

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060421\
 Data File : BF124140.D
 Acq On : 4 Jun 2021 15:22
 Operator : JU/CG
 Sample : M2588-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 04 16:14:01 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)

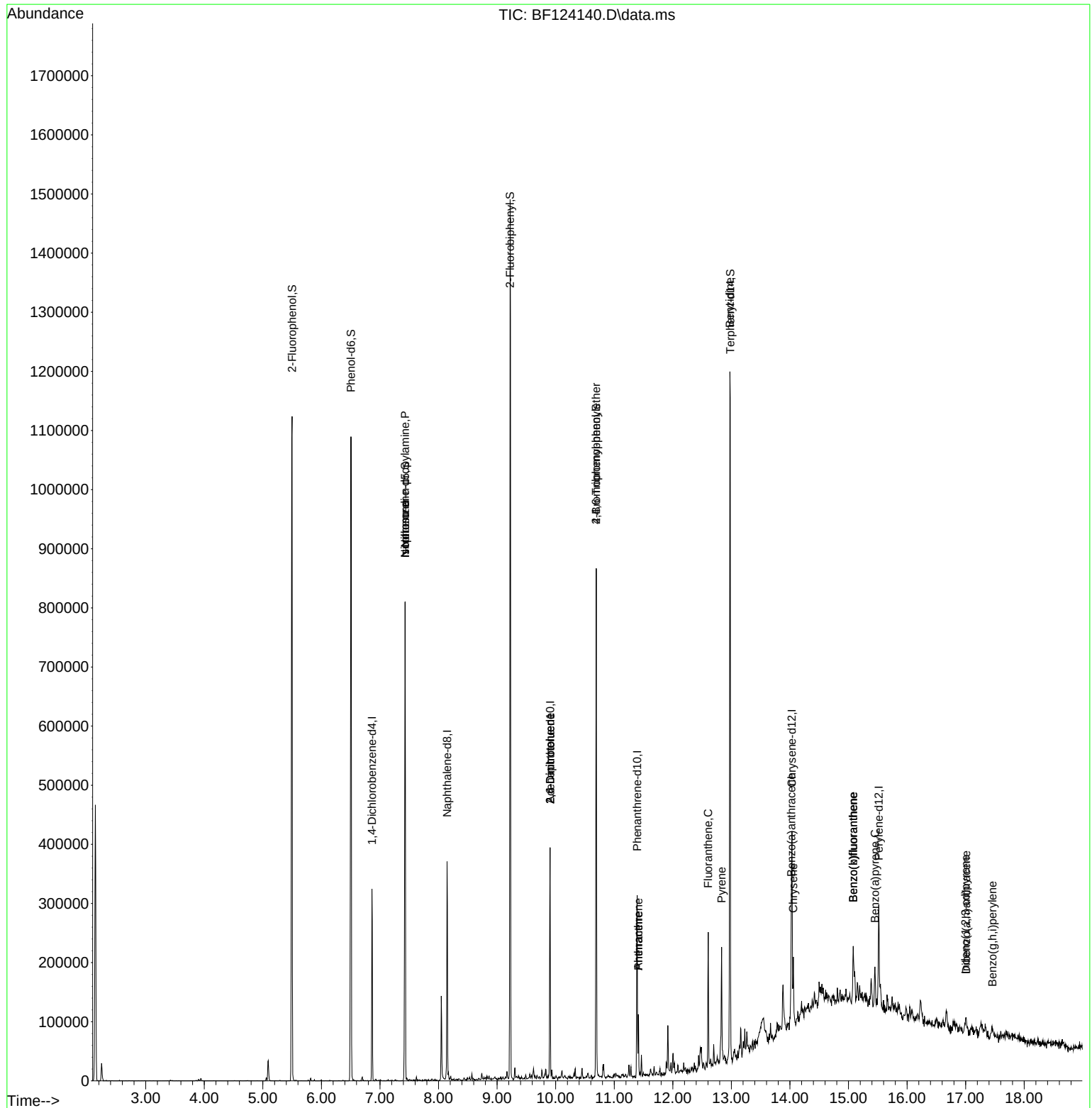
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	40623	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	137518	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	68251	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	106040	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	90560	20.000	ng	0.00
86) Perylene-d12	15.515	264	63994	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	267017	98.947	ng	0.00
7) Phenol-d6	6.504	99	324012	89.325	ng	0.00
23) Nitrobenzene-d5	7.428	82	248233	71.592	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	79776	82.503	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	410115	75.614	ng	0.00
79) Terphenyl-d14	12.980	244	354318	53.717	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	35157	13.730	ng	# 69
25) Isophorone	7.428	82	248228	39.728	ng	# 69
51) 2,6-Dinitrotoluene	9.904	165	8933	6.900	ng	# 10
57) 2,4-Dinitrotoluene	9.904	165	8933	5.232	ng	# 15
67) 4-Bromophenyl-phenylether	10.692	248	5603	3.850	ng	# 1
71) Phenanthrene	11.410	178	34831	5.258	ng	97
72) Anthracene	11.410	178	34831	5.221	ng	97
75) Fluoranthene	12.604	202	73622	10.588	ng	96
77) Benzidine	12.974	184	6462	6.863	ng	# 90
78) Pyrene	12.833	202	66811	7.683	ng	97
81) Benzo(a)anthracene	14.021	228	43066	6.528	ng	97
83) Chrysene	14.057	228	35146	5.522	ng	95
87) Indeno(1,2,3-cd)pyrene	16.998	276	15270	6.943	ng	# 88
88) Benzo(b)fluoranthene	15.080	252	52671	10.595	ng	# 88
89) Benzo(k)fluoranthene	15.080	252	52671	11.192	ng	# 89
90) Benzo(a)pyrene	15.451	252	28174	6.525	ng	93
91) Dibenzo(a,h)anthracene	17.009	278	5333	5.246	ng	# 79
92) Benzo(g,h,i)perylene	17.457	276	13904	6.661	ng	# 88

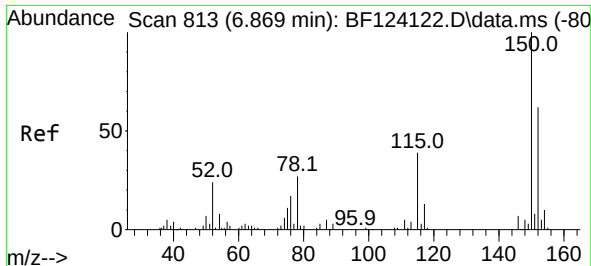
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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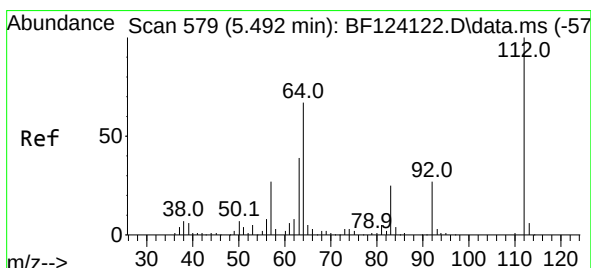
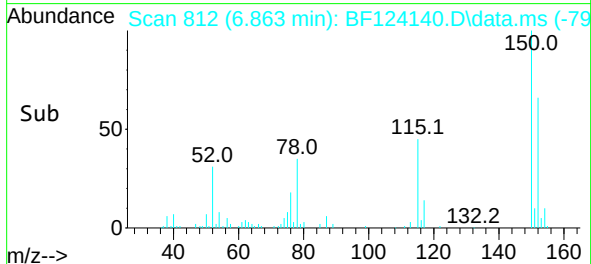
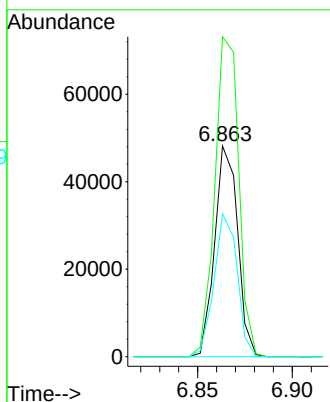
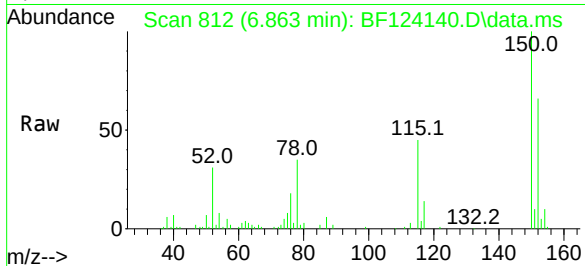




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

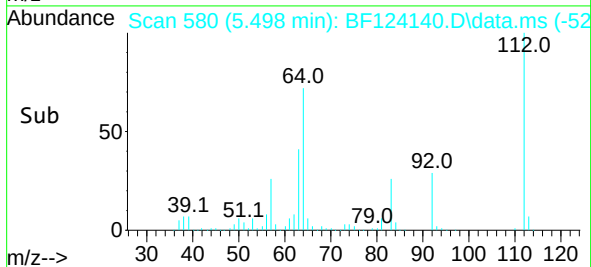
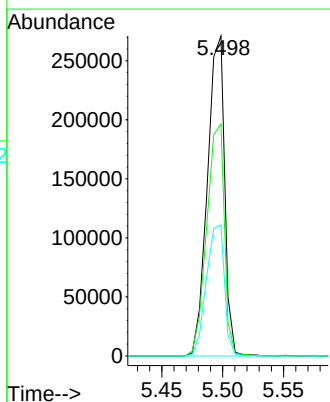
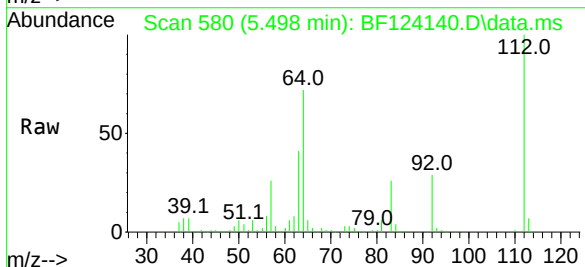
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-074-B

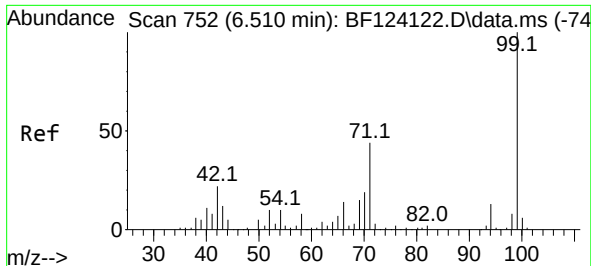
Tgt Ion:152 Resp: 40623
Ion Ratio Lower Upper
152 100
150 151.8 127.0 190.6
115 67.8 54.3 81.5



#5
2-Fluorophenol
Concen: 98.947 ng
RT: 5.498 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

Tgt Ion:112 Resp: 267017
Ion Ratio Lower Upper
112 100
64 72.5 61.4 92.0
63 40.9 33.0 49.4

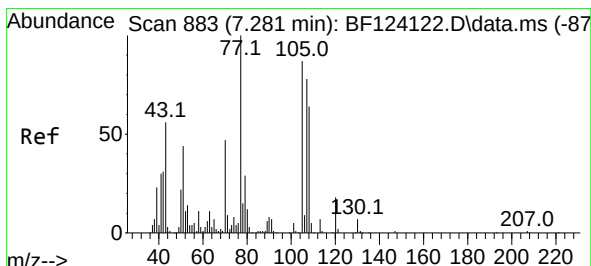
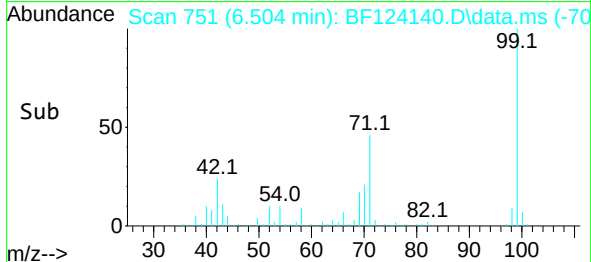
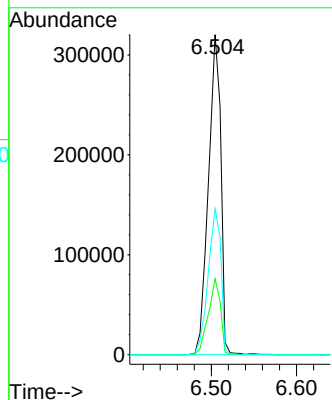
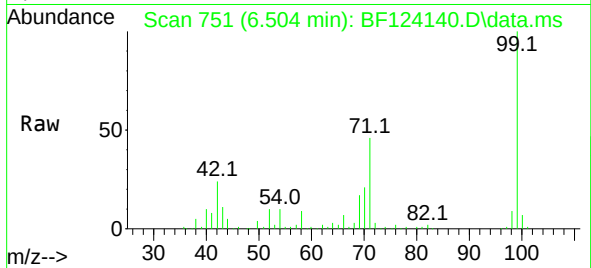




#7
Phenol-d6
Concen: 89.325 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

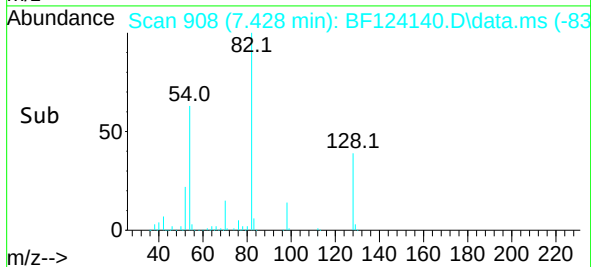
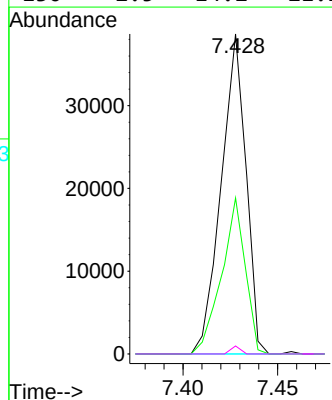
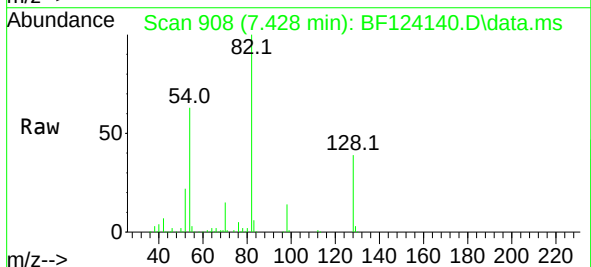
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-074-B

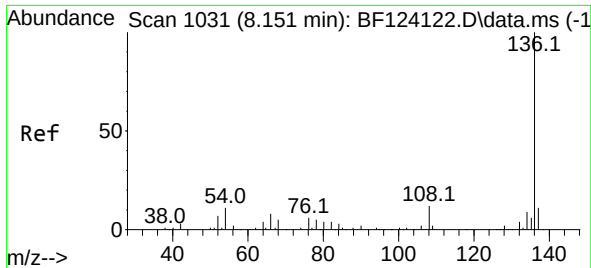
Tgt Ion: 99 Resp: 324012
Ion Ratio Lower Upper
99 100
42 23.7 19.8 29.8
71 45.6 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.730 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.147 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

Tgt Ion: 70 Resp: 35157
Ion Ratio Lower Upper
70 100
42 48.7 60.1 90.1#
101 0.0 7.4 11.2#
130 2.5 14.2 21.2#

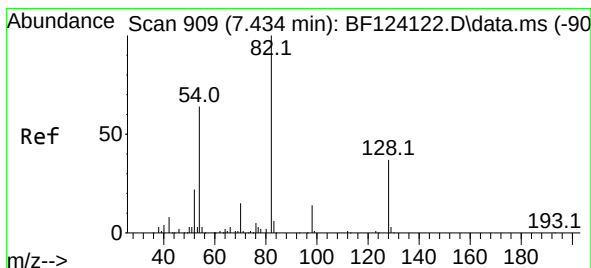
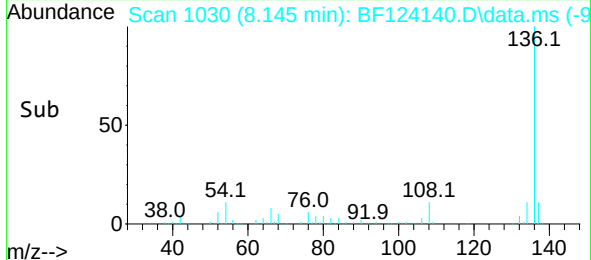
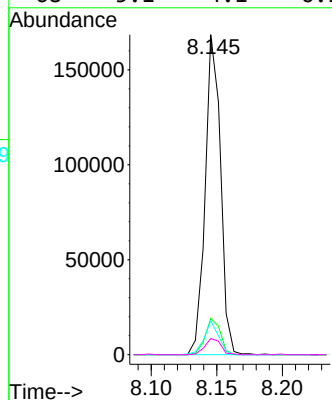
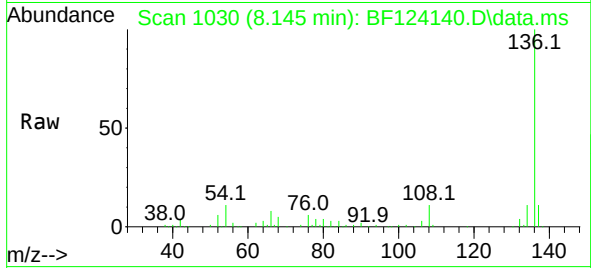




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

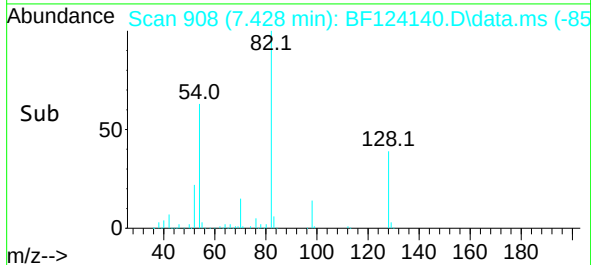
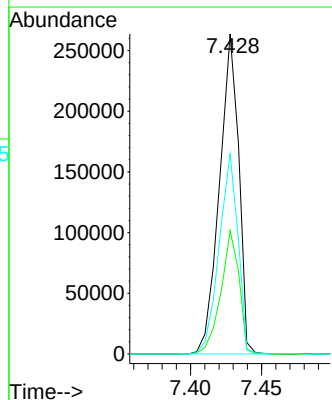
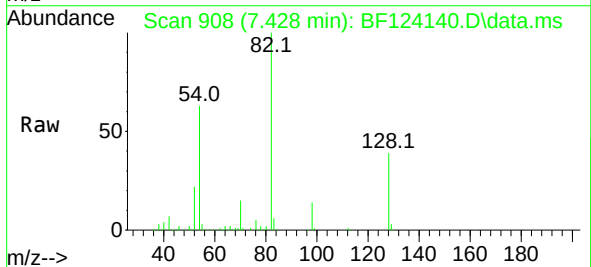
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-074-B

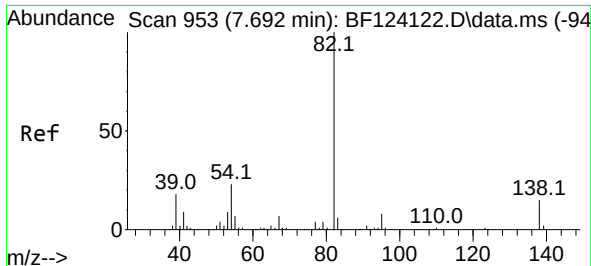
Tgt Ion:	136	Resp:	137518
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.7	13.1
54	10.5	9.8	14.6
68	5.1	4.1	6.1



#23
Nitrobenzene-d5
Concen: 71.592 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

Tgt Ion:	82	Resp:	248233
Ion Ratio	Lower	Upper	
82	100		
128	38.6	29.4	44.2
54	62.5	54.1	81.1

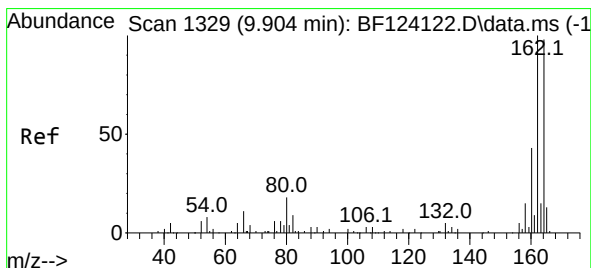
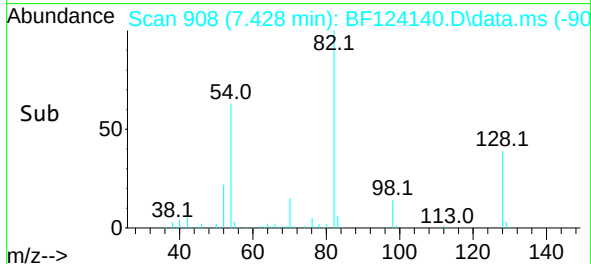
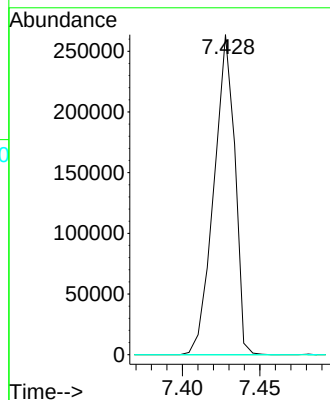
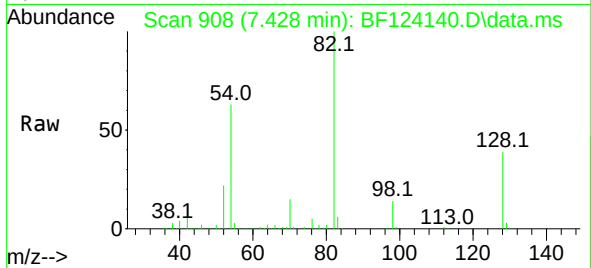




#25
Isophorone
Concen: 39.728 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

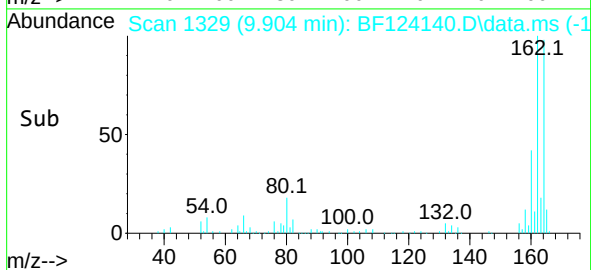
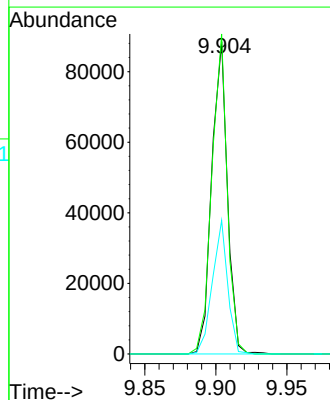
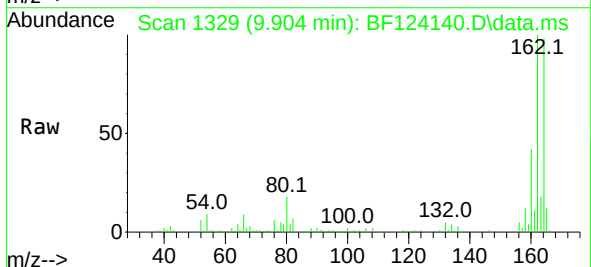
Instrument :
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ClientSampleId :
FK-GF-02-074-B

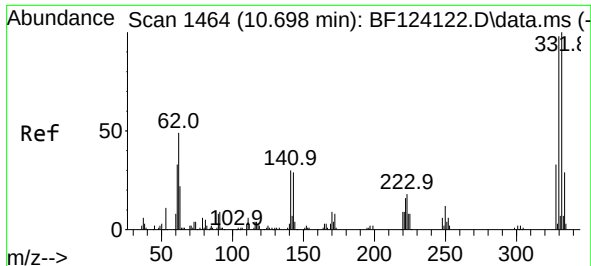
Tgt Ion: 82 Resp: 248228
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 11.8 17.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

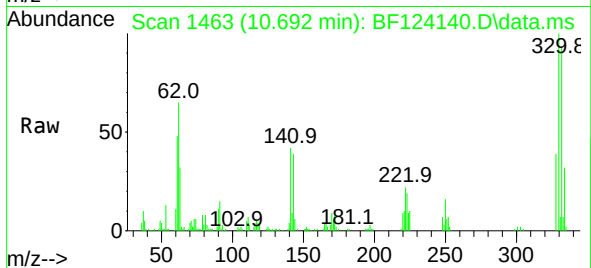
Tgt Ion:164 Resp: 68251
Ion Ratio Lower Upper
164 100
162 102.6 80.7 121.1
160 42.8 37.3 55.9



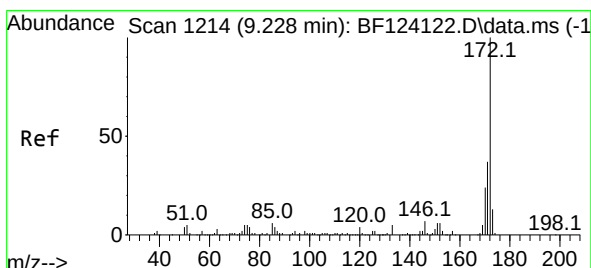
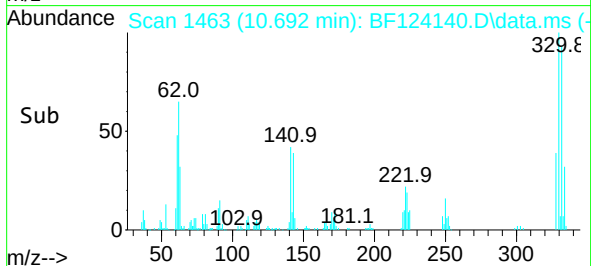
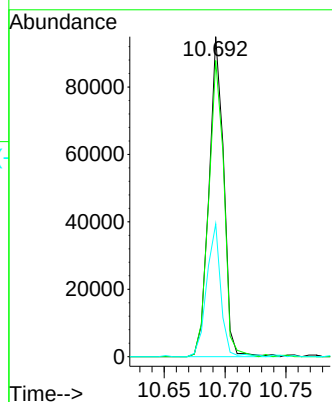


#42
2,4,6-Tribromophenol
Concen: 82.503 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

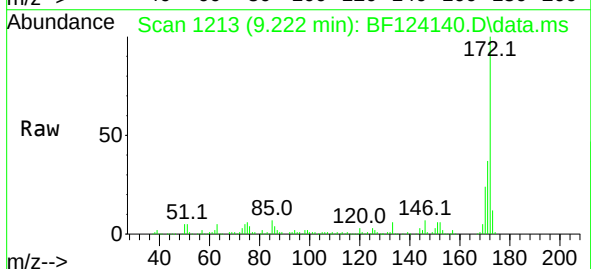
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ClientSampleId :
FK-GF-02-074-B



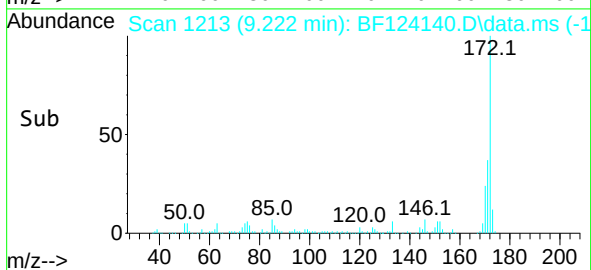
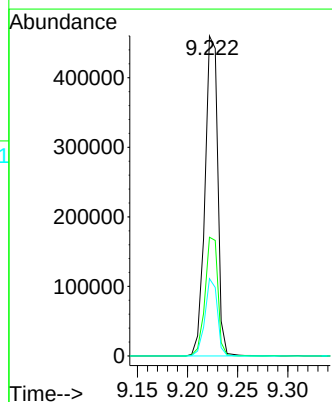
Tgt Ion:330 Resp: 79776
Ion Ratio Lower Upper
330 100
332 94.8 77.1 115.7
141 39.7 27.9 41.9

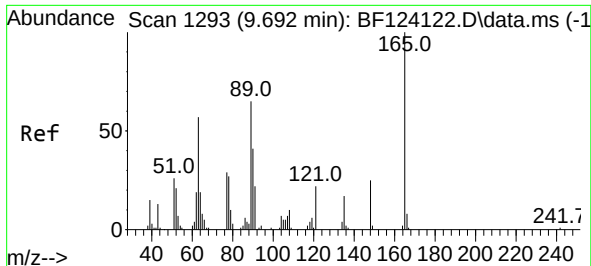


#45
2-Fluorobiphenyl
Concen: 75.614 ng
RT: 9.222 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22



Tgt Ion:172 Resp: 410115
Ion Ratio Lower Upper
172 100
171 37.1 28.1 42.1
170 24.1 19.2 28.8

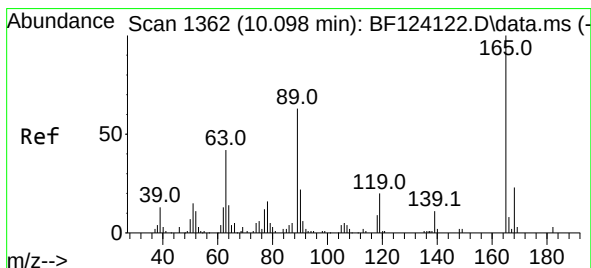
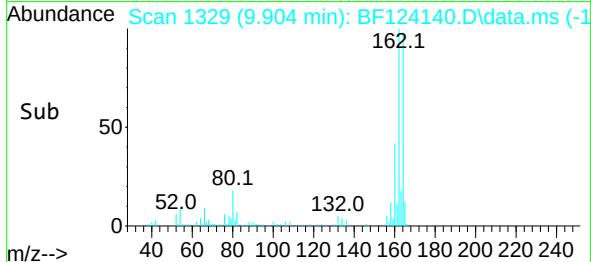
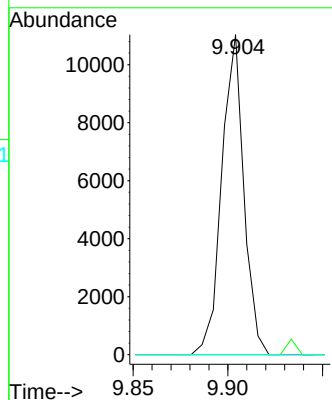
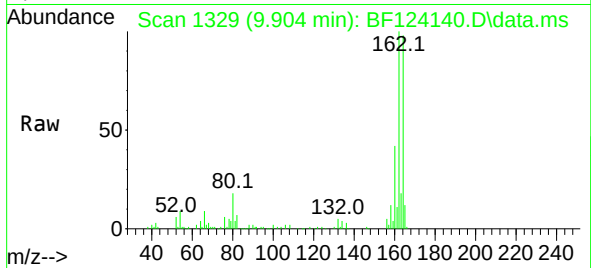




#51
2,6-Dinitrotoluene
Concen: 6.900 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.212 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

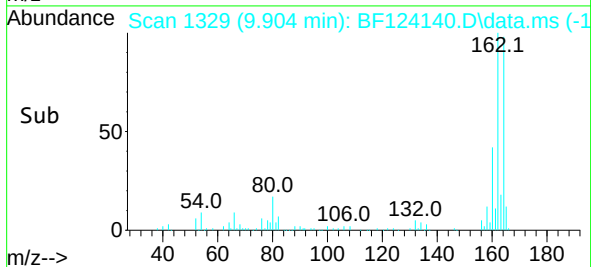
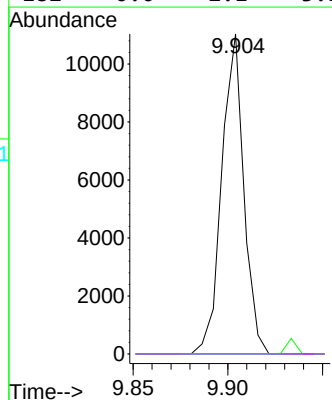
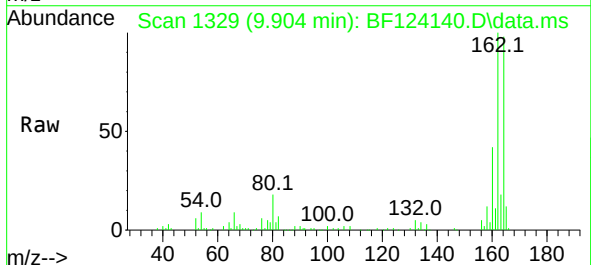
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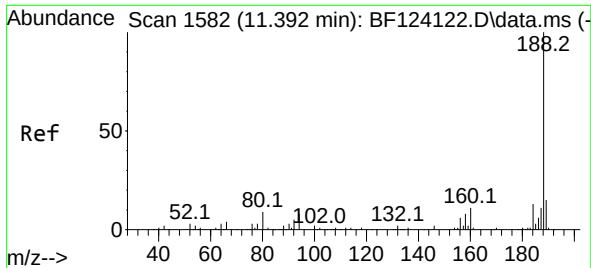
Tgt Ion:165 Resp: 8933
Ion Ratio Lower Upper
165 100
63 0.0 67.7 101.5#
89 0.0 58.8 88.2#



#57
2,4-Dinitrotoluene
Concen: 5.232 ng
RT: 9.904 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

Tgt Ion:165 Resp: 8933
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#

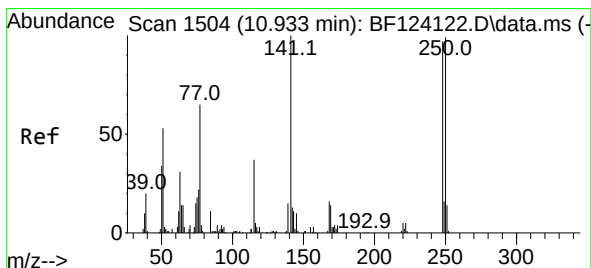
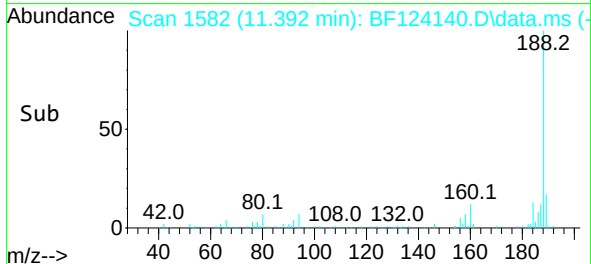
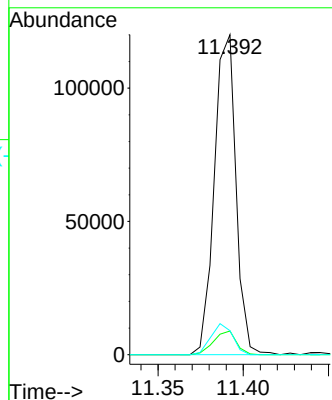
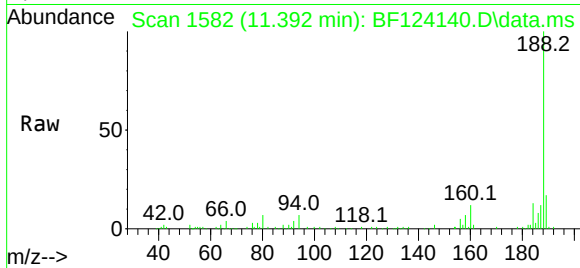




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

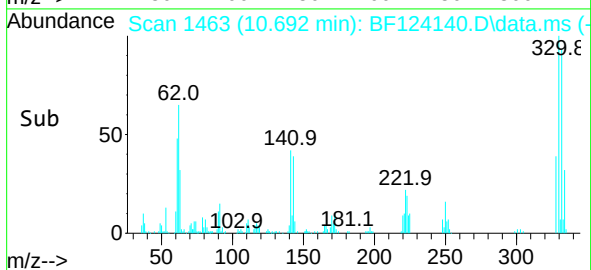
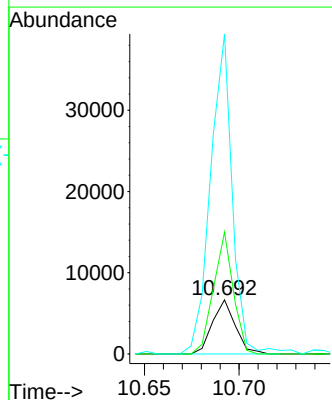
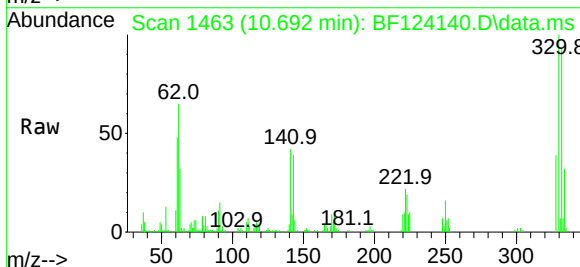
Instrument :
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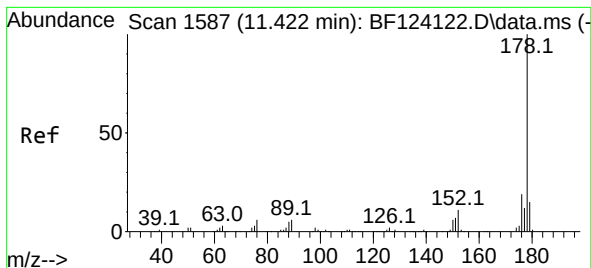
Tgt Ion:188 Resp: 106040
Ion Ratio Lower Upper
188 100
94 7.4 6.9 10.3
80 7.5 8.2 12.2#



#67
4-Bromophenyl-phenylether
Concen: 3.850 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.241 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

Tgt Ion:248 Resp: 5603
Ion Ratio Lower Upper
248 100
250 225.4 77.4 116.2#
141 591.4 63.7 95.5#





#71

Phenanthrene

Concen: 5.258 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.012 min

Lab File: BF124140.D

Acq: 4 Jun 2021 15:22

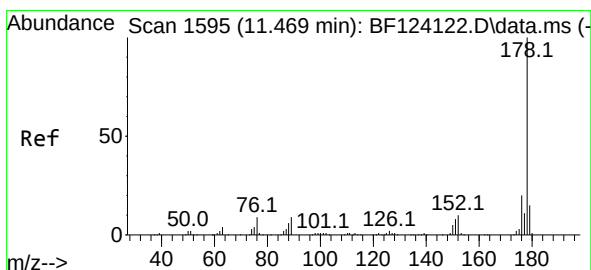
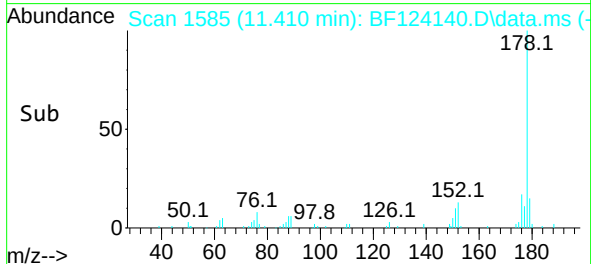
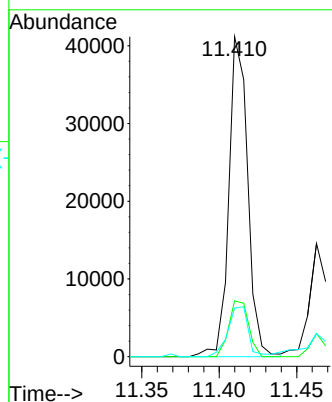
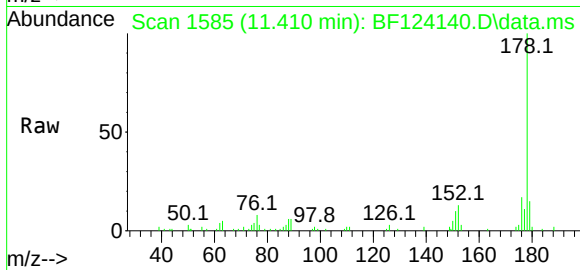
Tgt Ion:178 Resp: 34831

Ion Ratio Lower Upper

178 100

176 17.4 15.6 23.4

179 15.2 12.5 18.7



#72

Anthracene

Concen: 5.221 ng

RT: 11.410 min Scan# 1585

Delta R.T. -0.059 min

Lab File: BF124140.D

Acq: 4 Jun 2021 15:22

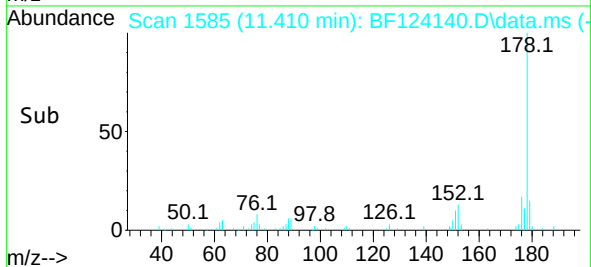
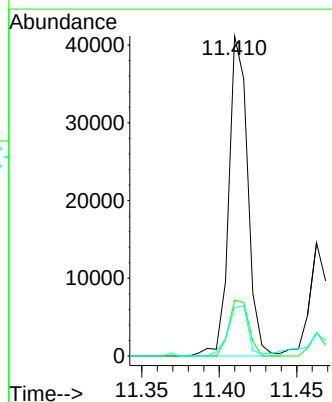
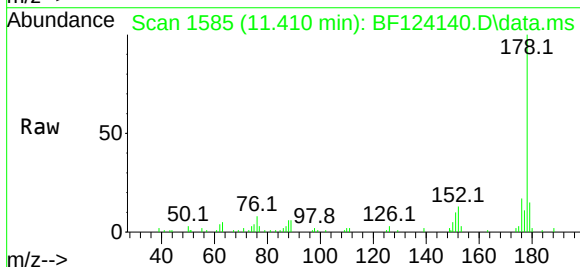
Tgt Ion:178 Resp: 34831

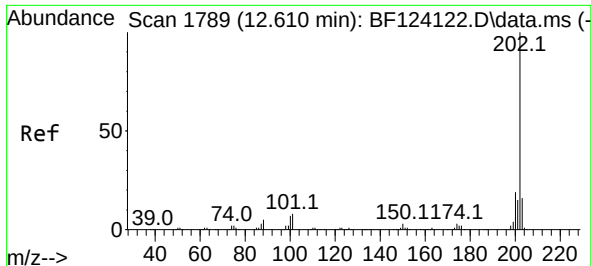
Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.0

179 15.2 12.6 18.8

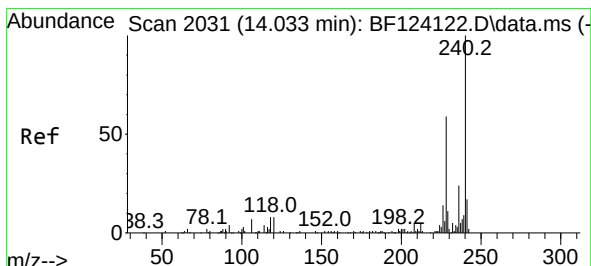
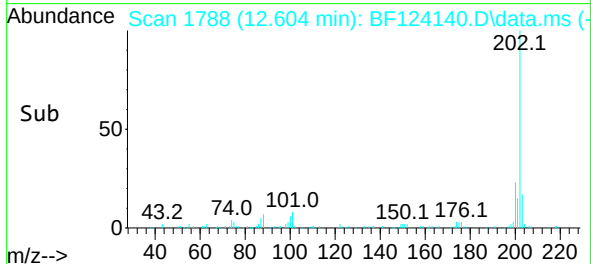
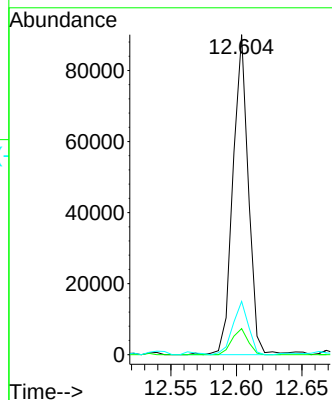
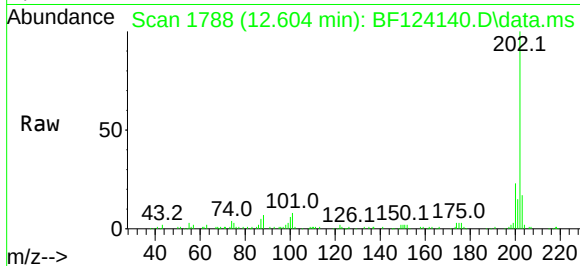




#75
Fluoranthene
Concen: 10.588 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

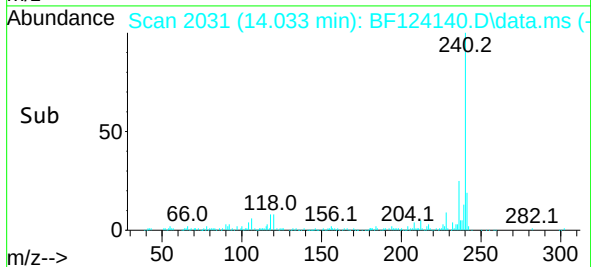
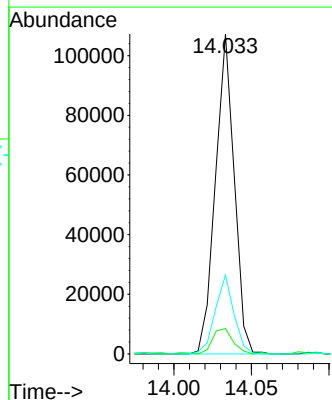
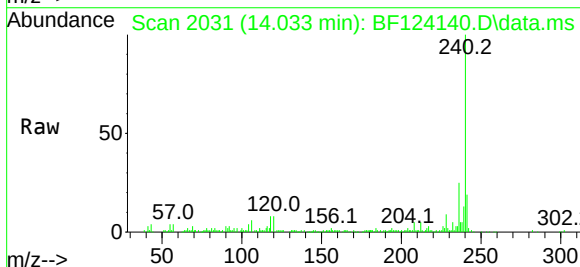
Instrument :
BNA_F
ClientSampleId :
FK-GF-02-074-B

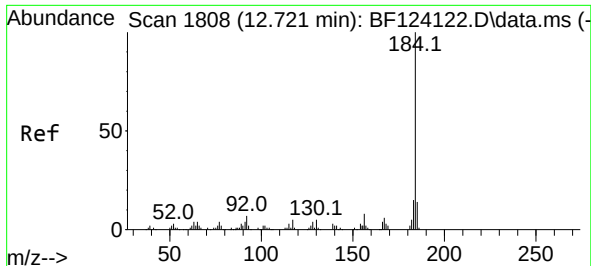
Tgt Ion:202	Resp:	73622
Ion Ratio	Lower	Upper
202	100	
101	8.2	0.0 30.9
203	16.6	0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

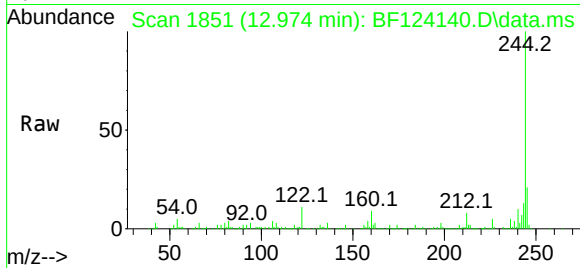
Tgt Ion:240	Resp:	90560
Ion Ratio	Lower	Upper
240	100	
120	7.9	7.2 10.8
236	24.7	19.0 28.4



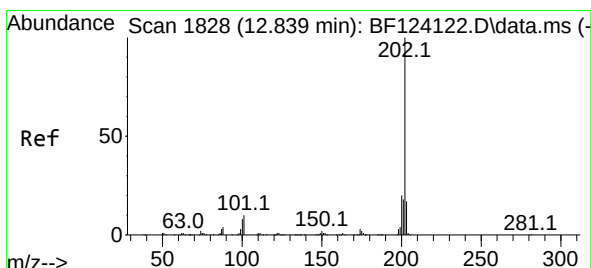
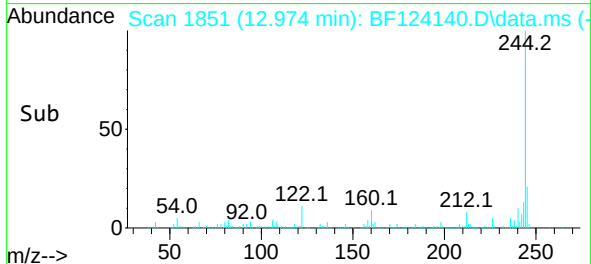
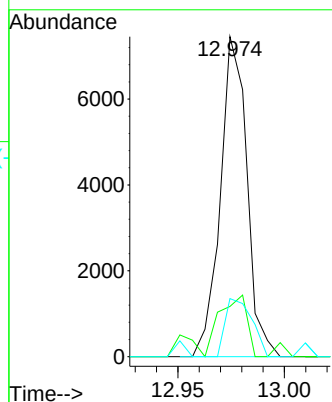


#77
Benzidine
Concen: 6.863 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.253 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

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

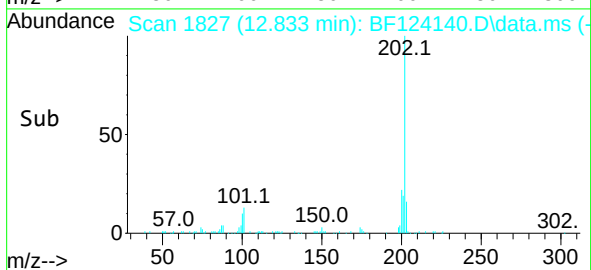
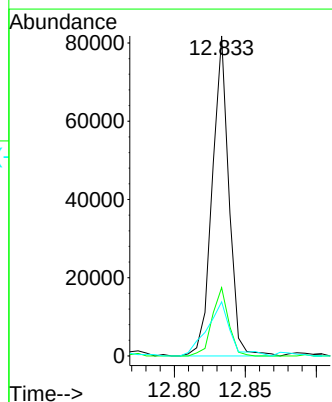
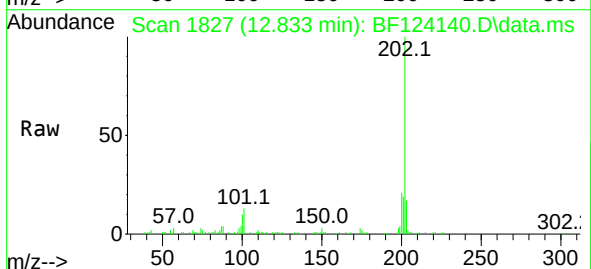


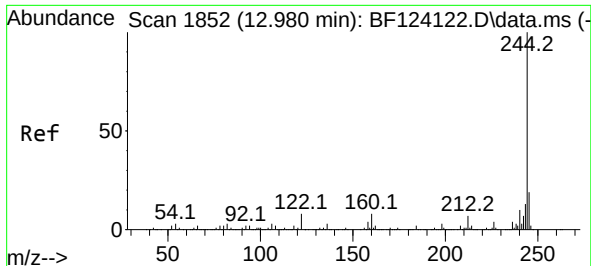
Tgt Ion:184 Resp: 6462
Ion Ratio Lower Upper
184 100
185 15.7 12.1 18.1
183 18.1 7.8 11.8#



#78
Pyrene
Concen: 7.683 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

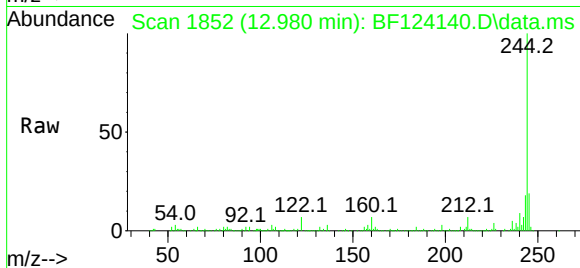
Tgt Ion:202 Resp: 66811
Ion Ratio Lower Upper
202 100
200 21.3 16.1 24.1
203 16.9 14.8 22.2



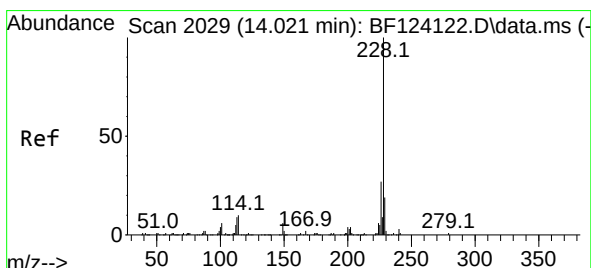
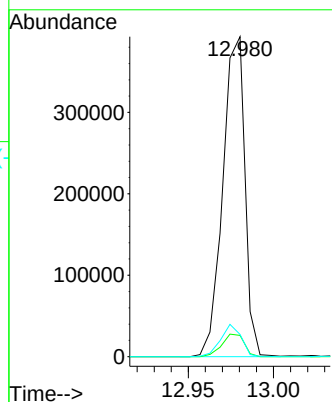
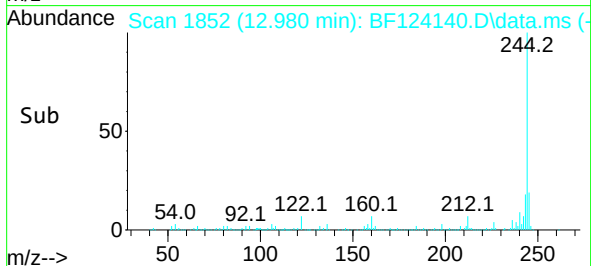


#79
 Terphenyl-d14
 Concen: 53.717 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: BF124140.D
 Acq: 4 Jun 2021 15:22

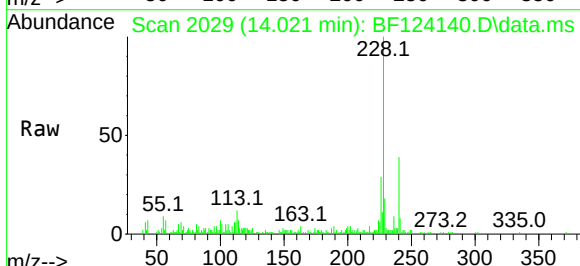
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-074-B



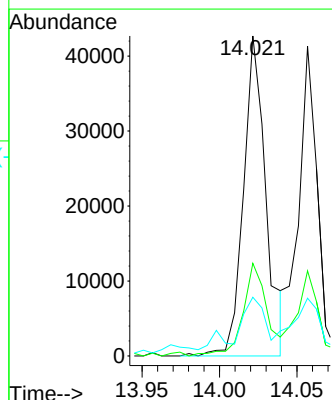
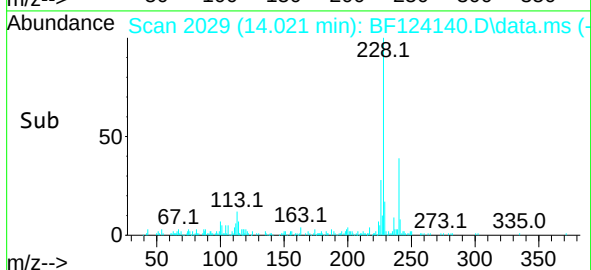
Tgt Ion:244 Resp: 354318
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.7 8.5
 122 6.9 9.7 14.5#

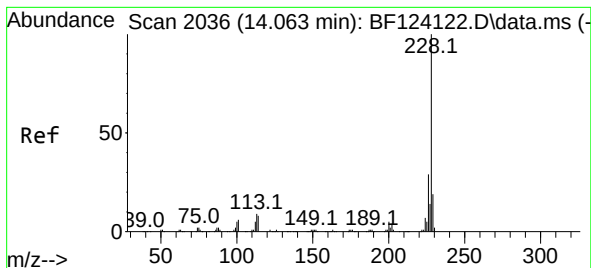


#81
 Benzo(a)anthracene
 Concen: 6.528 ng
 RT: 14.021 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: BF124140.D
 Acq: 4 Jun 2021 15:22



Tgt Ion:228 Resp: 43066
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.4 33.6
 229 18.3 16.0 24.0





#83

Chrysene

Concen: 5.522 ng

RT: 14.057 min Scan# 2035

Delta R.T. -0.006 min

Lab File: BF124140.D

Acq: 4 Jun 2021 15:22

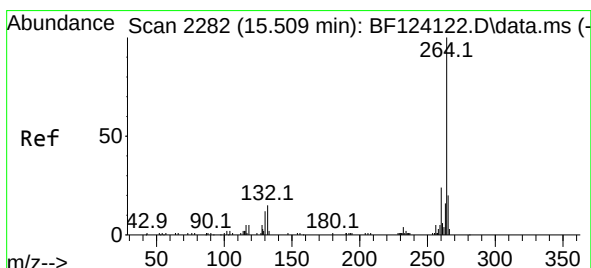
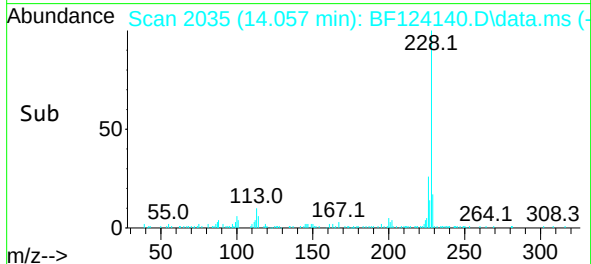
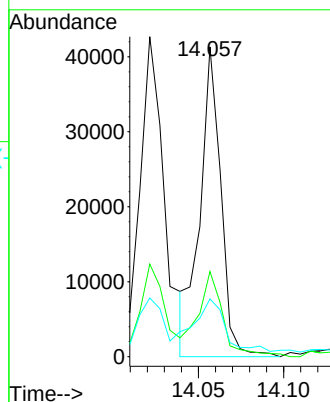
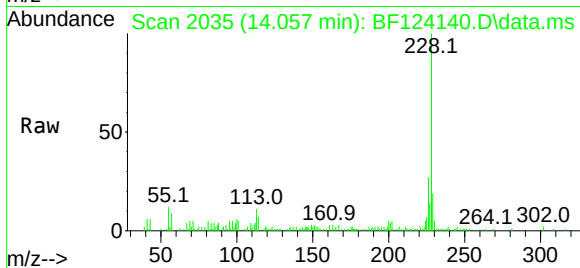
Tgt Ion:228	Resp:	35146
Ion Ratio	Lower	Upper
228	100	
226	27.5	24.3 36.5
229	18.6	16.2 24.2

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-074-B



#86

Perylene-d12

Concen: 20.000 ng

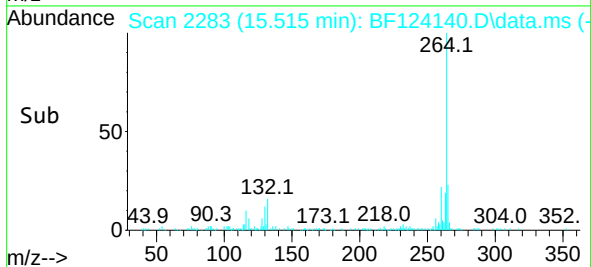
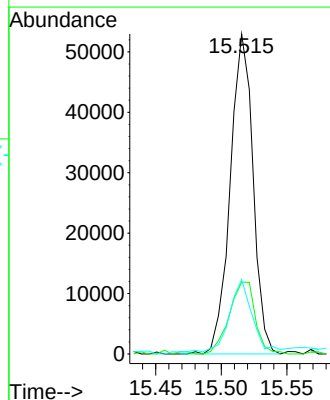
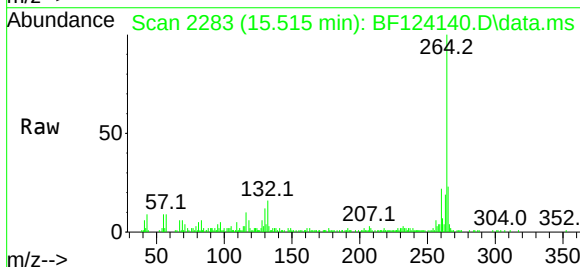
RT: 15.515 min Scan# 2283

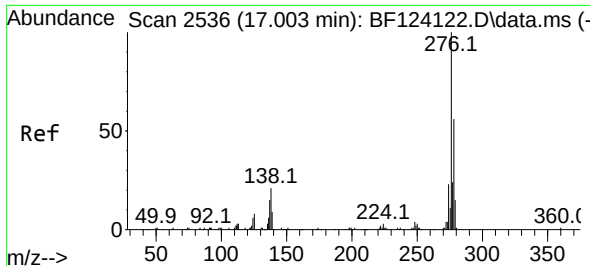
Delta R.T. 0.006 min

Lab File: BF124140.D

Acq: 4 Jun 2021 15:22

Tgt Ion:264	Resp:	63994
Ion Ratio	Lower	Upper
264	100	
260	22.5	18.7 28.1
265	23.3	17.8 26.8

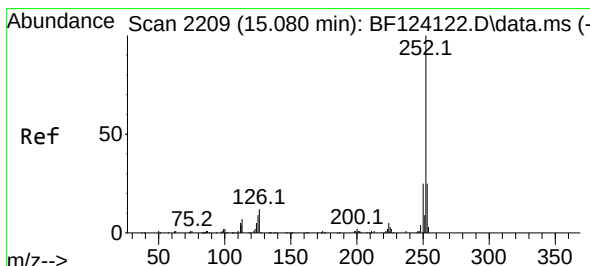
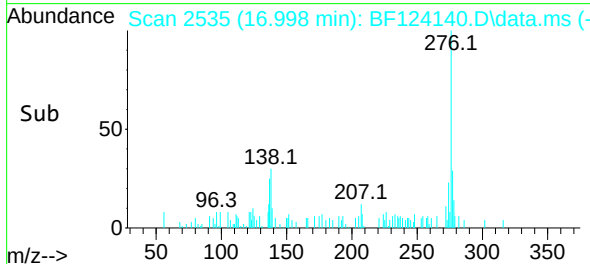
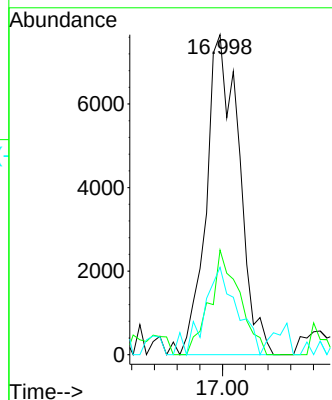
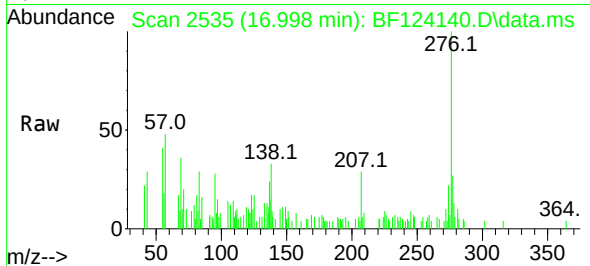




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.943 ng
 RT: 16.998 min Scan# 2535
 Delta R.T. -0.005 min
 Lab File: BF124140.D
 Acq: 4 Jun 2021 15:22

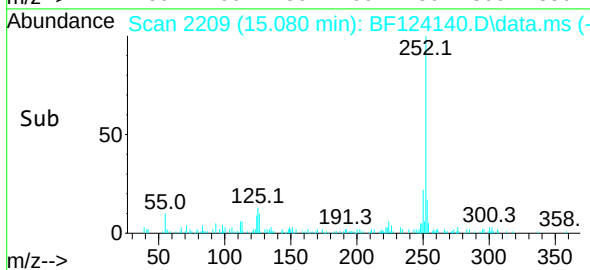
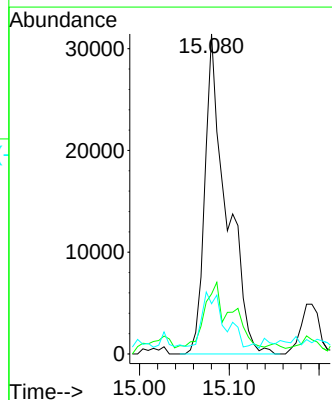
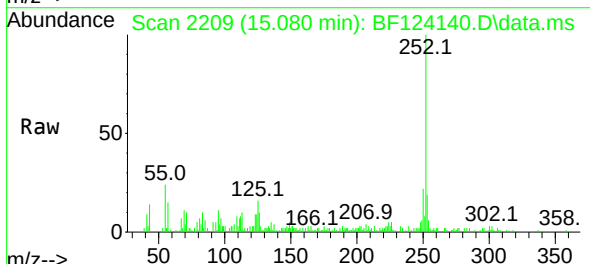
Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-074-B

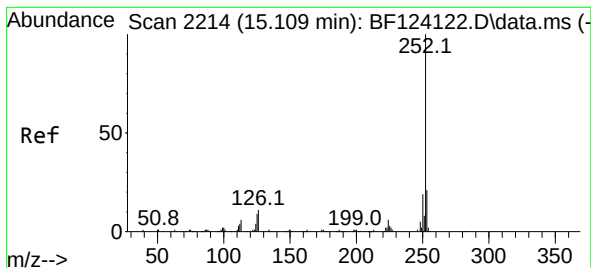
Tgt Ion:276 Resp: 15270
 Ion Ratio Lower Upper
 276 100
 138 29.8 16.2 24.2#
 277 27.8 20.1 30.1



#88
 Benzo(b)fluoranthene
 Concen: 10.595 ng
 RT: 15.080 min Scan# 2209
 Delta R.T. 0.000 min
 Lab File: BF124140.D
 Acq: 4 Jun 2021 15:22

Tgt Ion:252 Resp: 52671
 Ion Ratio Lower Upper
 252 100
 253 18.8 18.1 27.1
 125 15.7 6.2 9.4#





#89

Benzo(k)fluoranthene

Concen: 11.192 ng

RT: 15.080 min Scan# 2209

Delta R.T. -0.029 min

Lab File: BF124140.D

Acq: 4 Jun 2021 15:22

Tgt Ion:252 Resp: 52671

Ion Ratio Lower Upper

252 100

253 18.8 17.9 26.9

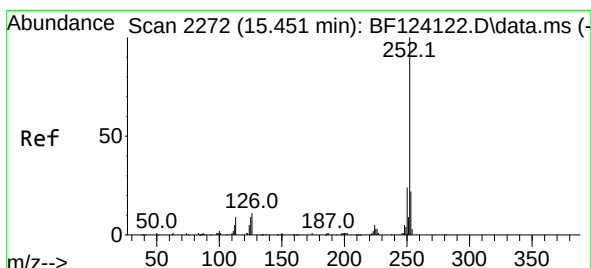
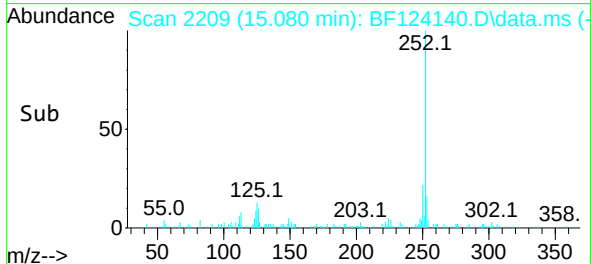
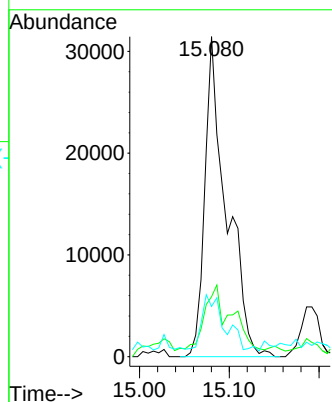
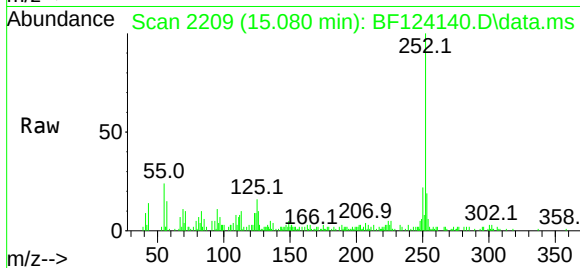
125 15.7 7.0 10.6#

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-074-B



#90

Benzo(a)pyrene

Concen: 6.525 ng

RT: 15.451 min Scan# 2272

Delta R.T. 0.000 min

Lab File: BF124140.D

Acq: 4 Jun 2021 15:22

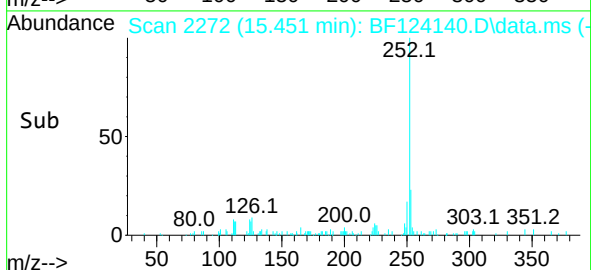
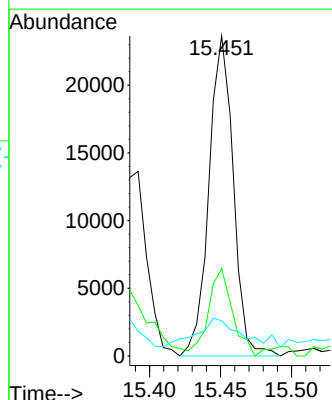
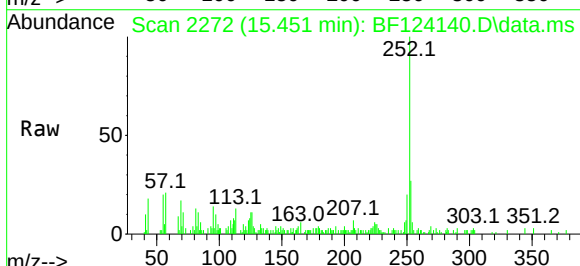
Tgt Ion:252 Resp: 28174

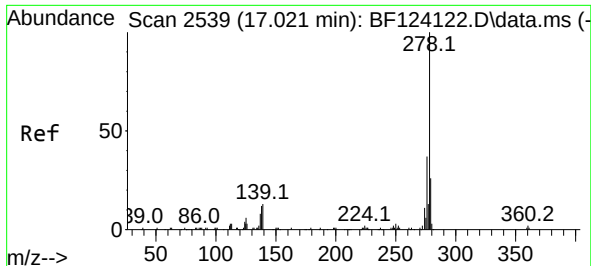
Ion Ratio Lower Upper

252 100

253 27.4 18.4 27.6

125 11.0 8.0 12.0

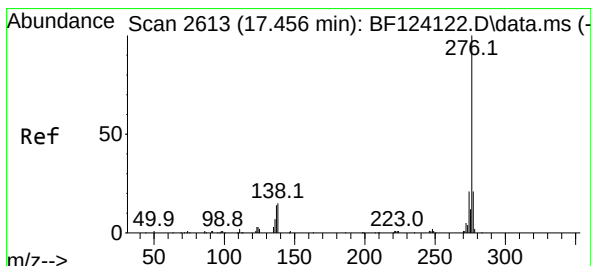
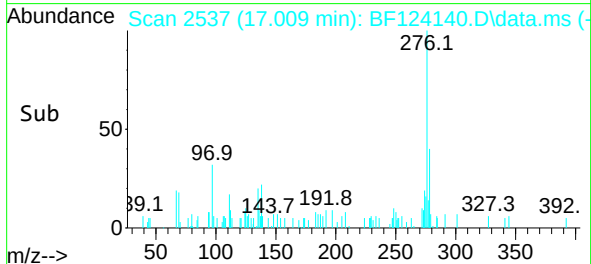
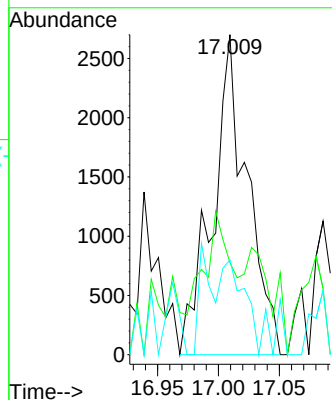
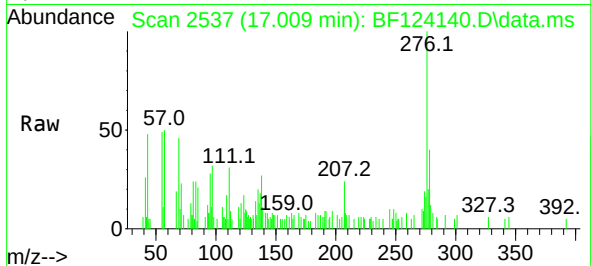




#91
Dibenzo(a,h)anthracene
Concen: 5.246 ng
RT: 17.009 min Scan# 2537
Delta R.T. -0.012 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

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

Tgt Ion:278 Resp: 5333
Ion Ratio Lower Upper
278 100
139 28.8 10.2 15.2#
279 29.7 19.4 29.0#



#92
Benzo(g,h,i)perylene
Concen: 6.661 ng
RT: 17.457 min Scan# 2613
Delta R.T. 0.001 min
Lab File: BF124140.D
Acq: 4 Jun 2021 15:22

Tgt Ion:276 Resp: 13904
Ion Ratio Lower Upper
276 100
277 23.9 18.2 27.2
138 27.5 13.8 20.6#

