

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
 Data File : BF124141.D
 Acq On : 4 Jun 2021 15:54
 Operator : JU/CG
 Sample : M2587-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jun 04 16:27:43 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)

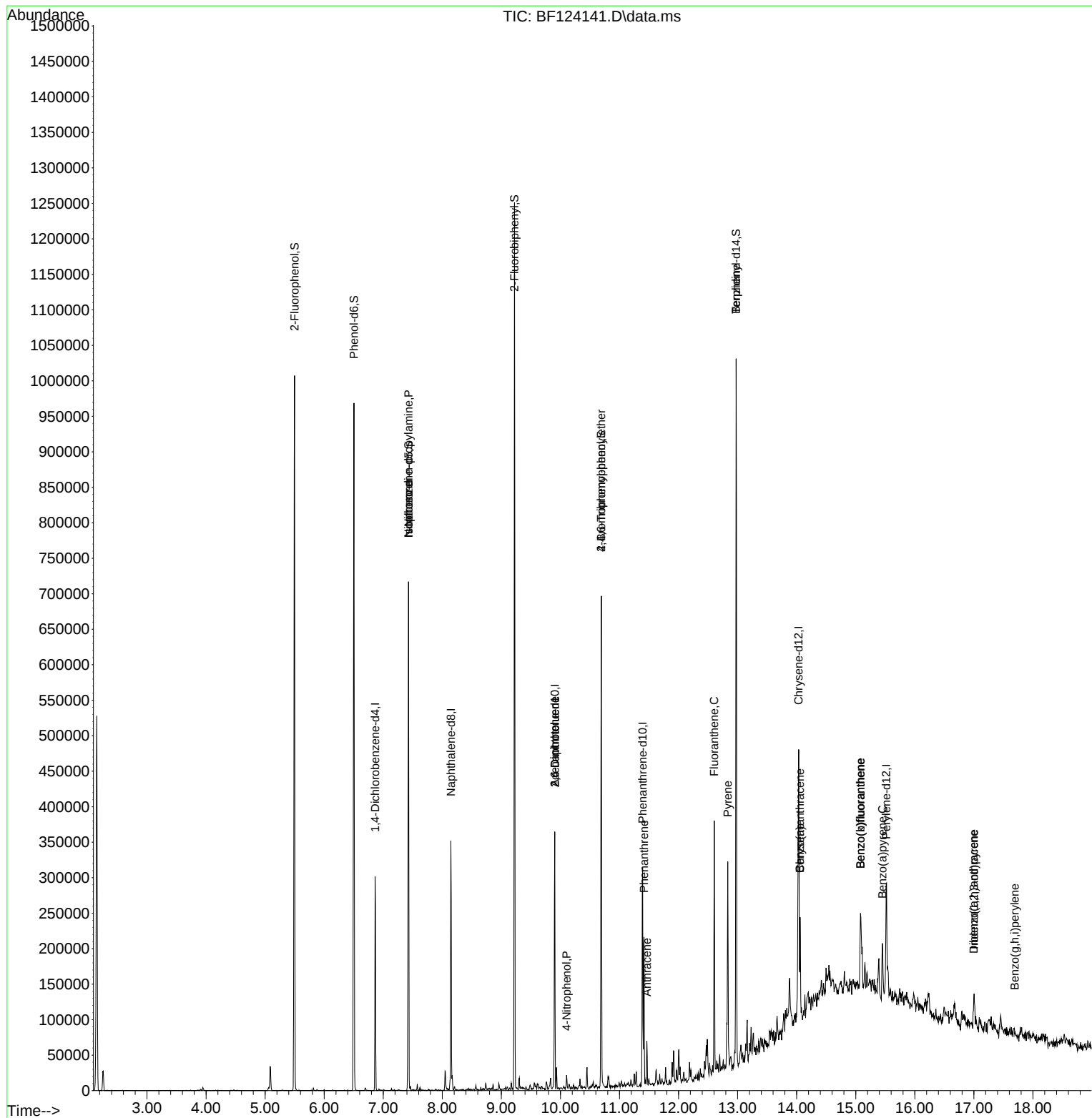
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	37860	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	131389	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	62456	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	103043	20.000	ng	0.00
76) Chrysene-d12	14.033	240	91764	20.000	ng	0.00
86) Perylene-d12	15.515	264	67190	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	224124	89.113	ng	0.00
7) Phenol-d6	6.504	99	263245	77.869	ng	0.00
23) Nitrobenzene-d5	7.428	82	197453	59.603	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	64341	72.714	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	306798	61.814	ng	0.00
79) Terphenyl-d14	12.974	244	281633	42.137	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	29105	12.196	ng	# 68
25) Isophorone	7.428	82	197450	33.076	ng	# 69
51) 2,6-Dinitrotoluene	9.904	165	8028	6.776	ng	# 10
56) 4-Nitrophenol	10.104	139	2356	2.973	ng	# 1
57) 2,4-Dinitrotoluene	9.904	165	8028	5.138	ng	# 15
67) 4-Bromophenyl-phenylether	10.692	248	4720	3.337	ng	# 1
71) Phenanthrene	11.416	178	71822	11.158	ng	98
72) Anthracene	11.463	178	21251	3.278	ng	96
75) Fluoranthene	12.604	202	118134	17.484	ng	98
77) Benzidine	12.974	184	4921	6.167	ng	# 88
78) Pyrene	12.833	202	104186	11.824	ng	98
81) Benzo(a)anthracene	14.057	228	48958	7.324	ng	97
83) Chrysene	14.057	228	48958	7.591	ng	95
87) Indeno(1,2,3-cd)pyrene	17.003	276	19347	7.482	ng	# 89
88) Benzo(b)fluoranthene	15.080	252	67379	12.909	ng	# 97
89) Benzo(k)fluoranthene	15.080	252	67379	13.637	ng	# 97
90) Benzo(a)pyrene	15.451	252	32698	7.213	ng	# 90
91) Dibenzo(a,h)anthracene	16.998	278	6104	5.343	ng	# 35
92) Benzo(g,h,i)perylene	17.692	276	5310	4.845	ng	94

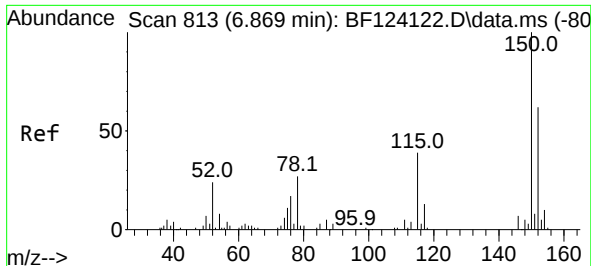
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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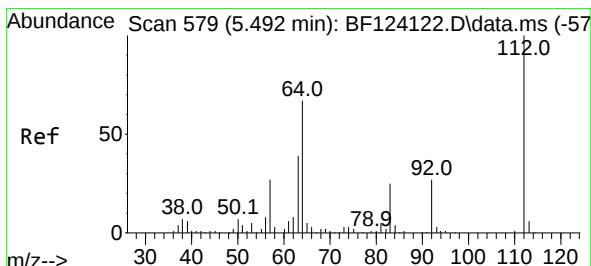
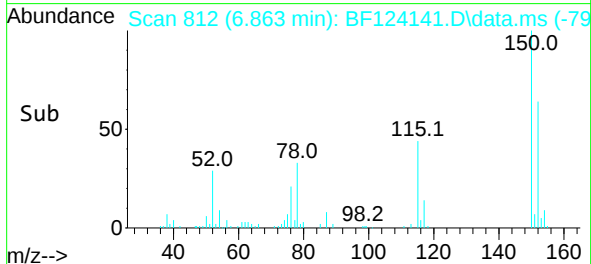
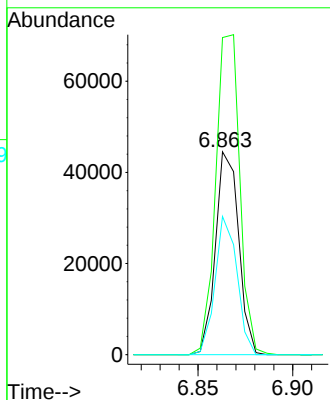
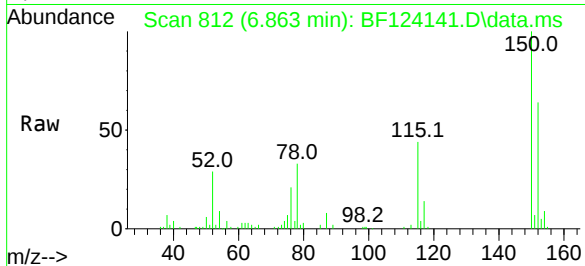




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

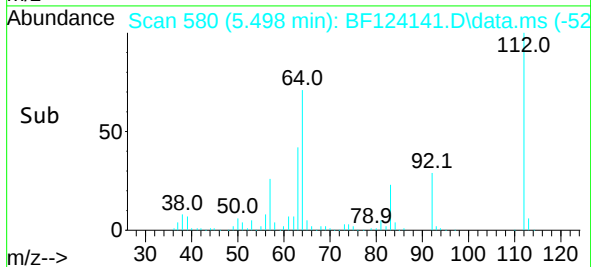
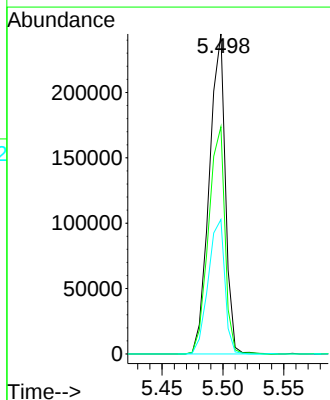
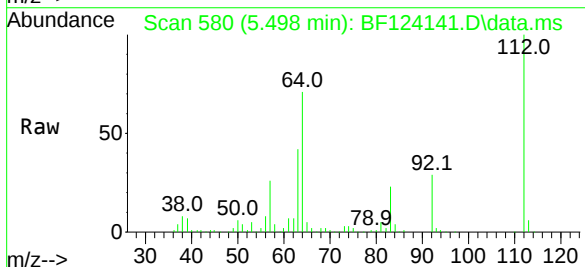
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-B

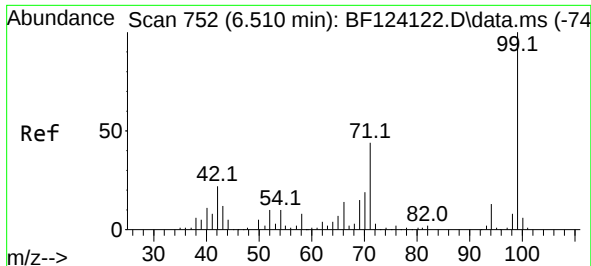
Tgt Ion:152 Resp: 37860
Ion Ratio Lower Upper
152 100
150 156.3 127.0 190.6
115 68.2 54.3 81.5



#5
2-Fluorophenol
Concen: 89.113 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion:112 Resp: 224124
Ion Ratio Lower Upper
112 100
64 71.0 61.4 92.0
63 42.0 33.0 49.4

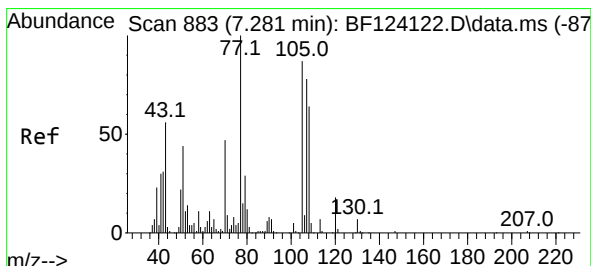
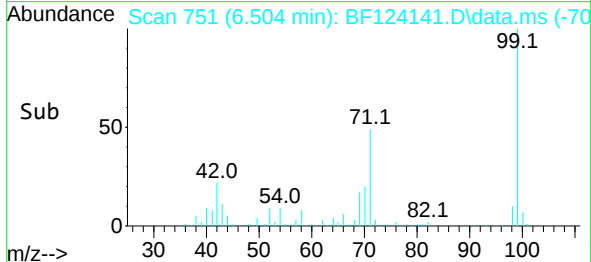
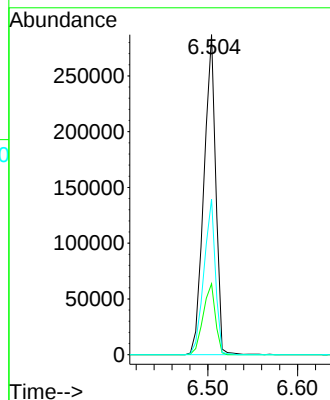
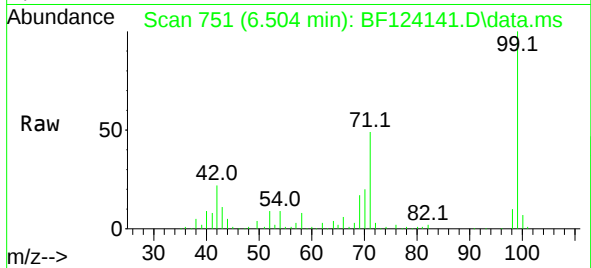




#7
Phenol-d6
Concen: 77.869 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

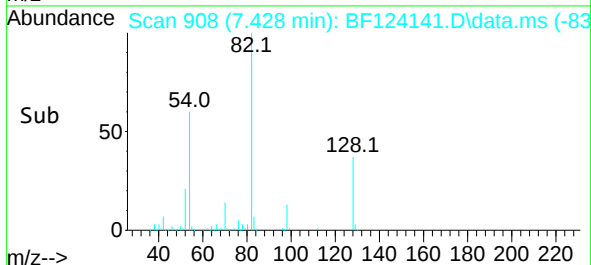
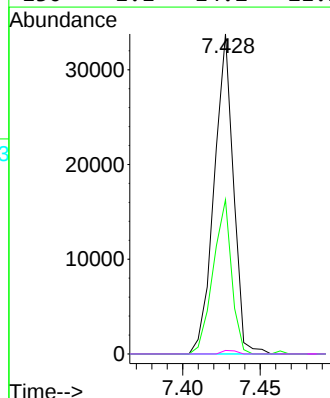
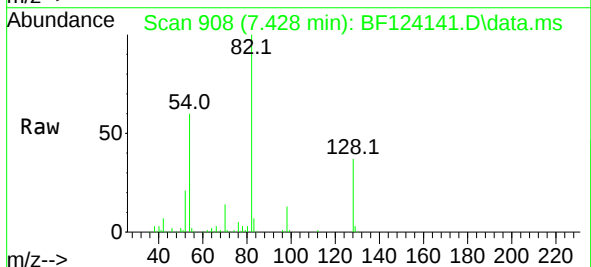
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-B

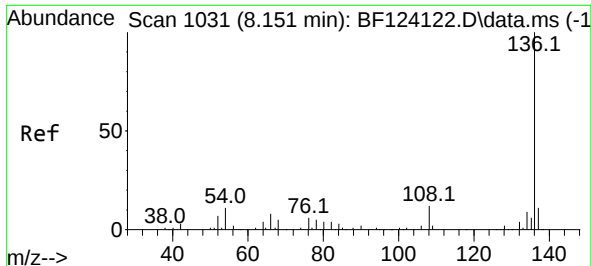
Tgt Ion: 99 Resp: 263245
Ion Ratio Lower Upper
99 100
42 22.2 19.8 29.8
71 48.6 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 12.196 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion: 70 Resp: 29105
Ion Ratio Lower Upper
70 100
42 48.2 60.1 90.1#
101 0.0 7.4 11.2#
130 1.1 14.2 21.2#

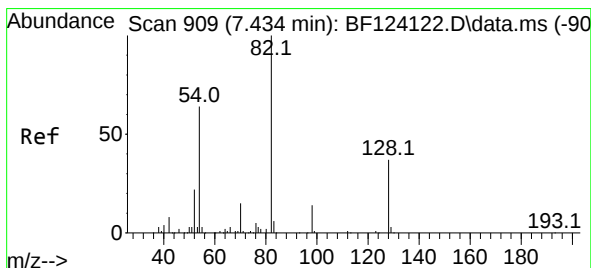
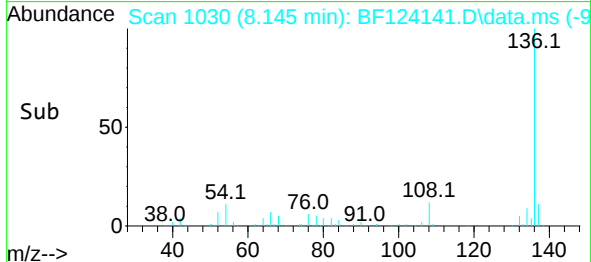
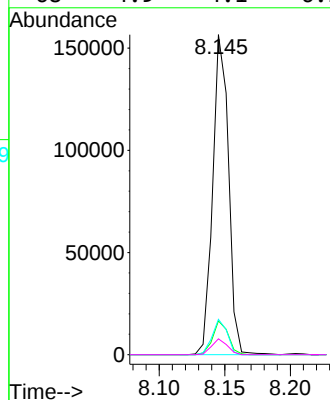
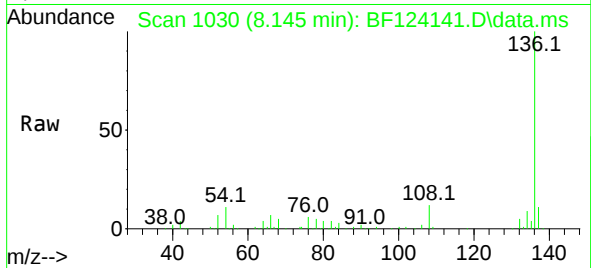




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

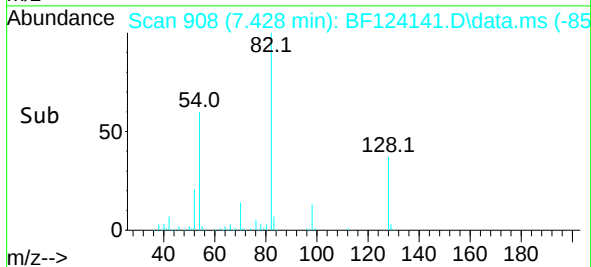
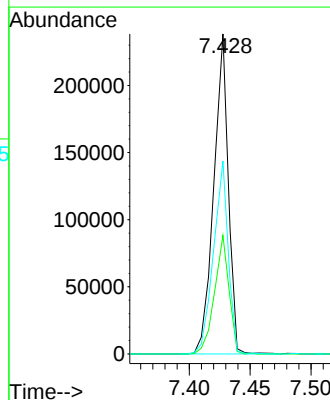
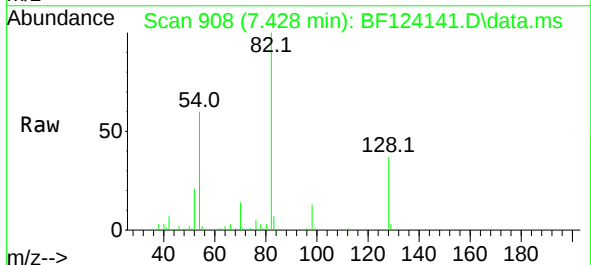
Instrument :
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ClientSampleId :
FK-GF-02-073-B

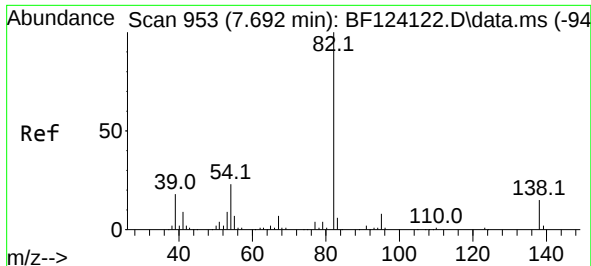
Tgt Ion:136	Resp: 131389
Ion Ratio	Lower Upper
136	100
137	10.6 8.7 13.1
54	11.0 9.8 14.6
68	4.9 4.1 6.1



#23
Nitrobenzene-d5
Concen: 59.603 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion: 82	Resp: 197453
Ion Ratio	Lower Upper
82	100
128	37.1 29.4 44.2
54	60.3 54.1 81.1

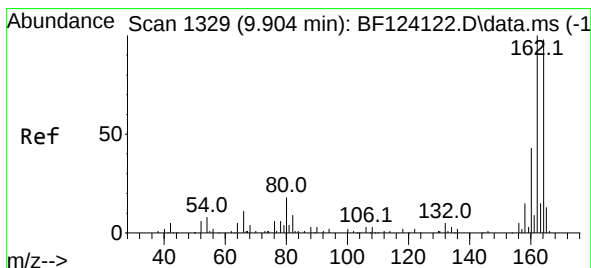
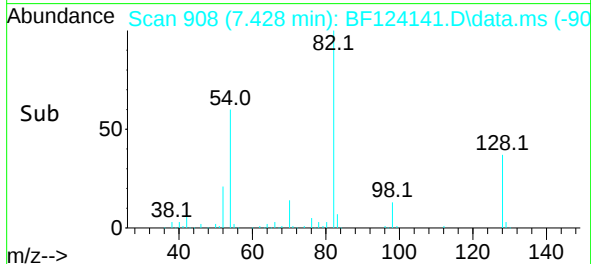
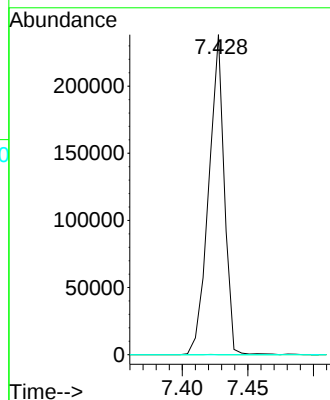
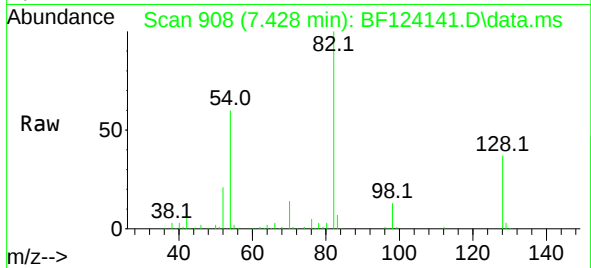




#25
Isophorone
Concen: 33.076 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

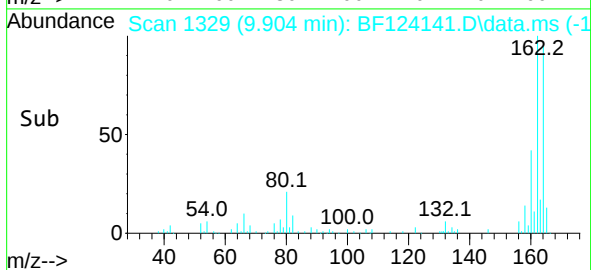
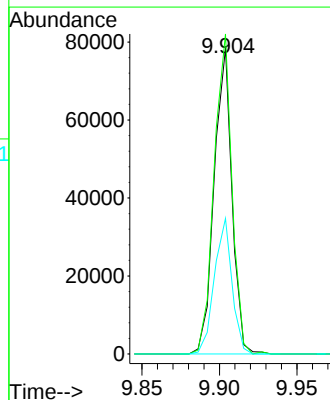
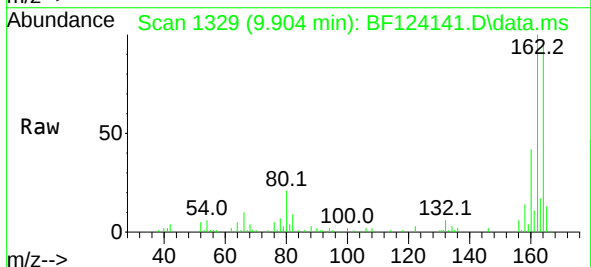
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-B

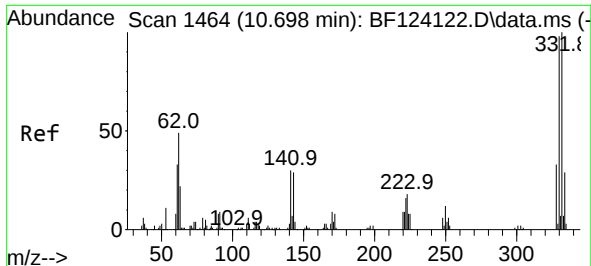
Tgt Ion: 82 Resp: 197450
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion: 164 Resp: 62456
Ion Ratio Lower Upper
164 100
162 104.7 80.7 121.1
160 44.3 37.3 55.9

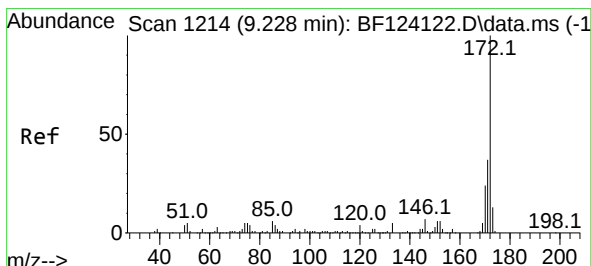
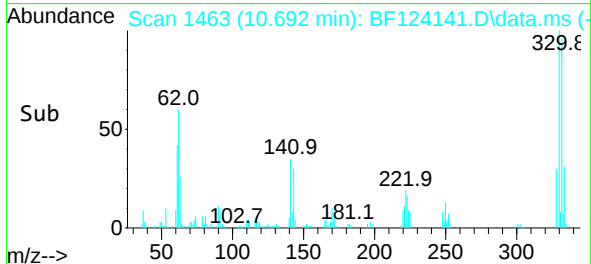
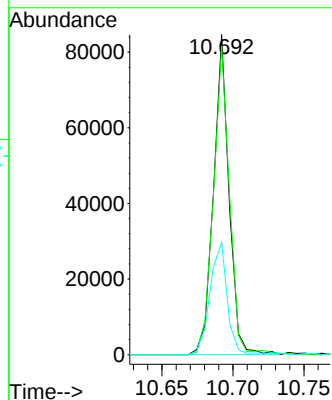
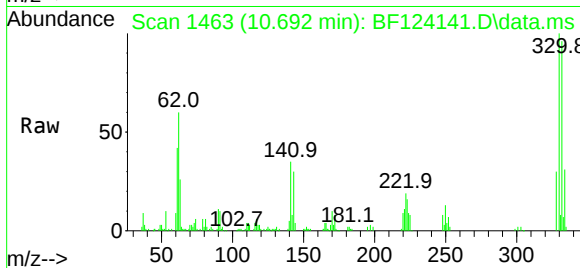




#42
2,4,6-Tribromophenol
Concen: 72.714 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

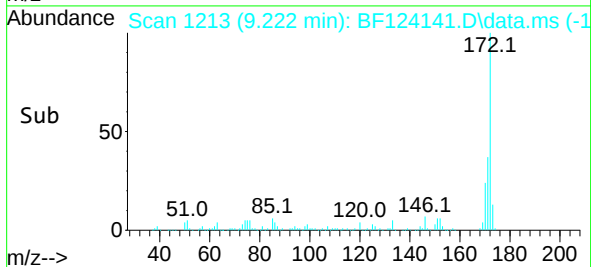
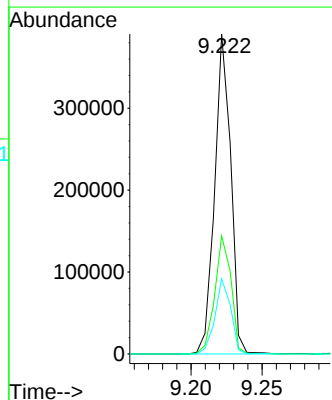
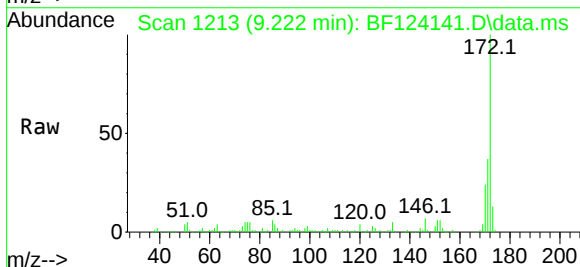
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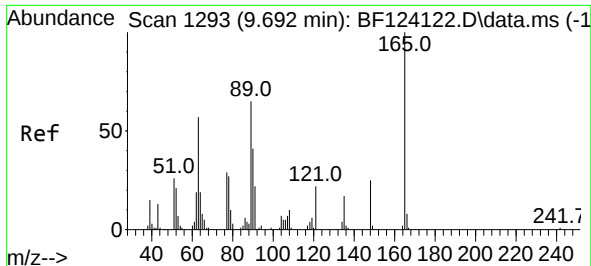
Tgt Ion: 330 Resp: 64341
Ion Ratio Lower Upper
330 100
332 100.1 77.1 115.7
141 39.4 27.9 41.9



#45
2-Fluorobiphenyl
Concen: 61.814 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion: 172 Resp: 306798
Ion Ratio Lower Upper
172 100
171 36.9 28.1 42.1
170 23.5 19.2 28.8

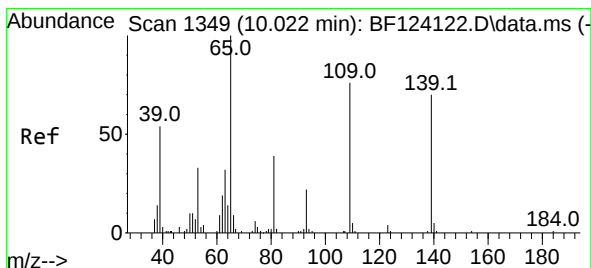
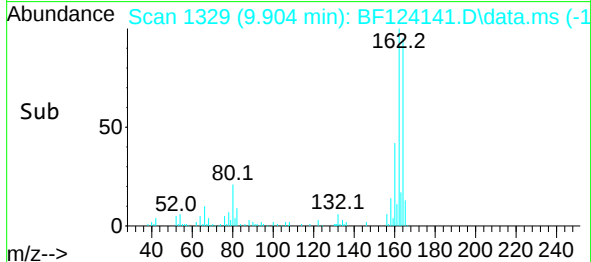
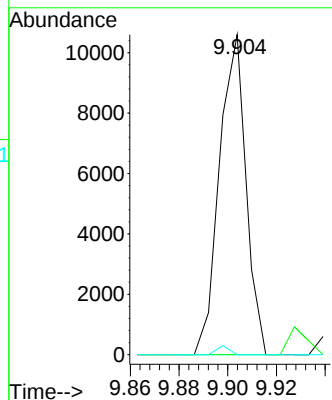
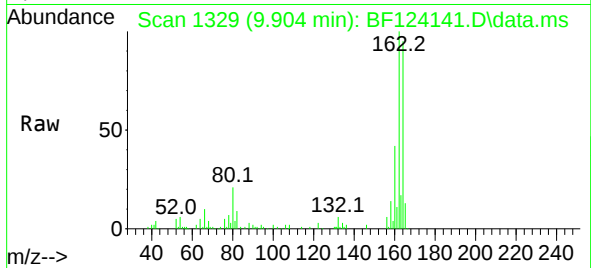




#51
2,6-Dinitrotoluene
Concen: 6.776 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

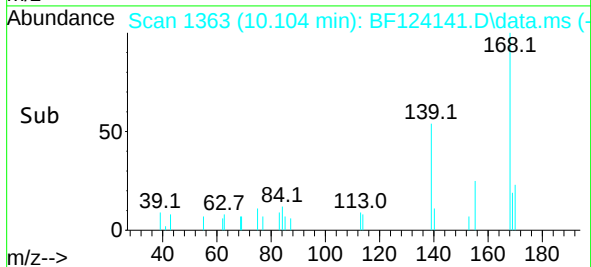
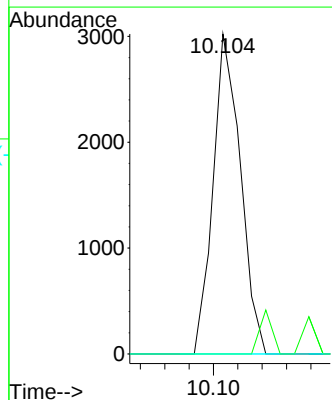
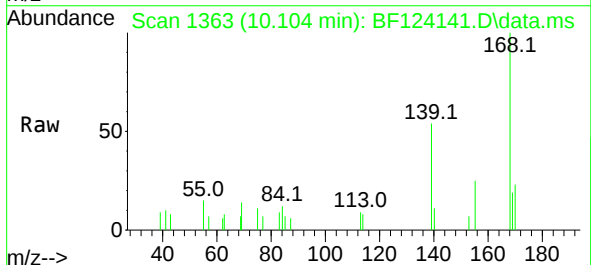
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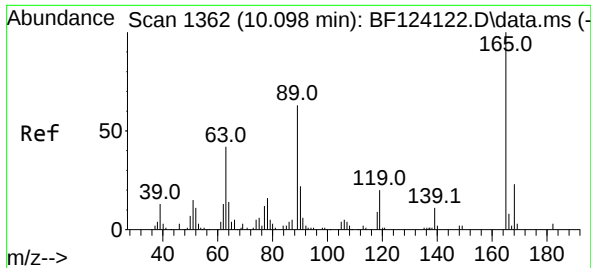
Tgt Ion:165 Resp: 8028
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



#56
4-Nitrophenol
Concen: 2.973 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.082 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

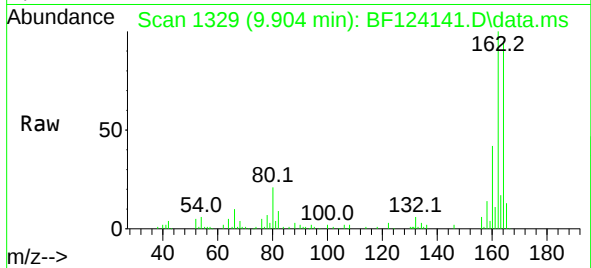
Tgt Ion:139 Resp: 2356
Ion Ratio Lower Upper
139 100
109 0.0 63.2 103.2#
65 0.0 110.0 150.0#



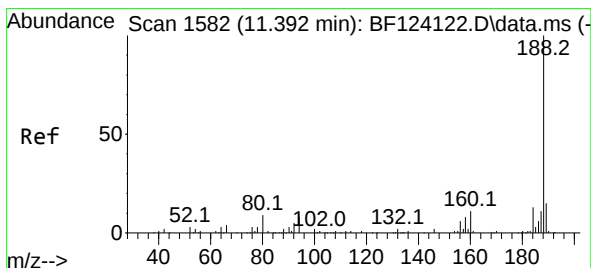
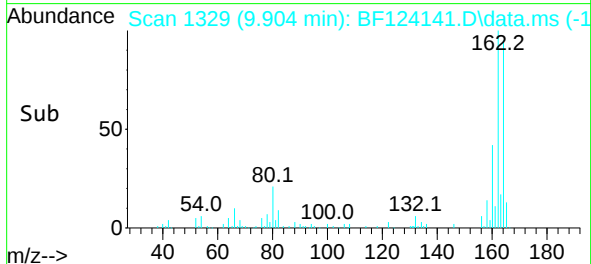
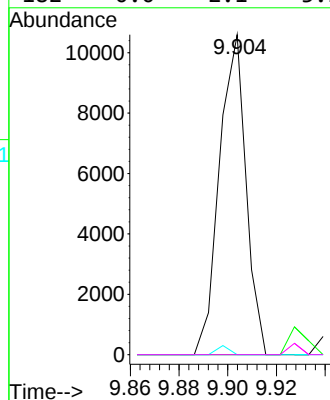


#57
2,4-Dinitrotoluene
Concen: 5.138 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

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

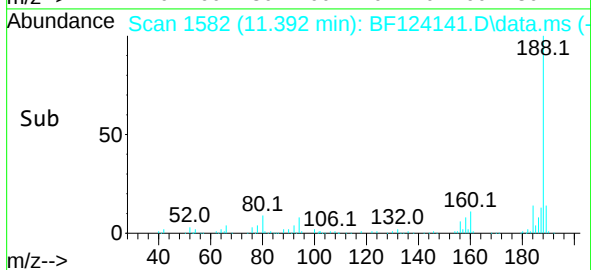
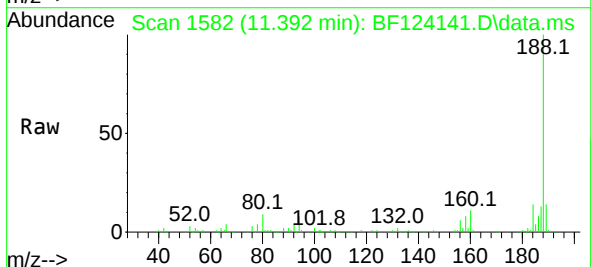
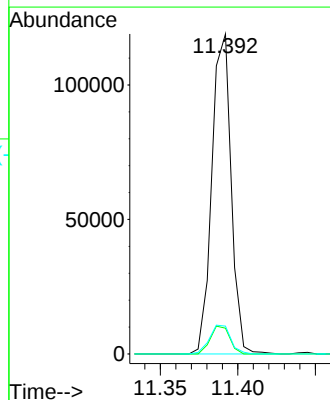


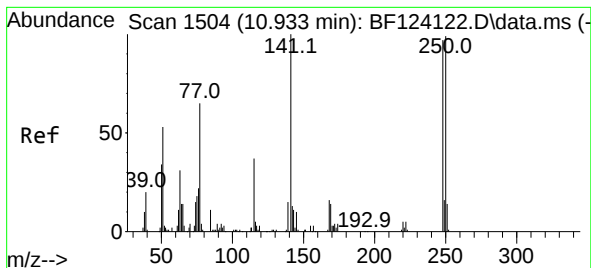
Tgt Ion:165 Resp: 8028
Ion Ratio Lower Upper
165 100
63 0.0 43.5 65.3#
89 0.0 67.7 101.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion:188 Resp: 103043
Ion Ratio Lower Upper
188 100
94 8.0 6.9 10.3
80 8.7 8.2 12.2

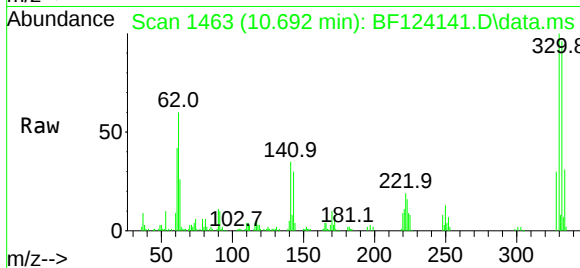




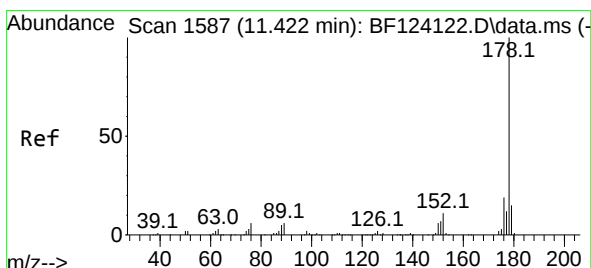
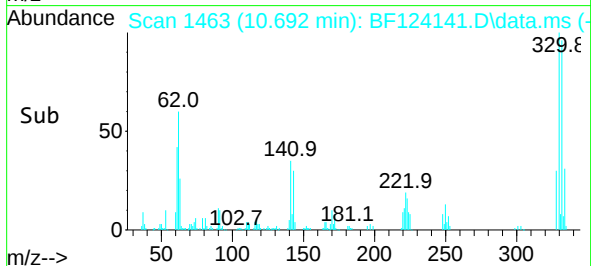
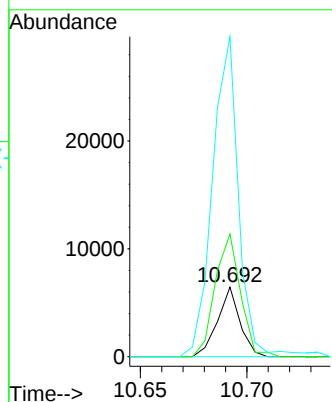
#67

4-Bromophenyl-phenylether
Concen: 3.337 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.241 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

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



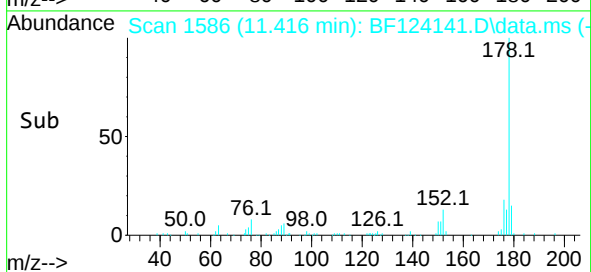
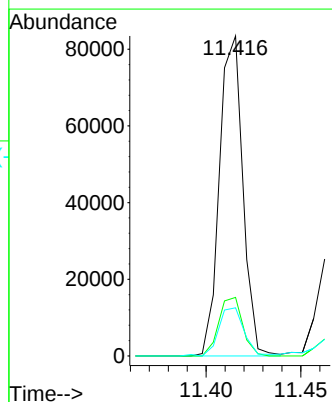
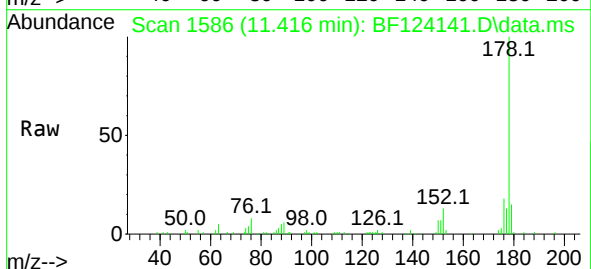
Tgt Ion:248 Resp: 4720
Ion Ratio Lower Upper
248 100
250 176.4 77.4 116.2#
141 459.9 63.7 95.5#

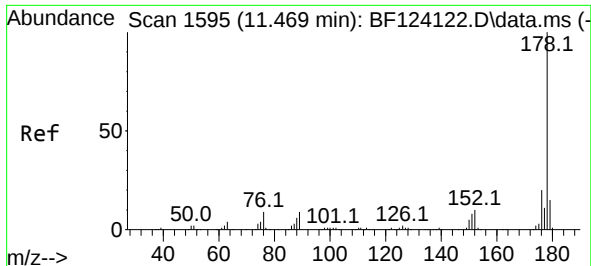


#71

Phenanthrene
Concen: 11.158 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion:178 Resp: 71822
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 15.1 12.5 18.7

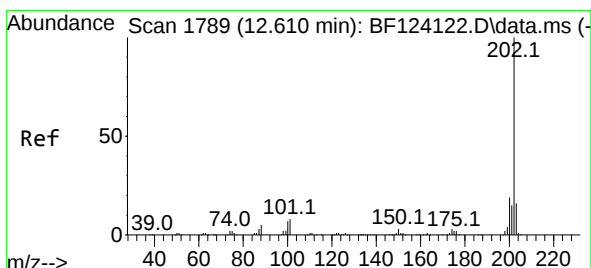
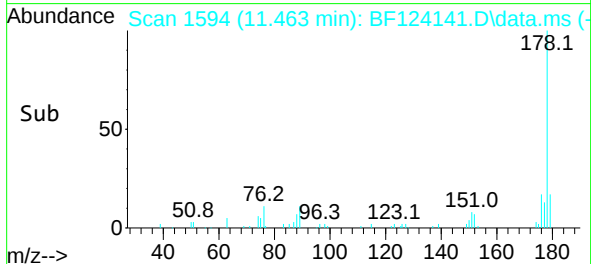
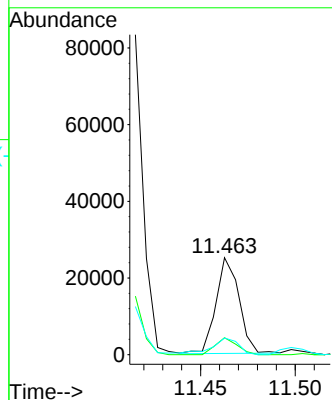
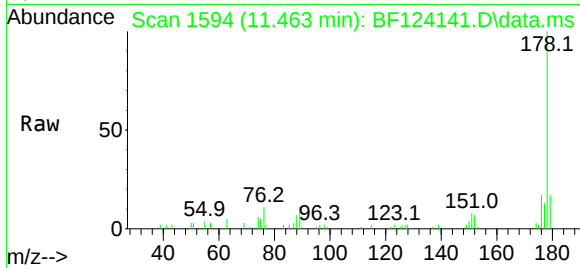




#72
 Anthracene
 Concen: 3.278 ng
 RT: 11.463 min Scan# 1594
 Delta R.T. -0.006 min
 Lab File: BF124141.D
 Acq: 4 Jun 2021 15:54

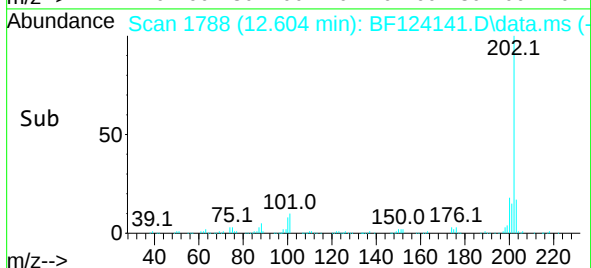
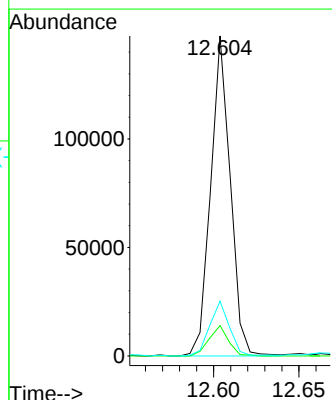
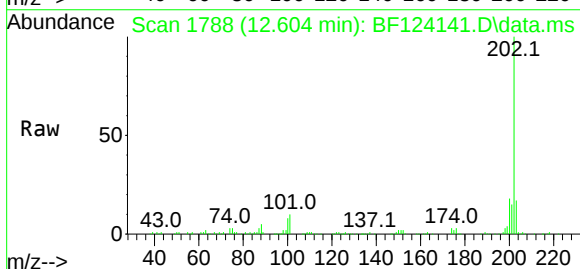
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-073-B

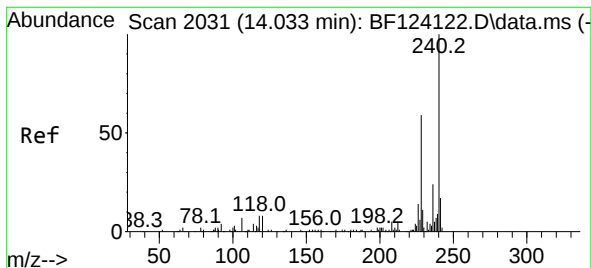
Tgt Ion:178 Resp: 21251
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.4 23.0
 179 17.2 12.6 18.8



#75
 Fluoranthene
 Concen: 17.484 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. -0.006 min
 Lab File: BF124141.D
 Acq: 4 Jun 2021 15:54

Tgt Ion:202 Resp: 118134
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 30.9
 203 17.1 0.0 37.5

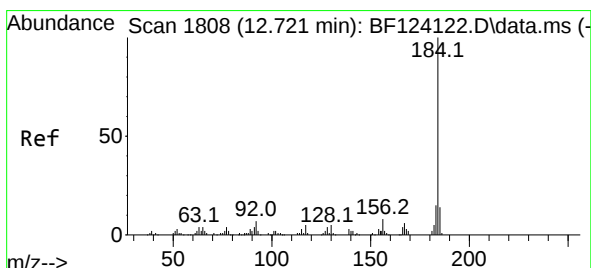
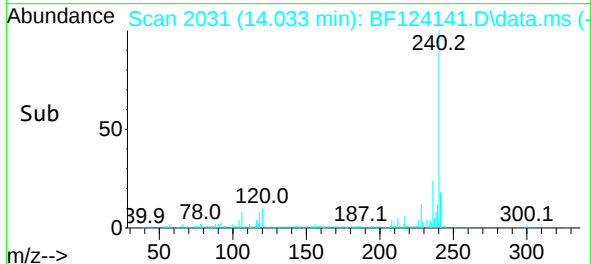
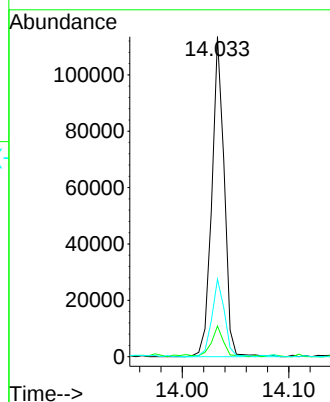
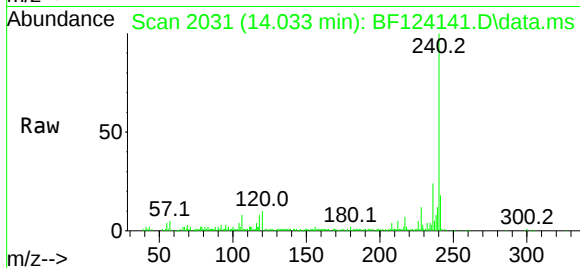




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

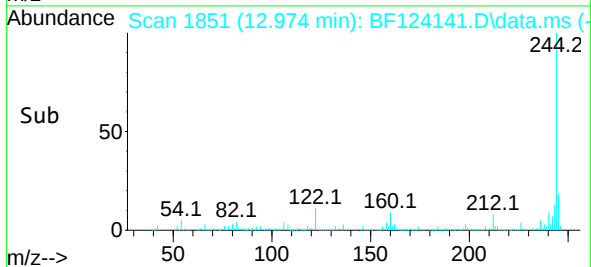
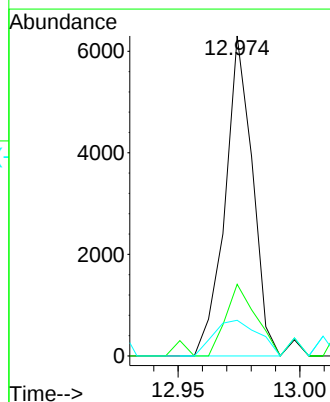
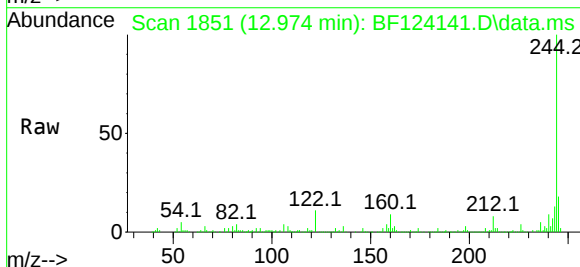
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-B

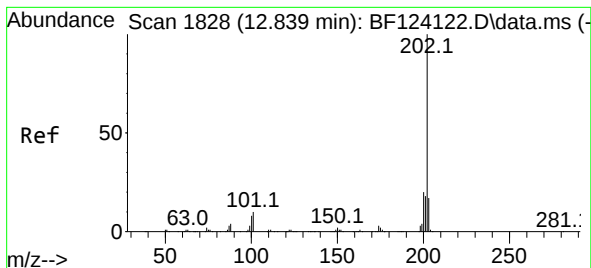
Tgt Ion:240 Resp: 91764
Ion Ratio Lower Upper
240 100
120 9.6 7.2 10.8
236 24.3 19.0 28.4



#77
Benzidine
Concen: 6.167 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.253 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion:184 Resp: 4921
Ion Ratio Lower Upper
184 100
185 22.4 12.1 18.1#
183 11.1 7.8 11.8





#78

Pyrene

Concen: 11.824 ng

RT: 12.833 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF124141.D

Acq: 4 Jun 2021 15:54

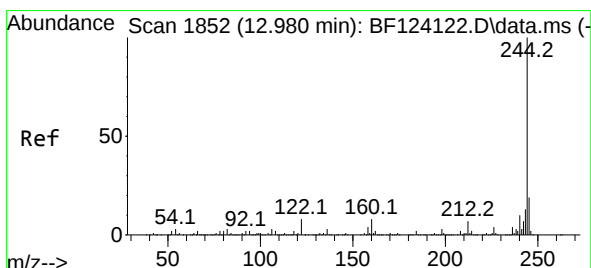
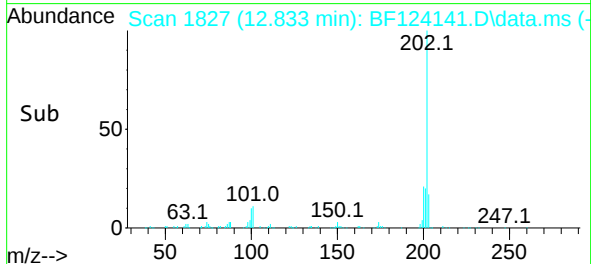
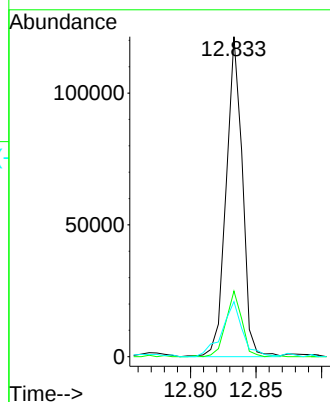
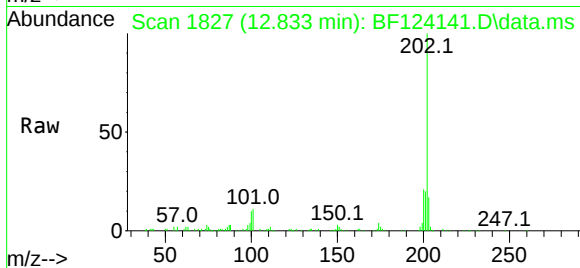
Tgt Ion:202 Resp: 104186

Ion Ratio Lower Upper

202 100

200 20.5 16.1 24.1

203 17.2 14.8 22.2



#79

Terphenyl-d14

Concen: 42.137 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF124141.D

Acq: 4 Jun 2021 15:54

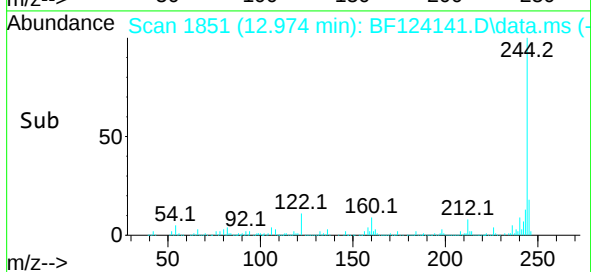
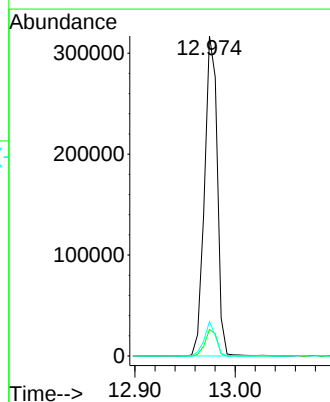
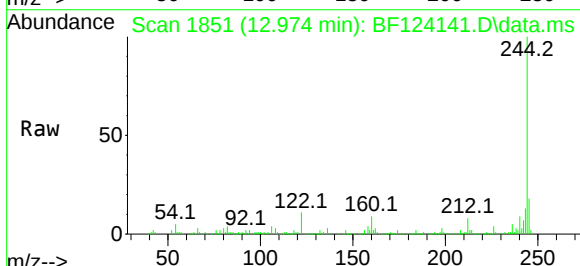
Tgt Ion:244 Resp: 281633

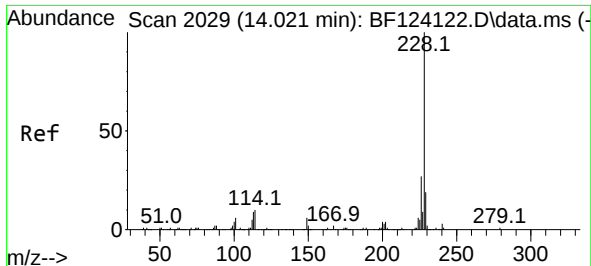
Ion Ratio Lower Upper

244 100

212 8.3 5.7 8.5

122 10.8 9.7 14.5

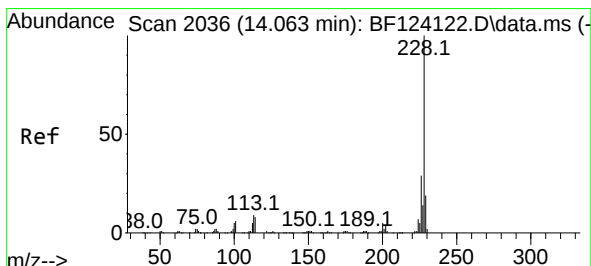
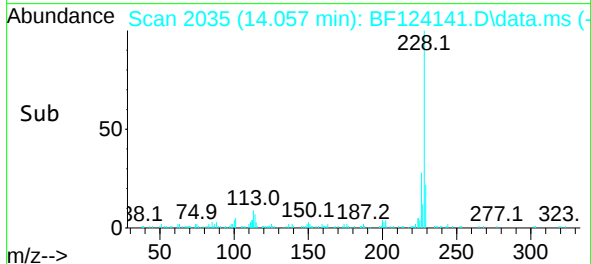
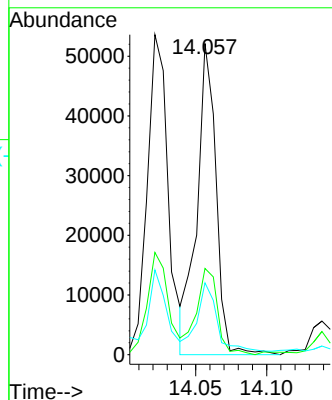
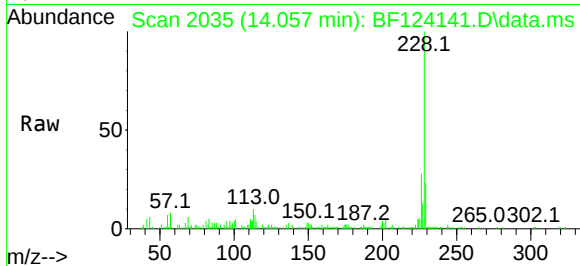




#81
Benzo(a)anthracene
Concen: 7.324 ng
RT: 14.057 min Scan# 2035
Delta R.T. 0.035 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

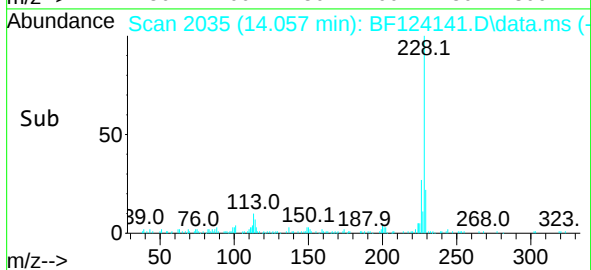
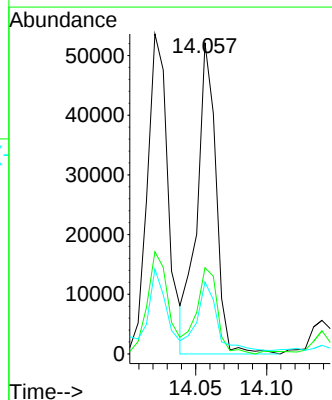
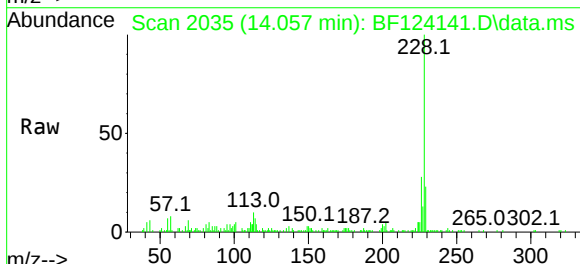
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-B

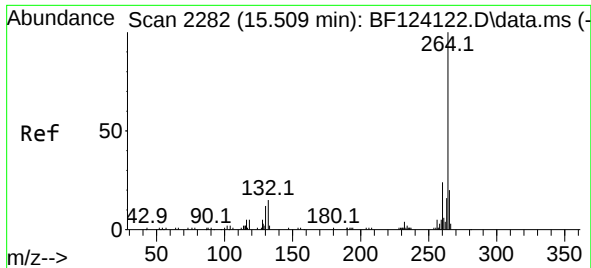
Tgt Ion:228 Resp: 48958
Ion Ratio Lower Upper
228 100
226 27.7 22.4 33.6
229 23.1 16.0 24.0



#83
Chrysene
Concen: 7.591 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion:228 Resp: 48958
Ion Ratio Lower Upper
228 100
226 27.7 24.3 36.5
229 23.1 16.2 24.2

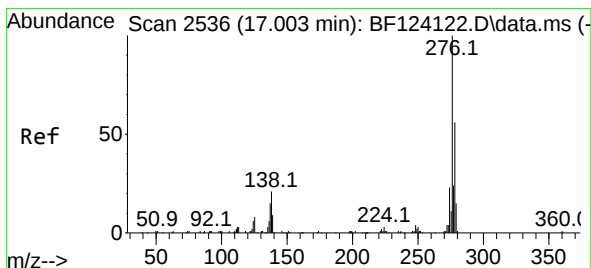
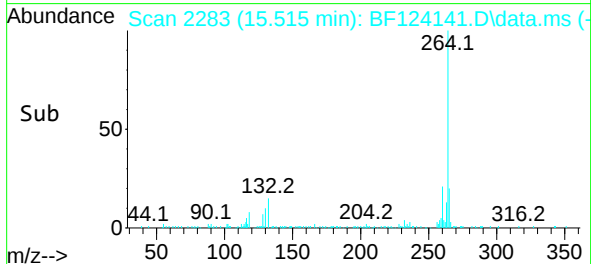
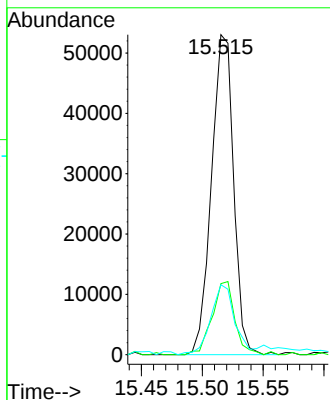
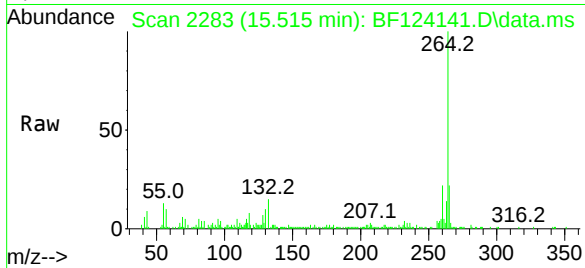




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

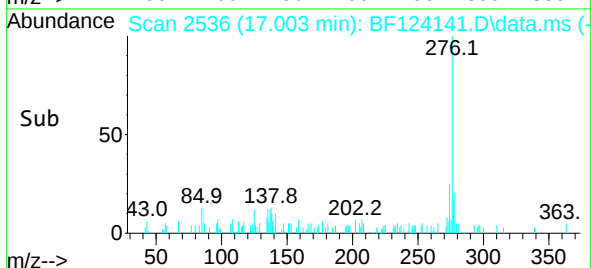
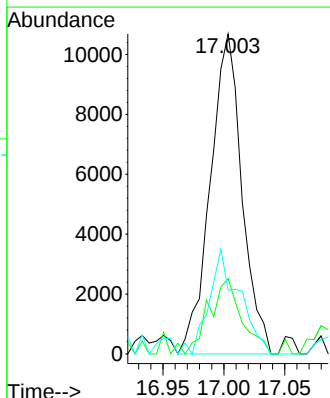
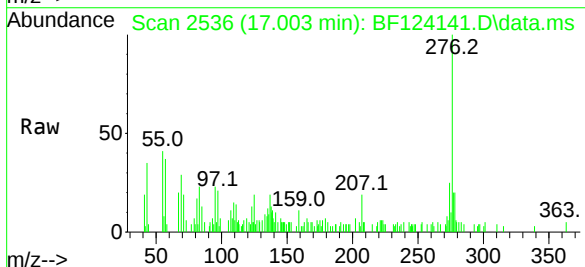
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-B

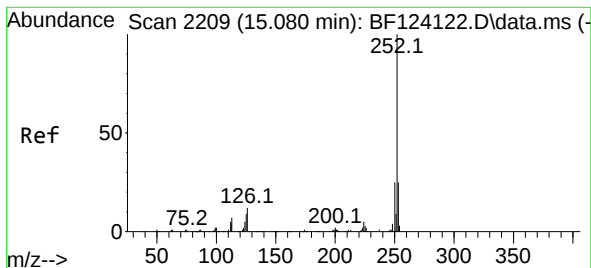
Tgt Ion:264 Resp: 67190
Ion Ratio Lower Upper
264 100
260 22.2 18.7 28.1
265 21.8 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.482 ng
RT: 17.003 min Scan# 2536
Delta R.T. 0.000 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

Tgt Ion:276 Resp: 19347
Ion Ratio Lower Upper
276 100
138 24.1 16.2 24.2
277 31.2 20.1 30.1#





#88

Benzo(b)fluoranthene

Concen: 12.909 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.000 min

Lab File: BF124141.D

Acq: 4 Jun 2021 15:54

Tgt Ion:252 Resp: 67379

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

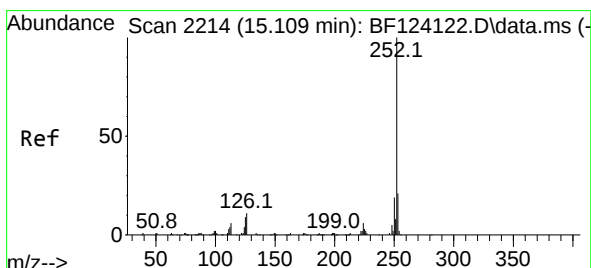
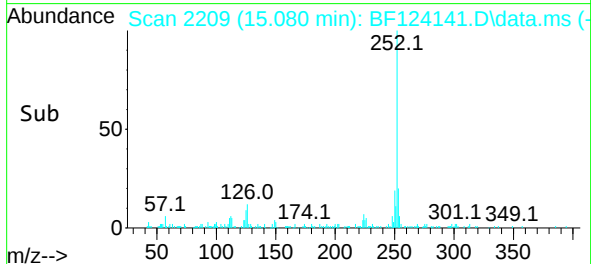
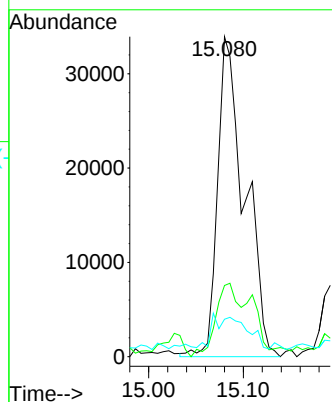
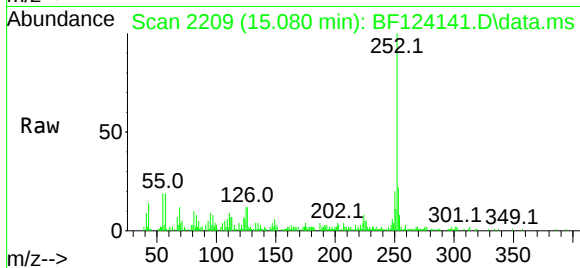
125 11.7 6.2 9.4#

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-073-B



#89

Benzo(k)fluoranthene

Concen: 13.637 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.029 min

Lab File: BF124141.D

Acq: 4 Jun 2021 15:54

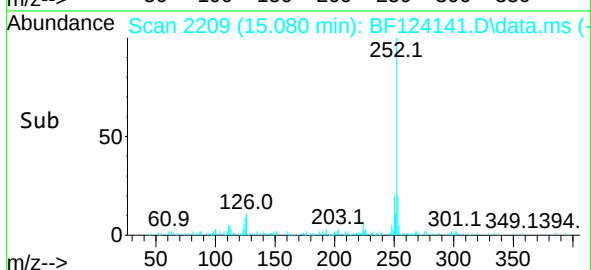
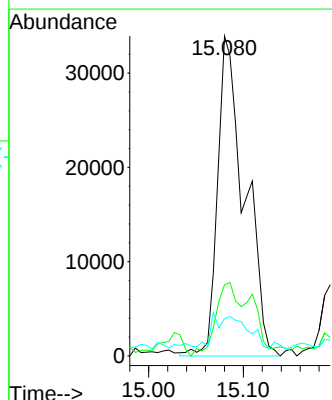
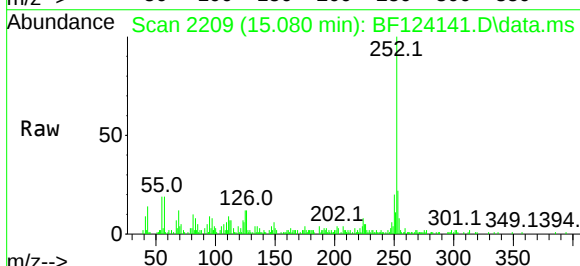
Tgt Ion:252 Resp: 67379

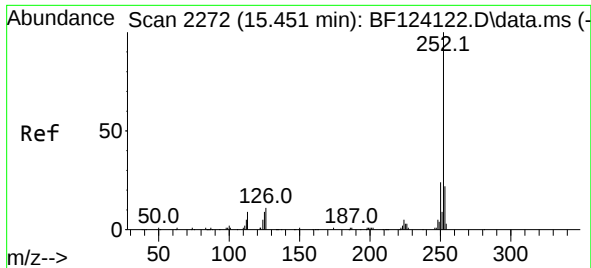
Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

125 11.7 7.0 10.6#

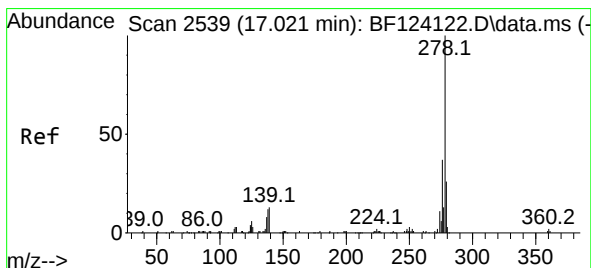
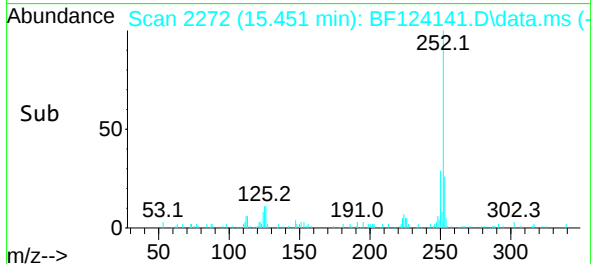
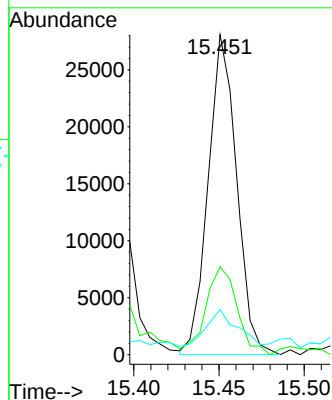
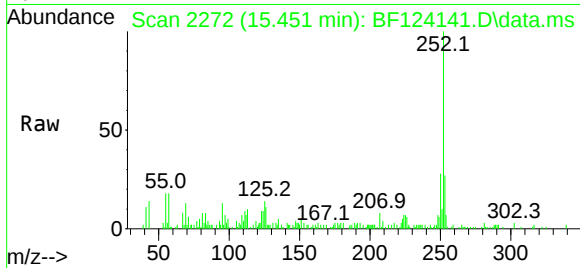




#90
Benzo(a)pyrene
Concen: 7.213 ng
RT: 15.451 min Scan# 2272
Delta R.T. -0.000 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

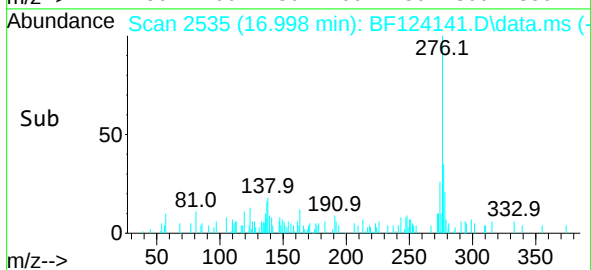
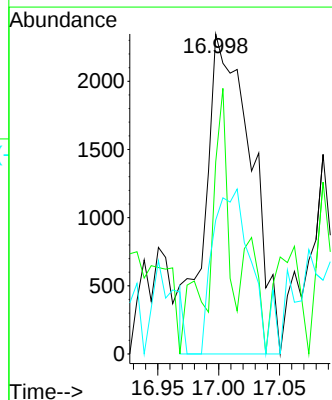
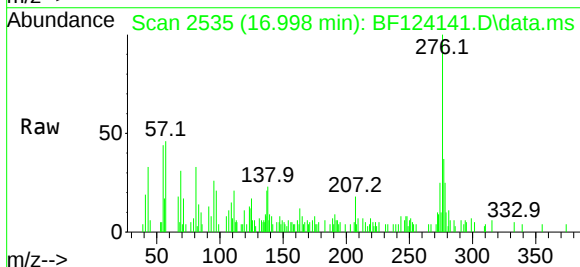
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-073-B

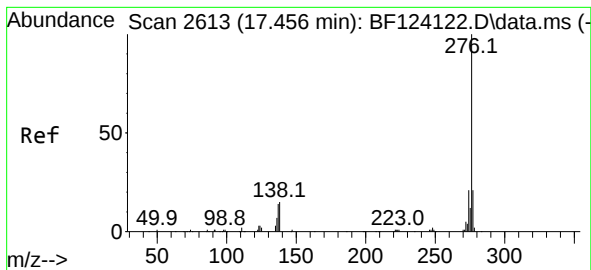
Tgt Ion:252 Resp: 32698
Ion Ratio Lower Upper
252 100
253 27.5 18.4 27.6
125 14.1 8.0 12.0#



#91
Dibenzo(a,h)anthracene
Concen: 5.343 ng
RT: 16.998 min Scan# 2535
Delta R.T. -0.023 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

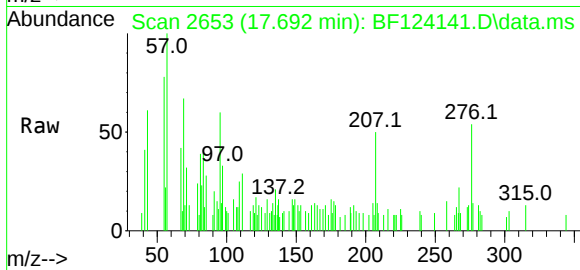
Tgt Ion:278 Resp: 6104
Ion Ratio Lower Upper
278 100
139 60.0 10.2 15.2#
279 41.9 19.4 29.0#





#92
Benzo(g,h,i)perylene
Concen: 4.845 ng
RT: 17.692 min Scan# 2653
Delta R.T. 0.236 min
Lab File: BF124141.D
Acq: 4 Jun 2021 15:54

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



Tgt Ion:	276	Resp:	5310
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.2	27.2
138	13.8	13.8	20.6

