

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
 Data File : BF124142.D
 Acq On : 4 Jun 2021 16:28
 Operator : JU/CG
 Sample : M2588-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-074-A

Quant Time: Jun 04 16:54:10 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 04 09:56:24 2021
 Response via : Initial Calibration

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

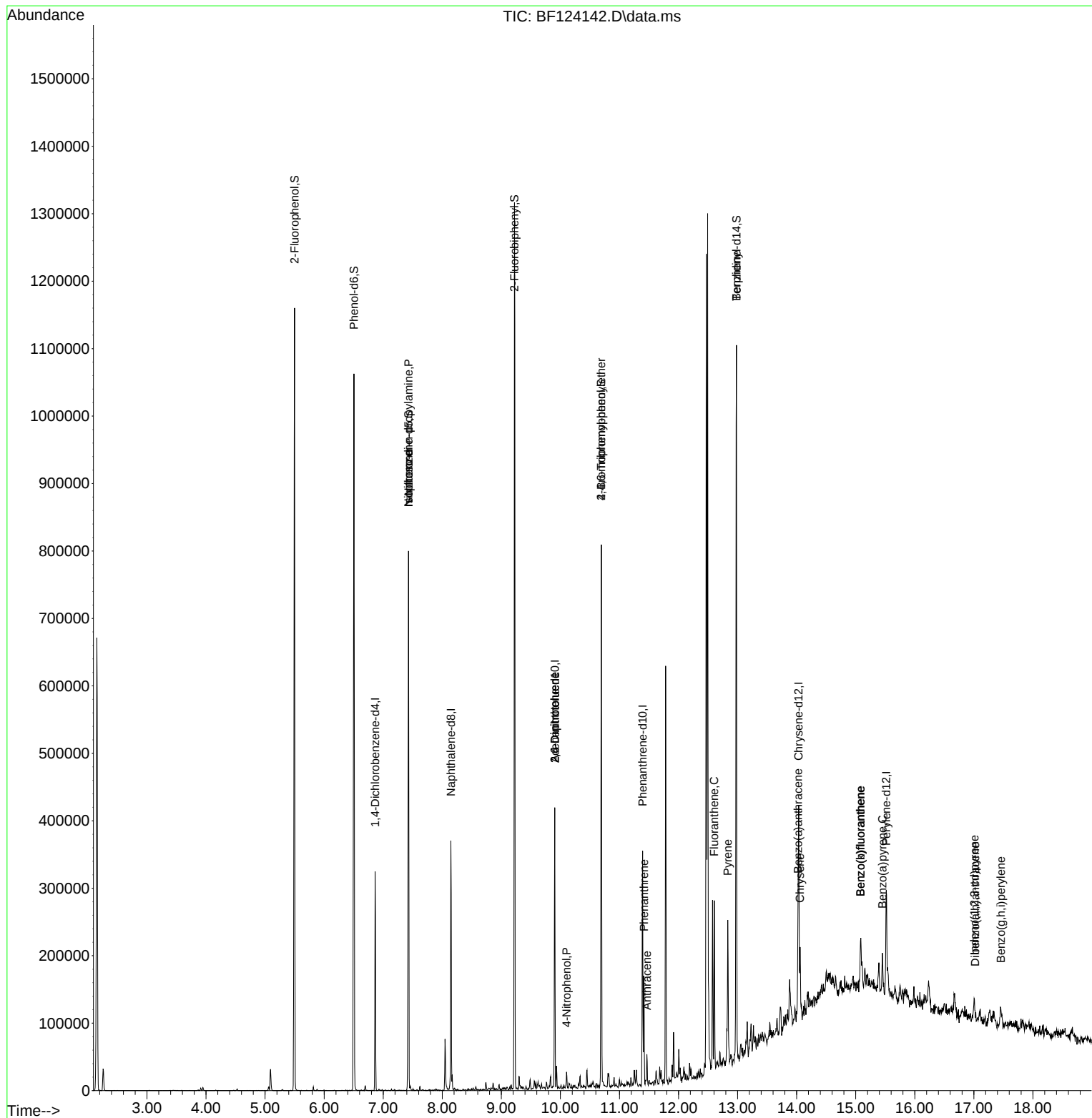
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	40464	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	135729	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	70315	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	111293	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	80991	20.000	ng	0.00
86) Perylene-d12	15.515	264	60171	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	247575	92.103	ng	0.00
7) Phenol-d6	6.504	99	302083	83.607	ng	0.00
23) Nitrobenzene-d5	7.428	82	228406	66.742	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	76209	76.500	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	364942	65.310	ng	0.00
79) Terphenyl-d14	12.980	244	306809	52.010	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	33346	13.074	ng	# 66
25) Isophorone	7.428	82	228401	37.037	ng	# 69
51) 2,6-Dinitrotoluene	9.904	165	8903	6.675	ng	# 13
56) 4-Nitrophenol	10.104	139	2524	2.829	ng	# 2
57) 2,4-Dinitrotoluene	9.904	165	8903	5.061	ng	# 19
67) 4-Bromophenyl-phenylether	10.692	248	4592	3.006	ng	# 1
71) Phenanthrene	11.416	178	56553	8.134	ng	100
72) Anthracene	11.463	178	15216	2.173	ng	94
75) Fluoranthene	12.604	202	84059	11.519	ng	96
77) Benzidine	12.980	184	6181	7.058	ng	# 88
78) Pyrene	12.833	202	76876	9.885	ng	97
81) Benzo(a)anthracene	14.021	228	38049	6.449	ng	96
83) Chrysene	14.057	228	32625	5.731	ng	97
87) Indeno(1,2,3-cd)pyrene	17.010	276	14982	7.057	ng	# 74
88) Benzo(b)fluoranthene	15.080	252	46920	10.038	ng	# 87
89) Benzo(k)fluoranthene	15.080	252	46920	10.604	ng	# 88
90) Benzo(a)pyrene	15.451	252	24975	6.152	ng	# 85
91) Dibenzo(a,h)anthracene	17.021	278	5392	5.327	ng	# 67
92) Benzo(g,h,i)perylene	17.457	276	14089	6.883	ng	# 85

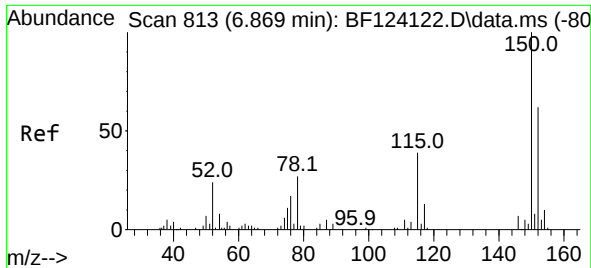
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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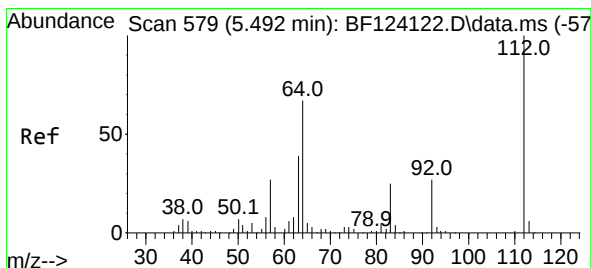
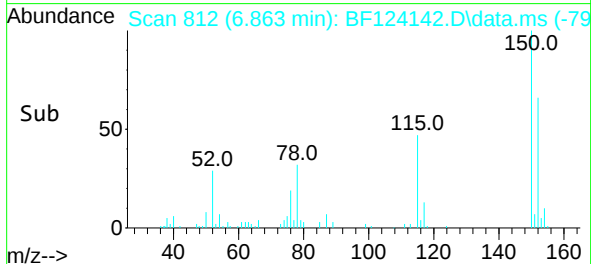
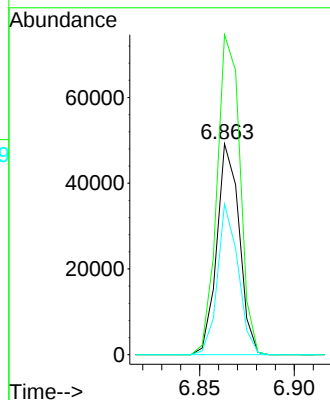
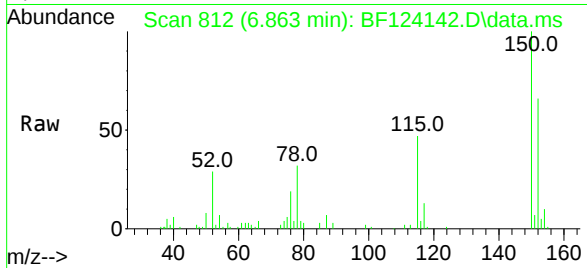




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

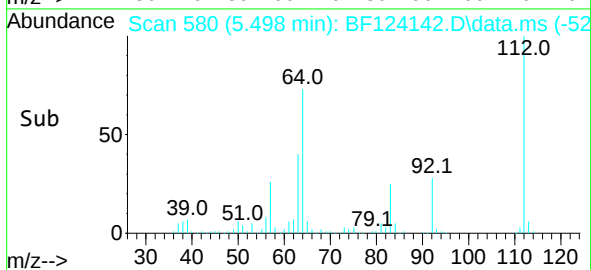
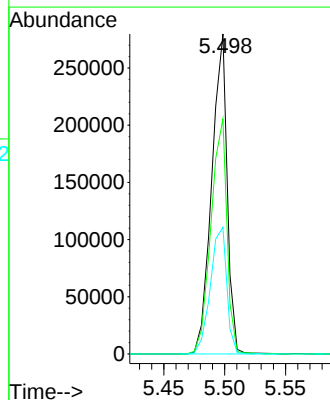
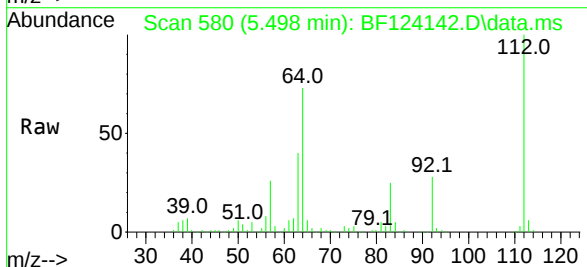
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-074-A

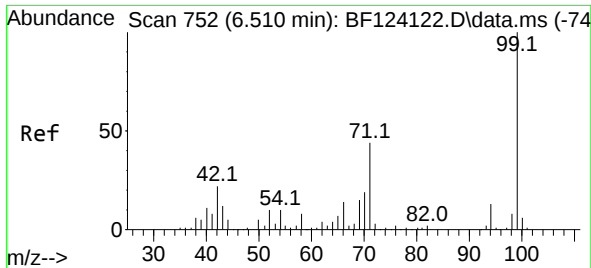
Tgt Ion:152 Resp: 40464
Ion Ratio Lower Upper
152 100
150 151.8 127.0 190.6
115 71.4 54.3 81.5



#5
2-Fluorophenol
Concen: 92.103 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

Tgt Ion:112 Resp: 247575
Ion Ratio Lower Upper
112 100
64 73.4 61.4 92.0
63 39.6 33.0 49.4

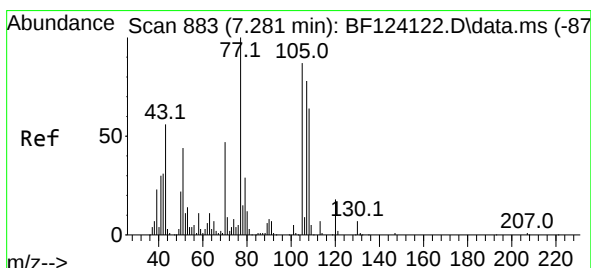
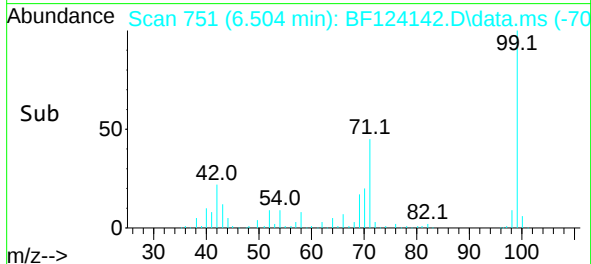
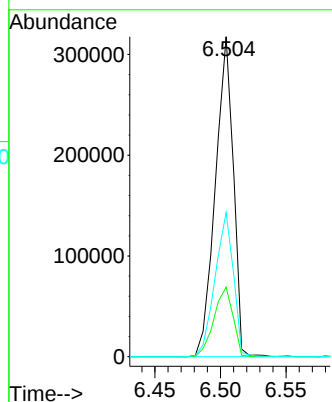
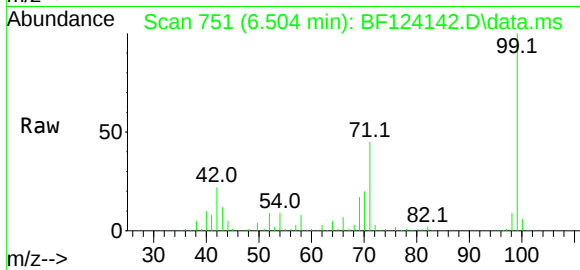




#7
Phenol-d6
Concen: 83.607 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

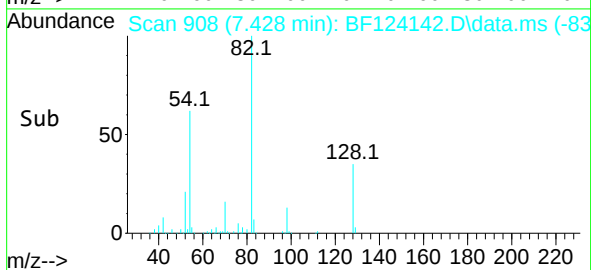
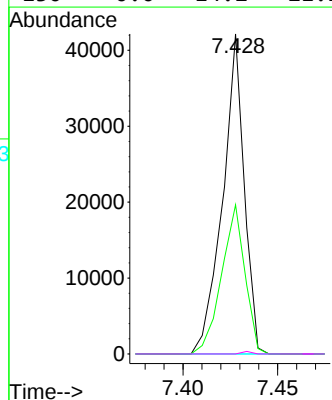
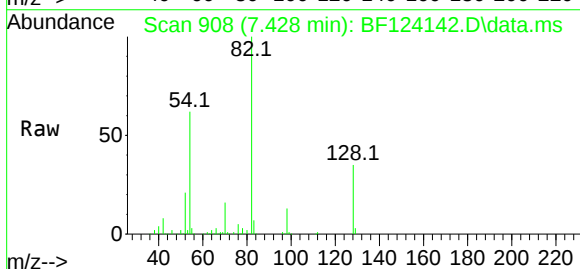
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-074-A

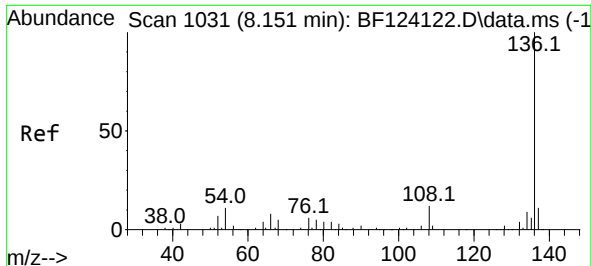
Tgt Ion: 99 Resp: 302083
Ion Ratio Lower Upper
99 100
42 21.7 19.8 29.8
71 45.0 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.074 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

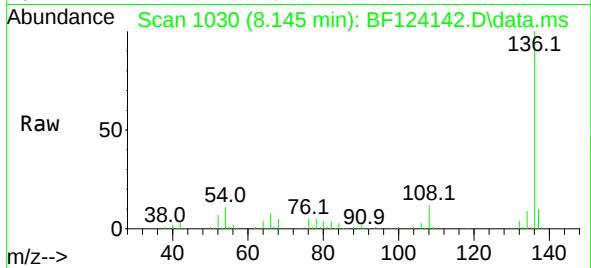
Tgt Ion: 70 Resp: 33346
Ion Ratio Lower Upper
70 100
42 46.6 60.1 90.1#
101 0.0 7.4 11.2#
130 0.0 14.2 21.2#



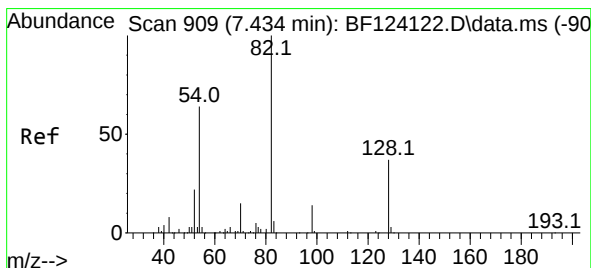
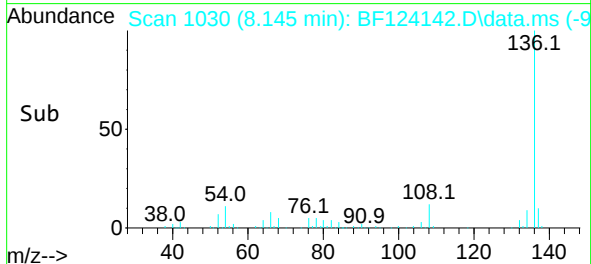
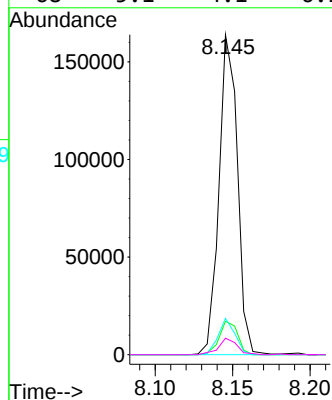


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-074-A

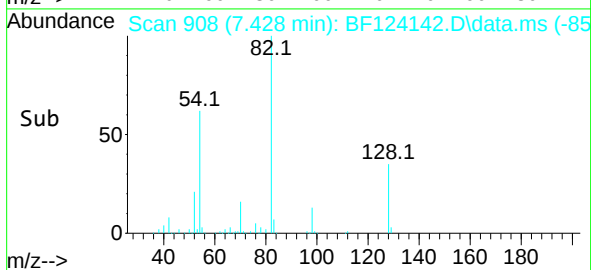
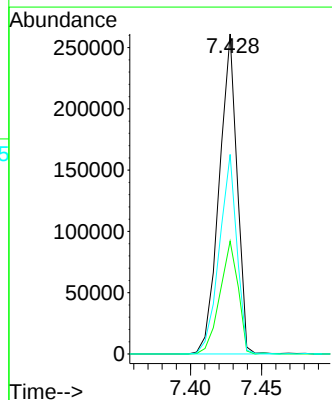
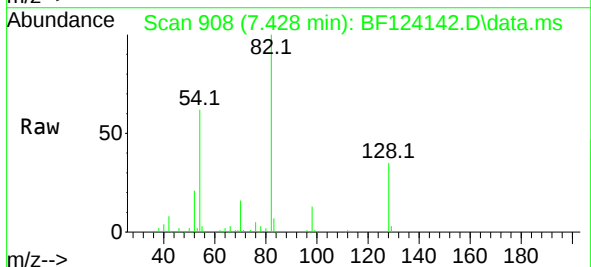


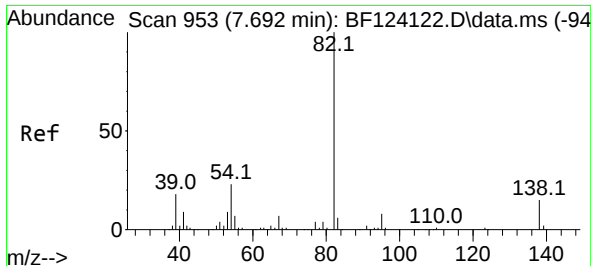
Tgt Ion:	136	Resp:	135729
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.7	13.1
54	11.3	9.8	14.6
68	5.1	4.1	6.1



#23
Nitrobenzene-d5
Concen: 66.742 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

Tgt Ion:	82	Resp:	228406
Ion Ratio	Lower	Upper	
82	100		
128	35.2	29.4	44.2
54	62.3	54.1	81.1

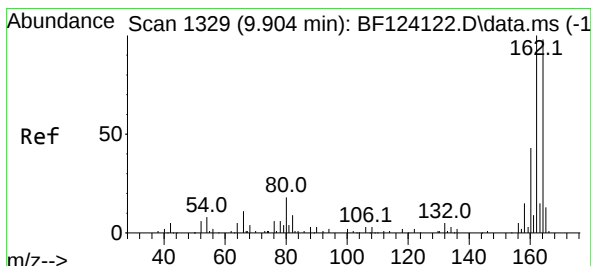
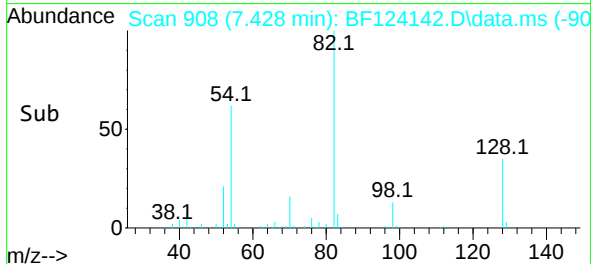
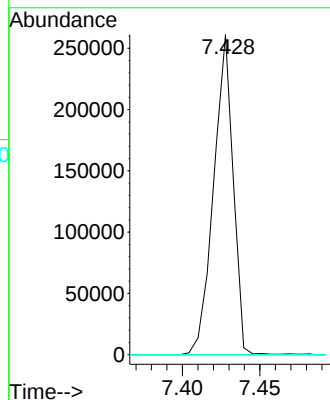
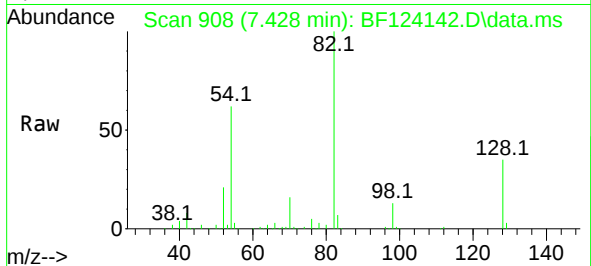




#25
Isophorone
Concen: 37.037 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

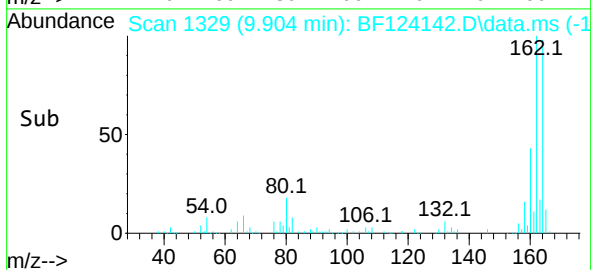
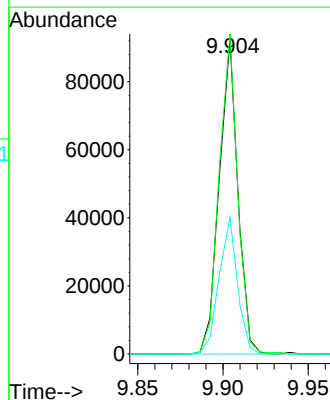
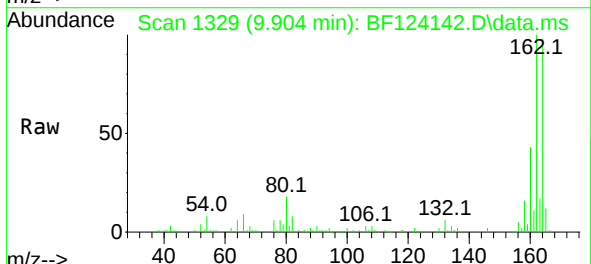
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-074-A

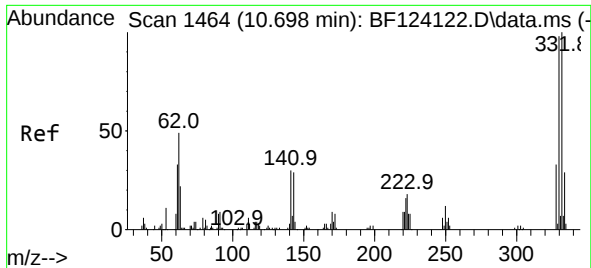
Tgt Ion: 82 Resp: 228401
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

Tgt Ion: 164 Resp: 70315
Ion Ratio Lower Upper
164 100
162 101.6 80.7 121.1
160 43.4 37.3 55.9

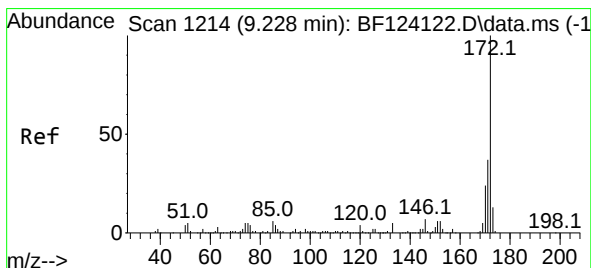
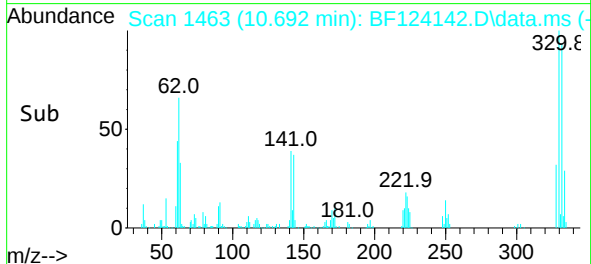
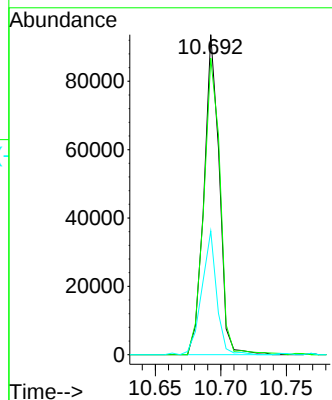
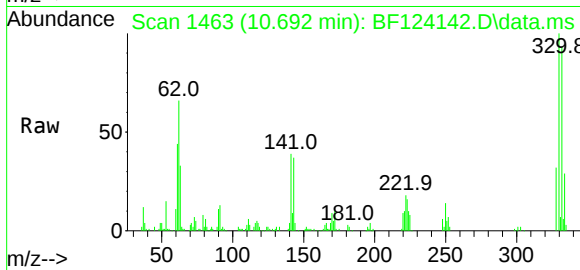




#42
2,4,6-Tribromophenol
Concen: 76.500 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

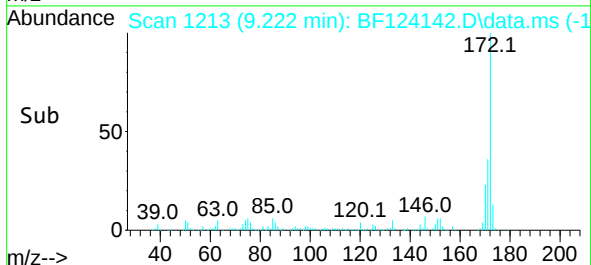
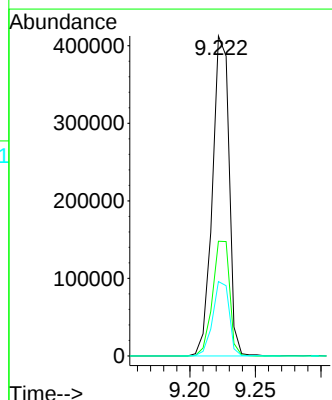
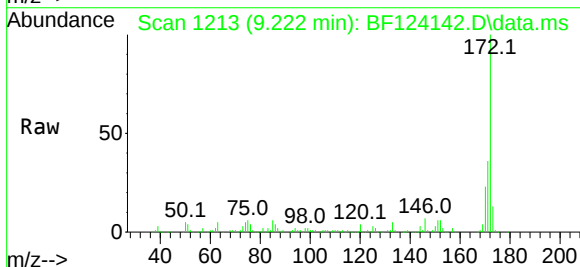
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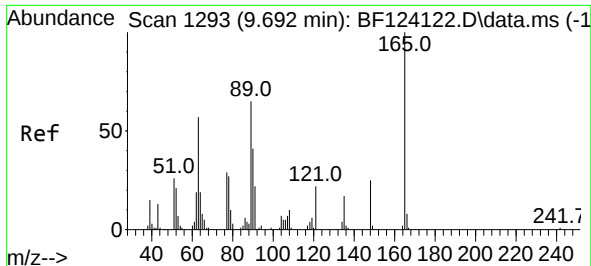
Tgt Ion: 330 Resp: 76209
Ion Ratio Lower Upper
330 100
332 99.3 77.1 115.7
141 37.6 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 65.310 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

Tgt Ion: 172 Resp: 364942
Ion Ratio Lower Upper
172 100
171 35.8 28.1 42.1
170 23.2 19.2 28.8

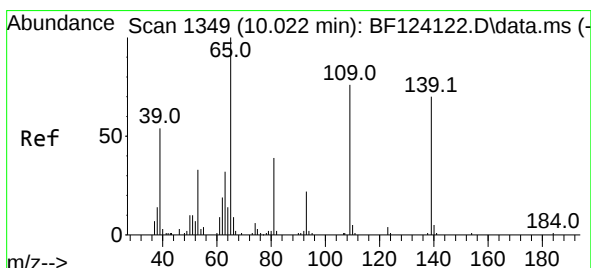
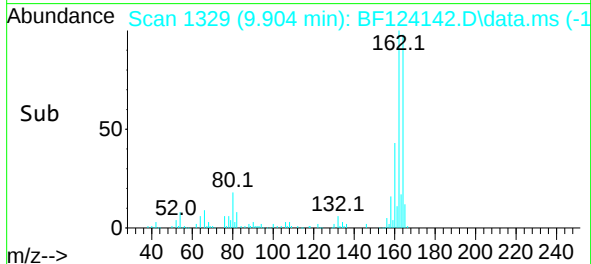
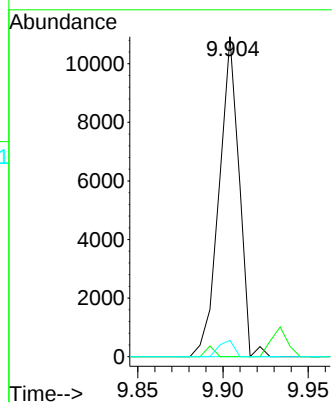
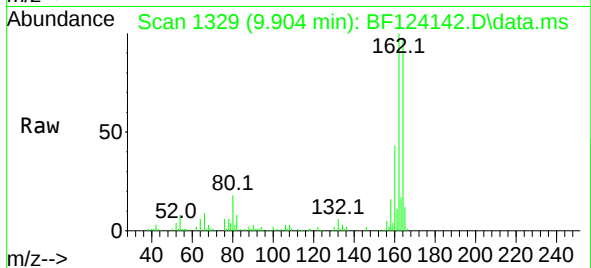




#51
2,6-Dinitrotoluene
Concen: 6.675 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

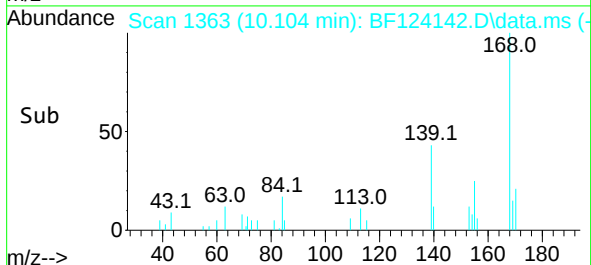
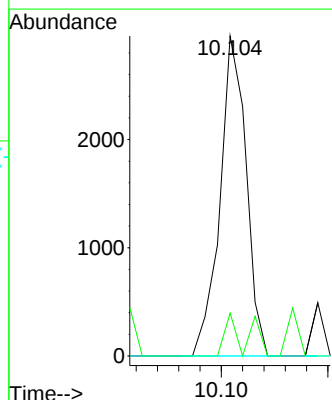
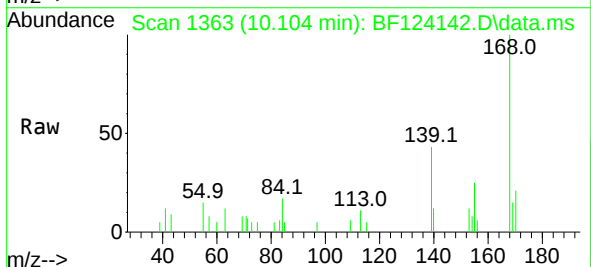
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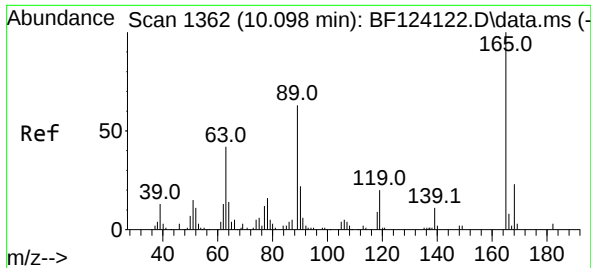
Tgt Ion:165 Resp: 8903
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 5.1 58.8 88.2#



#56
4-Nitrophenol
Concen: 2.829 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.082 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

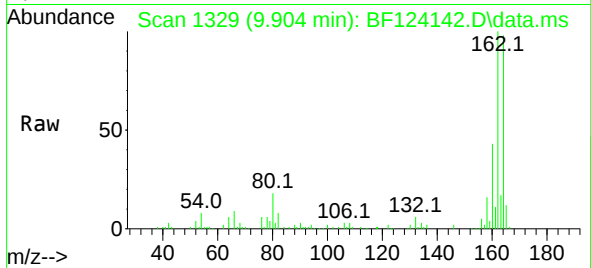
Tgt Ion:139 Resp: 2524
Ion Ratio Lower Upper
139 100
109 13.4 63.2 103.2#
65 0.0 110.0 150.0#



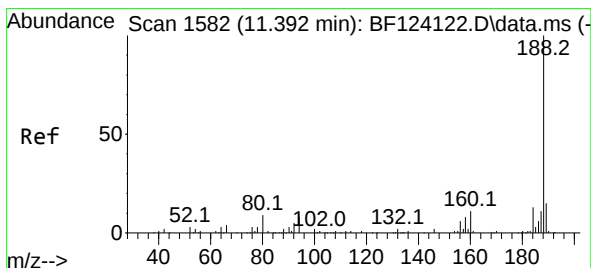
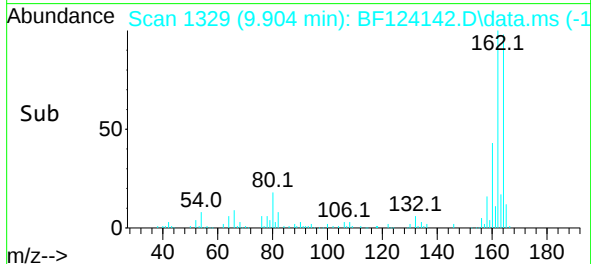
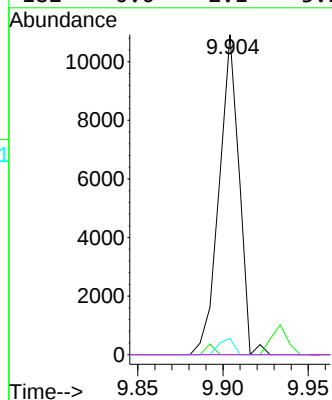


#57
2,4-Dinitrotoluene
Concen: 5.061 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-074-A

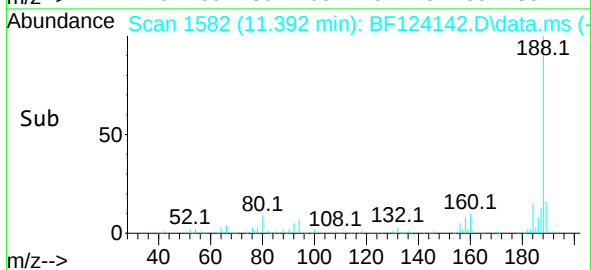
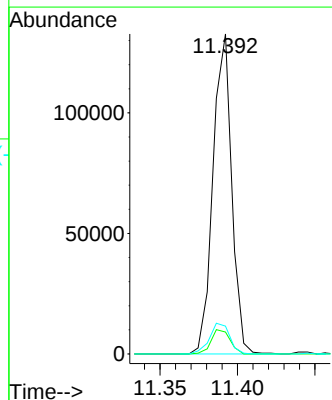
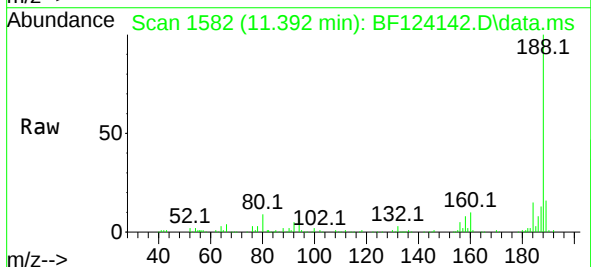


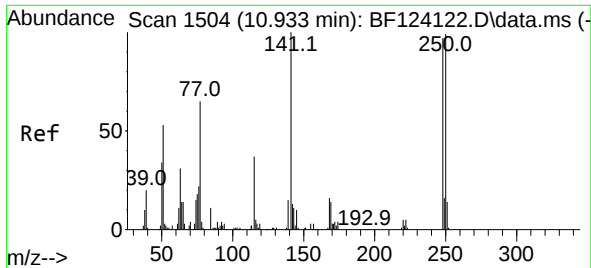
Tgt Ion:165 Resp: 8903
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 5.1 67.7 101.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

Tgt Ion:188 Resp: 111293
Ion Ratio Lower Upper
188 100
94 6.8 6.9 10.3#
80 8.7 8.2 12.2

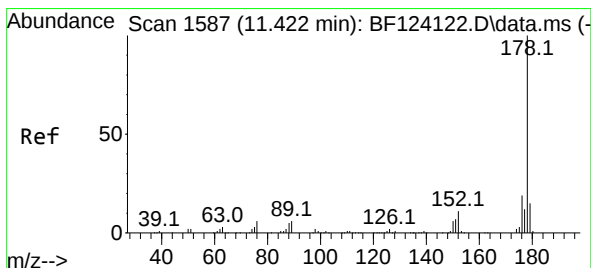
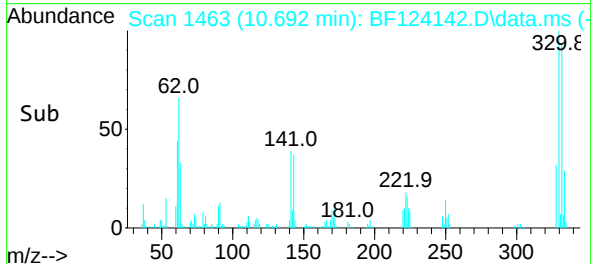
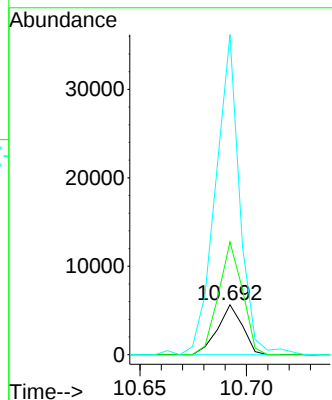
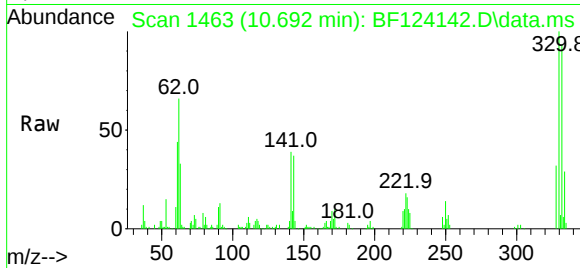




#67
4-Bromophenyl-phenylether
Concen: 3.006 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.241 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

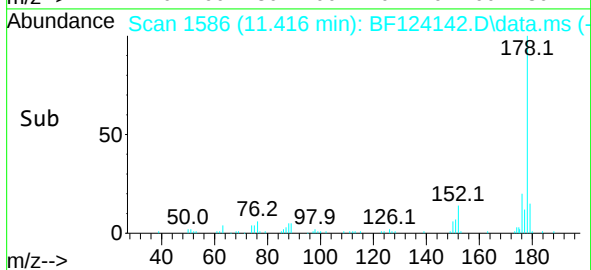
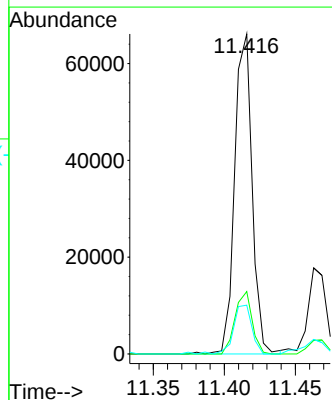
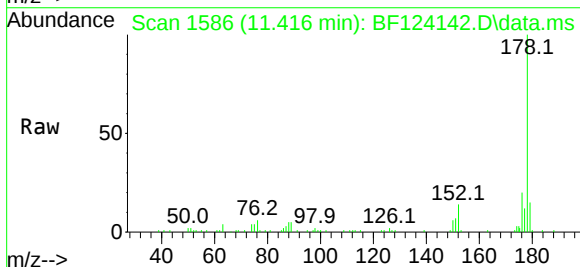
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-074-A

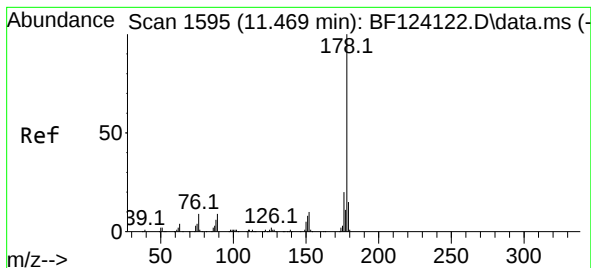
Tgt Ion:248 Resp: 4592
Ion Ratio Lower Upper
248 100
250 226.1 77.4 116.2#
141 641.3 63.7 95.5#



#71
Phenanthrene
Concen: 8.134 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

Tgt Ion:178 Resp: 56553
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.2 12.5 18.7

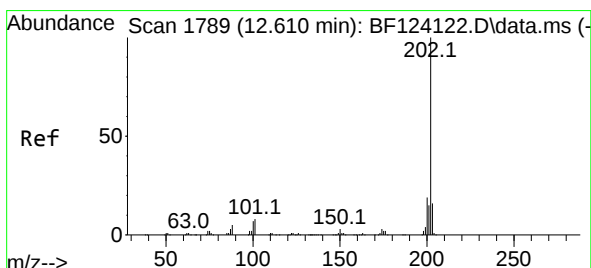
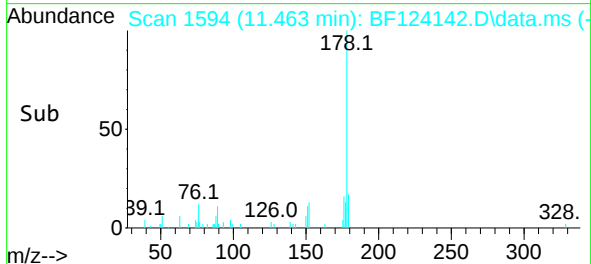
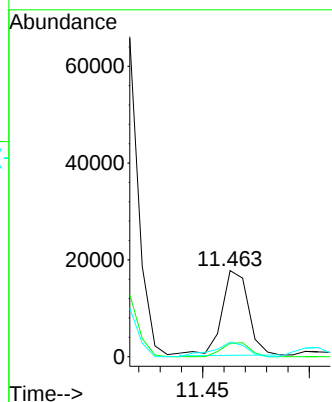
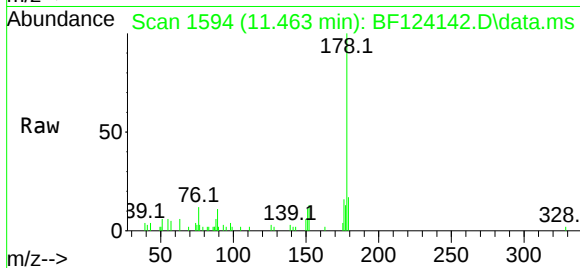




#72
 Anthracene
 Concen: 2.173 ng
 RT: 11.463 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF124142.D
 Acq: 4 Jun 2021 16:28

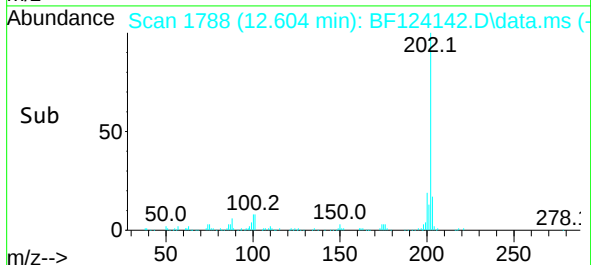
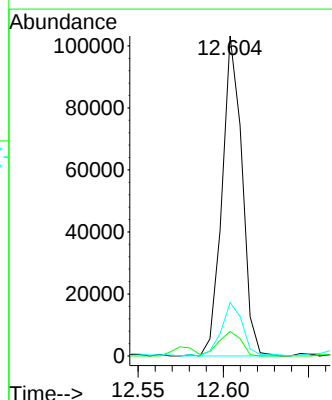
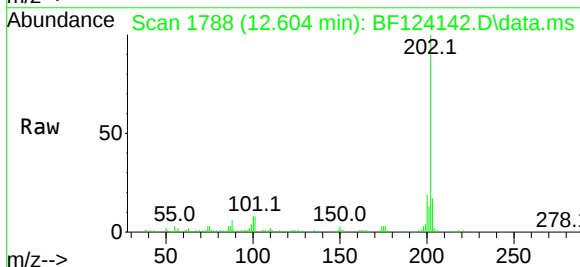
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-074-A

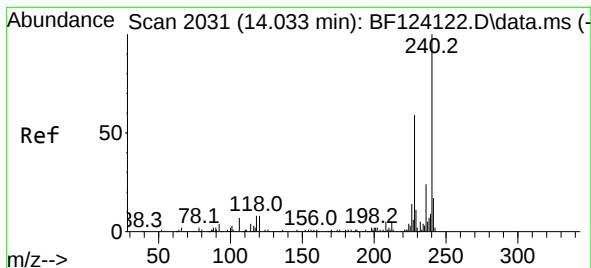
Tgt Ion:178 Resp: 15216
 Ion Ratio Lower Upper
 178 100
 176 15.7 15.4 23.0
 179 17.0 12.6 18.8



#75
 Fluoranthene
 Concen: 11.519 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF124142.D
 Acq: 4 Jun 2021 16:28

Tgt Ion:202 Resp: 84059
 Ion Ratio Lower Upper
 202 100
 101 7.6 0.0 30.9
 203 16.7 0.0 37.5

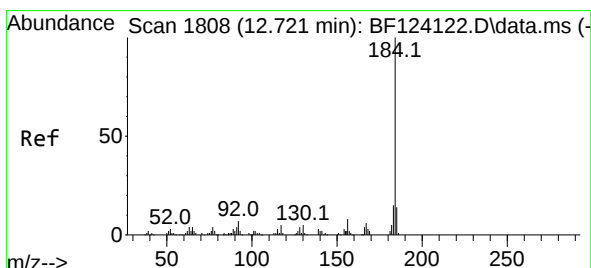
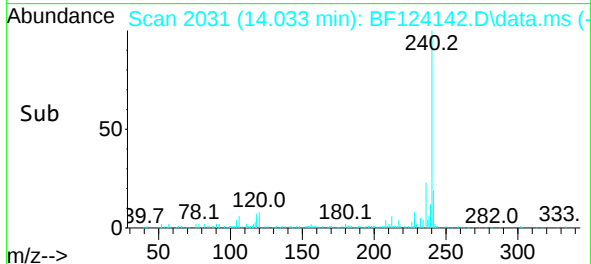
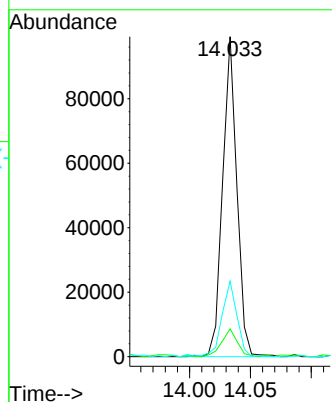
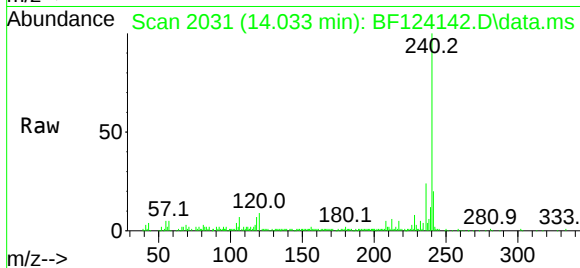




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

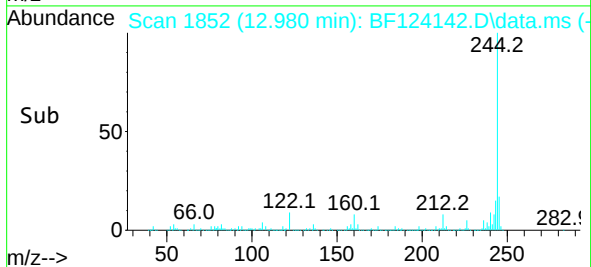
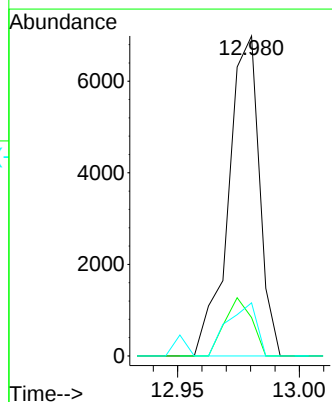
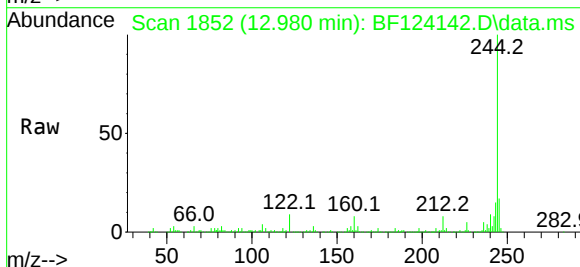
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-074-A

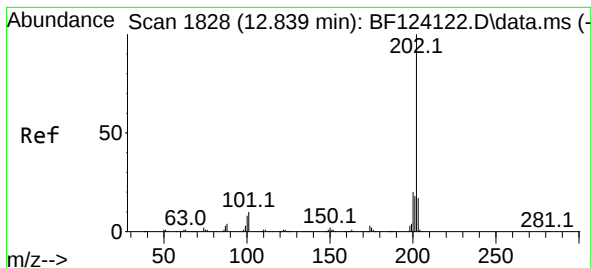
Tgt Ion:240 Resp: 80991
Ion Ratio Lower Upper
240 100
120 8.7 7.2 10.8
236 23.6 19.0 28.4



#77
Benzidine
Concen: 7.058 ng
RT: 12.980 min Scan# 1852
Delta R.T. 0.259 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

Tgt Ion:184 Resp: 6181
Ion Ratio Lower Upper
184 100
185 12.0 12.1 18.1#
183 16.6 7.8 11.8#





#78

Pyrene

Concen: 9.885 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF124142.D

Acq: 4 Jun 2021 16:28

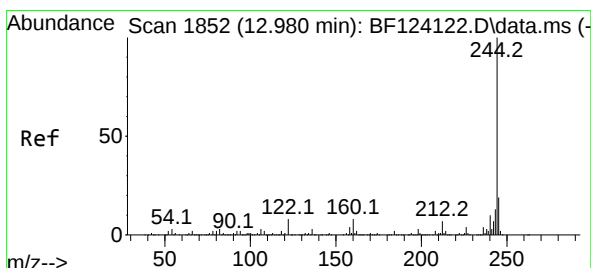
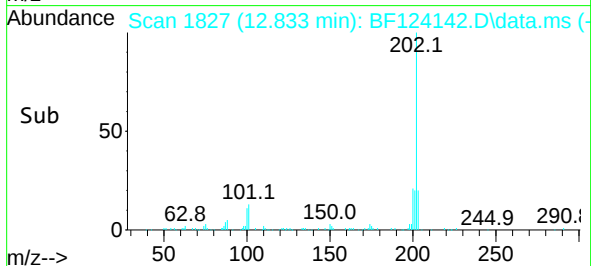
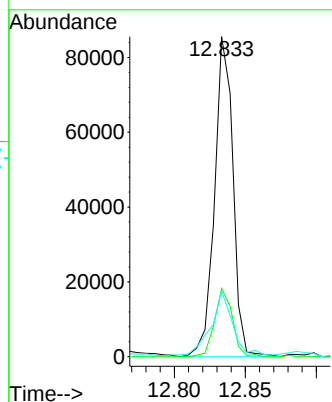
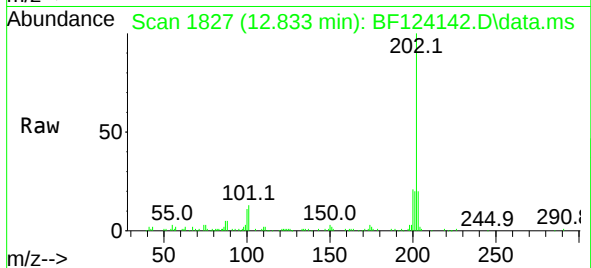
Tgt Ion:202 Resp: 76876

Ion Ratio Lower Upper

202 100

200 21.3 16.1 24.1

203 20.4 14.8 22.2



#79

Terphenyl-d14

Concen: 52.010 ng

RT: 12.980 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF124142.D

Acq: 4 Jun 2021 16:28

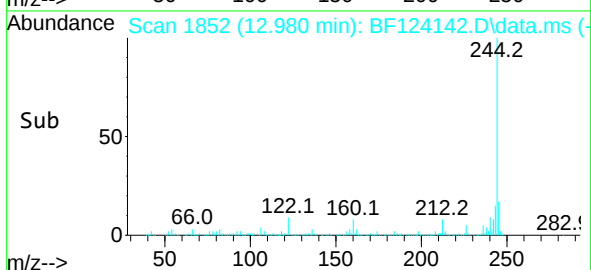
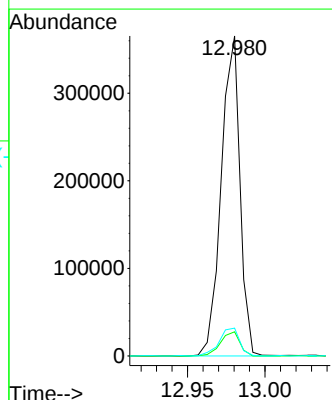
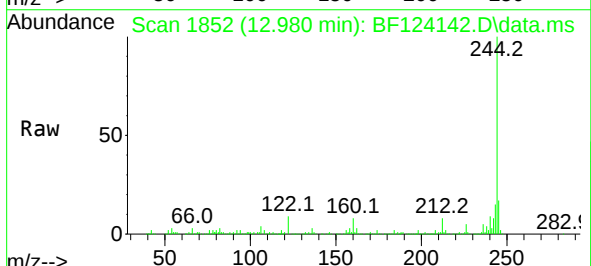
Tgt Ion:244 Resp: 306809

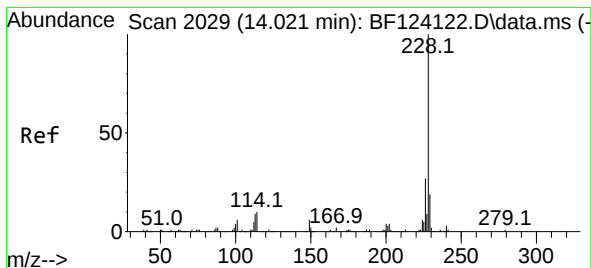
Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

122 8.7 9.7 14.5#

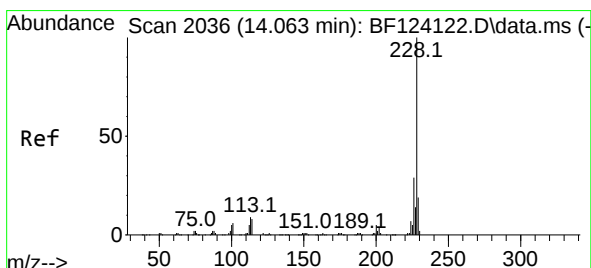
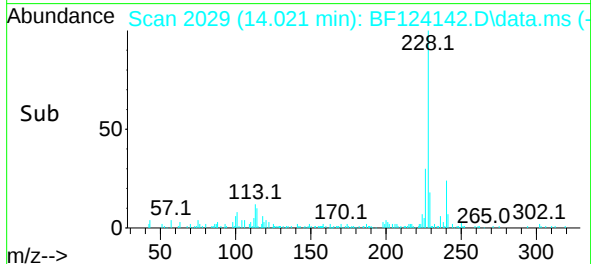
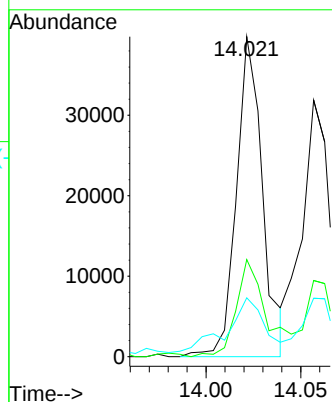
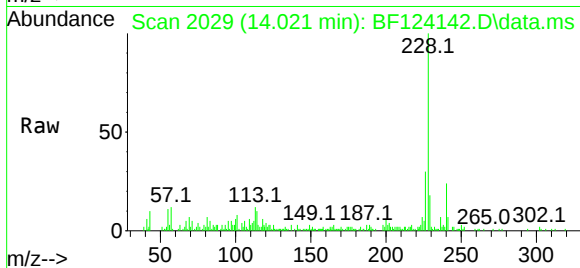




#81
Benzo(a)anthracene
Concen: 6.449 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

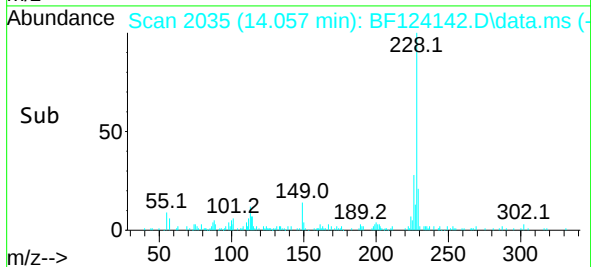
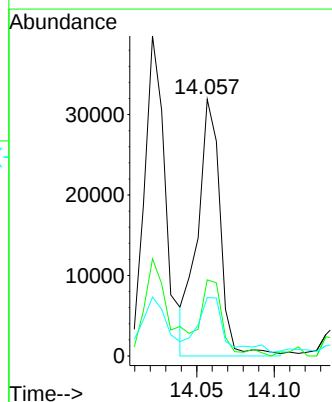
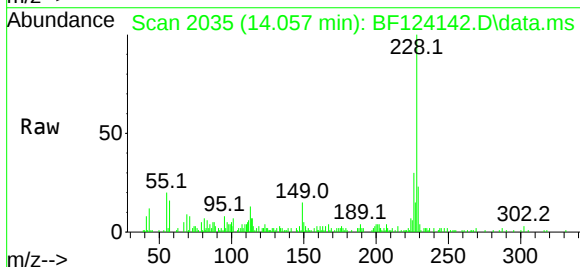
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-074-A

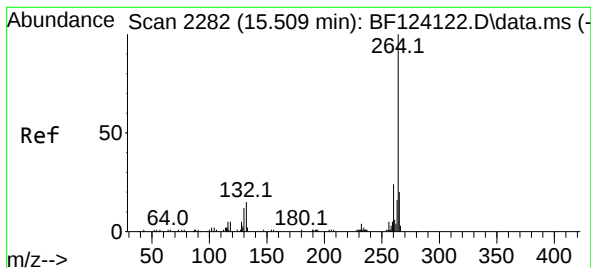
Tgt Ion:228 Resp: 38049
Ion Ratio Lower Upper
228 100
226 30.4 22.4 33.6
229 18.4 16.0 24.0



#83
Chrysene
Concen: 5.731 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

Tgt Ion:228 Resp: 32625
Ion Ratio Lower Upper
228 100
226 29.7 24.3 36.5
229 22.8 16.2 24.2

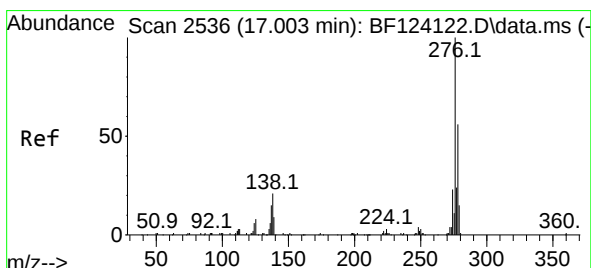
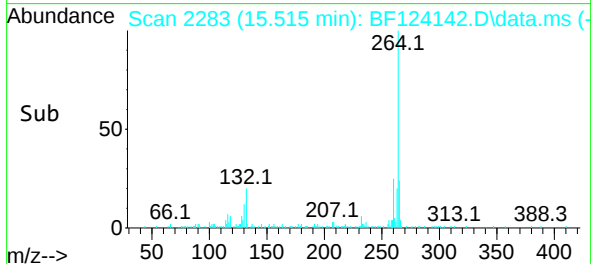
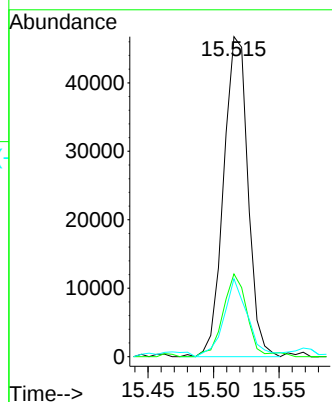
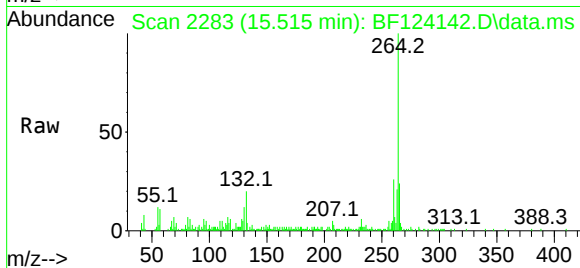




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

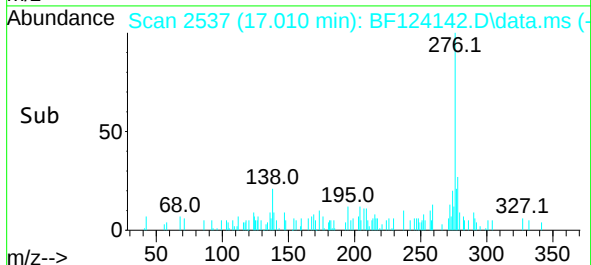
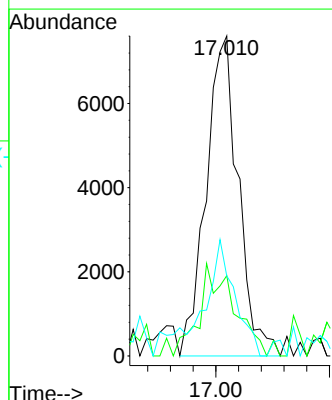
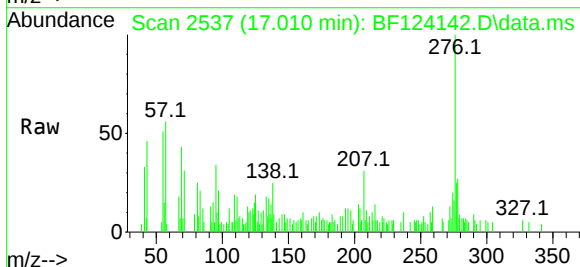
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-074-A

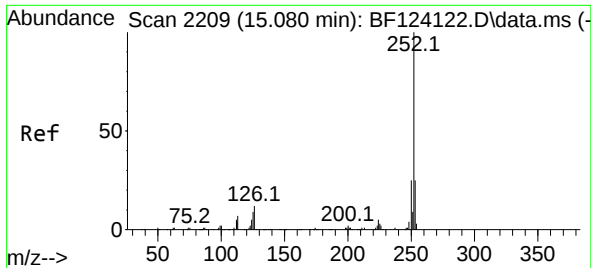
Tgt Ion:264 Resp: 60171
Ion Ratio Lower Upper
264 100
260 25.8 18.7 28.1
265 24.3 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.057 ng
RT: 17.010 min Scan# 2537
Delta R.T. 0.007 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

Tgt Ion:276 Resp: 14982
Ion Ratio Lower Upper
276 100
138 33.1 16.2 24.2#
277 37.4 20.1 30.1#

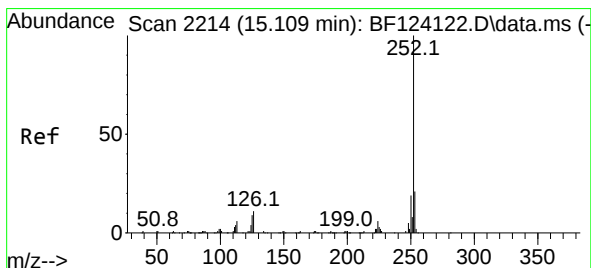
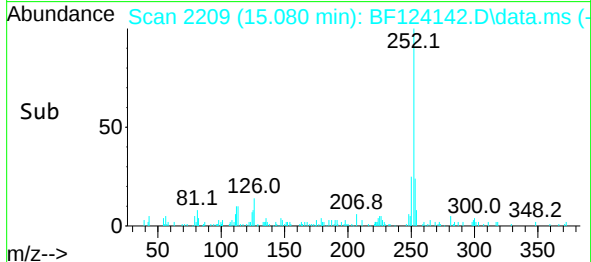
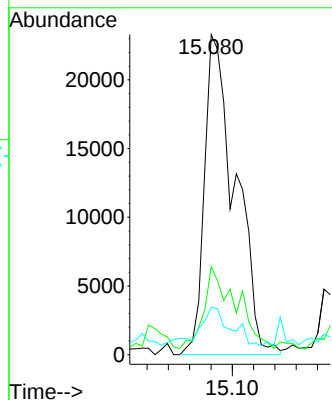
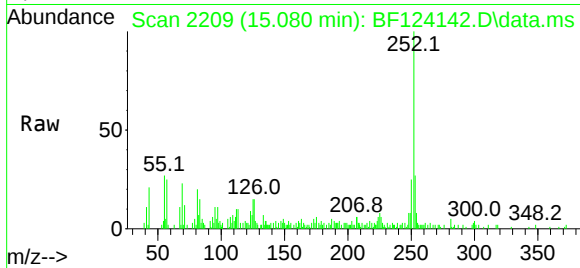




#88
Benzo(b)fluoranthene
Concen: 10.038 ng
RT: 15.080 min Scan# 2209
Delta R.T. 0.000 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

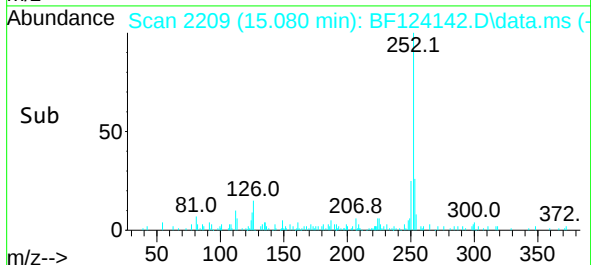
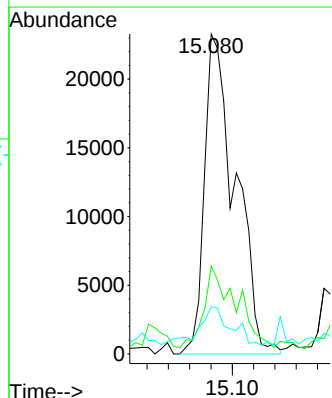
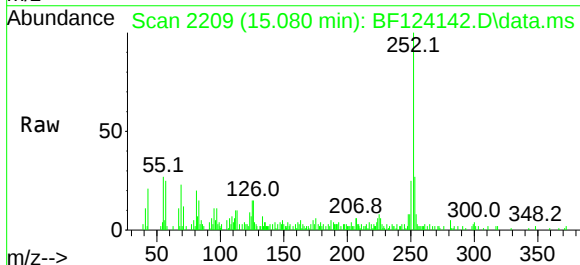
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-074-A

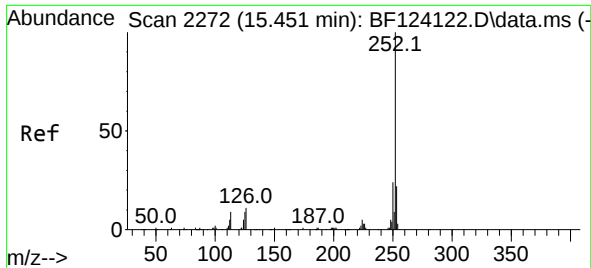
Tgt Ion:252 Resp: 46920
Ion Ratio Lower Upper
252 100
253 27.5 18.1 27.1#
125 14.8 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 10.604 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.029 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

Tgt Ion:252 Resp: 46920
Ion Ratio Lower Upper
252 100
253 27.5 17.9 26.9#
125 14.8 7.0 10.6#

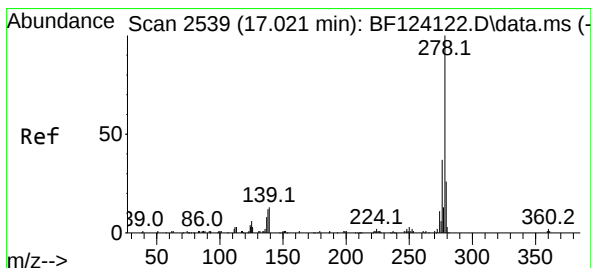
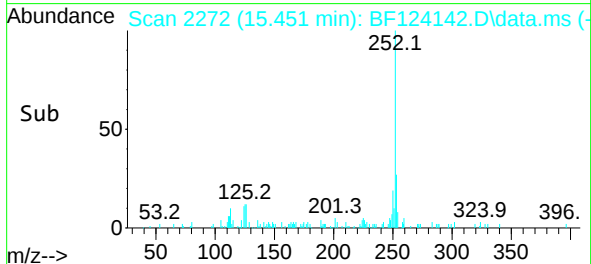
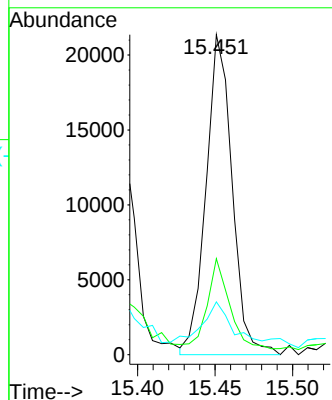
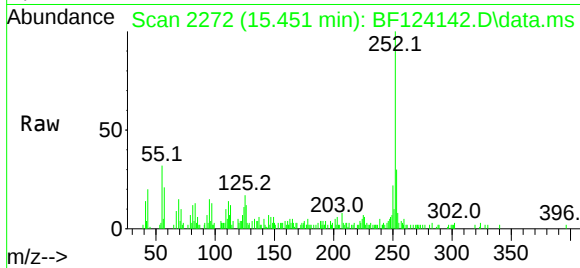




#90
Benzo(a)pyrene
Concen: 6.152 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

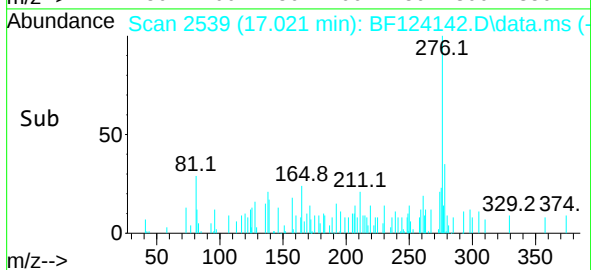
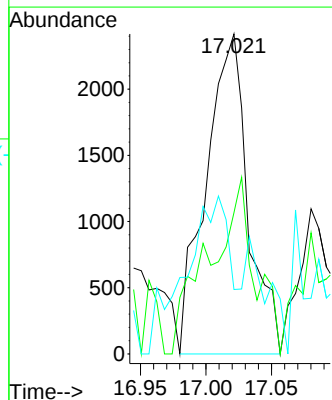
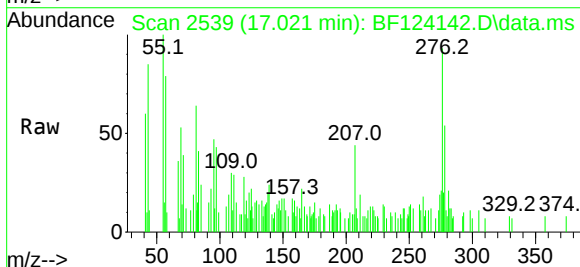
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-074-A

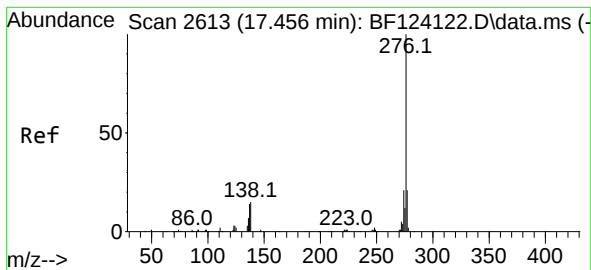
Tgt Ion:252 Resp: 24975
Ion Ratio Lower Upper
252 100
253 30.0 18.4 27.6#
125 16.5 8.0 12.0#



#91
Dibenzo(a,h)anthracene
Concen: 5.327 ng
RT: 17.021 min Scan# 2539
Delta R.T. 0.000 min
Lab File: BF124142.D
Acq: 4 Jun 2021 16:28

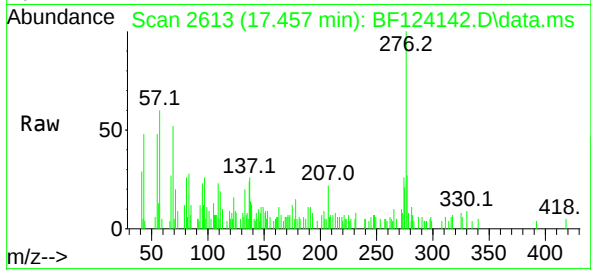
Tgt Ion:278 Resp: 5392
Ion Ratio Lower Upper
278 100
139 44.1 10.2 15.2#
279 20.1 19.4 29.0





#92
 Benzo(g,h,i)perylene
 Concen: 6.883 ng
 RT: 17.457 min Scan# 2613
 Delta R.T. 0.001 min
 Lab File: BF124142.D
 Acq: 4 Jun 2021 16:28

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-074-A



Tgt Ion:	276	Resp:	14089
Ion Ratio	Lower	Upper	
276	100		
277	27.0	18.2	27.2
138	26.8	13.8	20.6#

