

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
 Data File : BF124138.D
 Acq On : 4 Jun 2021 14:16
 Operator : JU/CG
 Sample : M2587-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-073-A

Quant Time: Jun 04 14:36:37 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)

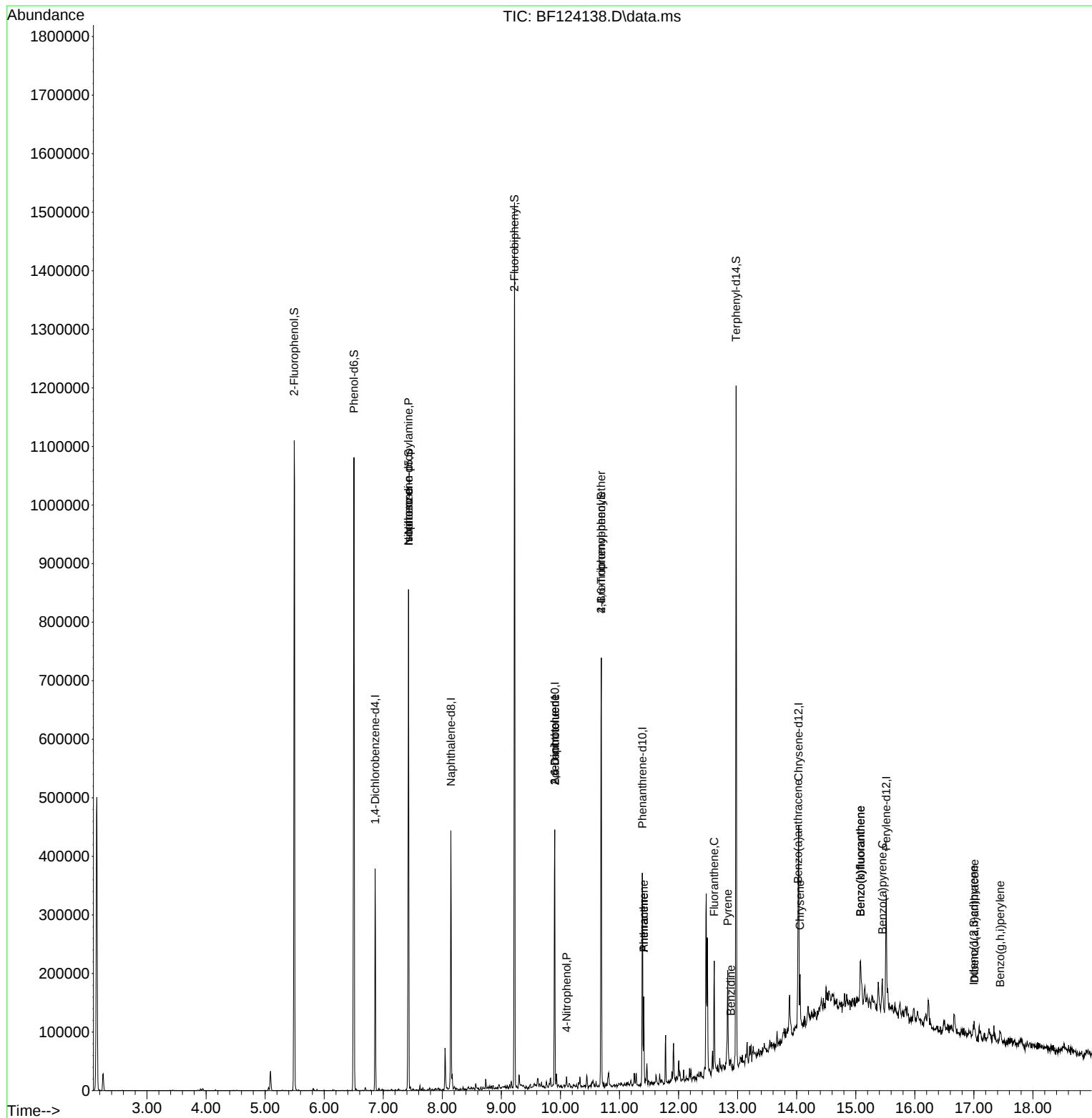
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	45393	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	156856	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	78591	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	118865	20.000	ng	0.00
76) Chrysene-d12	14.033	240	101347	20.000	ng	0.00
86) Perylene-d12	15.515	264	71862	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	256381	85.022	ng	0.00
7) Phenol-d6	6.504	99	311899	76.950	ng	0.00
23) Nitrobenzene-d5	7.428	82	243434	61.553	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	73588	66.090	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	381678	61.113	ng	0.00
79) Terphenyl-d14	12.974	244	321690	43.580	ng	0.00
Target Compounds					Qvalue	
19) n-Nitroso-di-n-propyla...	7.428	70	35585	12.437	ng	# 69
25) Isophorone	7.428	82	243430	34.157	ng	# 69
51) 2,6-Dinitrotoluene	9.904	165	10121	6.789	ng	# 10
56) 4-Nitrophenol	10.104	139	2285	2.291	ng	# 1
57) 2,4-Dinitrotoluene	9.904	165	10121	5.147	ng	# 15
67) 4-Bromophenyl-phenylether	10.692	248	4928	3.021	ng	# 1
71) Phenanthrene	11.410	178	45270	6.097	ng	96
72) Anthracene	11.410	178	45270	6.054	ng	96
75) Fluoranthene	12.604	202	64792	8.313	ng	97
77) Benzidine	12.886	184	217	4.145	ng	# 68
78) Pyrene	12.833	202	59205	6.084	ng	96
81) Benzo(a)anthracene	14.021	228	30988	4.197	ng	93
83) Chrysene	14.057	228	28210	3.960	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	13294	6.357	ng	# 79
88) Benzo(b)fluoranthene	15.080	252	43698	7.828	ng	# 94
89) Benzo(k)fluoranthene	15.080	252	43698	8.269	ng	# 95
90) Benzo(a)pyrene	15.451	252	21940	4.525	ng	# 94
91) Dibenzo(a,h)anthracene	17.009	278	4197	4.926	ng	# 48
92) Benzo(g,h,i)perylene	17.445	276	12360	6.066	ng	# 85

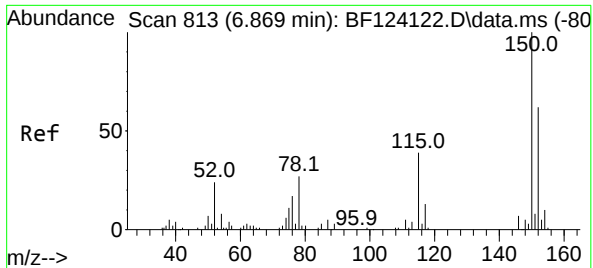
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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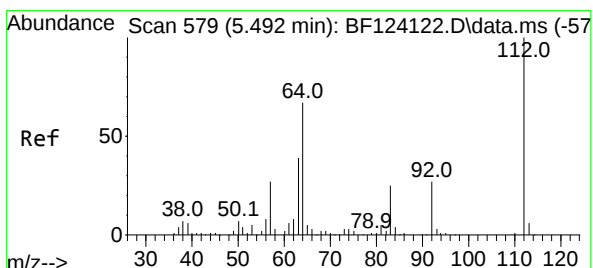
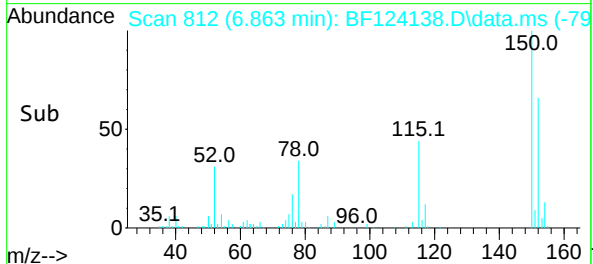
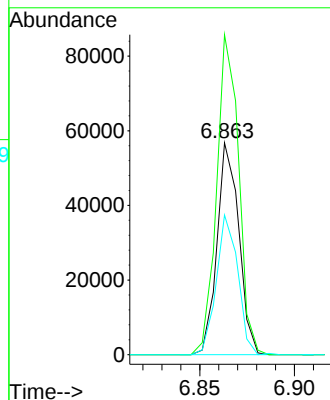
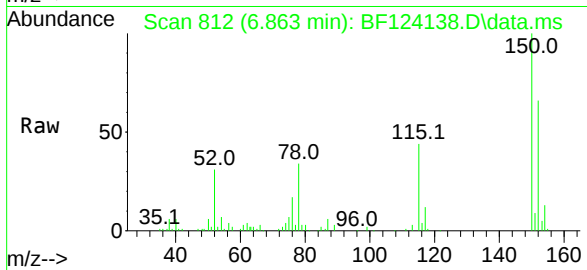




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

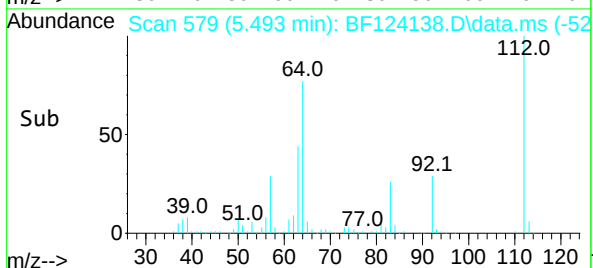
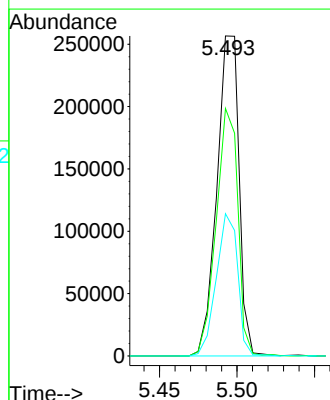
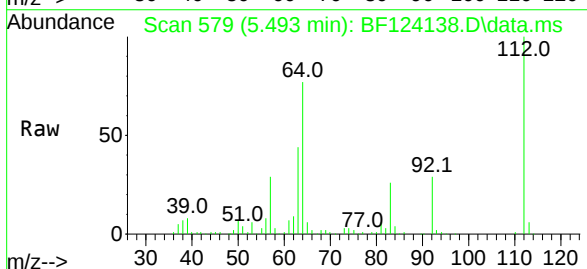
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-A

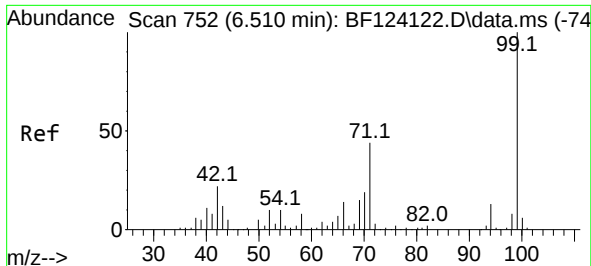
Tgt Ion:152 Resp: 45393
Ion Ratio Lower Upper
152 100
150 151.1 127.0 190.6
115 65.9 54.3 81.5



#5
2-Fluorophenol
Concen: 85.022 ng
RT: 5.493 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

Tgt Ion:112 Resp: 256381
Ion Ratio Lower Upper
112 100
64 77.3 61.4 92.0
63 44.4 33.0 49.4

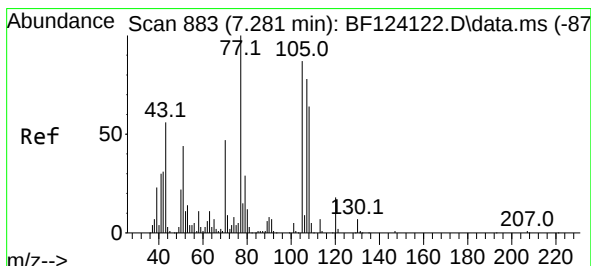
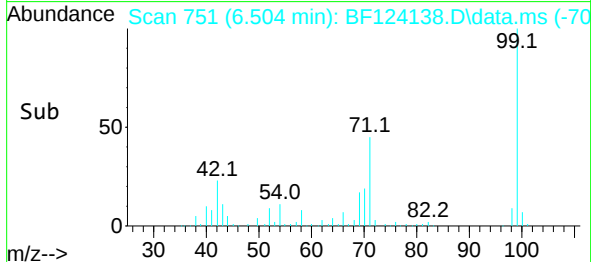
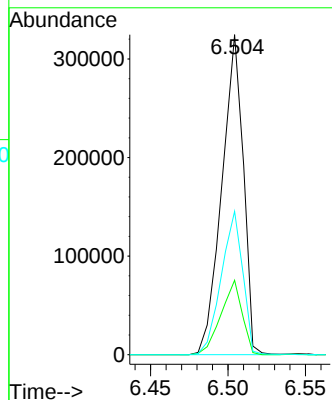
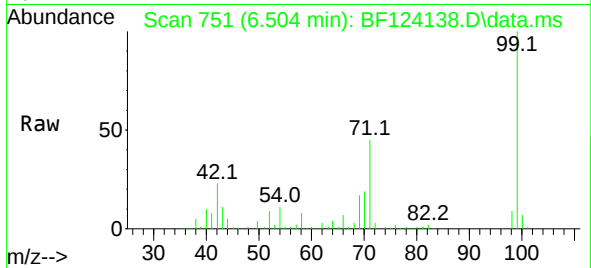




#7
Phenol-d6
Concen: 76.950 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

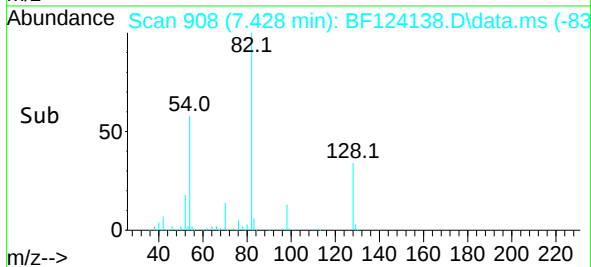
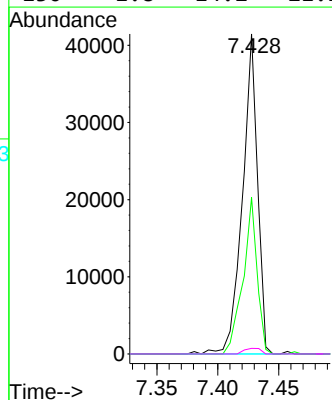
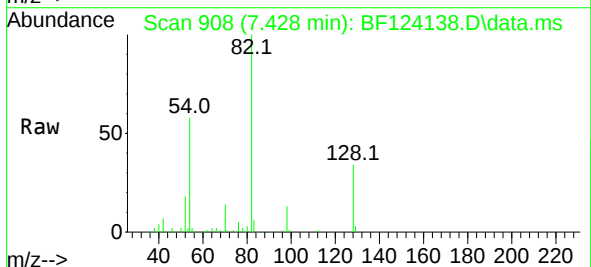
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-A

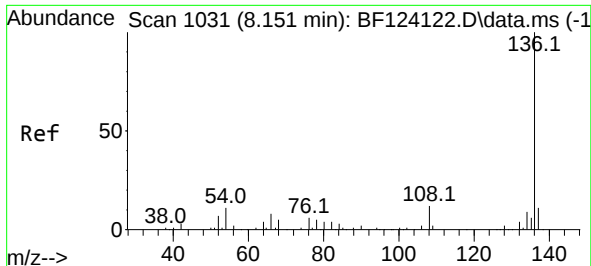
Tgt Ion: 99 Resp: 311899
Ion Ratio Lower Upper
99 100
42 23.2 19.8 29.8
71 44.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.437 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

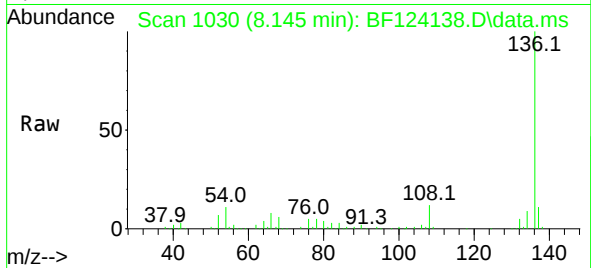
Tgt Ion: 70 Resp: 35585
Ion Ratio Lower Upper
70 100
42 48.9 60.1 90.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.2#



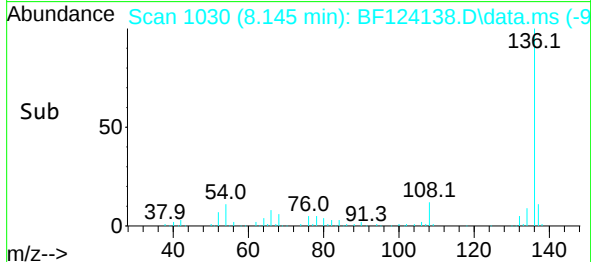
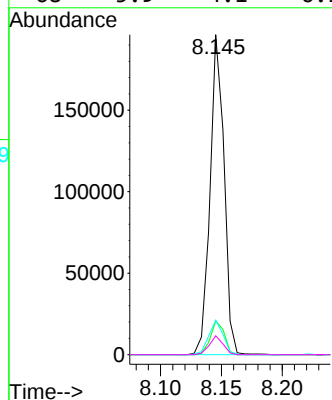


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-A

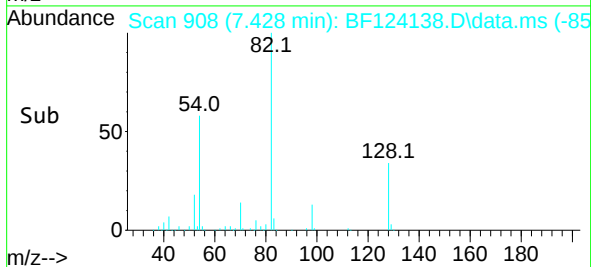
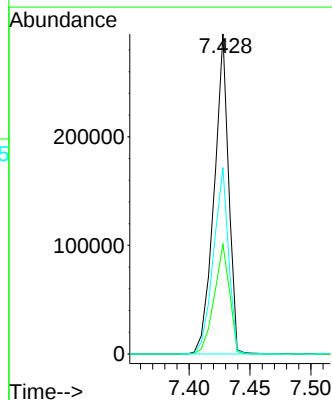
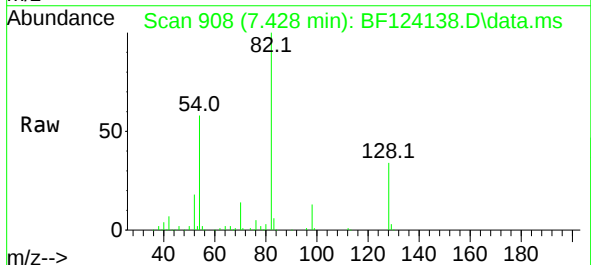


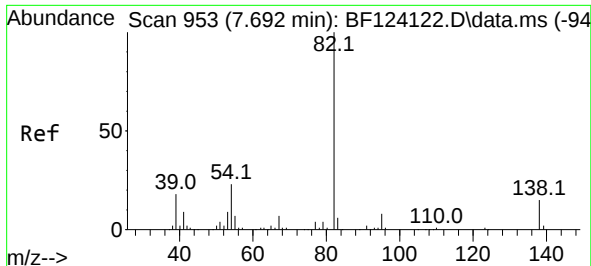
Tgt Ion:	136	Resp:	156856
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.7	13.1
54	10.8	9.8	14.6
68	5.9	4.1	6.1



#23
Nitrobenzene-d5
Concen: 61.553 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

Tgt Ion:	82	Resp:	243434
Ion Ratio	Lower	Upper	
82	100		
128	34.3	29.4	44.2
54	58.3	54.1	81.1

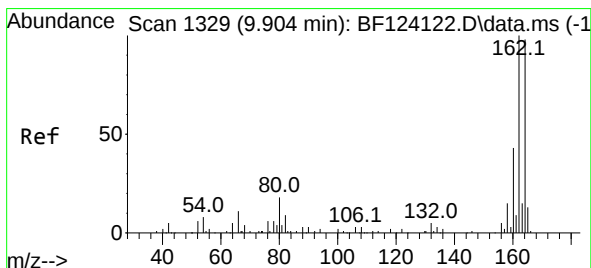
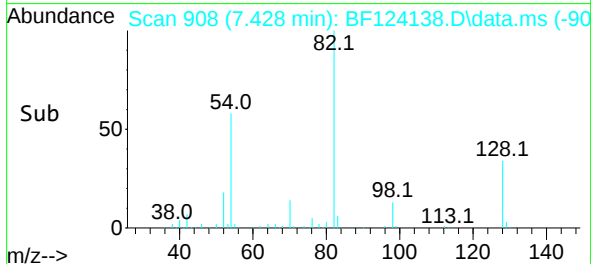
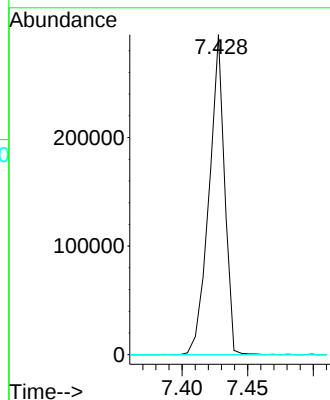
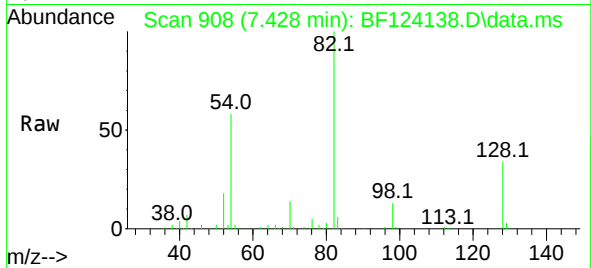




#25
Isophorone
Concen: 34.157 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

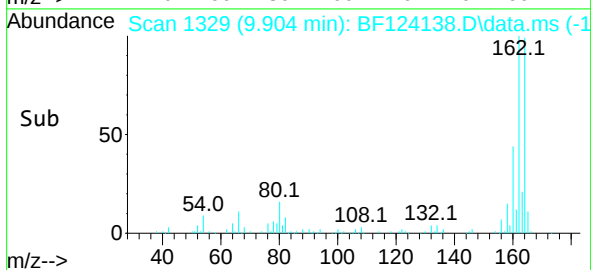
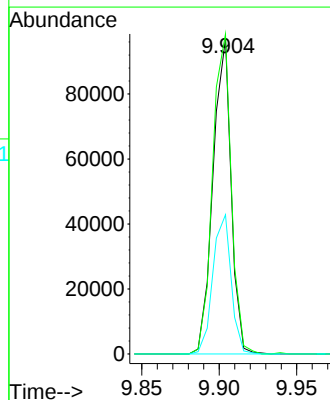
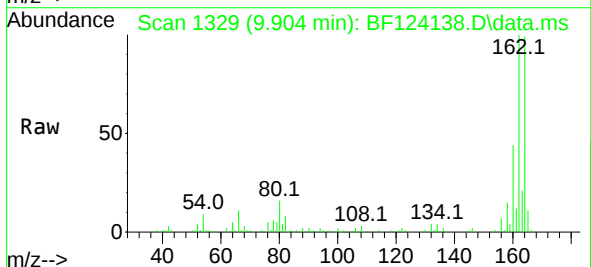
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-A

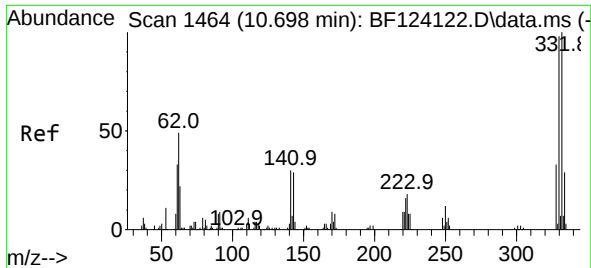
Tgt Ion: 82 Resp: 243430
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

Tgt Ion:164 Resp: 78591
Ion Ratio Lower Upper
164 100
162 101.5 80.7 121.1
160 44.2 37.3 55.9

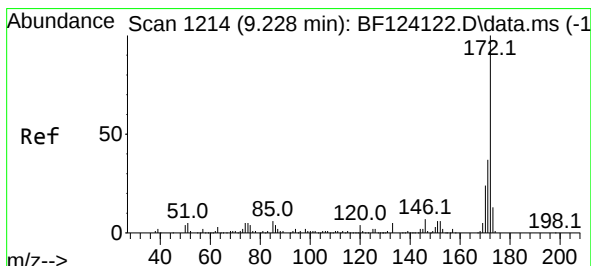
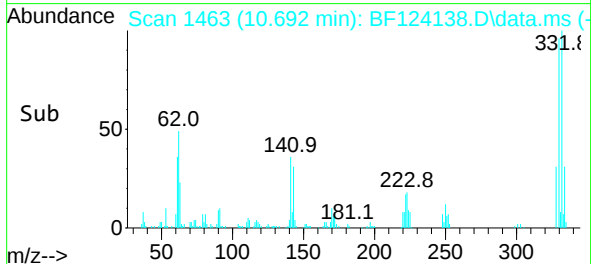
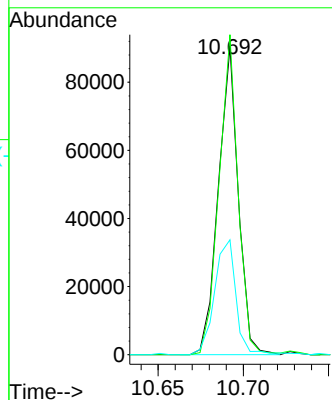
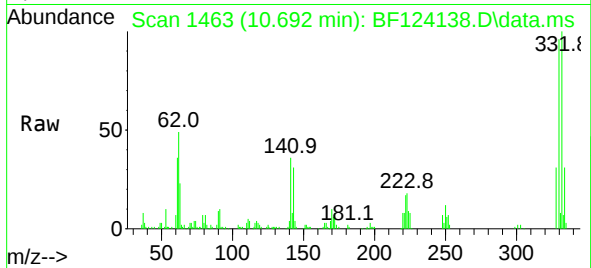




#42
2,4,6-Tribromophenol
Concen: 66.090 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

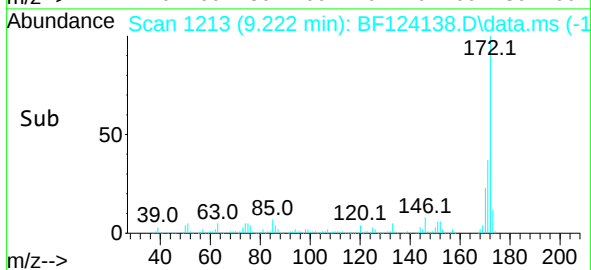
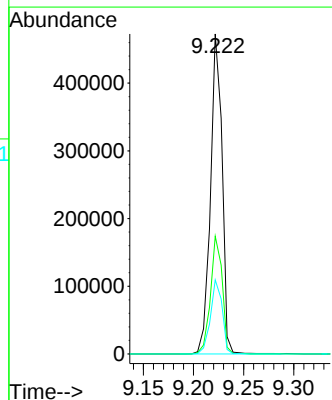
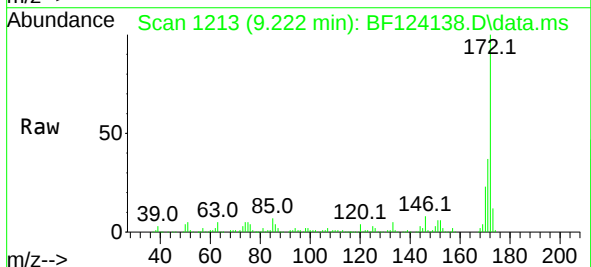
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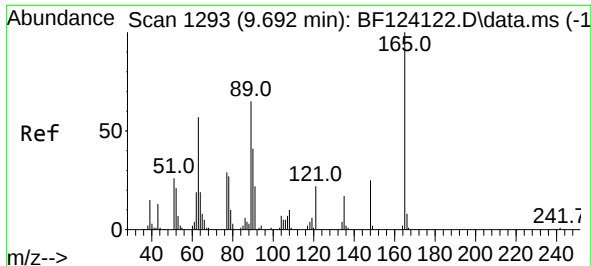
Tgt Ion: 330 Resp: 73588
Ion Ratio Lower Upper
330 100
332 99.3 77.1 115.7
141 40.3 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 61.113 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

Tgt Ion: 172 Resp: 381678
Ion Ratio Lower Upper
172 100
171 36.8 28.1 42.1
170 23.2 19.2 28.8

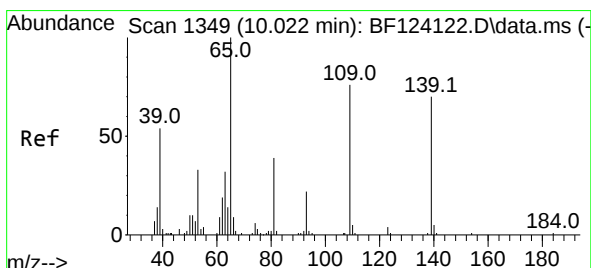
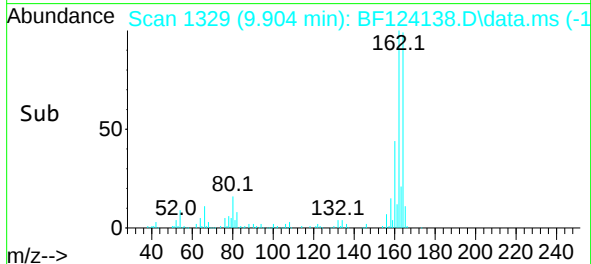
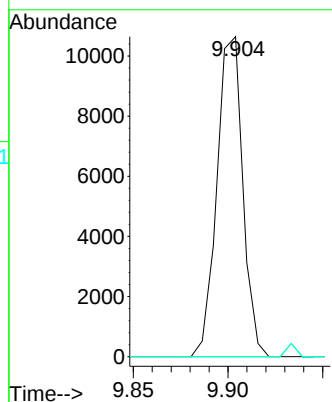
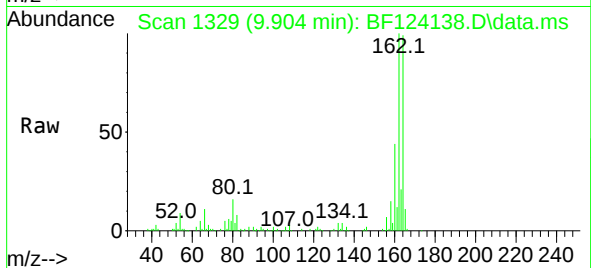




#51
2,6-Dinitrotoluene
Concen: 6.789 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

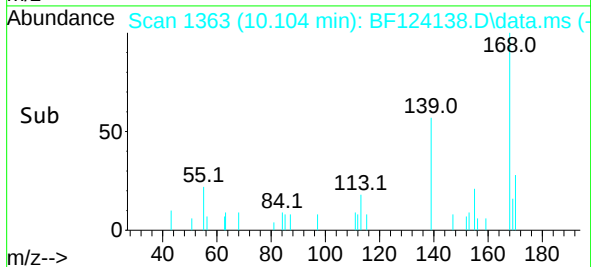
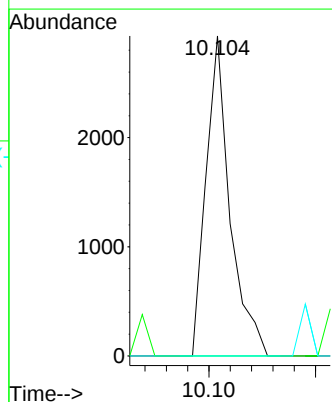
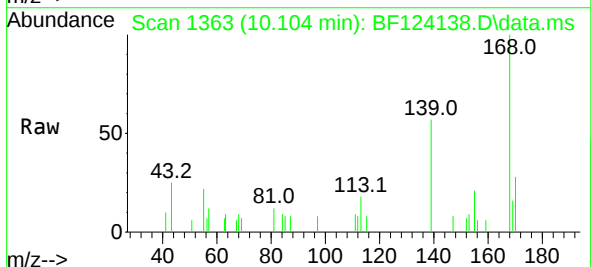
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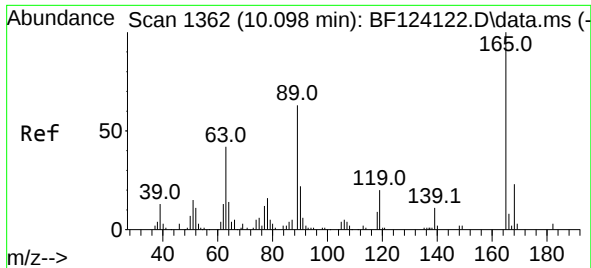
Tgt Ion:165 Resp: 10121
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



#56
4-Nitrophenol
Concen: 2.291 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.082 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

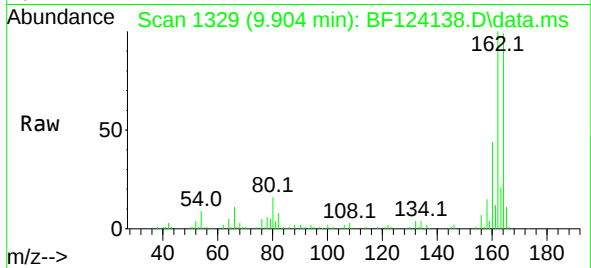
Tgt Ion:139 Resp: 2285
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



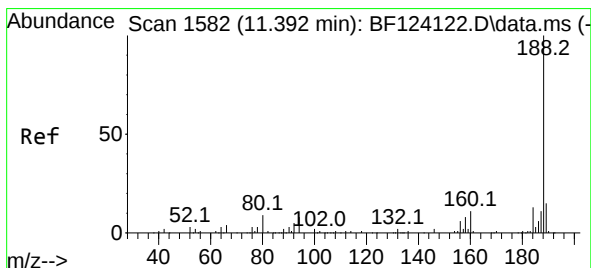
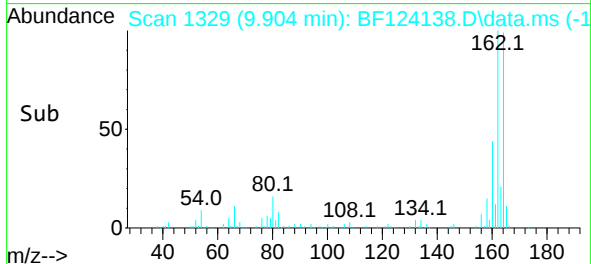
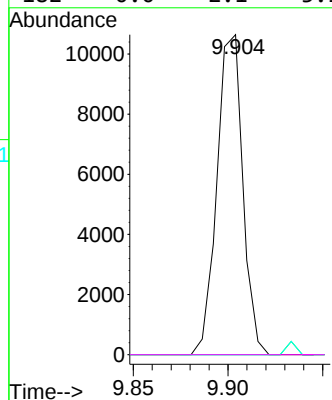


#57
2,4-Dinitrotoluene
Concen: 5.147 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-A

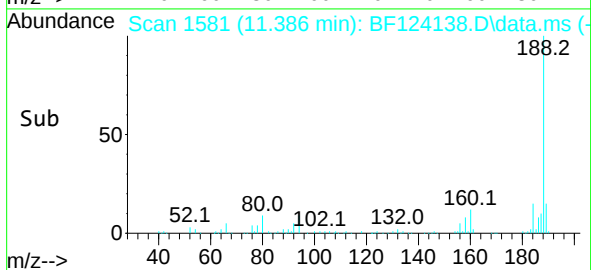
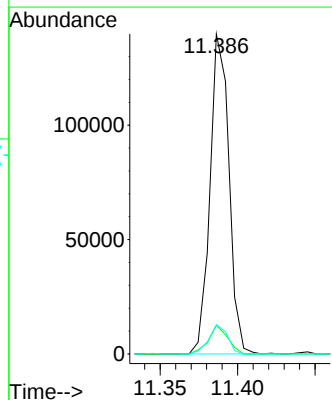
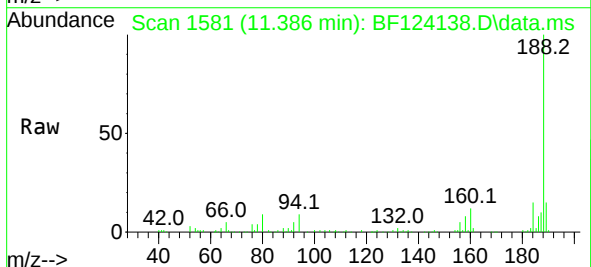


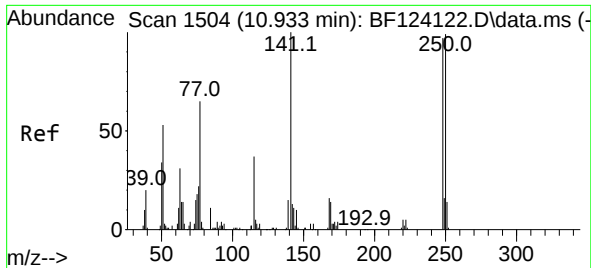
Tgt Ion:165 Resp: 10121
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

Tgt Ion:188 Resp: 118865
Ion Ratio Lower Upper
188 100
94 9.0 6.9 10.3
80 9.1 8.2 12.2

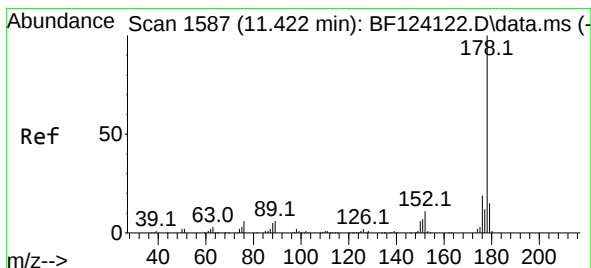
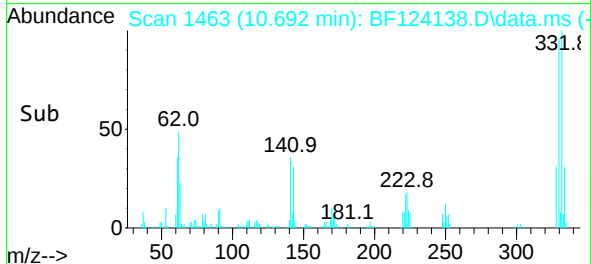
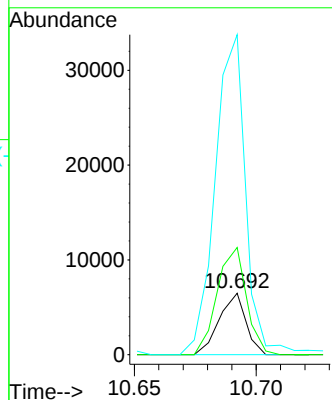
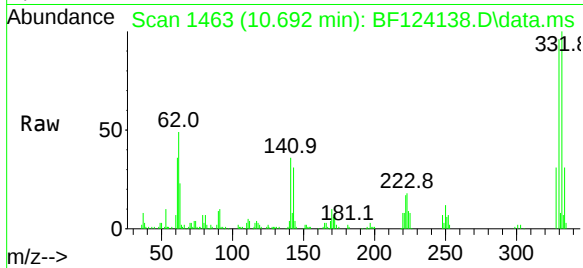




#67
4-Bromophenyl-phenylether
Concen: 3.021 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.241 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

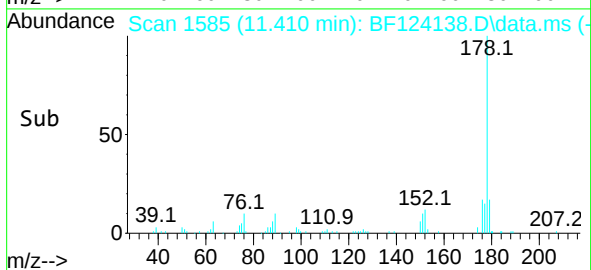
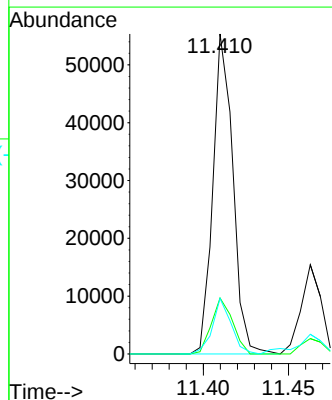
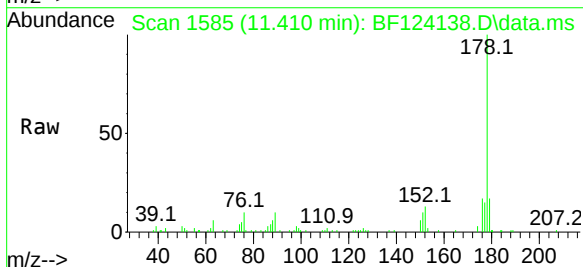
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-A

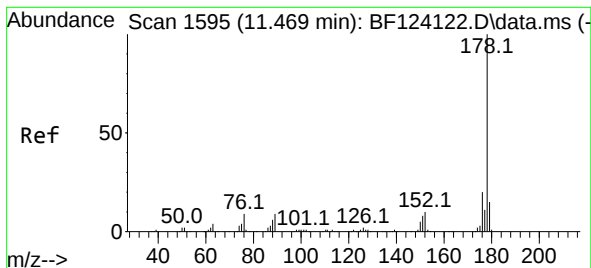
Tgt Ion:248 Resp: 4928
Ion Ratio Lower Upper
248 100
250 174.3 77.4 116.2#
141 520.3 63.7 95.5#



#71
Phenanthrene
Concen: 6.097 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

Tgt Ion:178 Resp: 45270
Ion Ratio Lower Upper
178 100
176 17.5 15.6 23.4
179 17.4 12.5 18.7

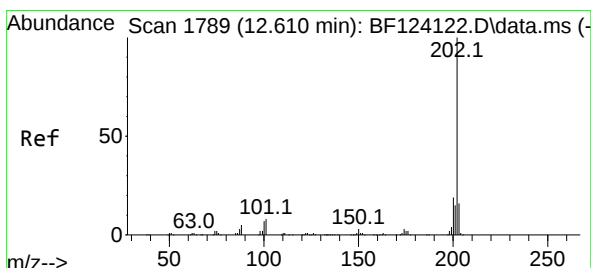
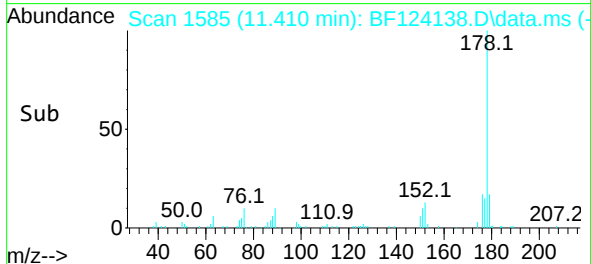
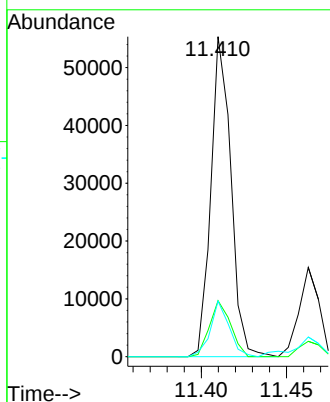
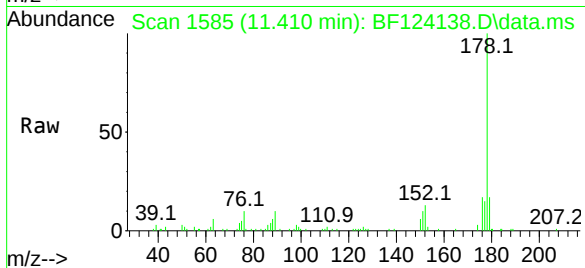




#72
 Anthracene
 Concen: 6.054 ng
 RT: 11.410 min Scan# 1585
 Delta R.T. -0.059 min
 Lab File: BF124138.D
 Acq: 4 Jun 2021 14:16

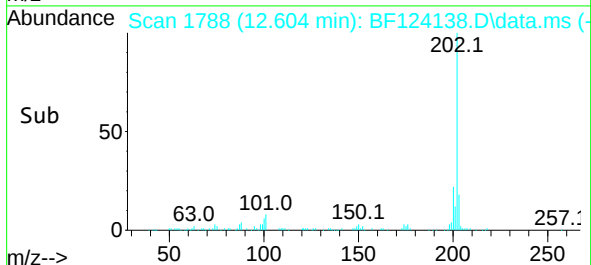
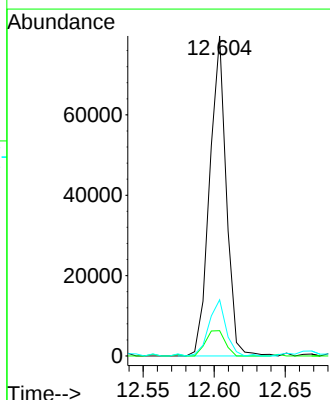
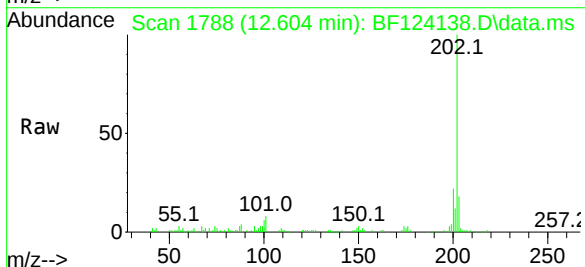
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-073-A

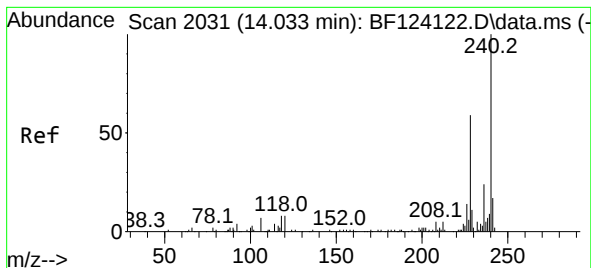
Tgt Ion:178 Resp: 45270
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.4 23.0
 179 17.4 12.6 18.8



#75
 Fluoranthene
 Concen: 8.313 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF124138.D
 Acq: 4 Jun 2021 14:16

Tgt Ion:202 Resp: 64792
 Ion Ratio Lower Upper
 202 100
 101 7.9 0.0 30.9
 203 17.5 0.0 37.5

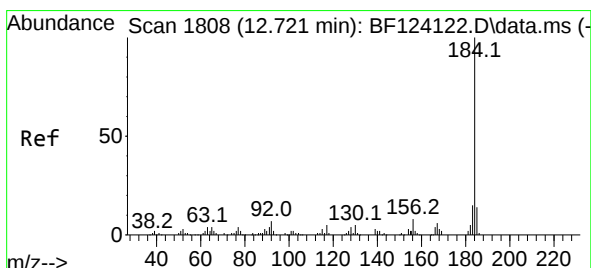
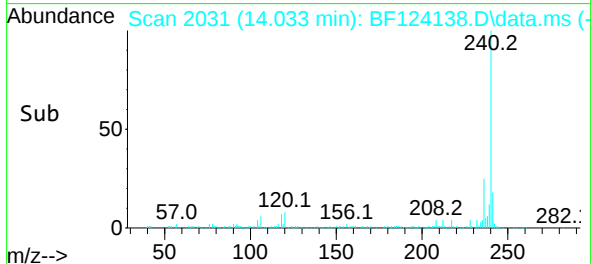
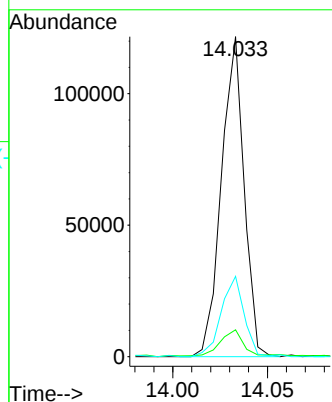
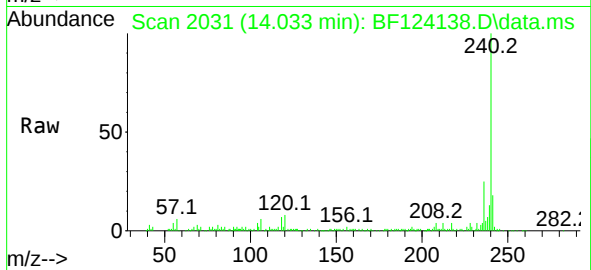




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

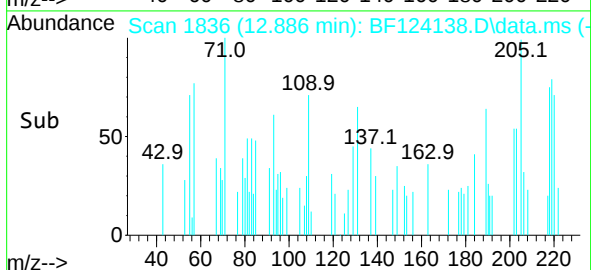
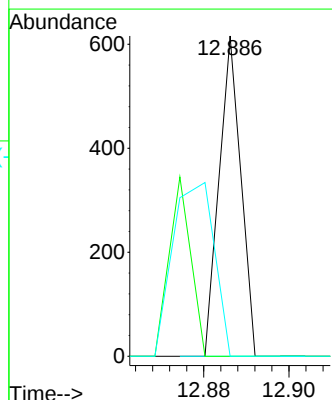
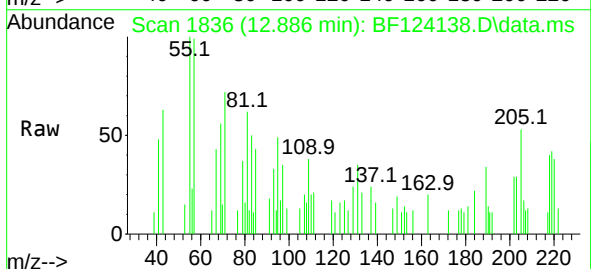
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-A

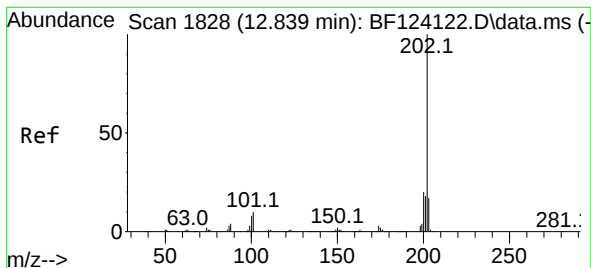
Tgt Ion:240 Resp: 101347
Ion Ratio Lower Upper
240 100
120 8.4 7.2 10.8
236 25.1 19.0 28.4



#77
Benzidine
Concen: 4.145 ng
RT: 12.886 min Scan# 1836
Delta R.T. 0.165 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

Tgt Ion:184 Resp: 217
Ion Ratio Lower Upper
184 100
185 0.0 12.1 18.1#
183 0.0 7.8 11.8#





#78

Pyrene

Concen: 6.084 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF124138.D

Acq: 4 Jun 2021 14:16

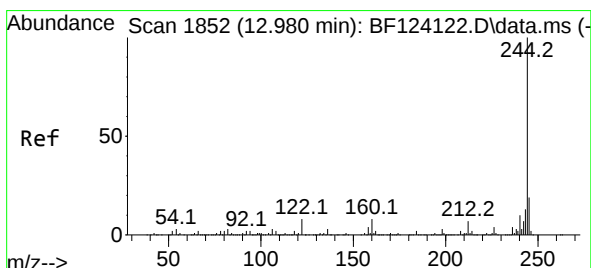
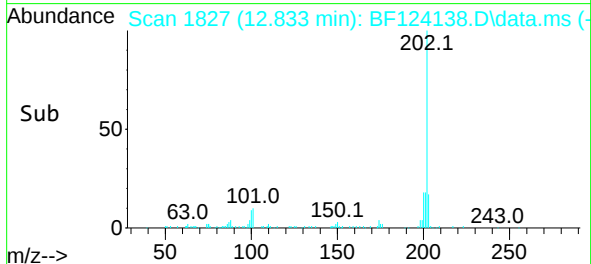
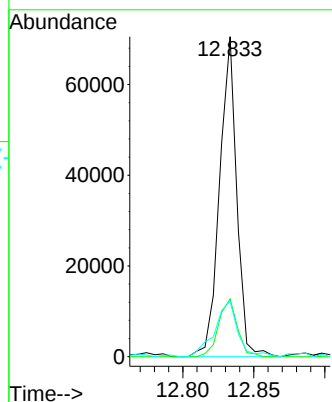
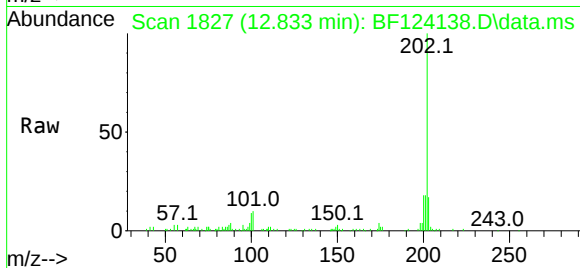
Tgt Ion:202 Resp: 59205

Ion Ratio Lower Upper

202 100

200 18.1 16.1 24.1

203 17.3 14.8 22.2



#79

Terphenyl-d14

Concen: 43.580 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF124138.D

Acq: 4 Jun 2021 14:16

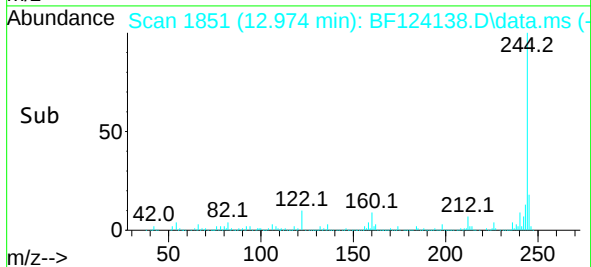
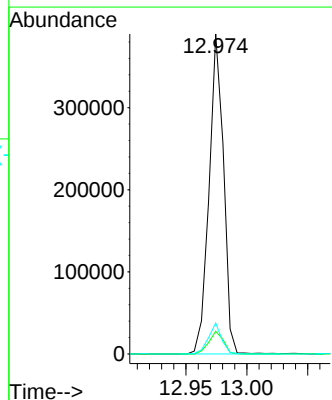
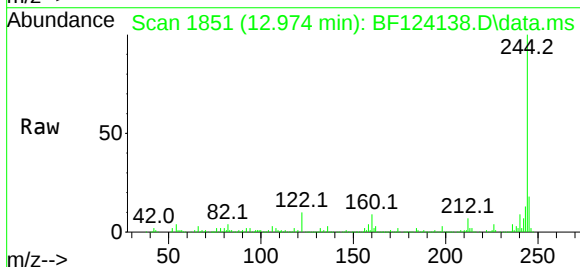
Tgt Ion:244 Resp: 321690

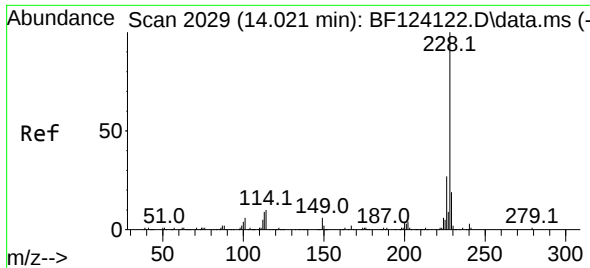
Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

122 9.6 9.7 14.5#

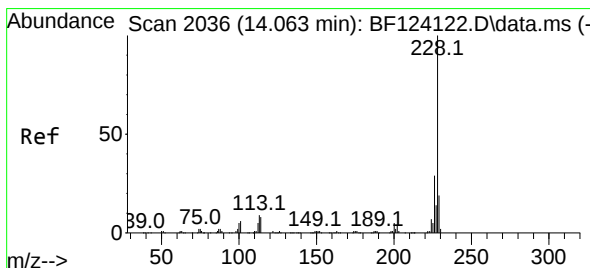
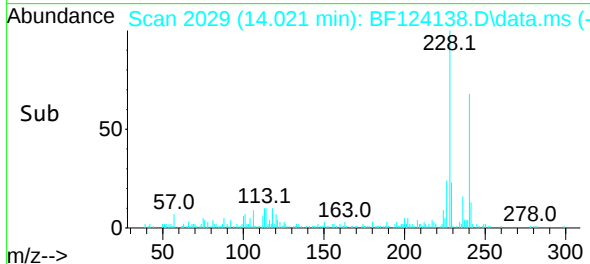
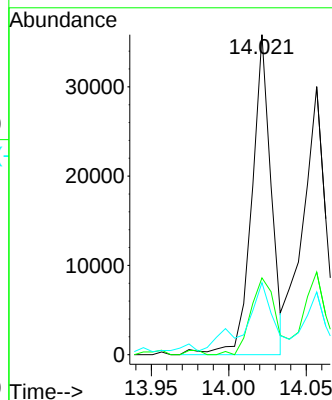
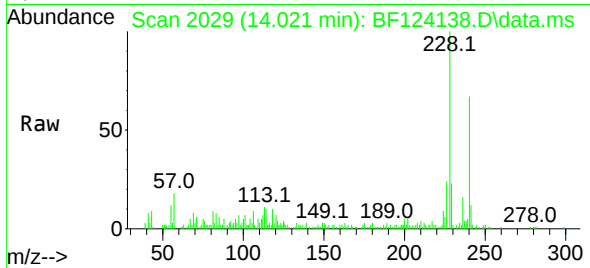




#81
Benzo(a)anthracene
Concen: 4.197 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

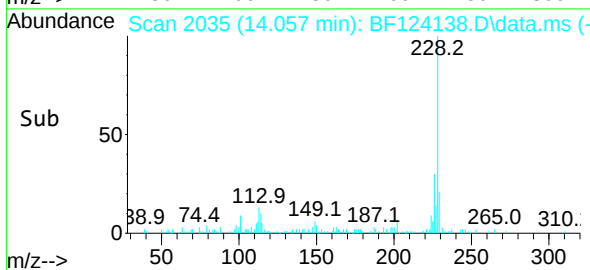
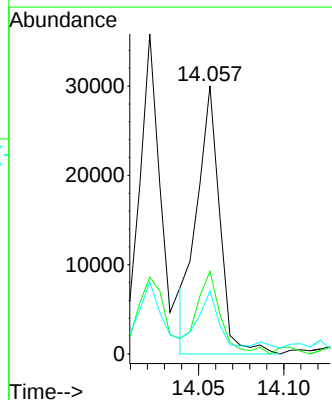
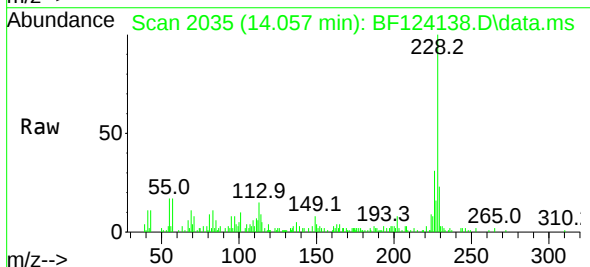
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-A

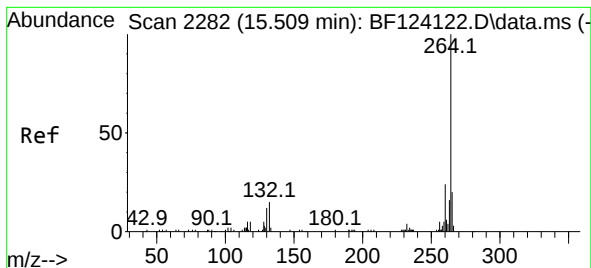
Tgt Ion:228 Resp: 30988
Ion Ratio Lower Upper
228 100
226 24.0 22.4 33.6
229 22.5 16.0 24.0



#83
Chrysene
Concen: 3.960 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

Tgt Ion:228 Resp: 28210
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 23.4 16.2 24.2

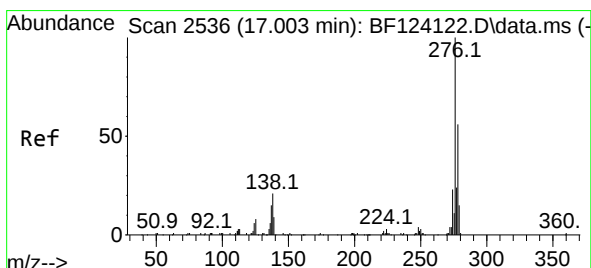
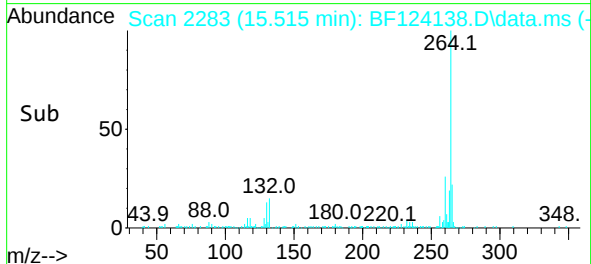
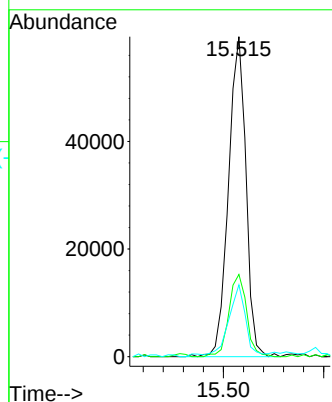
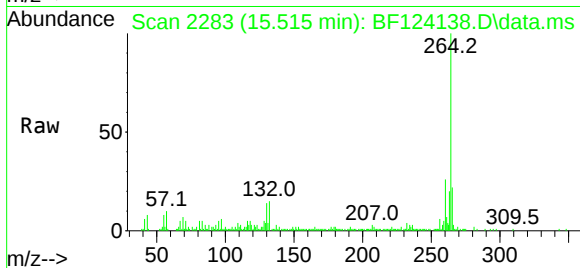




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

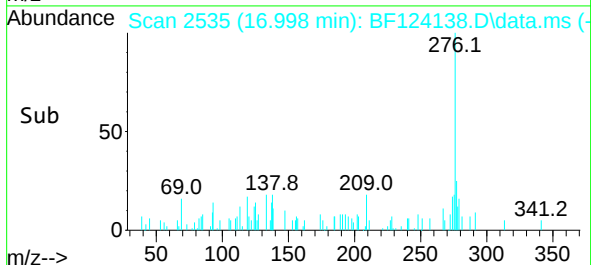
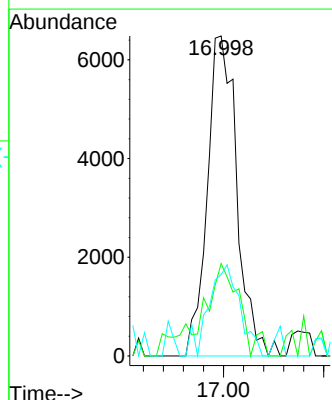
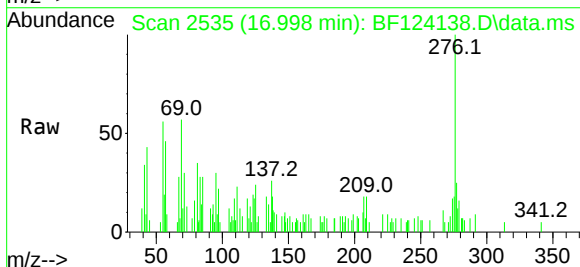
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-A

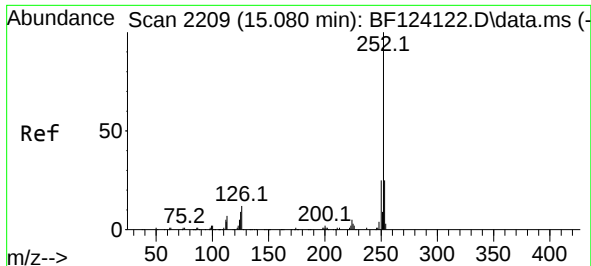
Tgt Ion:264 Resp: 71862
Ion Ratio Lower Upper
264 100
260 25.7 18.7 28.1
265 22.5 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.357 ng
RT: 16.998 min Scan# 2535
Delta R.T. -0.005 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

Tgt Ion:276 Resp: 13294
Ion Ratio Lower Upper
276 100
138 36.0 16.2 24.2#
277 30.4 20.1 30.1#

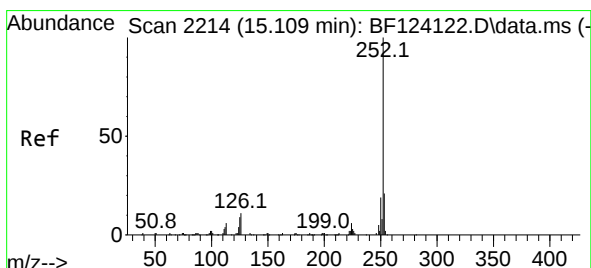
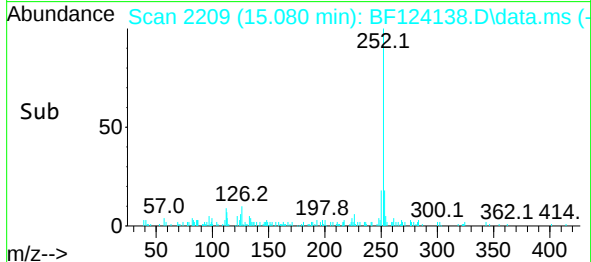
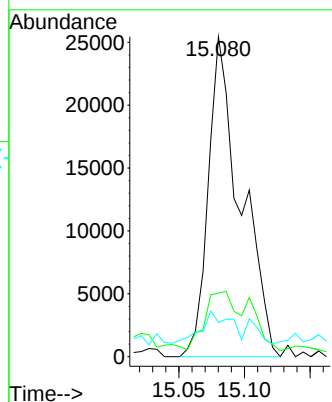
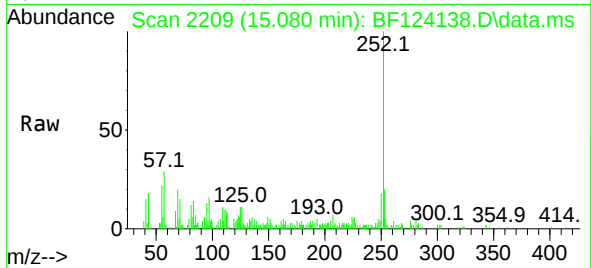




#88
Benzo(b)fluoranthene
Concen: 7.828 ng
RT: 15.080 min Scan# 2209
Delta R.T. 0.000 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

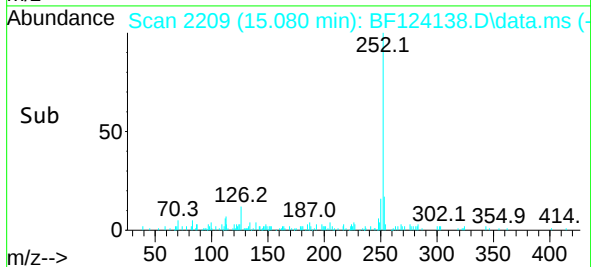
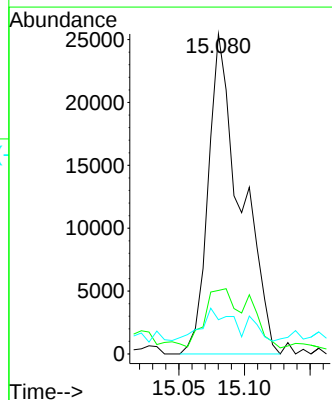
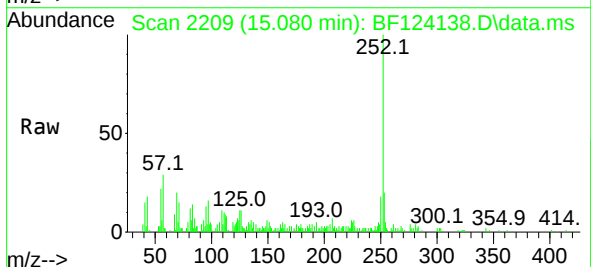
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-A

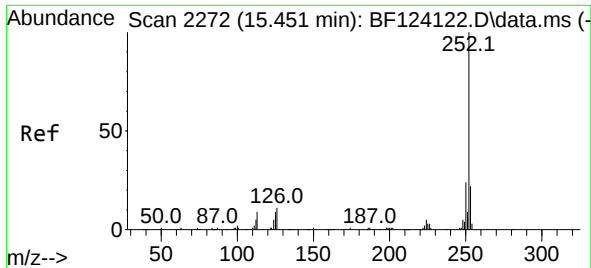
Tgt Ion:252 Resp: 43698
Ion Ratio Lower Upper
252 100
253 19.8 18.1 27.1
125 10.7 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 8.269 ng
RT: 15.080 min Scan# 2209
Delta R.T. -0.029 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

Tgt Ion:252 Resp: 43698
Ion Ratio Lower Upper
252 100
253 19.8 17.9 26.9
125 10.7 7.0 10.6#

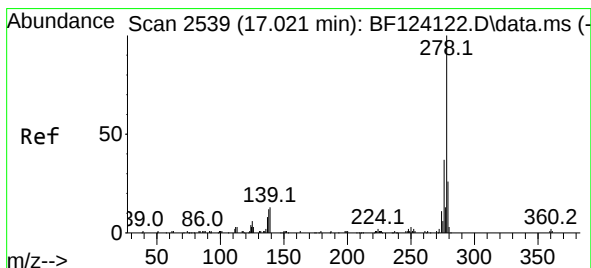
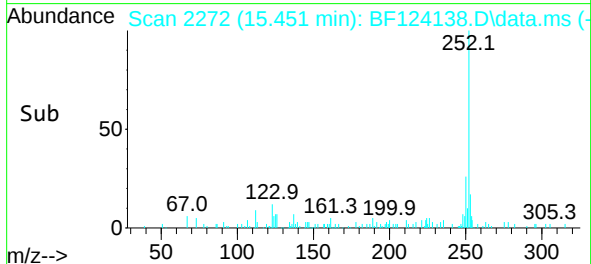
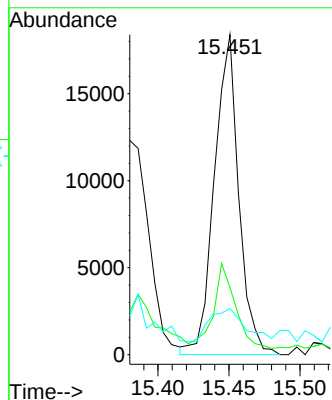
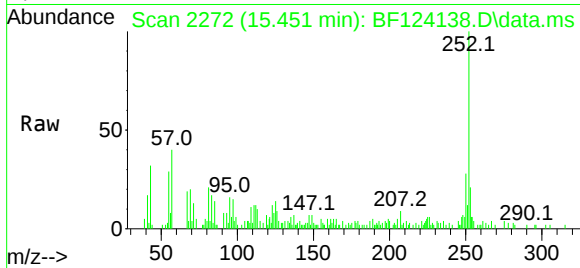




#90
Benzo(a)pyrene
Concen: 4.525 ng
RT: 15.451 min Scan# 2272
Delta R.T. 0.000 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

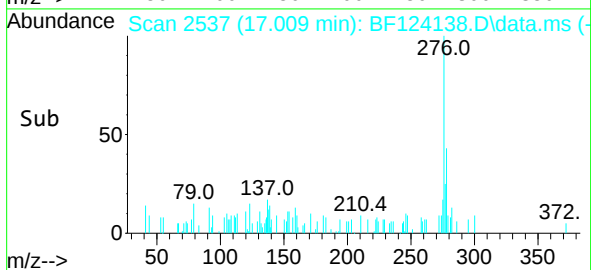
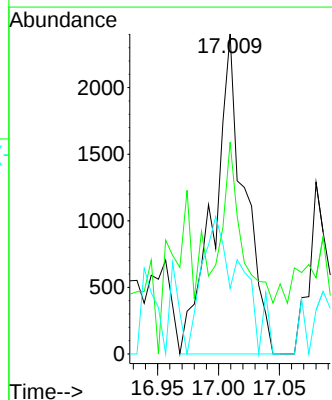
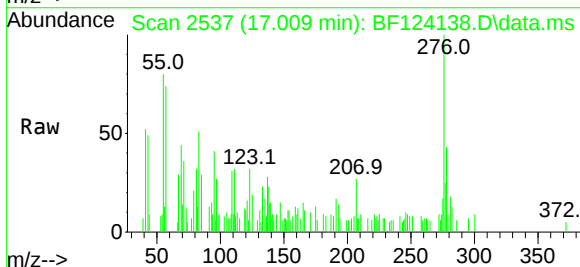
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-A

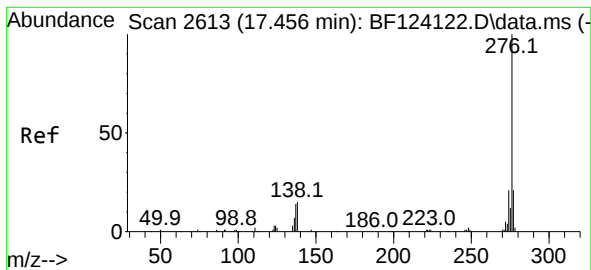
Tgt Ion:252 Resp: 21940
Ion Ratio Lower Upper
252 100
253 21.0 18.4 27.6
125 14.4 8.0 12.0#



#91
Dibenzo(a,h)anthracene
Concen: 4.926 ng
RT: 17.009 min Scan# 2537
Delta R.T. -0.012 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

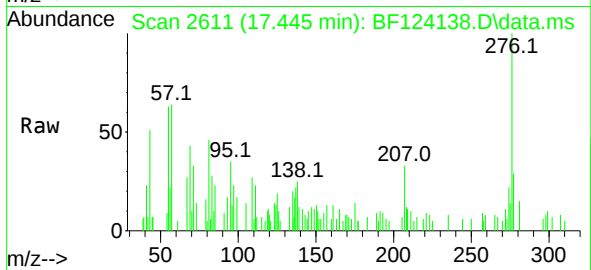
Tgt Ion:278 Resp: 4197
Ion Ratio Lower Upper
278 100
139 66.2 10.2 15.2#
279 20.5 19.4 29.0





#92
Benzo(g,h,i)perylene
Concen: 6.066 ng
RT: 17.445 min Scan# 2611
Delta R.T. -0.011 min
Lab File: BF124138.D
Acq: 4 Jun 2021 14:16

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-A



Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.0	18.2	27.2#
138	24.9	13.8	20.6#

