

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
 Data File : BP005370.D
 Acq On : 22 Apr 2021 12:01
 Operator : CG/JU
 Sample : M2024-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-02-071-B

Quant Time: Apr 22 14:58:20 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP042121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 21 17:40:15 2021
 Response via : Initial Calibration

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

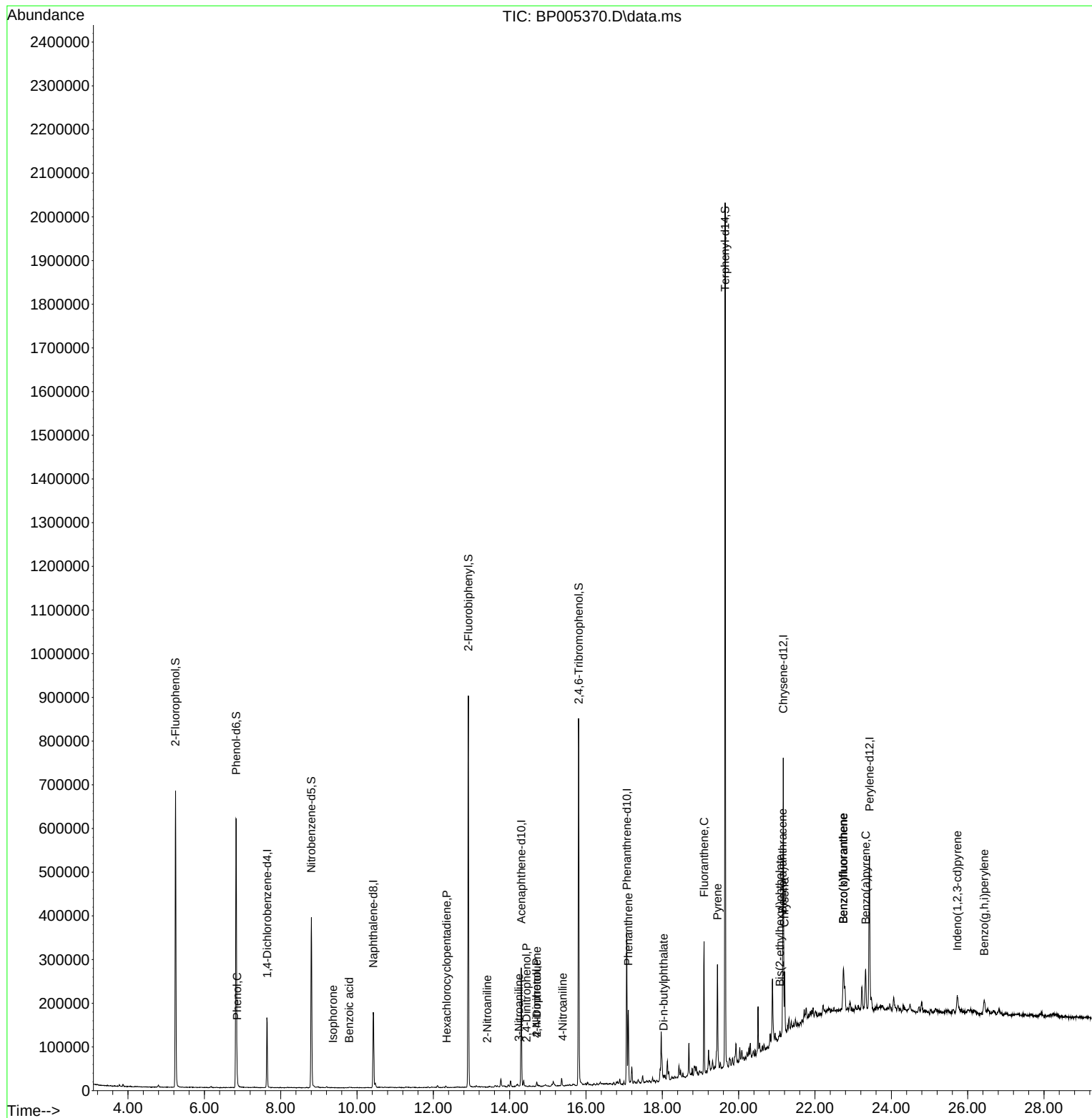
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.645	152	32426	20.00	ng	0.00
21) Naphthalene-d8	10.428	136	114342	20.00	ng	# 0.00
39) Acenaphthene-d10	14.304	164	78986	20.00	ng	0.00
64) Phenanthrene-d10	17.068	188	191370	20.00	ng	0.00
76) Chrysene-d12	21.168	240	249174	20.00	ng	0.00
86) Perylene-d12	23.427	264	258931	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	209800	112.39	ng	0.00
7) Phenol-d6	6.834	99	271270	105.47	ng	0.00
23) Nitrobenzene-d5	8.804	82	213831	81.34	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	131237	86.86	ng	0.00
45) 2-Fluorobiphenyl	12.916	172	372626	61.07	ng	0.00
79) Terphenyl-d14	19.645	244	765063	56.90	ng	0.00
Target Compounds						
						Qvalue
10) Phenol	6.857	94	6271	2.44	ng	# 39
25) Isophorone	9.369	82	53	2.96	ng	# 73
32) Benzoic acid	9.792	122	19	7.76	ng	# 1
41) Hexachlorocyclopentadiene	12.345	237	24	6.98	ng	75
48) 2-Nitroaniline	13.410	65	71	5.49	ng	# 29
53) 3-Nitroaniline	14.245	138	19	2.67	ng	# 37
54) 2,4-Dinitrophenol	14.439	184	8	7.53	ng	# 1
56) 4-Nitrophenol	14.704	139	2235	7.52	ng	# 1
57) 2,4-Dinitrotoluene	14.710	165	69	3.14	ng	# 1
62) 4-Nitroaniline	15.392	138	25	3.84	ng	# 20
71) Phenanthrene	17.110	178	90886	8.91	ng	100
74) Di-n-butylphthalate	18.033	149	5154	4.44	ng	# 95
75) Fluoranthene	19.092	202	149451	10.67	ng	98
78) Pyrene	19.445	202	133713	9.57	ng	98
81) Benzo(a)anthracene	21.151	228	75257	4.69	ng	97
83) Chrysene	21.203	228	72299	4.53	ng	97
84) Bis(2-ethylhexyl)phtha...	21.080	149	5204	3.85	ng	93
87) Indeno(1,2,3-cd)pyrene	25.727	276	41353	2.09	ng	98
88) Benzo(b)fluoranthene	22.745	252	86794	5.09	ng	99
89) Benzo(k)fluoranthene	22.745	252	86794	5.19	ng	98
90) Benzo(a)pyrene	23.327	252	63317	4.07	ng	# 96
92) Benzo(g,h,i)perylene	26.433	276	39338	2.45	ng	94

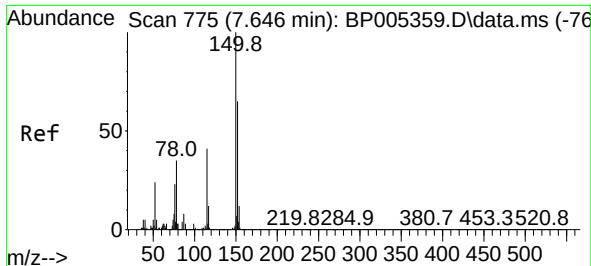
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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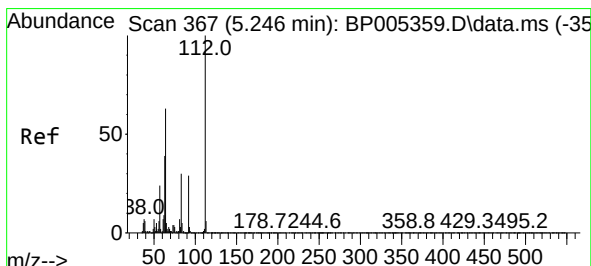
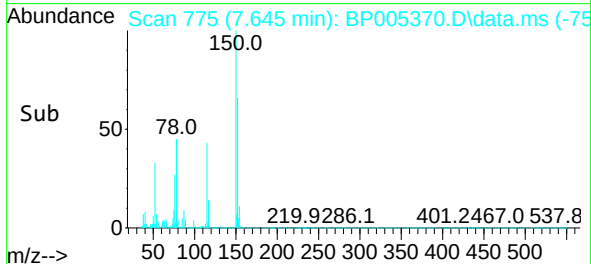
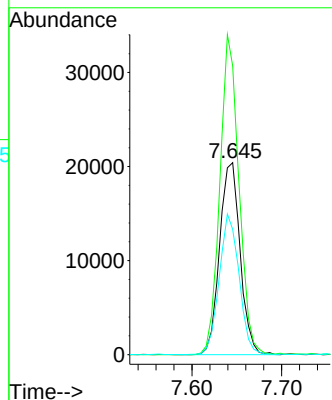
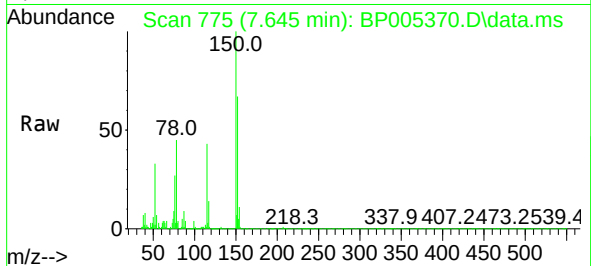




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.645 min Scan# 775
Delta R.T. -0.001 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

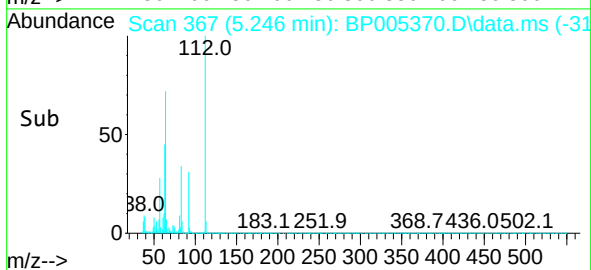
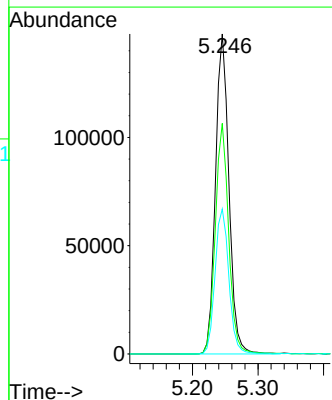
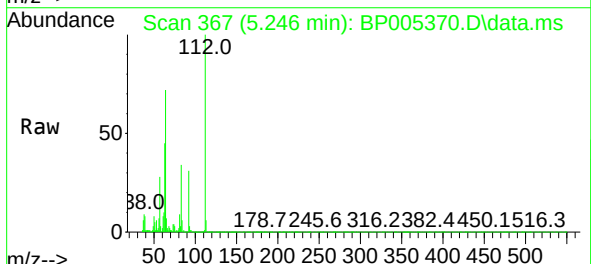
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-071-B

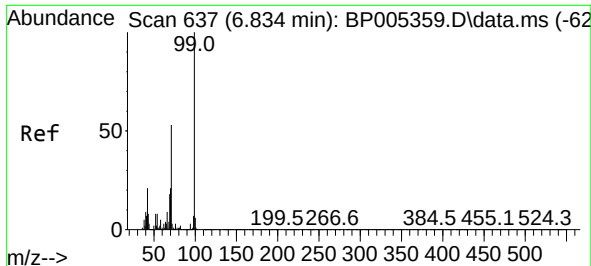
Tgt Ion:152 Resp: 32426
Ion Ratio Lower Upper
152 100
150 150.4 119.8 179.8
115 65.2 49.0 73.4



#5
2-Fluorophenol
Concen: 112.39 ng
RT: 5.246 min Scan# 367
Delta R.T. -0.000 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

Tgt Ion:112 Resp: 209800
Ion Ratio Lower Upper
112 100
64 72.0 33.6 50.4#
63 45.3 18.6 27.8#

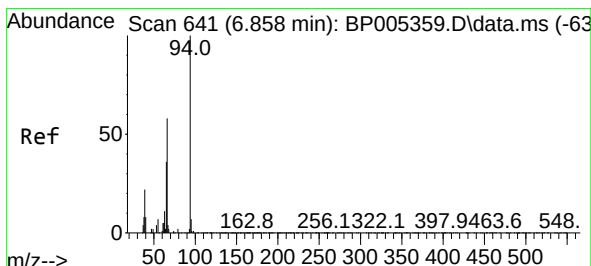
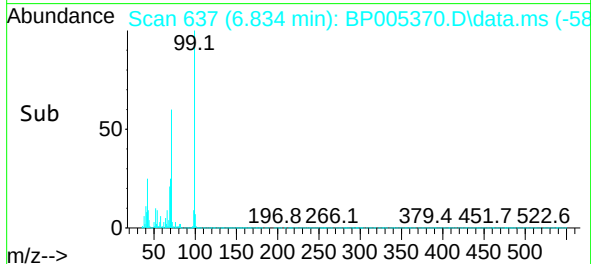
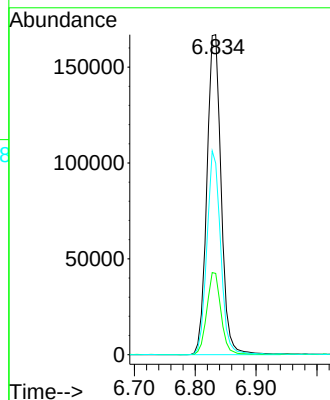
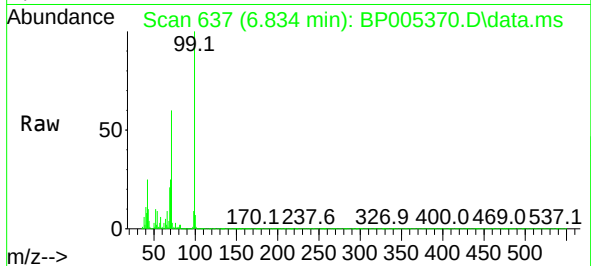




#7
Phenol-d6
Concen: 105.47 ng
RT: 6.834 min Scan# 637
Delta R.T. -0.000 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

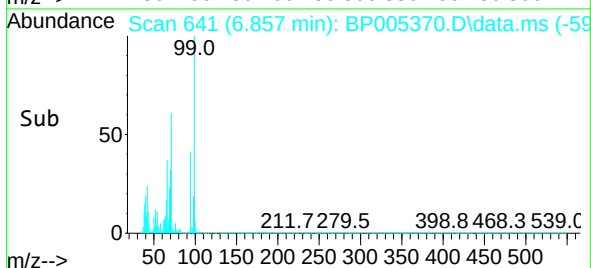
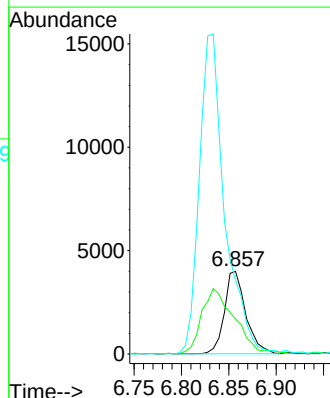
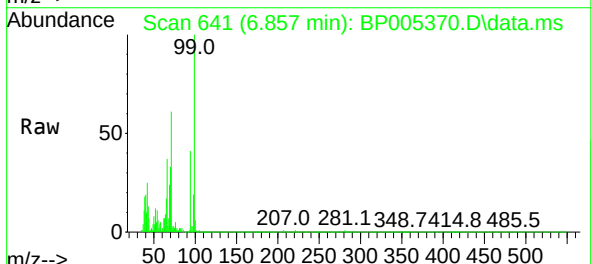
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-071-B

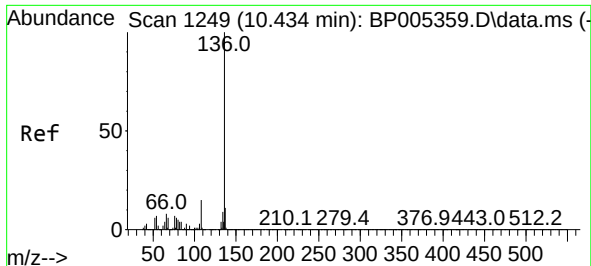
Tgt Ion: 99 Resp: 271270
Ion Ratio Lower Upper
99 100
42 25.4 12.9 19.3#
71 59.8 26.7 40.1#



#10
Phenol
Concen: 2.44 ng
RT: 6.857 min Scan# 641
Delta R.T. -0.000 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

Tgt Ion: 94 Resp: 6271
Ion Ratio Lower Upper
94 100
65 42.3 8.0 48.0
66 89.2 17.3 57.3#

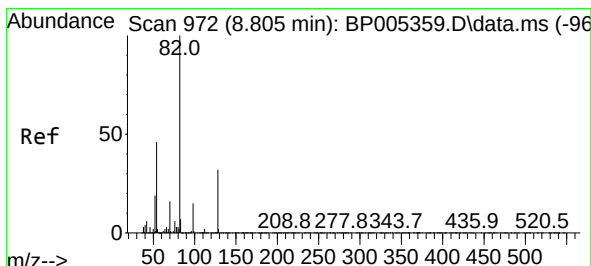
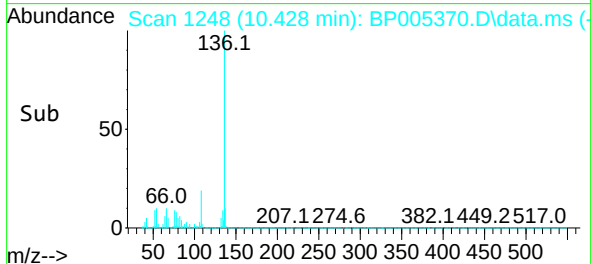
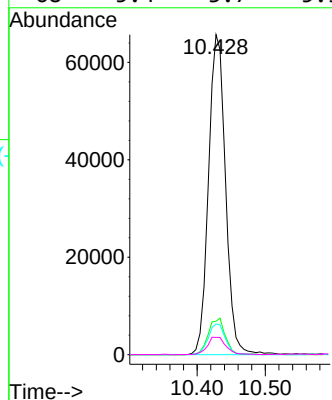
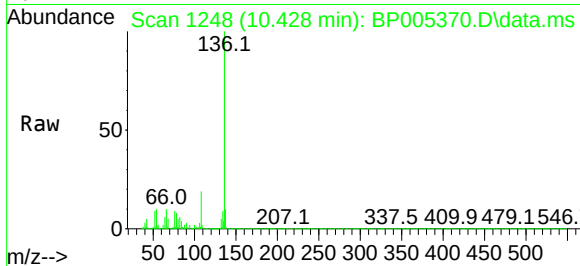




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

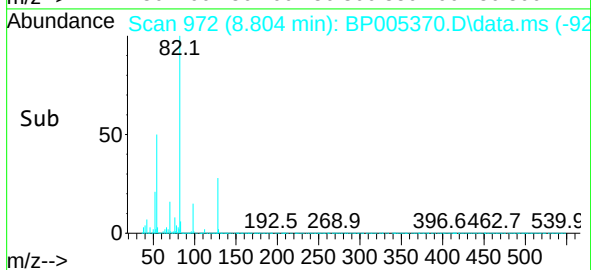
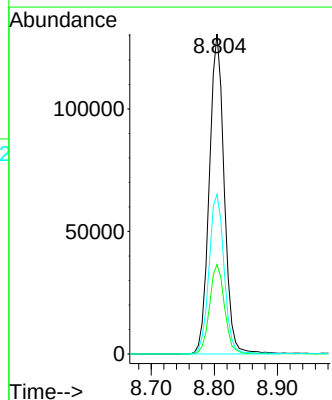
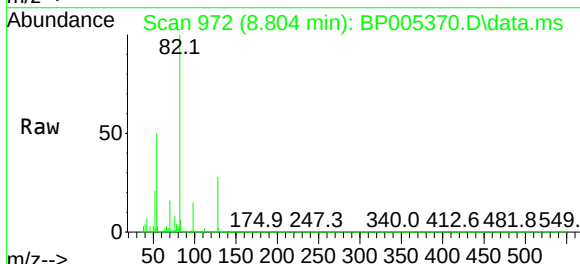
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-071-B

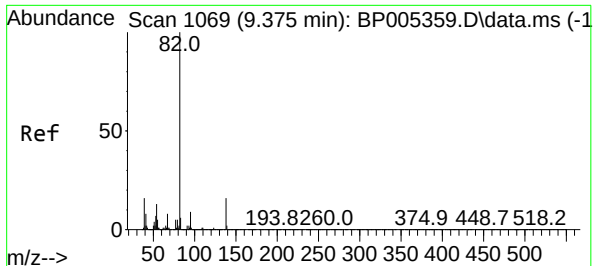
Tgt Ion:	136	Resp:	114342
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.9	13.3
54	9.6	5.0	7.4#
68	5.4	3.7	5.5



#23
Nitrobenzene-d5
Concen: 81.34 ng
RT: 8.804 min Scan# 972
Delta R.T. -0.001 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

Tgt Ion:	82	Resp:	213831
Ion Ratio	Lower	Upper	
82	100		
128	28.0	30.5	45.7#
54	49.8	33.9	50.9

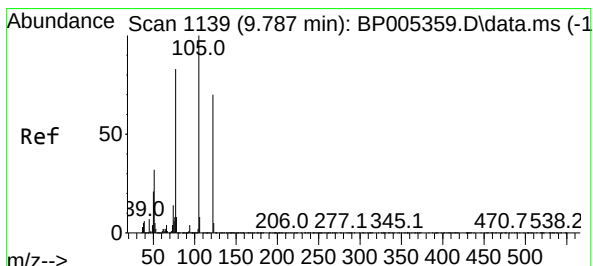
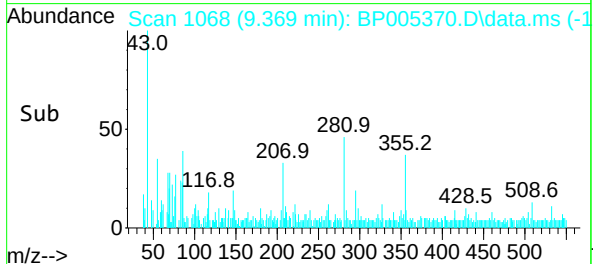
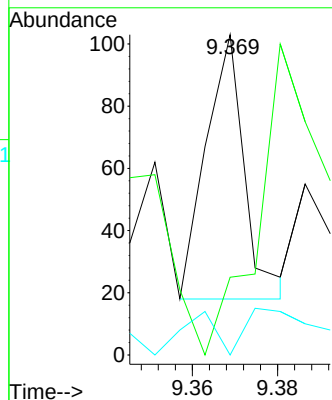
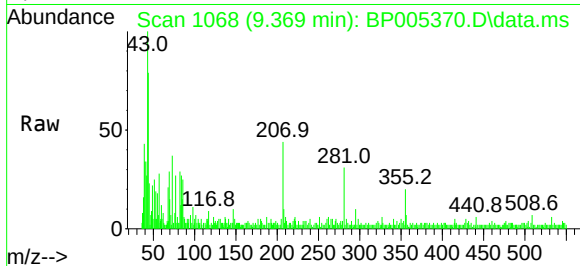




#25
Isophorone
Concen: 2.96 ng
RT: 9.369 min Scan# 1068
Delta R.T. -0.006 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

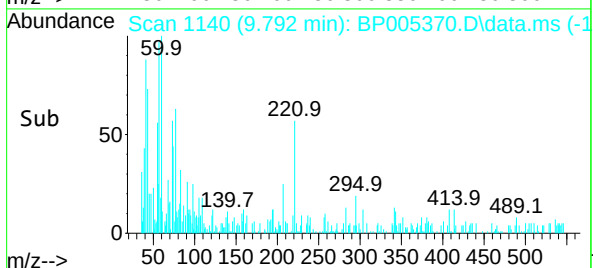
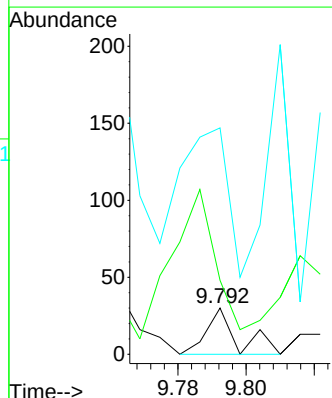
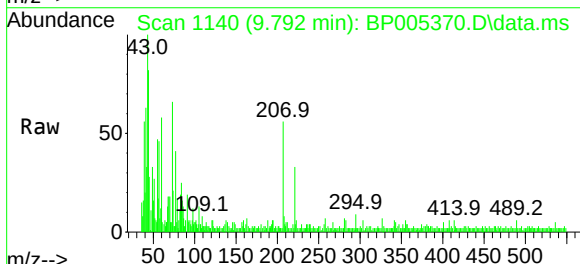
Instrument :
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ClientSampleId :
FK-GF-02-071-B

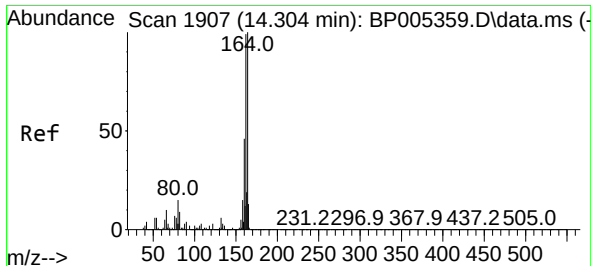
Tgt Ion:	82	Resp:	53
Ion	Ratio	Lower	Upper
82	100		
95	24.3	7.5	11.3#
138	9.7	14.6	22.0#



#32
Benzoic acid
Concen: 7.76 ng
RT: 9.792 min Scan# 1140
Delta R.T. 0.005 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

Tgt Ion:	122	Resp:	19
Ion	Ratio	Lower	Upper
122	100		
105	160.0	105.1	145.1#
77	490.0	69.6	109.6#

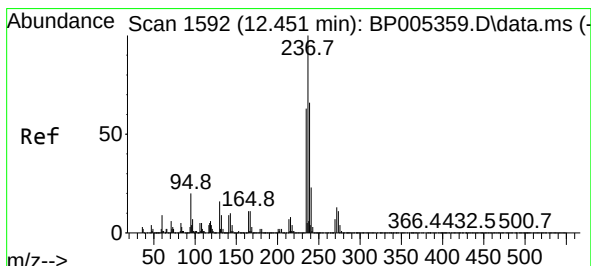
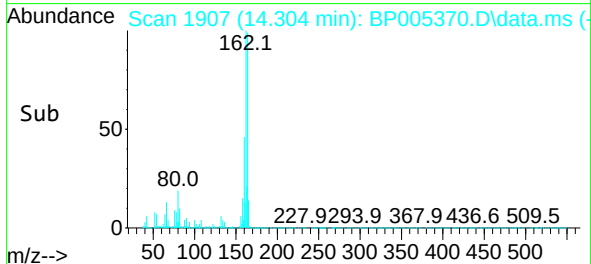
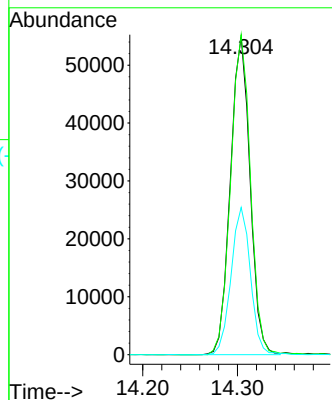
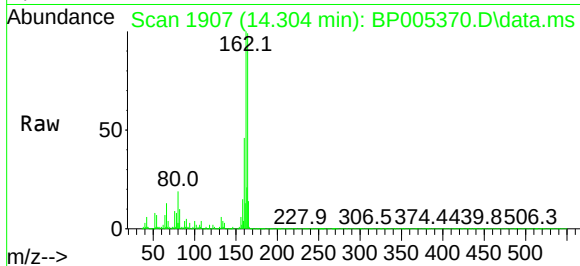




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.304 min Scan# 1907
Delta R.T. -0.000 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

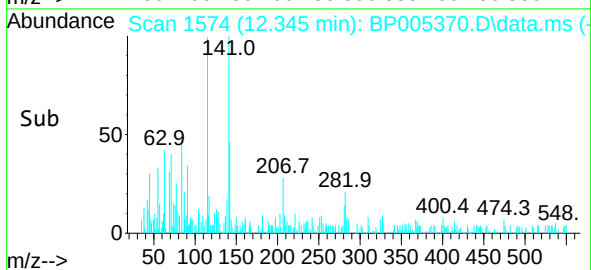
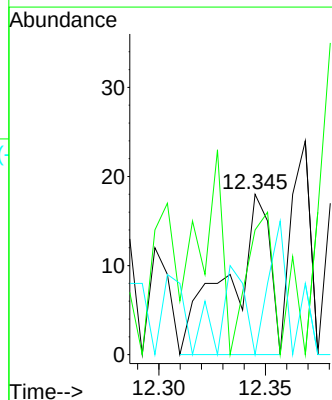
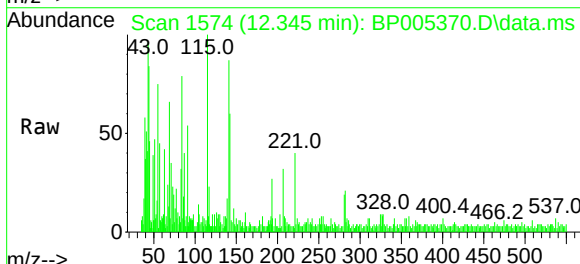
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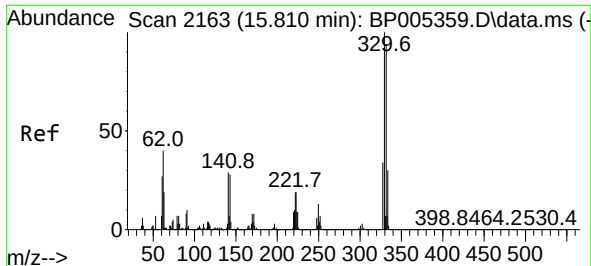
Tgt Ion:164	Resp:	78986
Ion Ratio	Lower	Upper
164	100	
162	100.8	73.5 110.3
160	46.4	40.6 61.0



#41
Hexachlorocyclopentadiene
Concen: 6.98 ng
RT: 12.345 min Scan# 1574
Delta R.T. -0.106 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

Tgt Ion:237	Resp:	24
Ion Ratio	Lower	Upper
237	100	
235	77.8	40.9 80.9
272	0.0	0.0 34.6

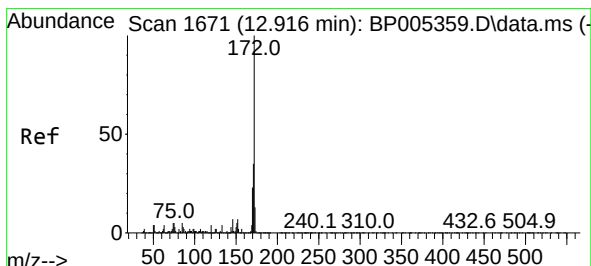
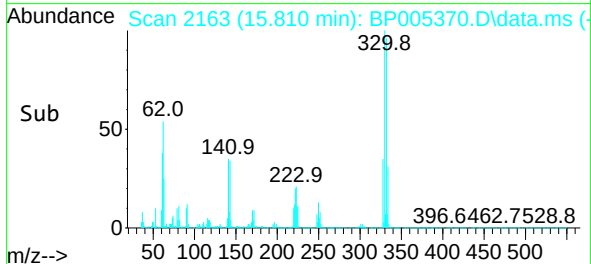
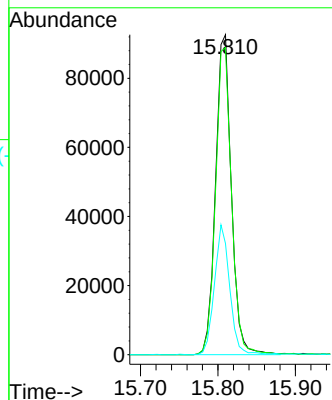
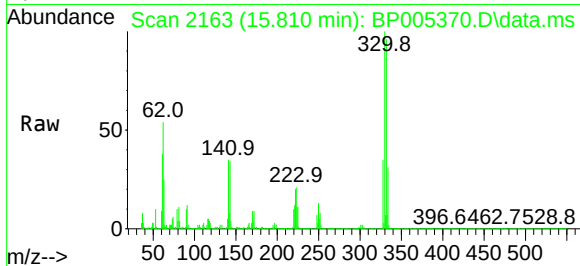




#42
2,4,6-Tribromophenol
Concen: 86.86 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

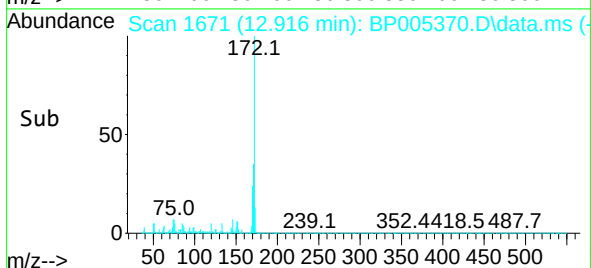
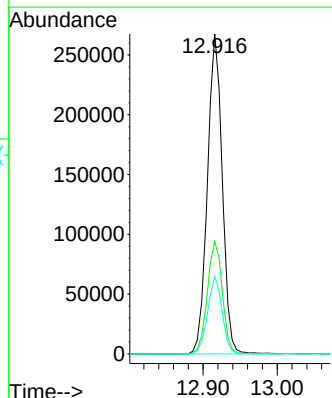
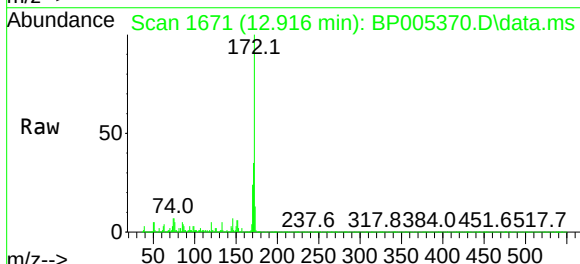
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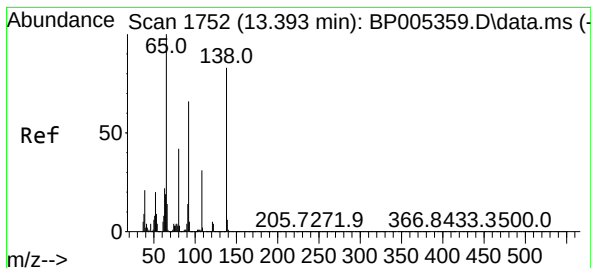
Tgt Ion:330 Resp: 131237
Ion Ratio Lower Upper
330 100
332 97.1 76.3 114.5
141 39.3 22.8 34.2#



#45
2-Fluorobiphenyl
Concen: 61.07 ng
RT: 12.916 min Scan# 1671
Delta R.T. -0.000 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

Tgt Ion:172 Resp: 372626
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 24.3 19.6 29.4

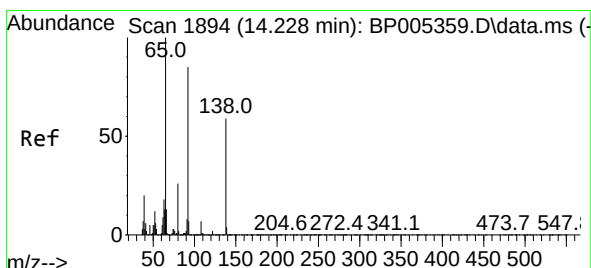
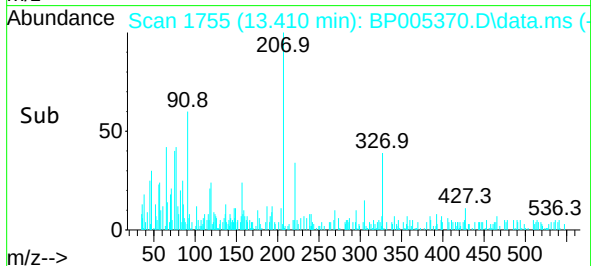
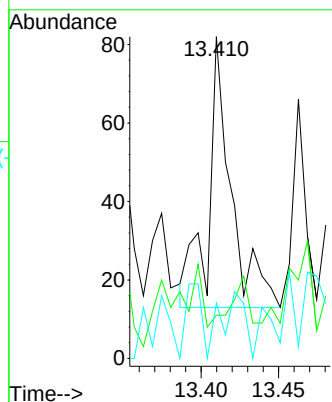
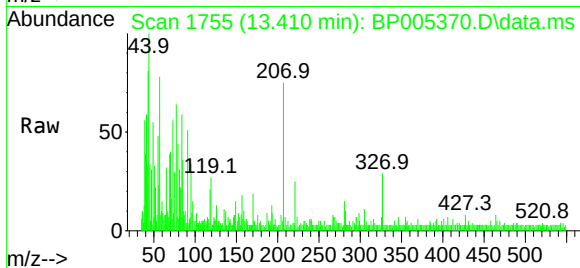




#48
2-Nitroaniline
Concen: 5.49 ng
RT: 13.410 min Scan# 1755
Delta R.T. 0.017 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

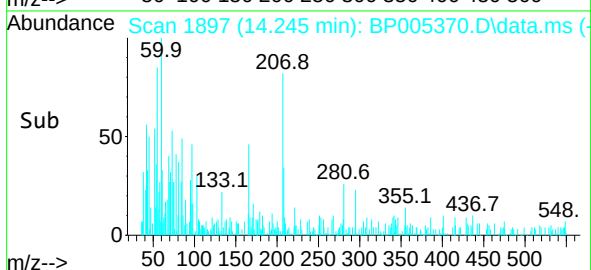
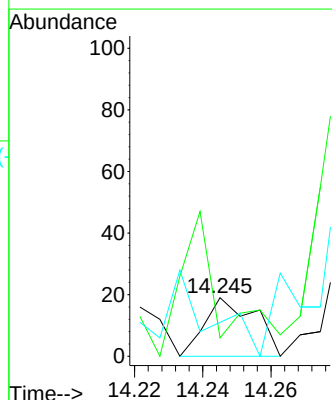
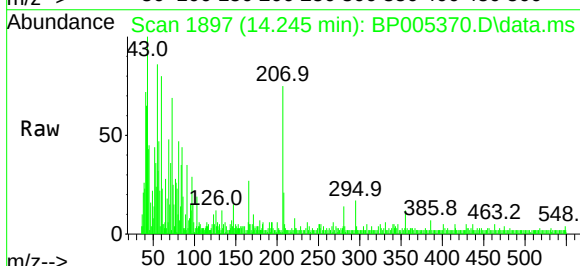
Instrument :
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ClientSampleId :
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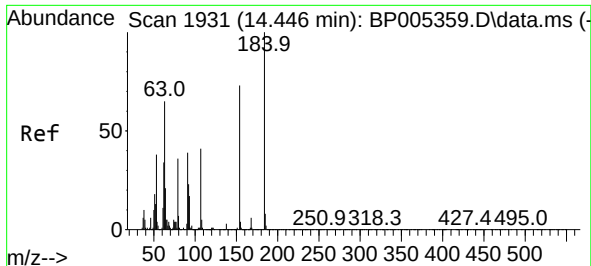
Tgt Ion: 65 Resp: 71
Ion Ratio Lower Upper
65 100
92 12.6 48.8 73.2#
138 16.1 69.5 104.3#



#53
3-Nitroaniline
Concen: 2.67 ng
RT: 14.245 min Scan# 1897
Delta R.T. 0.017 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

Tgt Ion: 138 Resp: 19
Ion Ratio Lower Upper
138 100
108 31.6 10.2 15.4#
92 57.9 108.1 162.1#

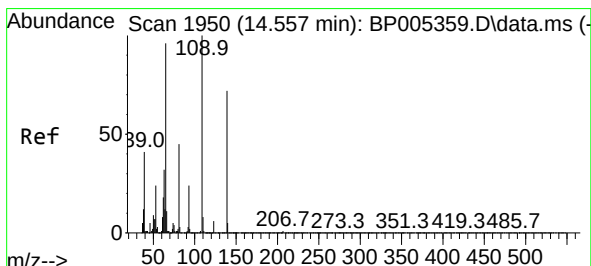
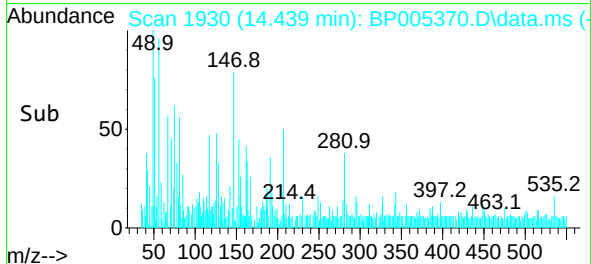
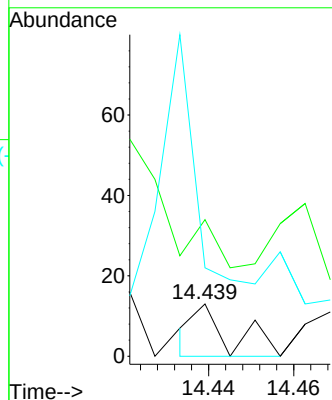
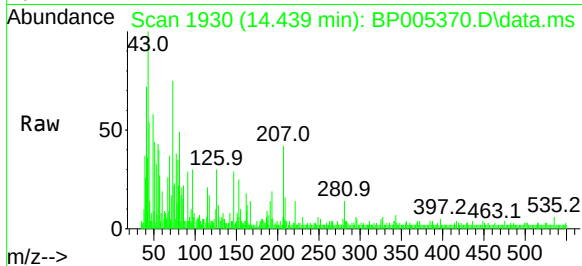




#54
2,4-Dinitrophenol
Concen: 7.53 ng
RT: 14.439 min Scan# 1930
Delta R.T. -0.007 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

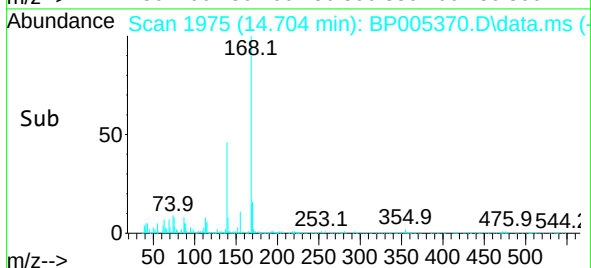
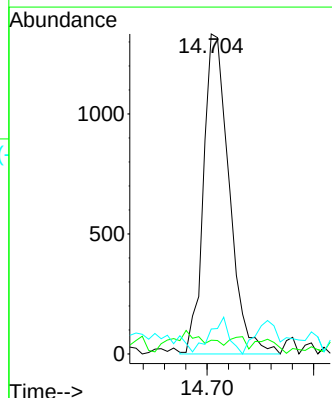
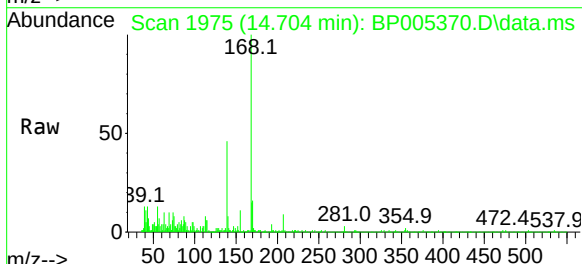
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-071-B

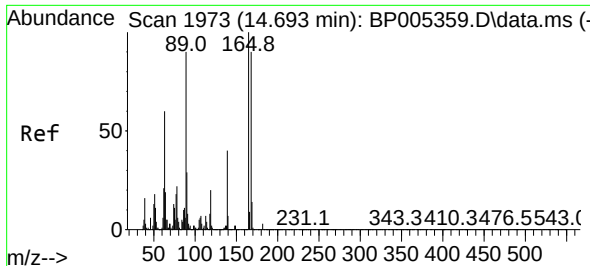
Tgt Ion:184 Resp: 8
Ion Ratio Lower Upper
184 100
63 261.5 51.2 76.8#
154 169.2 55.8 83.8#



#56
4-Nitrophenol
Concen: 7.52 ng
RT: 14.704 min Scan# 1975
Delta R.T. 0.147 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

Tgt Ion:139 Resp: 2235
Ion Ratio Lower Upper
139 100
109 4.3 122.8 162.8#
65 7.8 110.0 150.0#

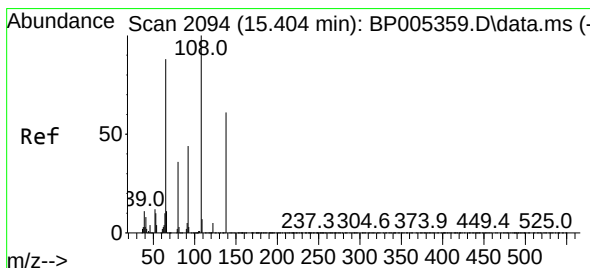
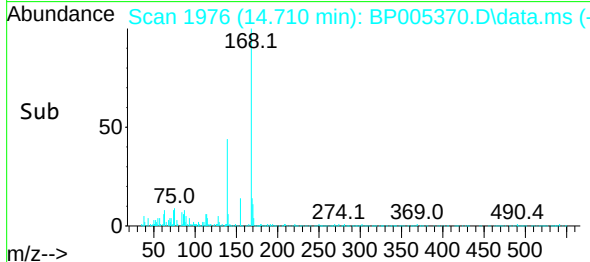
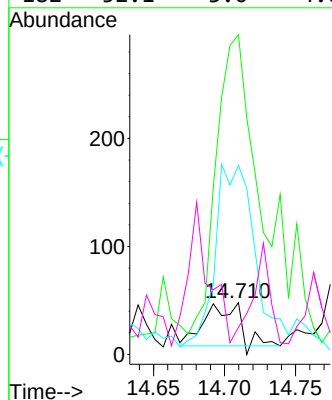
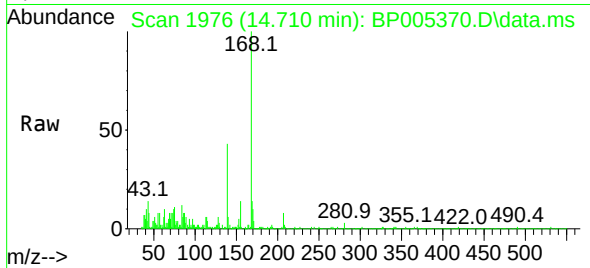




#57
2,4-Dinitrotoluene
Concen: 3.14 ng
RT: 14.710 min Scan# 1976
Delta R.T. 0.017 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

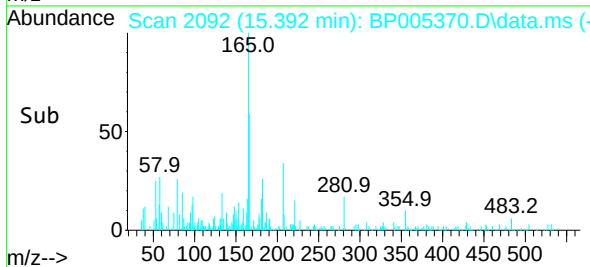
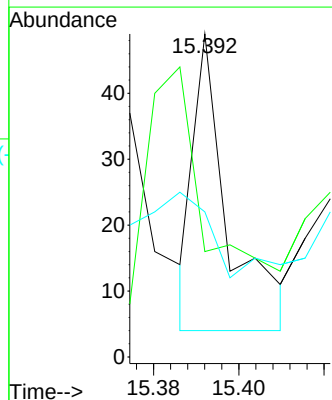
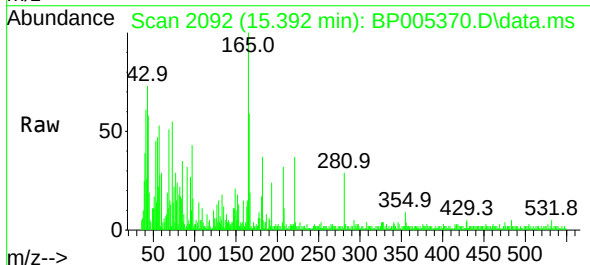
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-071-B

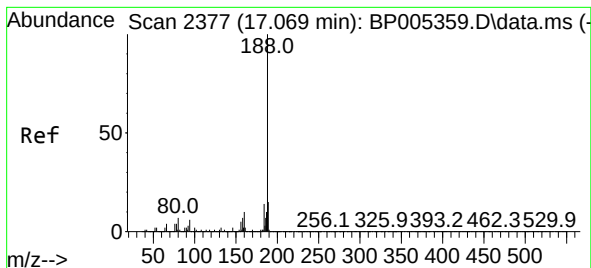
Tgt Ion:165 Resp: 69
Ion Ratio Lower Upper
165 100
63 616.7 56.7 85.1#
89 364.6 85.8 128.6#
182 52.1 3.0 4.6#



#62
4-Nitroaniline
Concen: 3.84 ng
RT: 15.392 min Scan# 2092
Delta R.T. -0.012 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

Tgt Ion:138 Resp: 25
Ion Ratio Lower Upper
138 100
92 32.7 50.9 90.9#
108 44.9 154.7 194.7#

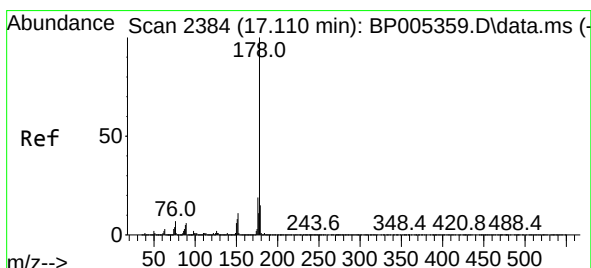
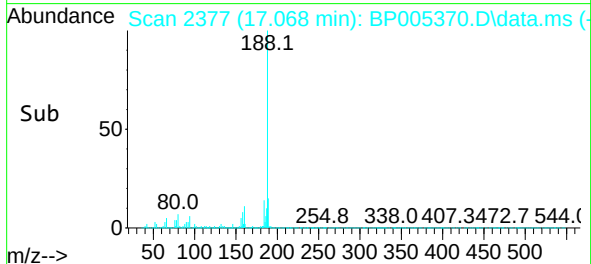
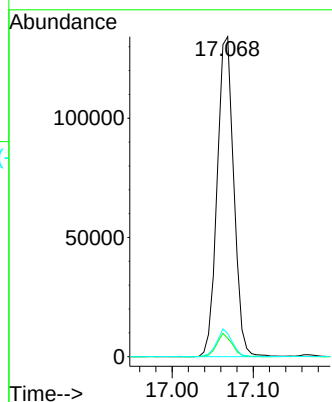
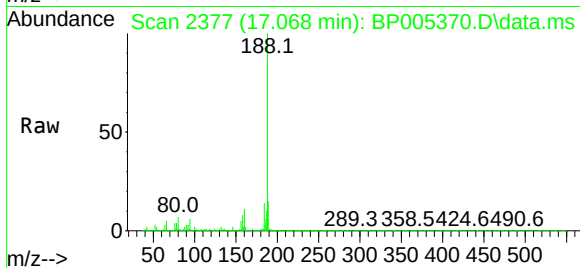




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.068 min Scan# 2377
Delta R.T. -0.001 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

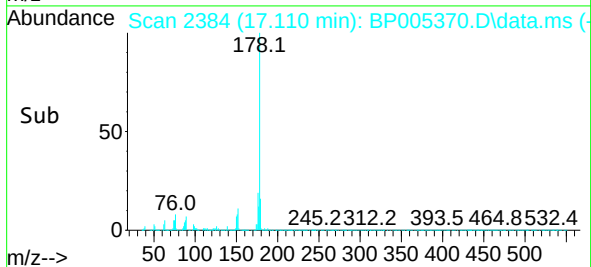
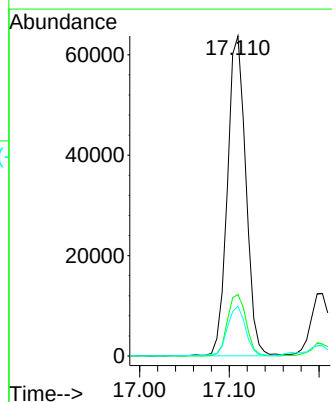
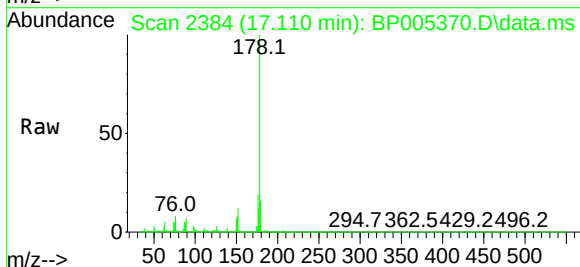
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-071-B

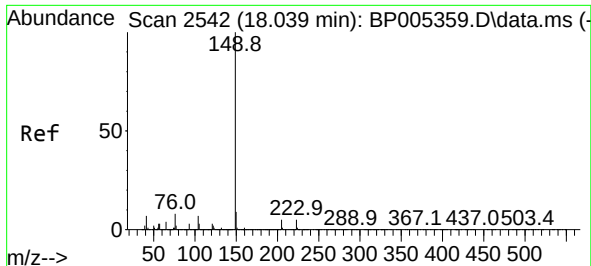
Tgt Ion:188 Resp: 191370
Ion Ratio Lower Upper
188 100
94 5.7 5.0 7.6
80 7.3 5.9 8.9



#71
Phenanthrene
Concen: 8.91 ng
RT: 17.110 min Scan# 2384
Delta R.T. -0.000 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

Tgt Ion:178 Resp: 90886
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 15.6 12.3 18.5

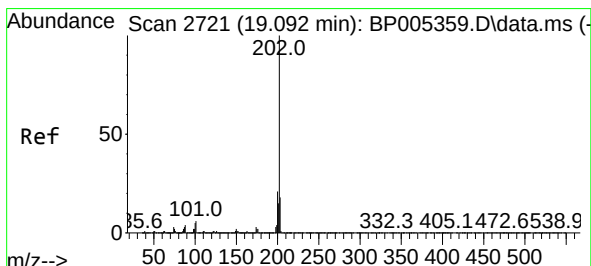
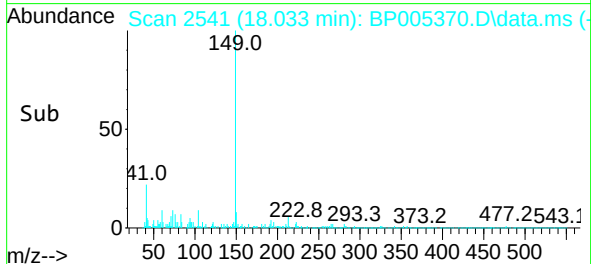
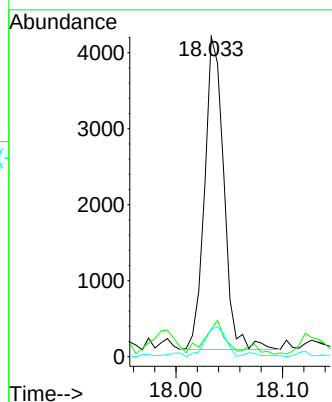
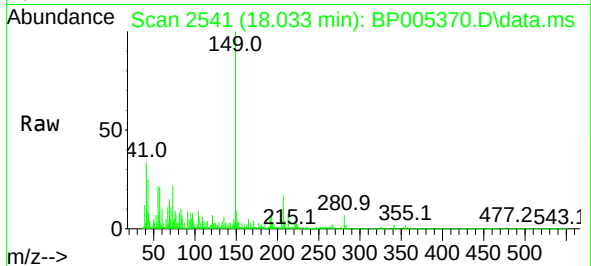




#74
Di-n-butylphthalate
Concen: 4.44 ng
RT: 18.033 min Scan# 2541
Delta R.T. -0.006 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

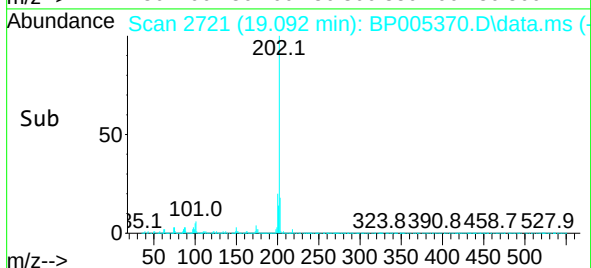
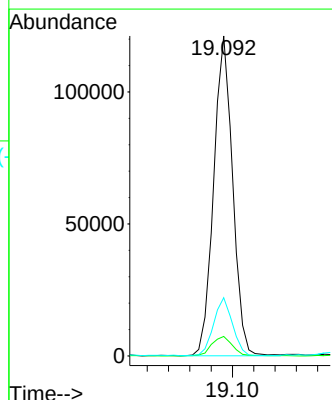
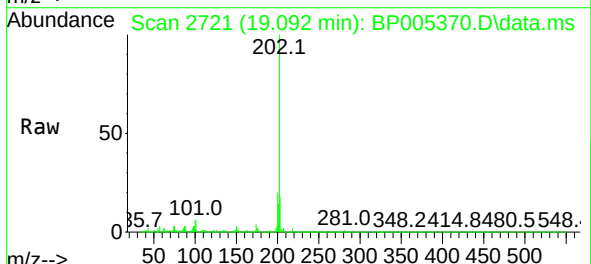
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-071-B

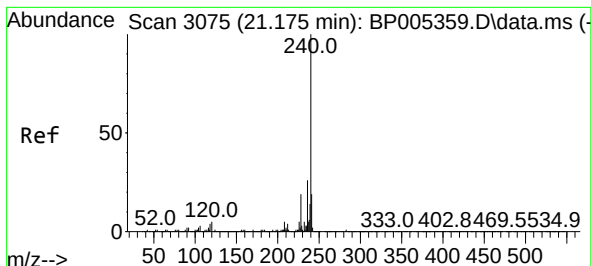
Tgt Ion:149 Resp: 5154
Ion Ratio Lower Upper
149 100
150 8.6 7.6 11.4
104 8.5 8.9 13.3#



#75
Fluoranthene
Concen: 10.67 ng
RT: 19.092 min Scan# 2721
Delta R.T. -0.000 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

Tgt Ion:202 Resp: 149451
Ion Ratio Lower Upper
202 100
101 6.1 0.0 26.1
203 18.2 0.0 37.2

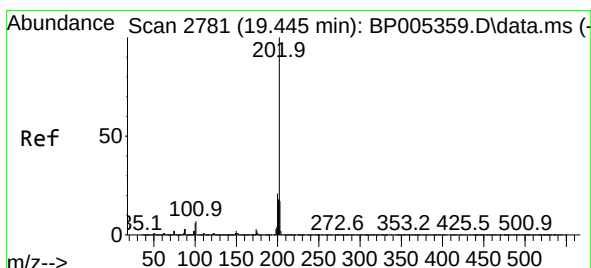
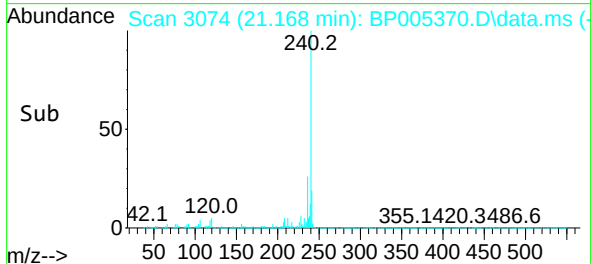
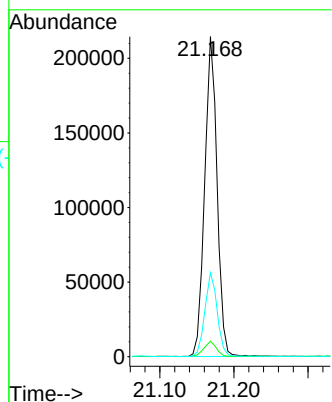
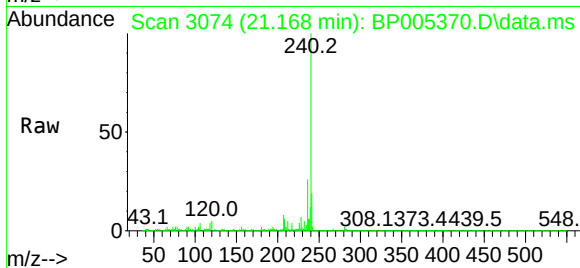




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.168 min Scan# 3074
Delta R.T. -0.007 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

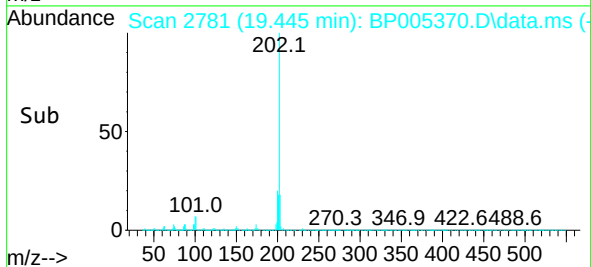
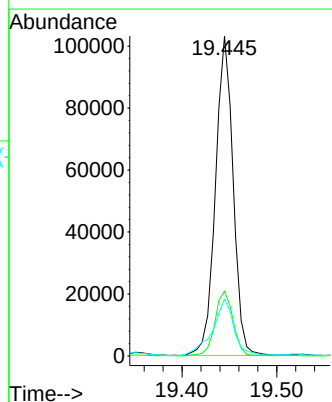
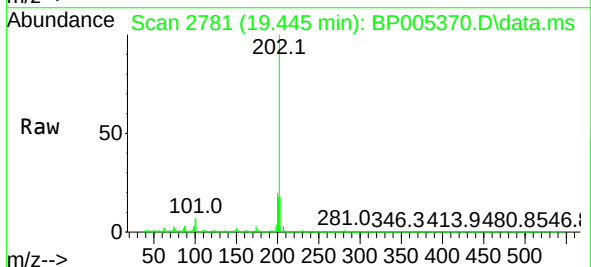
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-071-B

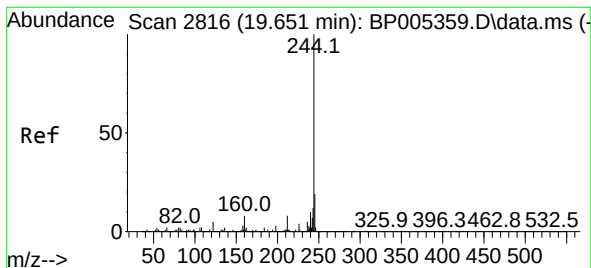
Tgt Ion:240 Resp: 249174
Ion Ratio Lower Upper
240 100
120 4.9 4.2 6.2
236 26.3 20.2 30.2



#78
Pyrene
Concen: 9.57 ng
RT: 19.445 min Scan# 2781
Delta R.T. -0.000 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

Tgt Ion:202 Resp: 133713
Ion Ratio Lower Upper
202 100
200 20.2 16.9 25.3
203 17.7 13.8 20.6





#79

Terphenyl-d14

Concen: 56.90 ng

RT: 19.645 min Scan# 2815

Delta R.T. -0.006 min

Lab File: BP005370.D

Acq: 22 Apr 2021 12:01

Instrument :

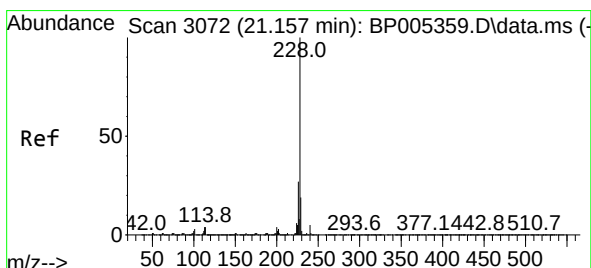
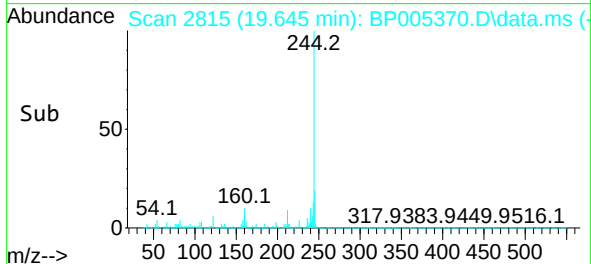
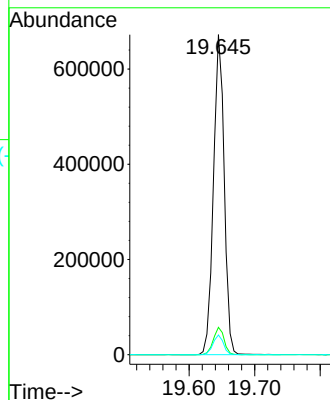
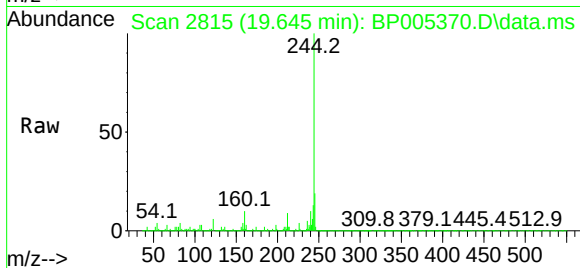
BNA_P

ClientSampleId :

FK-GF-02-071-B

Tgt Ion:244 Resp: 765063

Ion	Ratio	Lower	Upper
244	100		
212	8.6	5.8	8.6
122	6.1	5.2	7.8



#81

Benzo(a)anthracene

Concen: 4.69 ng

RT: 21.151 min Scan# 3071

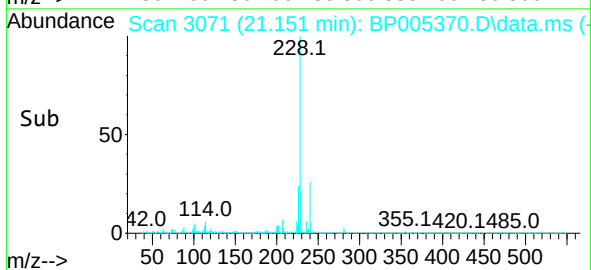
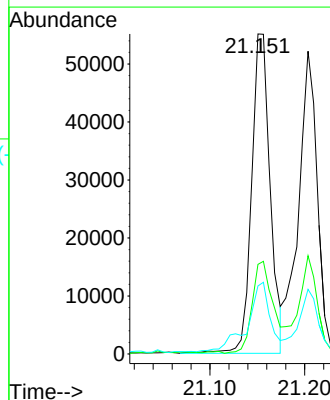
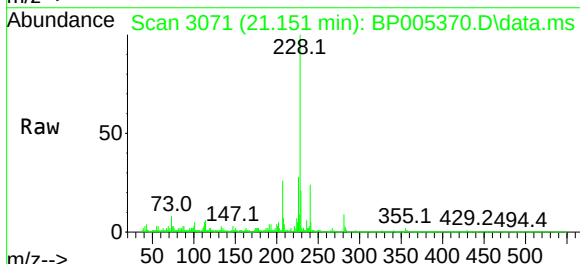
Delta R.T. -0.006 min

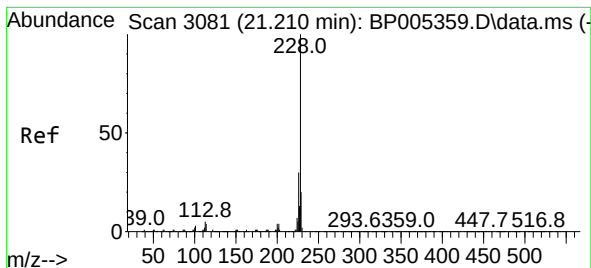
Lab File: BP005370.D

Acq: 22 Apr 2021 12:01

Tgt Ion:228 Resp: 75257

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.2	31.8
229	21.2	15.6	23.4





#83

Chrysene

Concen: 4.53 ng

RT: 21.203 min Scan# 3080

Delta R.T. -0.006 min

Lab File: BP005370.D

Acq: 22 Apr 2021 12:01

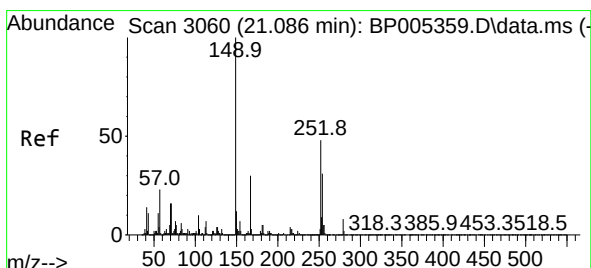
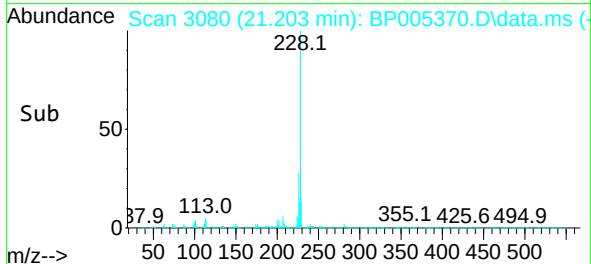
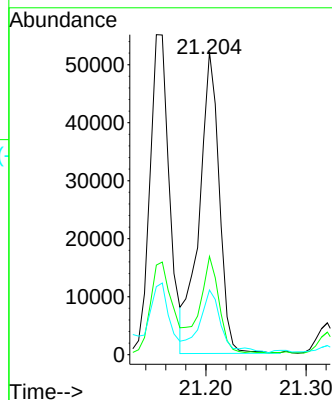
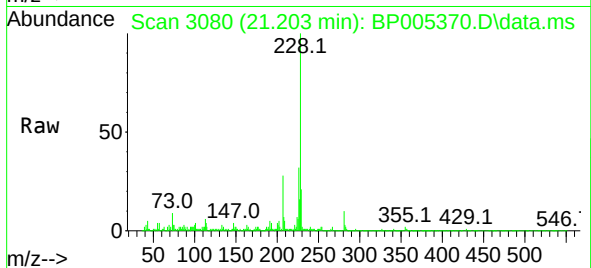
Tgt Ion:228 Resp: 72299

Ion Ratio Lower Upper

228 100

226 32.4 24.8 37.2

229 21.4 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.85 ng

RT: 21.080 min Scan# 3059

Delta R.T. -0.006 min

Lab File: BP005370.D

Acq: 22 Apr 2021 12:01

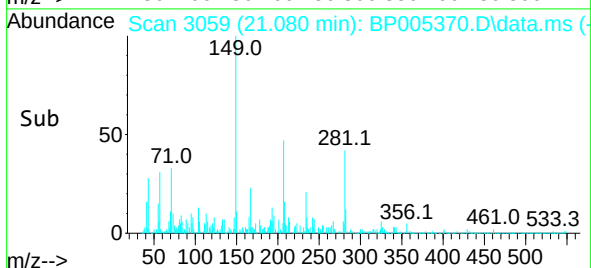
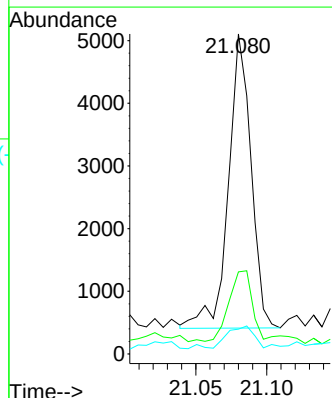
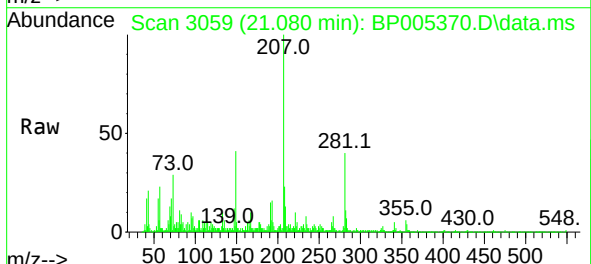
Tgt Ion:149 Resp: 5204

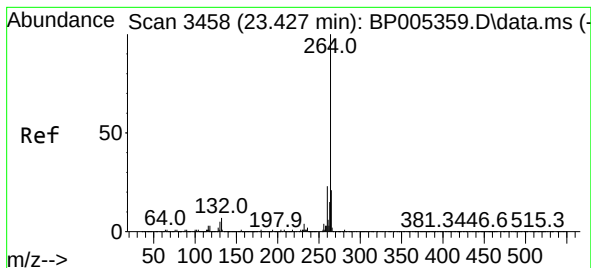
Ion Ratio Lower Upper

149 100

167 25.7 23.8 35.8

279 7.7 5.7 8.5





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.427 min Scan# 3458

Delta R.T. -0.000 min

Lab File: BP005370.D

Acq: 22 Apr 2021 12:01

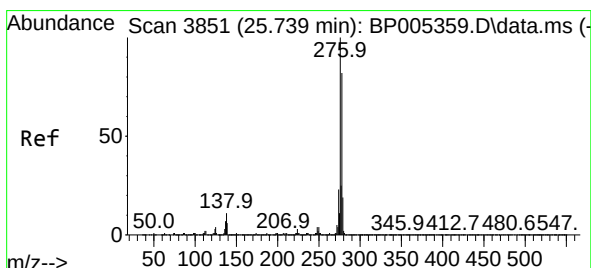
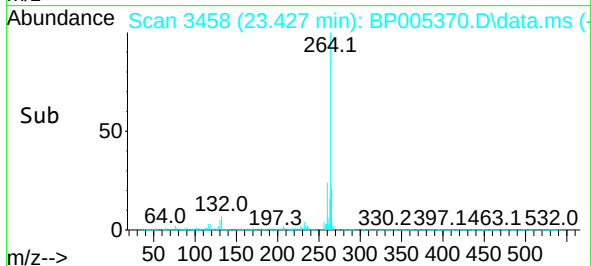
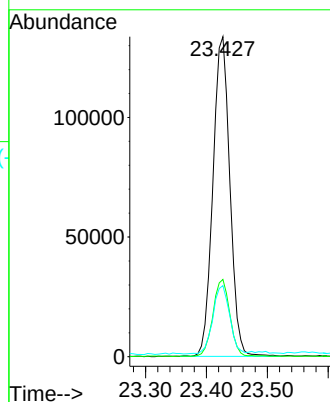
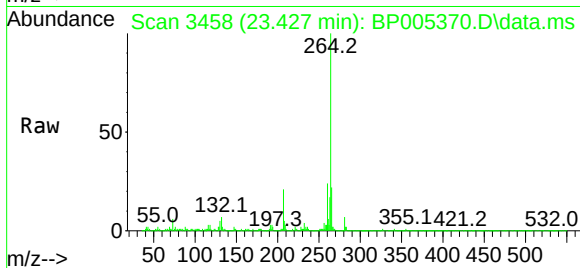
Tgt Ion: 264 Resp: 258931

Ion Ratio Lower Upper

264 100

260 24.2 20.6 30.8

265 22.2 19.0 28.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.09 ng

RT: 25.727 min Scan# 3849

Delta R.T. -0.012 min

Lab File: BP005370.D

Acq: 22 Apr 2021 12:01

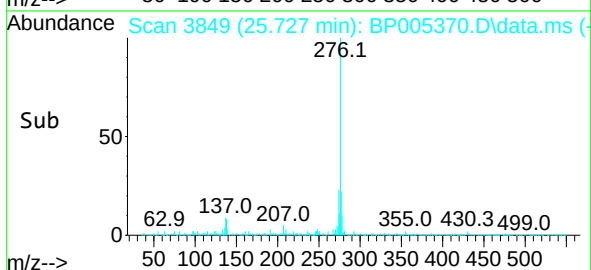
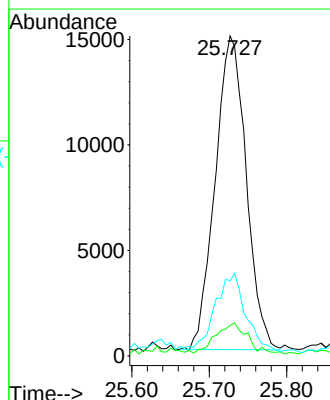
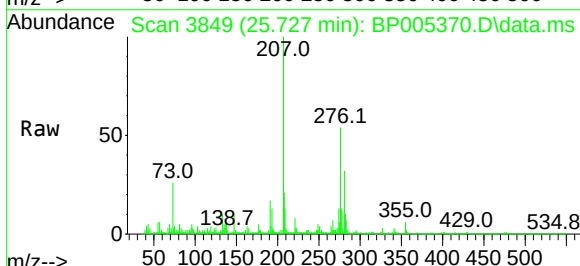
Tgt Ion: 276 Resp: 41353

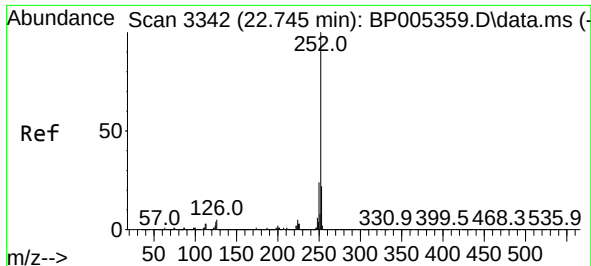
Ion Ratio Lower Upper

276 100

138 10.3 8.4 12.6

277 24.6 20.6 31.0

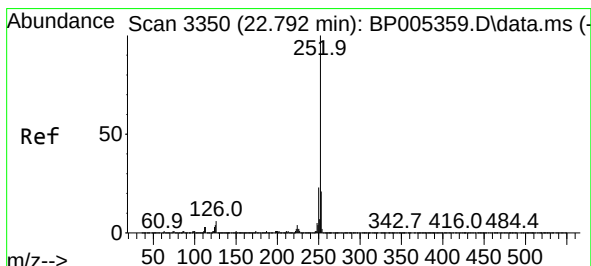
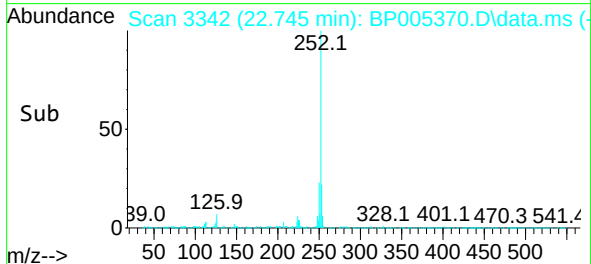
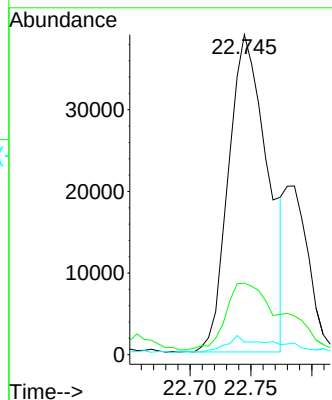
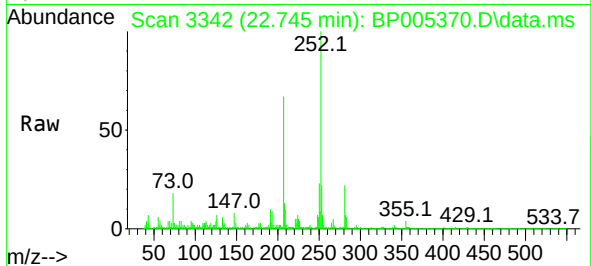




#88
Benzo(b)fluoranthene
Concen: 5.09 ng
RT: 22.745 min Scan# 3342
Delta R.T. -0.000 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

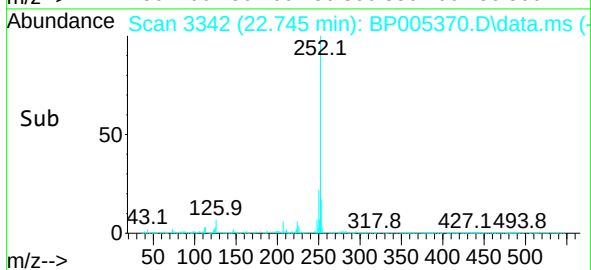
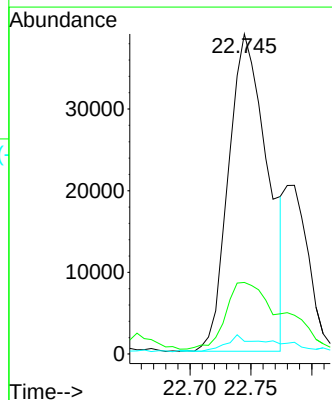
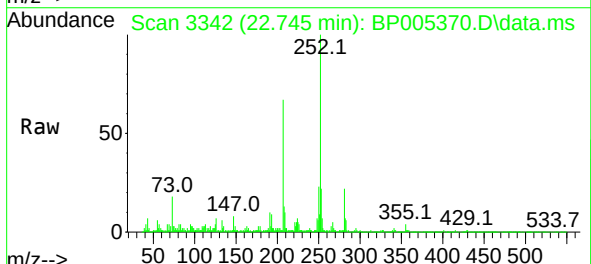
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-071-B

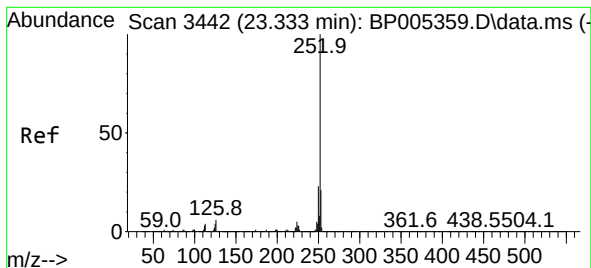
Tgt Ion:252 Resp: 86794
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 4.0 3.4 5.0



#89
Benzo(k)fluoranthene
Concen: 5.19 ng
RT: 22.745 min Scan# 3342
Delta R.T. -0.048 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

Tgt Ion:252 Resp: 86794
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 4.0 3.8 5.6

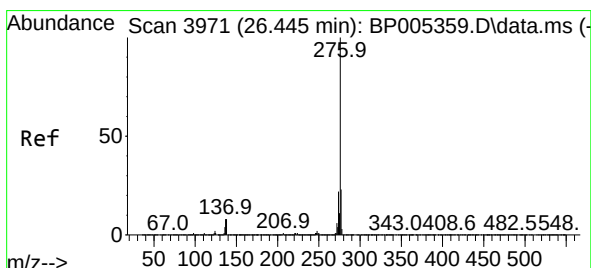
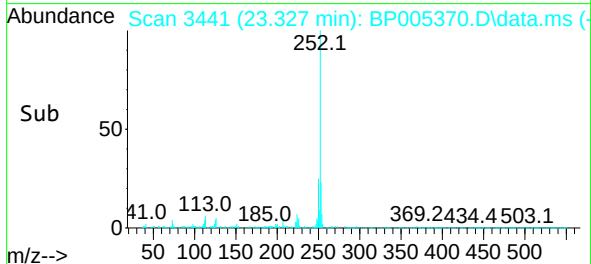
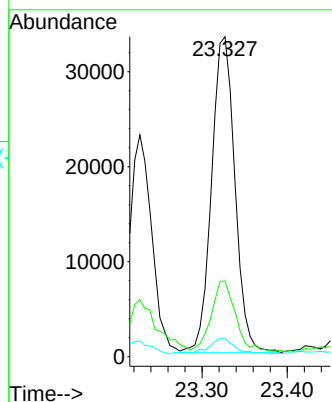
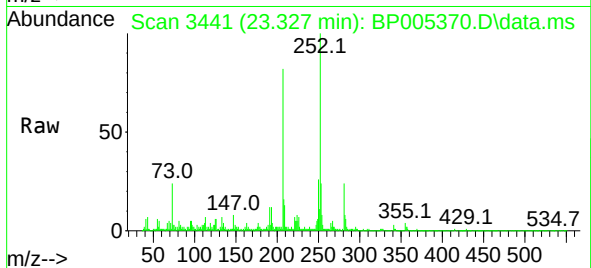




#90
Benzo(a)pyrene
Concen: 4.07 ng
RT: 23.327 min Scan# 3441
Delta R.T. -0.006 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-071-B

Tgt Ion:252 Resp: 63317
Ion Ratio Lower Upper
252 100
253 23.6 17.1 25.7
125 5.7 3.8 5.6#



#92
Benzo(g,h,i)perylene
Concen: 2.45 ng
RT: 26.433 min Scan# 3969
Delta R.T. -0.012 min
Lab File: BP005370.D
Acq: 22 Apr 2021 12:01

Tgt Ion:276 Resp: 39338
Ion Ratio Lower Upper
276 100
277 29.0 19.8 29.8
138 9.9 7.7 11.5

