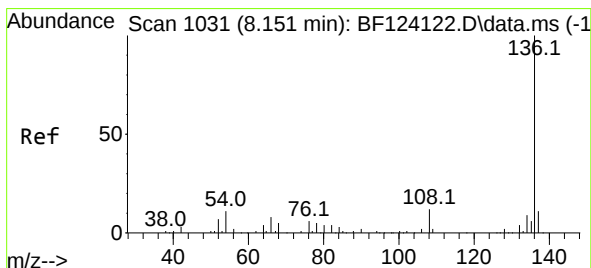
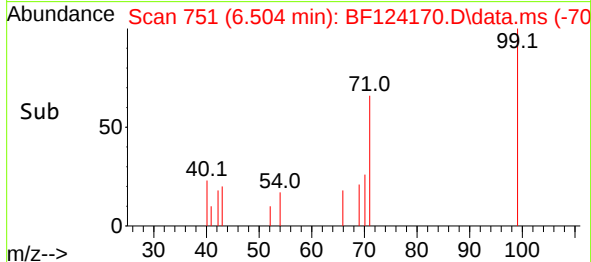
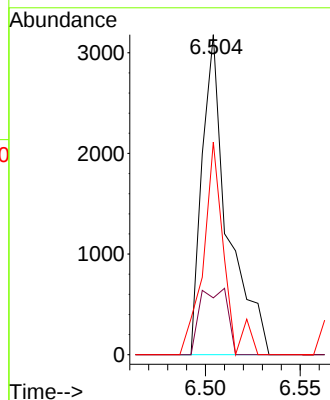
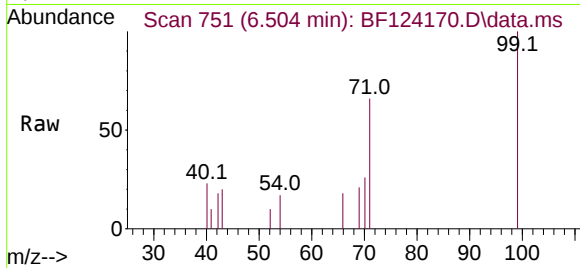




#7
Phenol-d6
Concen: 0.98 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

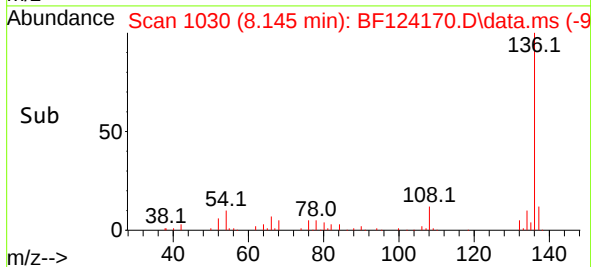
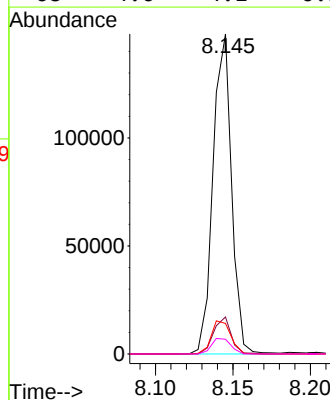
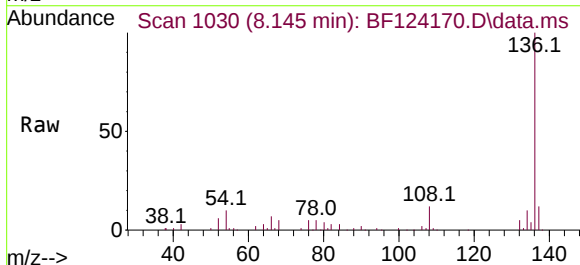
Instrument :
BNA_F
ClientSampleId :
18-B11(4-6)DL

Tgt Ion: 99 Resp: 2989
Ion Ratio Lower Upper
99 100
42 17.8 19.8 29.8#
71 66.4 31.1 46.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

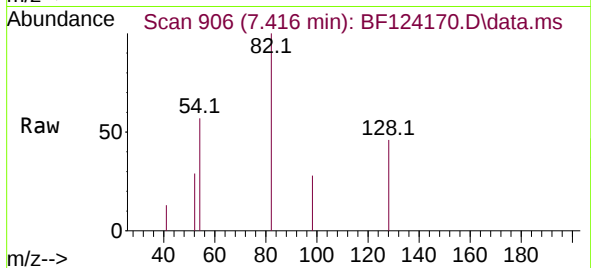
Tgt Ion: 136 Resp: 123327
Ion Ratio Lower Upper
136 100
137 11.6 8.7 13.1
54 9.6 9.8 14.6#
68 4.6 4.1 6.1



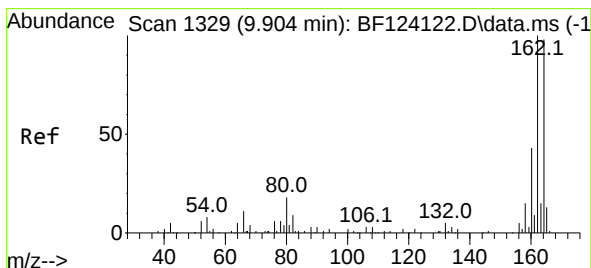
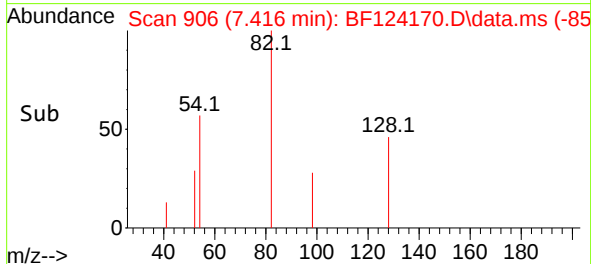
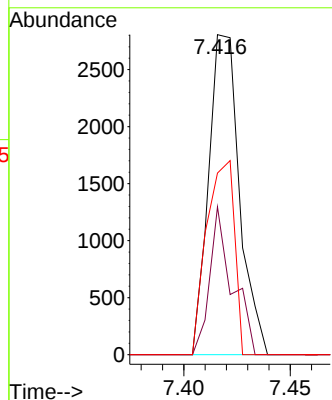


#23
Nitrobenzene-d5
Concen: 0.91 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.018 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

Instrument :
BNA_F
ClientSampleId :
18-B11(4-6)DL

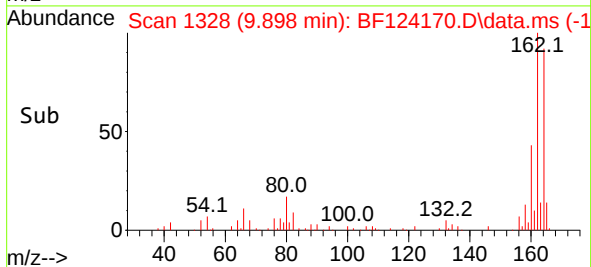
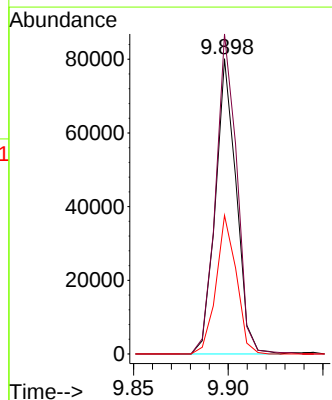
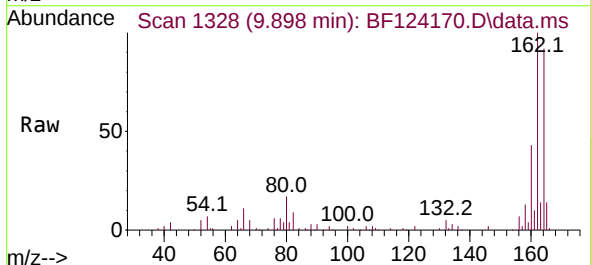


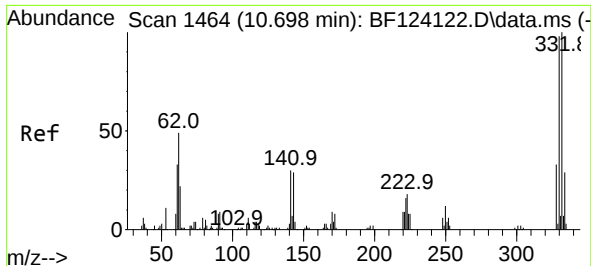
Tgt Ion: 82 Resp: 2829
Ion Ratio Lower Upper
82 100
128 46.2 29.4 44.2#
54 56.7 54.1 81.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

Tgt Ion: 164 Resp: 61329
Ion Ratio Lower Upper
164 100
162 108.4 80.7 121.1
160 47.0 37.3 55.9

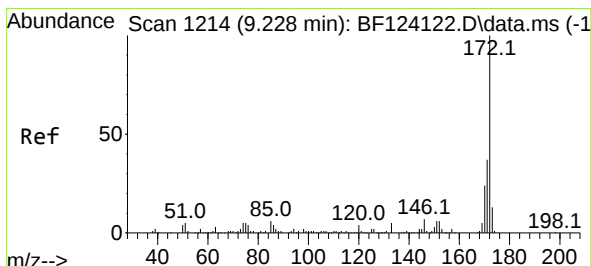
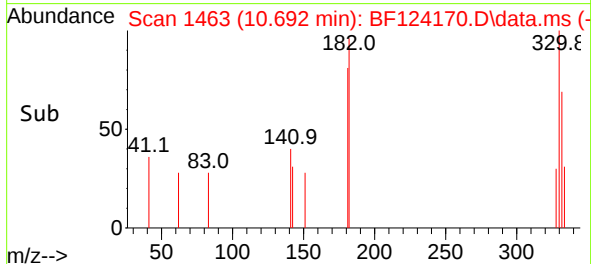
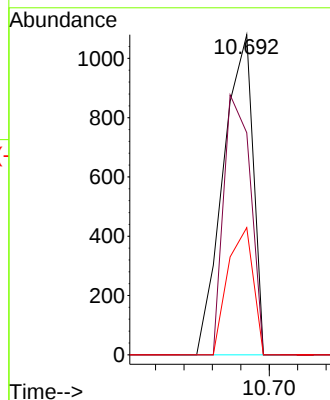
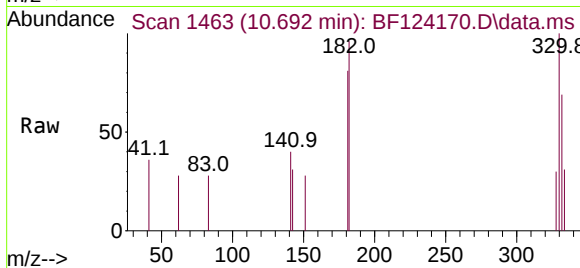




#42
2,4,6-Tribromophenol
Concen: 0.91 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

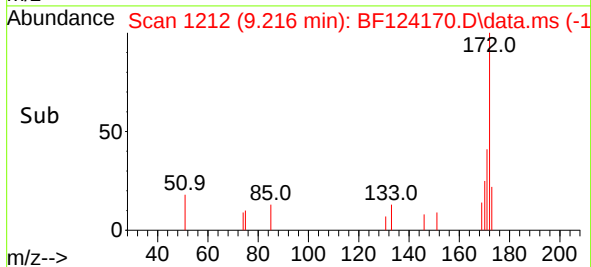
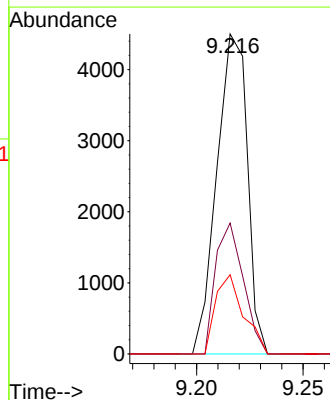
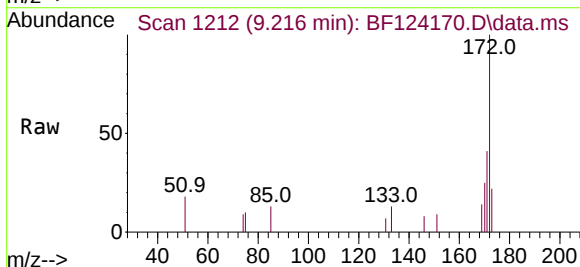
Instrument :
BNA_F
ClientSampleID :
18-B11(4-6)DL

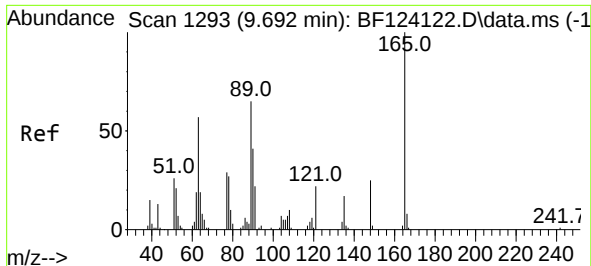
Tgt Ion:330 Resp: 789
Ion Ratio Lower Upper
330 100
332 72.8 77.1 115.7#
141 34.0 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 0.92 ng
RT: 9.216 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

Tgt Ion:172 Resp: 4491
Ion Ratio Lower Upper
172 100
171 40.9 28.1 42.1
170 24.7 19.2 28.8

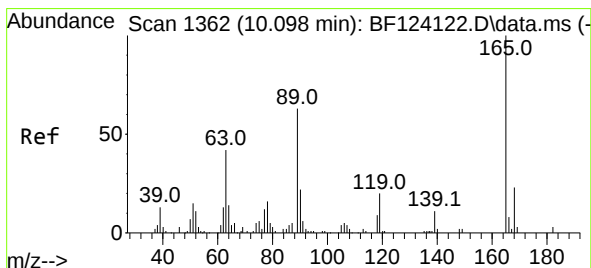
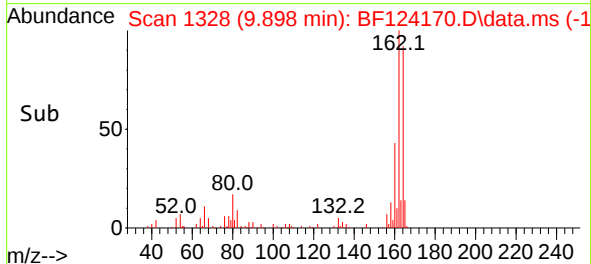
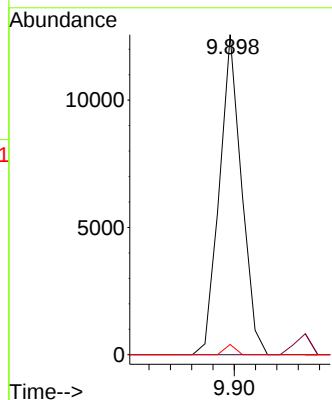
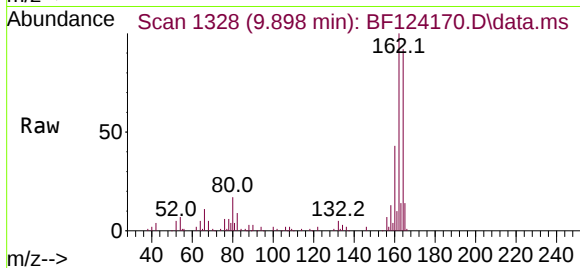




#51
2,6-Dinitrotoluene
Concen: 7.79 ng
RT: 9.898 min Scan# 1328
Delta R.T. 0.206 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

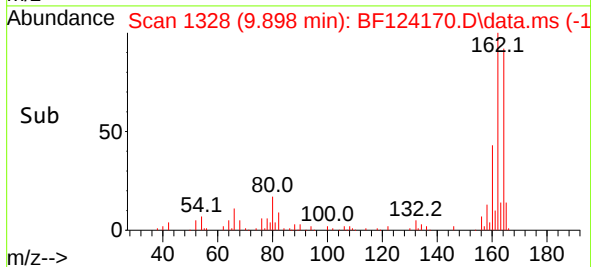
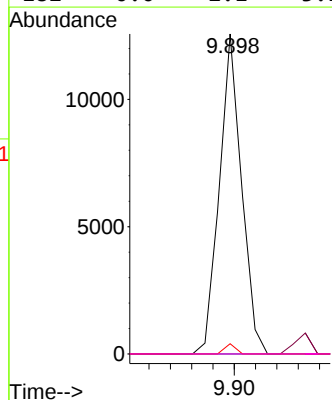
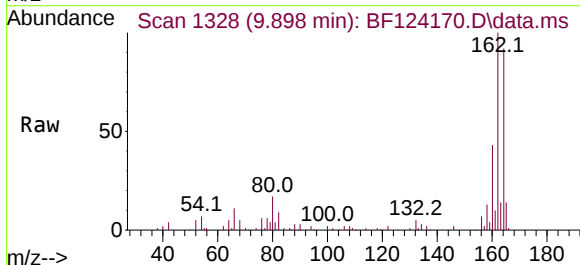
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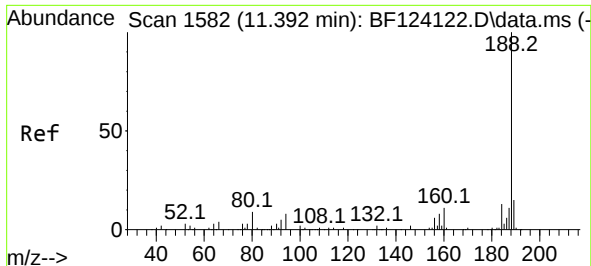
Tgt Ion:165 Resp: 9065
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 3.2 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.91 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.200 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

Tgt Ion:165 Resp: 9065
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 3.2 67.7 101.5#
182 0.0 2.1 3.1#

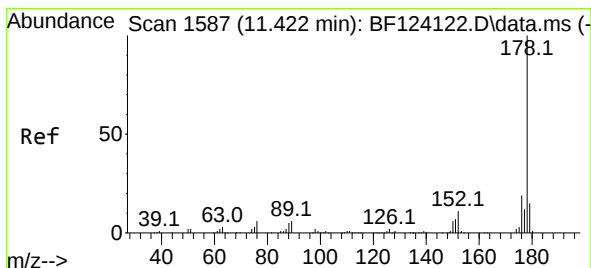
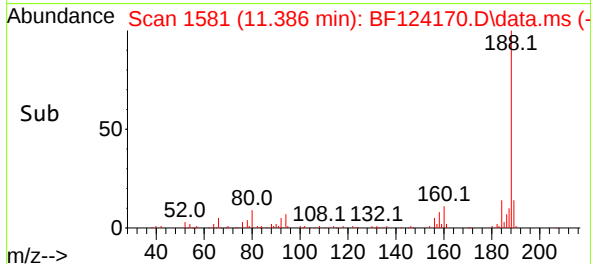
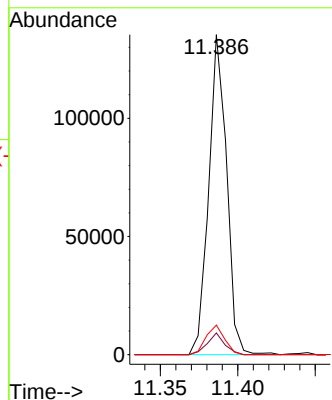
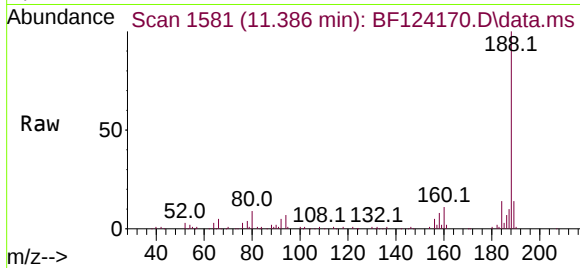




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

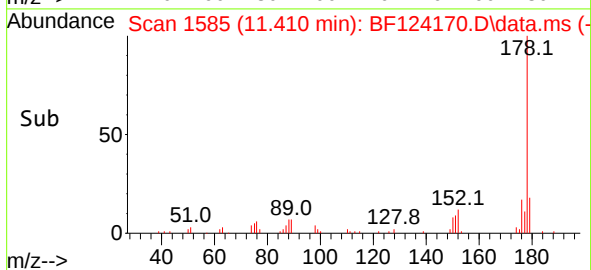
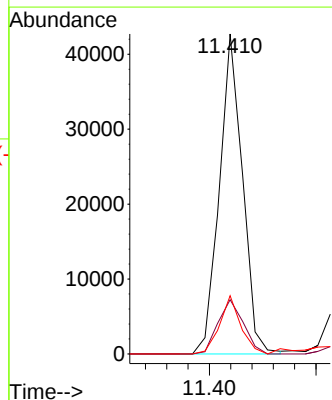
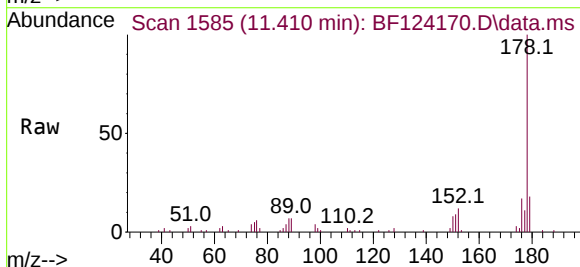
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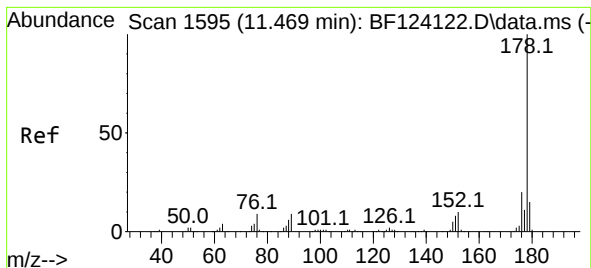
Tgt Ion:188 Resp: 108874
Ion Ratio Lower Upper
188 100
94 6.8 6.9 10.3#
80 9.3 8.2 12.2



#71
Phenanthrene
Concen: 4.73 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

Tgt Ion:178 Resp: 32190
Ion Ratio Lower Upper
178 100
176 16.9 15.6 23.4
179 18.2 12.5 18.7





#72

Anthracene

Concen: 4.70 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.059 min

Lab File: BF124170.D

Acq: 7 Jun 2021 22:36

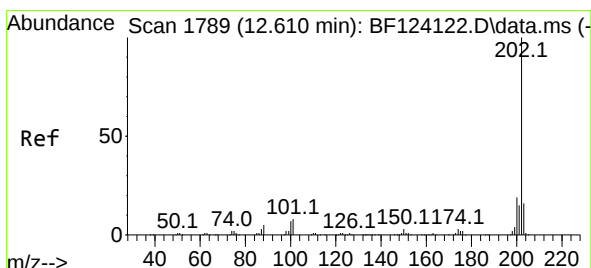
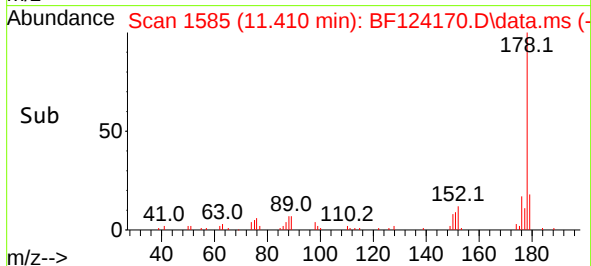
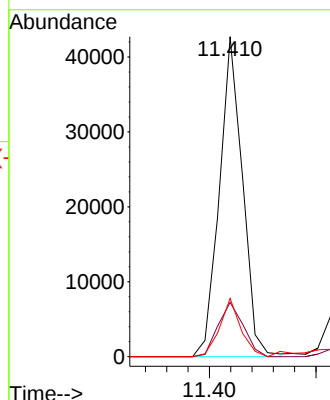
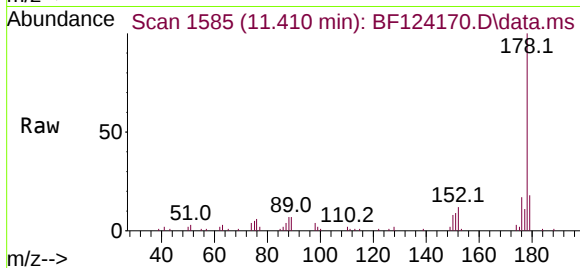
Tgt Ion:178 Resp: 32190

Ion Ratio Lower Upper

178 100

176 16.9 15.4 23.0

179 18.2 12.6 18.8



#75

Fluoranthene

Concen: 6.39 ng

RT: 12.604 min Scan# 1788

Delta R.T. -0.006 min

Lab File: BF124170.D

Acq: 7 Jun 2021 22:36

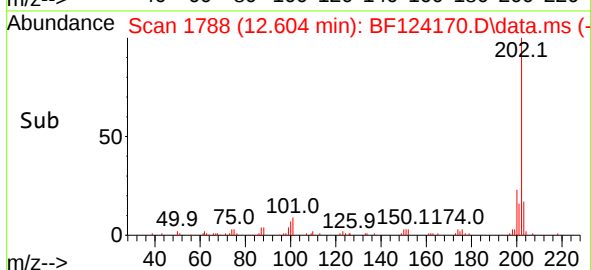
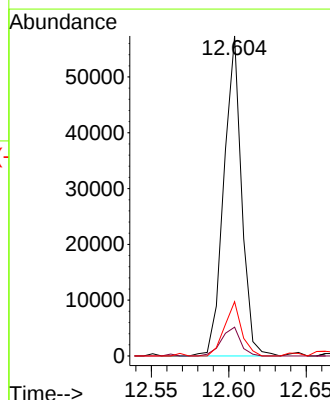
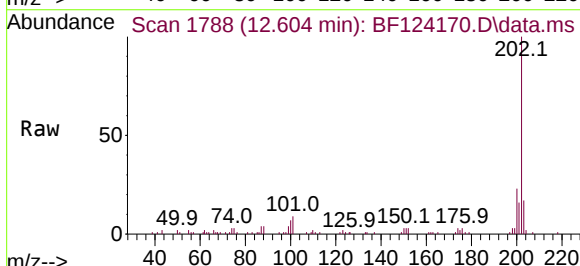
Tgt Ion:202 Resp: 45588

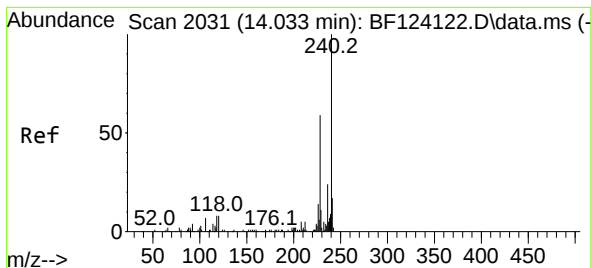
Ion Ratio Lower Upper

202 100

101 9.0 0.0 30.9

203 16.9 0.0 37.5

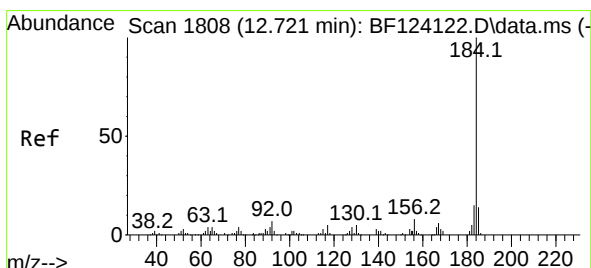
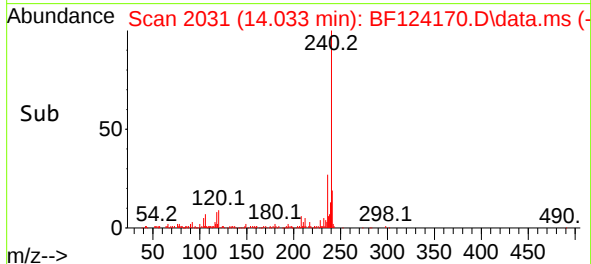
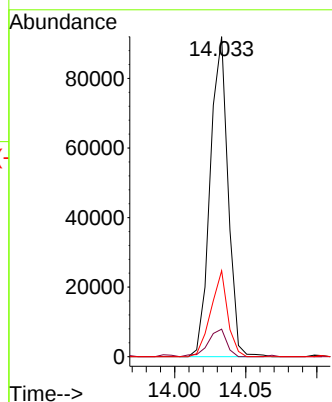
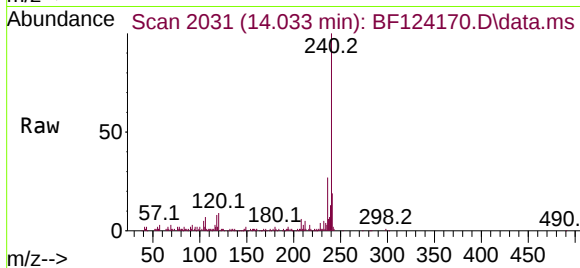




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

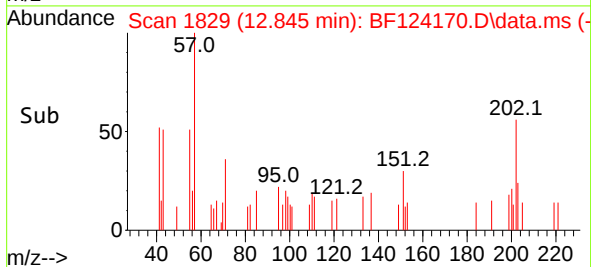
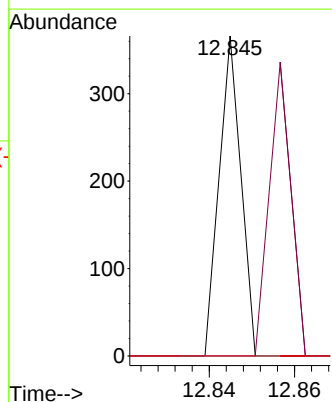
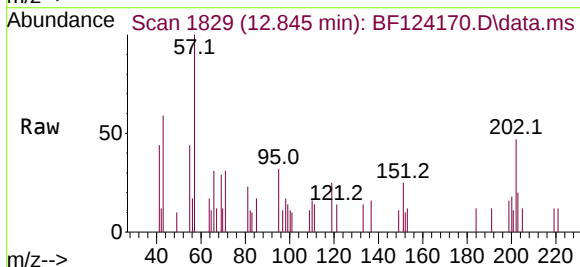
Instrument :
BNA_F
ClientSampleId :
18-B11(4-6)DL

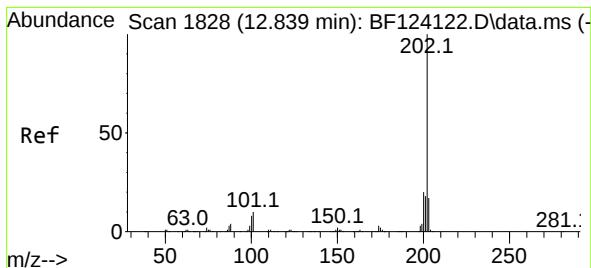
Tgt Ion:240 Resp: 80387
Ion Ratio Lower Upper
240 100
120 8.6 7.2 10.8
236 26.9 19.0 28.4



#77
Benzidine
Concen: 4.12 ng
RT: 12.845 min Scan# 1829
Delta R.T. 0.124 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

Tgt Ion:184 Resp: 129
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#





#78

Pyrene

Concen: 4.84 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF124170.D

Acq: 7 Jun 2021 22:36

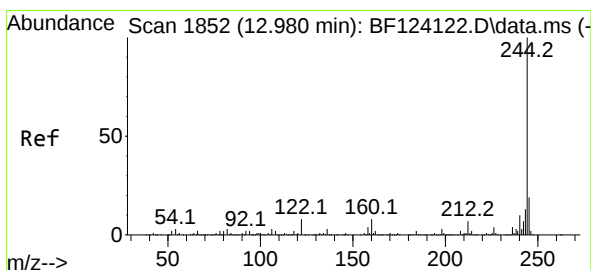
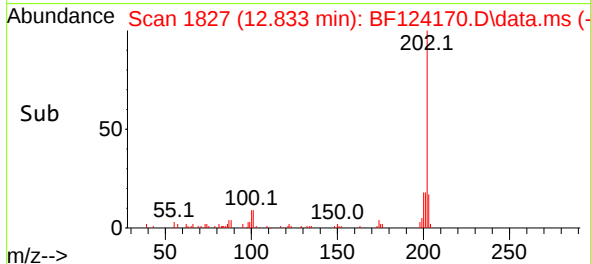
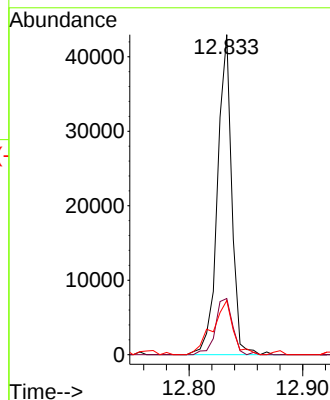
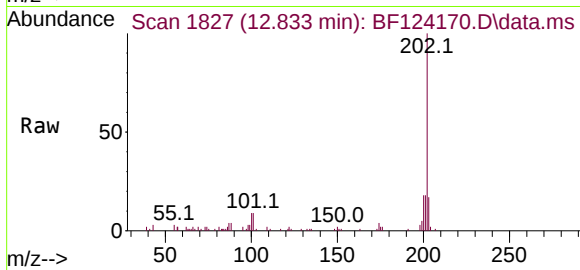
Tgt Ion:202 Resp: 37394

Ion Ratio Lower Upper

202 100

200 17.6 16.1 24.1

203 16.9 14.8 22.2



#79

Terphenyl-d14

Concen: 0.88 ng

RT: 12.968 min Scan# 1850

Delta R.T. -0.012 min

Lab File: BF124170.D

Acq: 7 Jun 2021 22:36

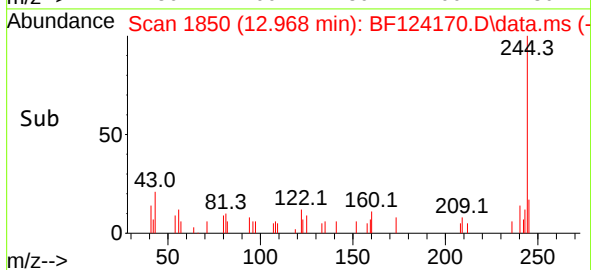
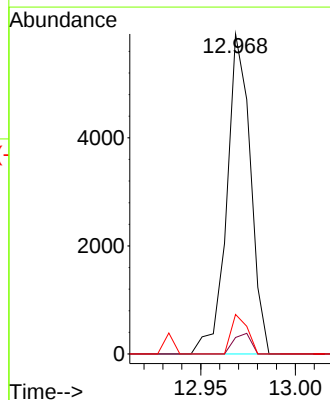
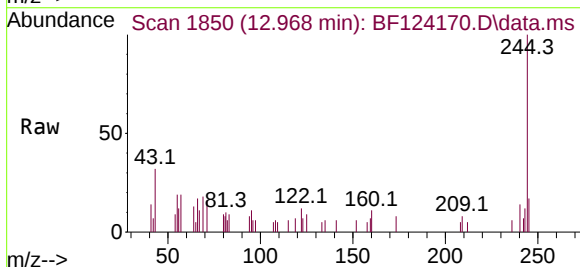
Tgt Ion:244 Resp: 5155

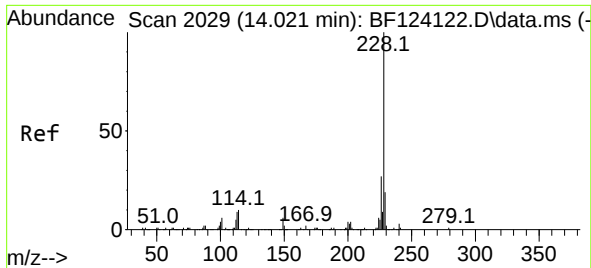
Ion Ratio Lower Upper

244 100

212 5.1 5.7 8.5#

122 12.3 9.7 14.5

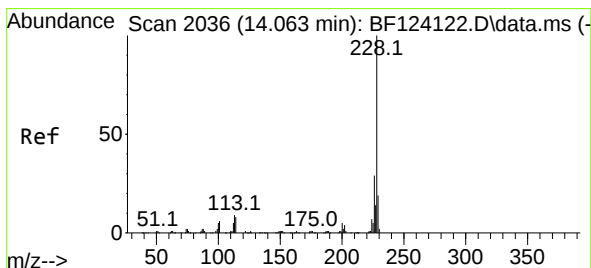
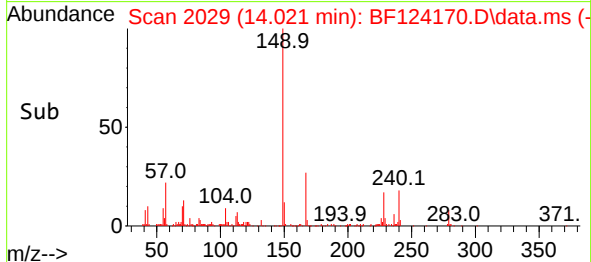
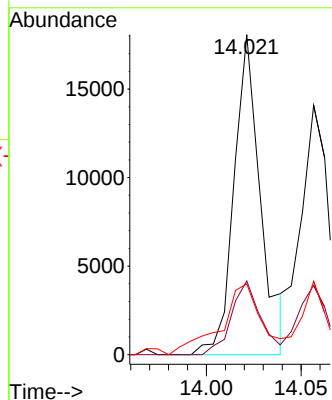
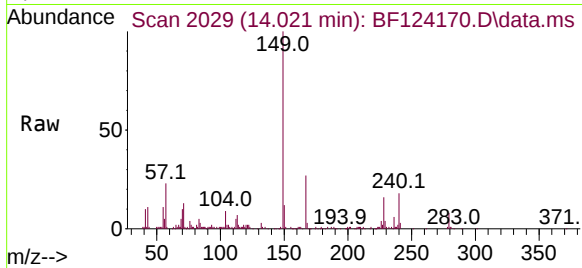




#81
Benzo(a)anthracene
Concen: 3.00 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

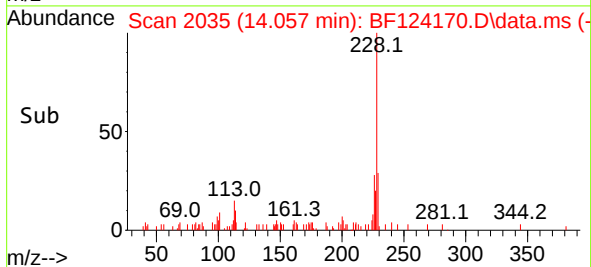
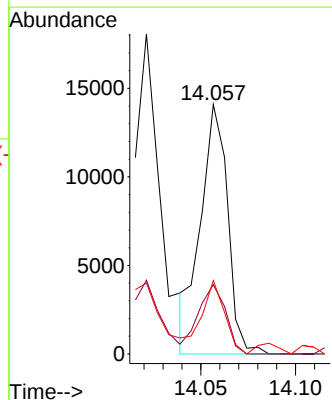
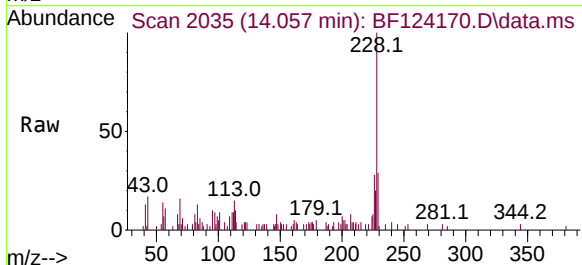
Instrument :
BNA_F
ClientSampleId :
18-B11(4-6)DL

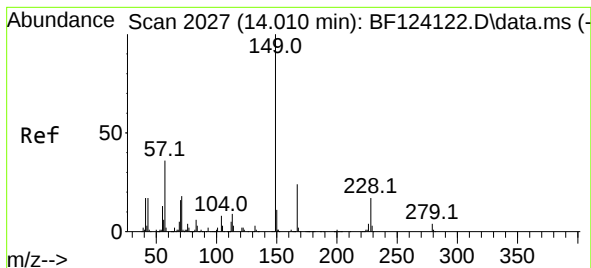
Tgt Ion:228 Resp: 17594
Ion Ratio Lower Upper
228 100
226 23.1 22.4 33.6
229 22.1 16.0 24.0



#83
Chrysene
Concen: 2.48 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

Tgt Ion:228 Resp: 14031
Ion Ratio Lower Upper
228 100
226 27.8 24.3 36.5
229 29.4 16.2 24.2#

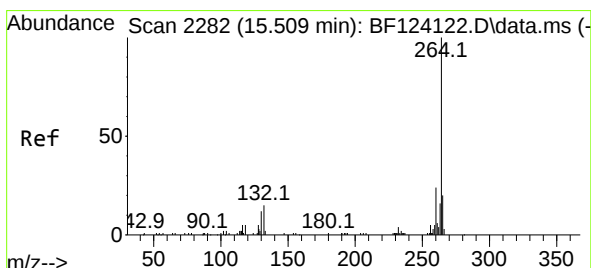
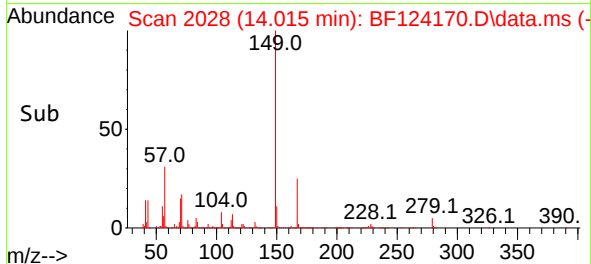
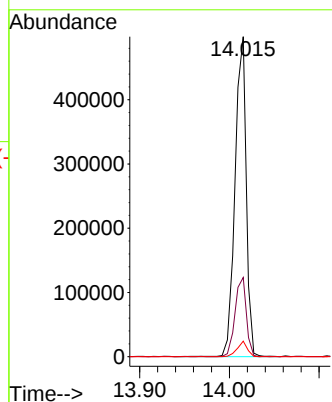
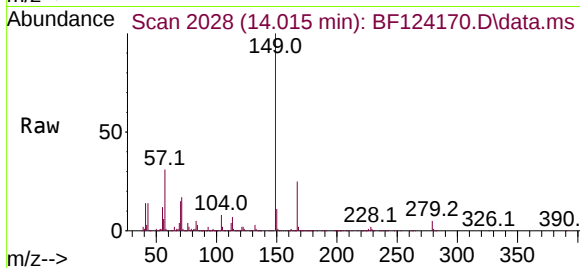




#84
Bis(2-ethylhexyl)phthalate
Concen: 115.99 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

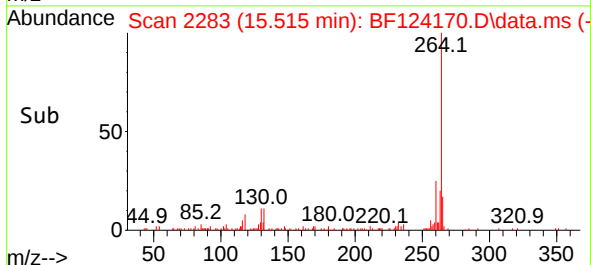
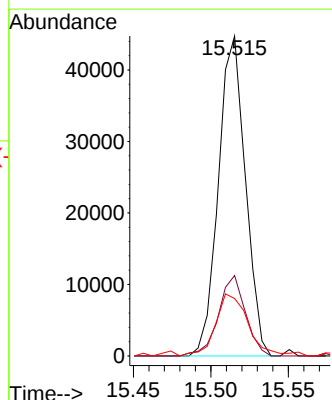
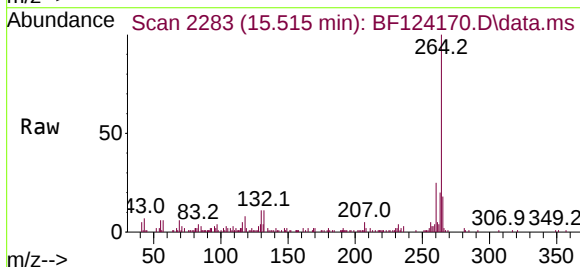
Instrument :
BNA_F
ClientSampleId :
18-B11(4-6)DL

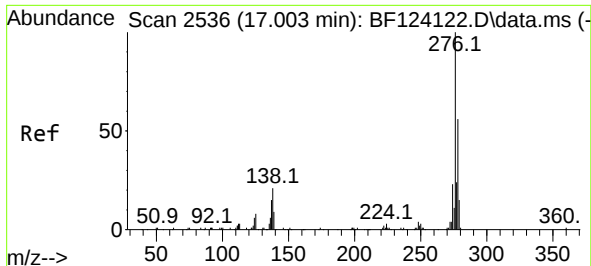
Tgt Ion:149 Resp: 432058
Ion Ratio Lower Upper
149 100
167 24.7 21.8 32.6
279 4.8 3.3 4.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

Tgt Ion:264 Resp: 54157
Ion Ratio Lower Upper
264 100
260 25.2 18.7 28.1
265 17.9 17.8 26.8

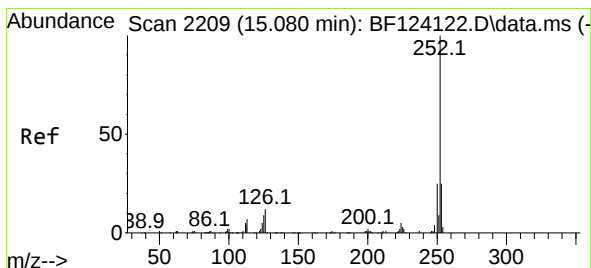
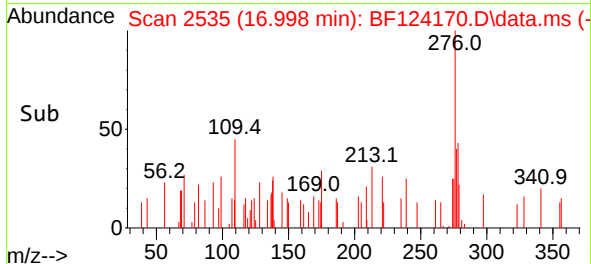
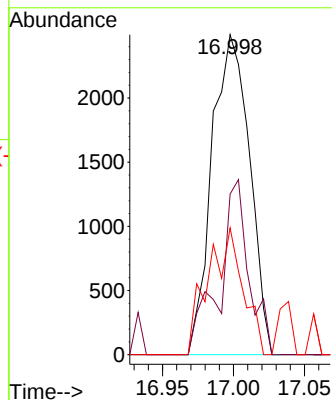
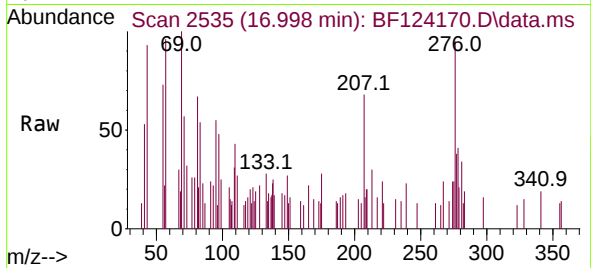




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.26 ng
RT: 16.998 min Scan# 2535
Delta R.T. -0.005 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

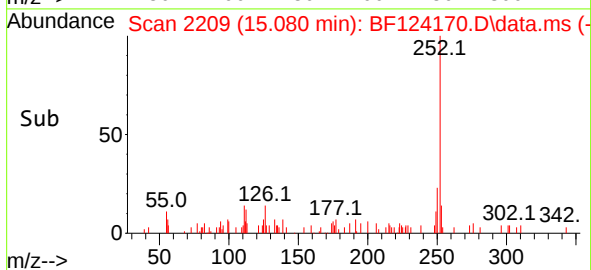
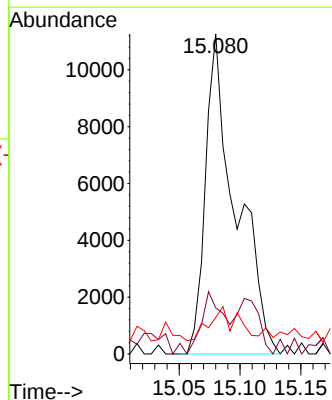
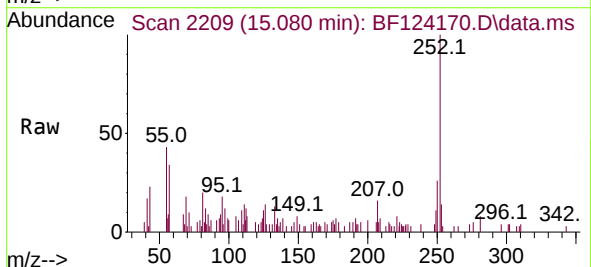
Instrument :
BNA_F
ClientSampleId :
18-B11(4-6)DL

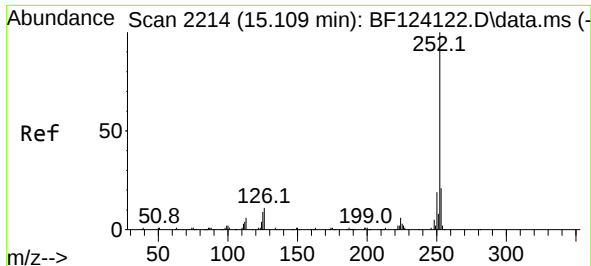
Tgt Ion:276 Resp: 4592
Ion Ratio Lower Upper
276 100
138 42.9 16.2 24.2#
277 36.9 20.1 30.1#



#88
Benzo(b)fluoranthene
Concen: 4.64 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.000 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

Tgt Ion:252 Resp: 19534
Ion Ratio Lower Upper
252 100
253 14.4 18.1 27.1#
125 11.4 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 4.90 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.029 min

Lab File: BF124170.D

Acq: 7 Jun 2021 22:36

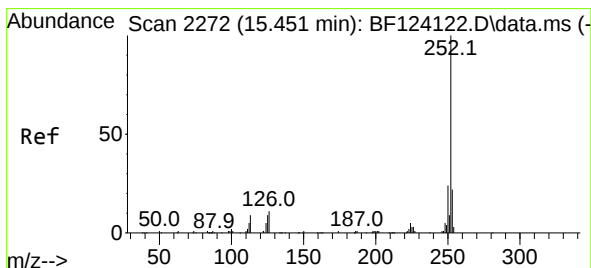
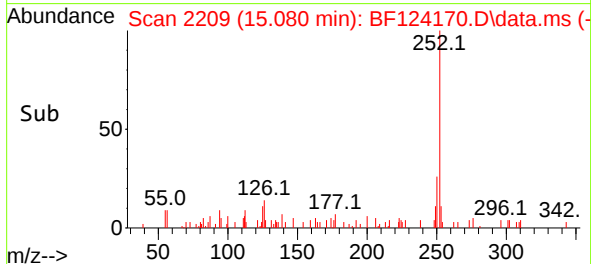
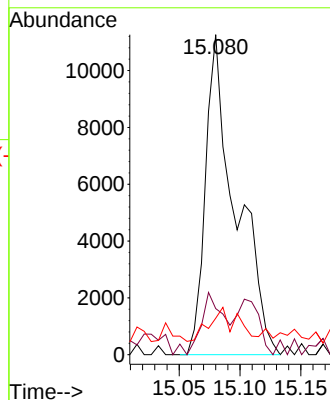
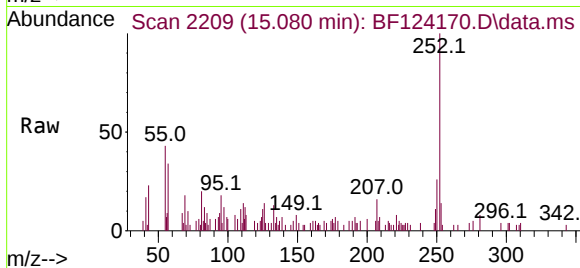
Tgt Ion:252	Resp:	19534
Ion Ratio	Lower	Upper
252	100	
253	14.4	17.9 26.9#
125	11.4	7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

18-B11(4-6)DL



#90

Benzo(a)pyrene

Concen: 2.54 ng

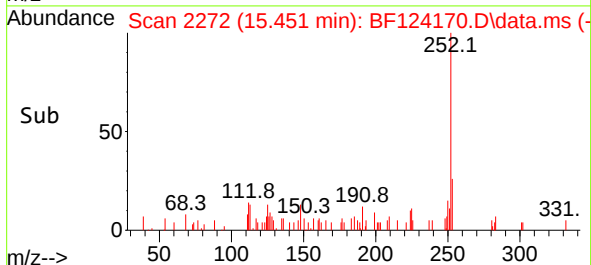
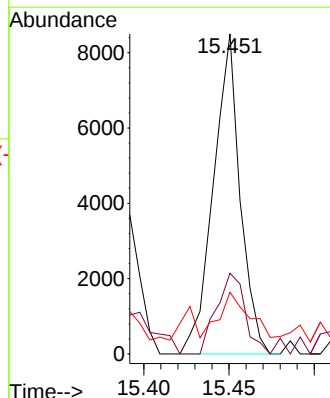
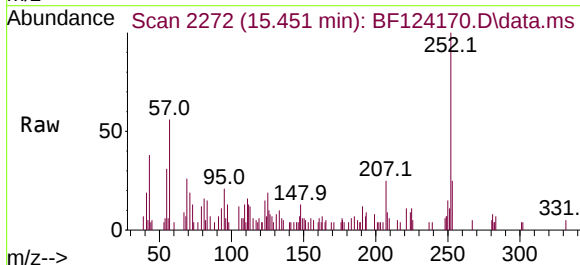
RT: 15.451 min Scan# 2272

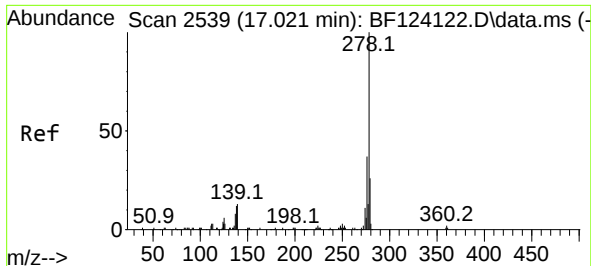
Delta R.T. -0.000 min

Lab File: BF124170.D

Acq: 7 Jun 2021 22:36

Tgt Ion:252	Resp:	9297
Ion Ratio	Lower	Upper
252	100	
253	25.2	18.4 27.6
125	19.3	8.0 12.0#

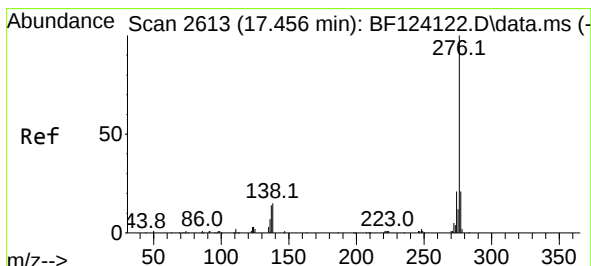
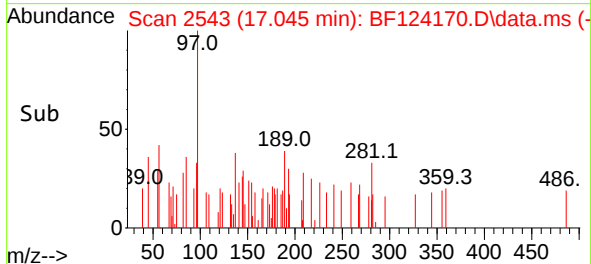
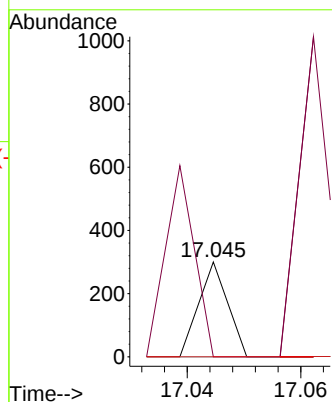
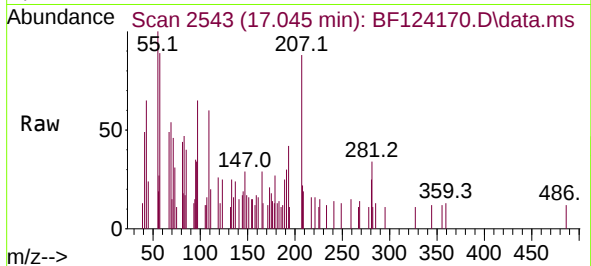




#91
Dibenzo(a,h)anthracene
Concen: 4.20 ng
RT: 17.045 min Scan# 2543
Delta R.T. 0.024 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

Instrument :
BNA_F
ClientSampleId :
18-B11(4-6)DL

Tgt Ion:278 Resp: 106
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.2#
279 0.0 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 5.03 ng
RT: 17.439 min Scan# 2610
Delta R.T. -0.017 min
Lab File: BF124170.D
Acq: 7 Jun 2021 22:36

Tgt Ion:276 Resp: 5030
Ion Ratio Lower Upper
276 100
277 0.0 18.2 27.2#
138 38.2 13.8 20.6#

