

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
 Data File : BP005373.D
 Acq On : 22 Apr 2021 13:43
 Operator : CG/JU
 Sample : M2023-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 FK-GF-02-070-A

Quant Time: Apr 22 14:59:44 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)

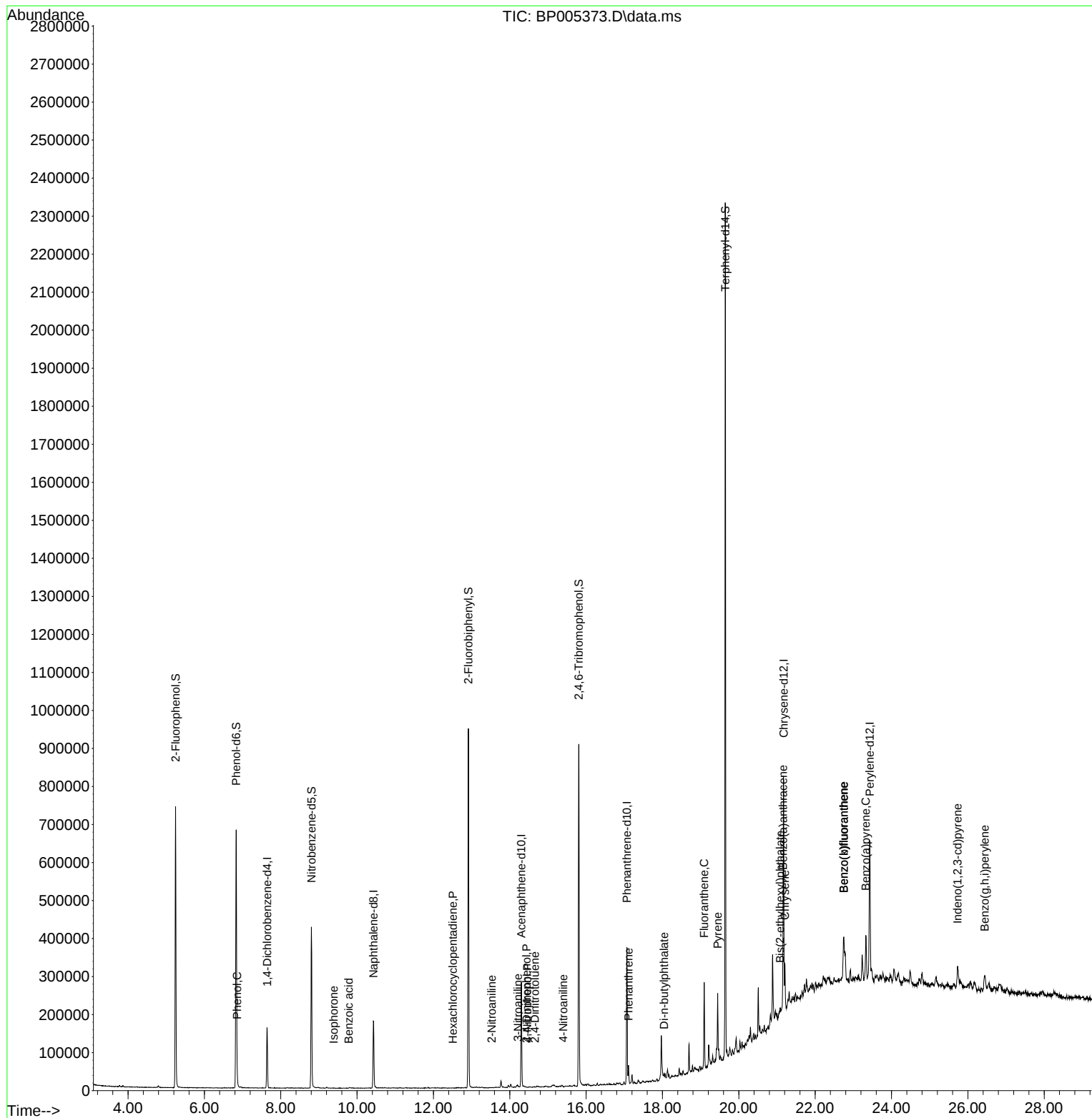
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.646	152	31931	20.00	ng	0.00
21) Naphthalene-d8	10.434	136	113984	20.00	ng	# 0.00
39) Acenaphthene-d10	14.304	164	79028	20.00	ng	0.00
64) Phenanthrene-d10	17.069	188	193733	20.00	ng	0.00
76) Chrysene-d12	21.175	240	252461	20.00	ng	0.00
86) Perylene-d12	23.427	264	261575	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	222010	120.78	ng	0.00
7) Phenol-d6	6.834	99	285576	112.76	ng	0.00
23) Nitrobenzene-d5	8.805	82	231718	88.42	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	143478	94.91	ng	0.00
45) 2-Fluorobiphenyl	12.916	172	401007	65.68	ng	0.00
79) Terphenyl-d14	19.645	244	856023	62.83	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.858	94	7129	2.82	ng	# 12
25) Isophorone	9.387	82	50	2.96	ng	# 92
32) Benzoic acid	9.781	122	56	7.78	ng	# 1
41) Hexachlorocyclopentadiene	12.510	237	10	6.97	ng	78
48) 2-Nitroaniline	13.528	65	24	5.46	ng	91
53) 3-Nitroaniline	14.216	138	31	2.68	ng	# 54
54) 2,4-Dinitrophenol	14.440	184	10	7.53	ng	# 1
56) 4-Nitrophenol	14.457	139	22	5.32	ng	94
57) 2,4-Dinitrotoluene	14.657	165	66	3.14	ng	# 39
62) 4-Nitroaniline	15.398	138	16	3.83	ng	# 54
71) Phenanthrene	17.110	178	26175	2.54	ng	99
74) Di-n-butylphthalate	18.039	149	5959	4.51	ng	97
75) Fluoranthene	19.092	202	111570	7.87	ng	99
78) Pyrene	19.445	202	99356	7.02	ng	97
81) Benzo(a)anthracene	21.157	228	76451	4.71	ng	96
83) Chrysene	21.210	228	65423	4.04	ng	97
84) Bis(2-ethylhexyl)phtha...	21.080	149	4242	3.68	ng	# 95
87) Indeno(1,2,3-cd)pyrene	25.727	276	53952	2.70	ng	94
88) Benzo(b)fluoranthene	22.751	252	106005	6.16	ng	# 97
89) Benzo(k)fluoranthene	22.751	252	106005	6.27	ng	95
90) Benzo(a)pyrene	23.327	252	72103	4.59	ng	# 91
92) Benzo(g,h,i)perylene	26.445	276	50306	3.10	ng	97

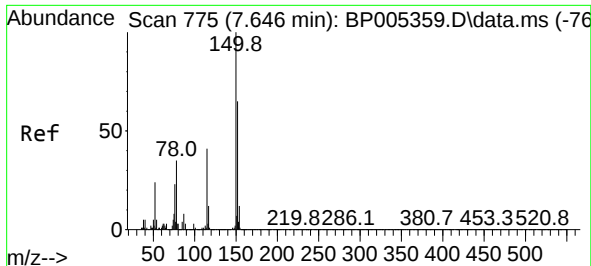
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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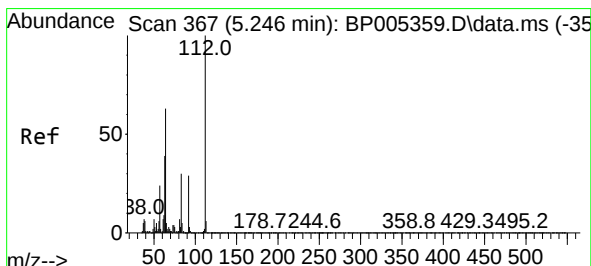
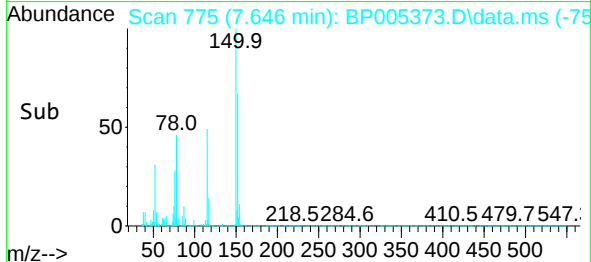
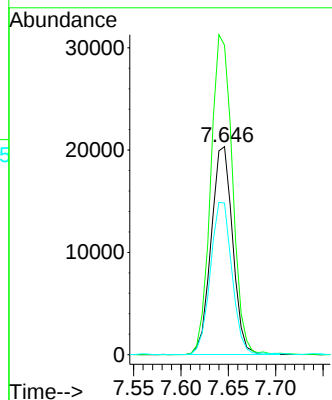
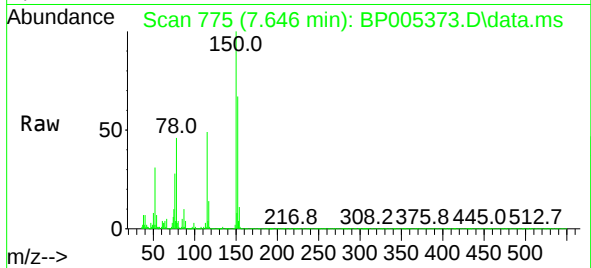




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.646 min Scan# 775
Delta R.T. -0.000 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

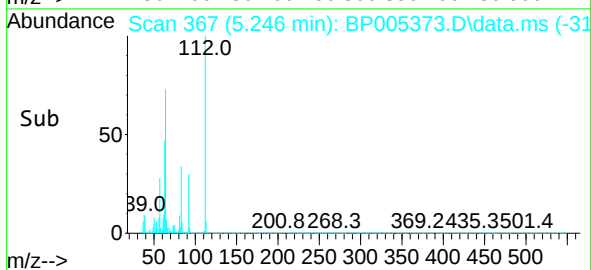
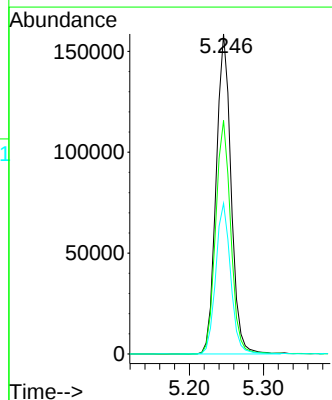
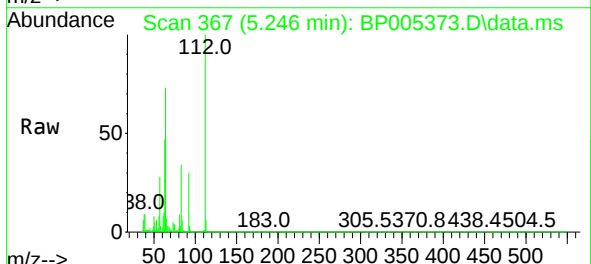
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-A

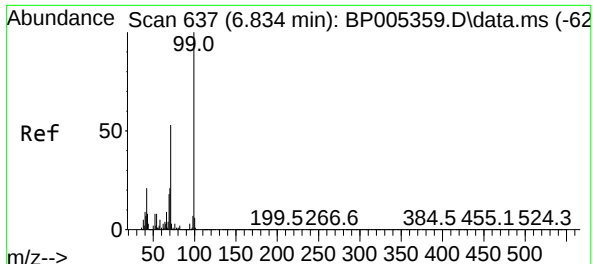
Tgt Ion:152 Resp: 31931
Ion Ratio Lower Upper
152 100
150 148.7 119.8 179.8
115 72.9 49.0 73.4



#5
2-Fluorophenol
Concen: 120.78 ng
RT: 5.246 min Scan# 367
Delta R.T. 0.000 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

Tgt Ion:112 Resp: 222010
Ion Ratio Lower Upper
112 100
64 72.9 33.6 50.4#
63 47.1 18.6 27.8#

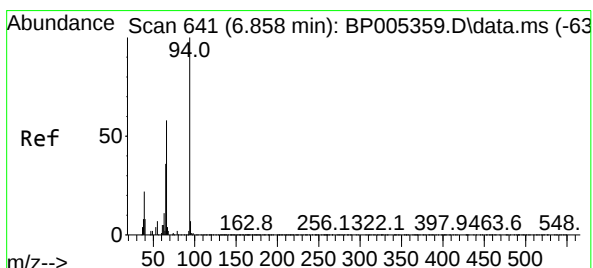
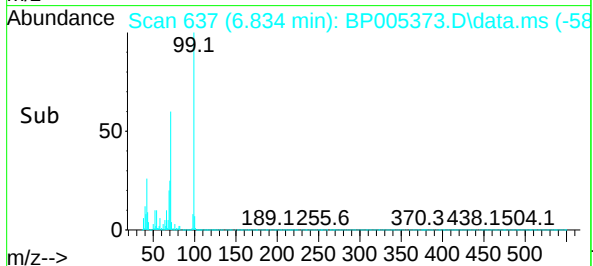
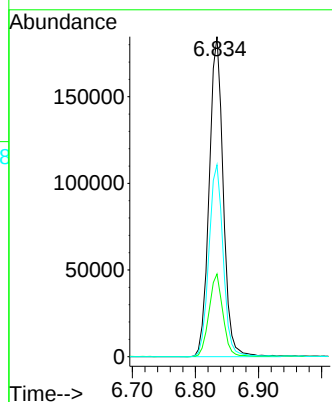
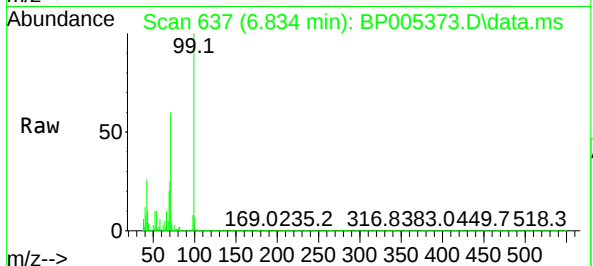




#7
Phenol-d6
Concen: 112.76 ng
RT: 6.834 min Scan# 637
Delta R.T. 0.000 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

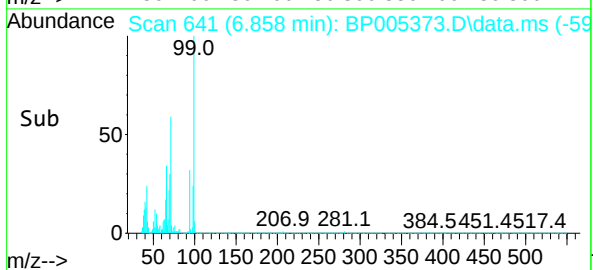
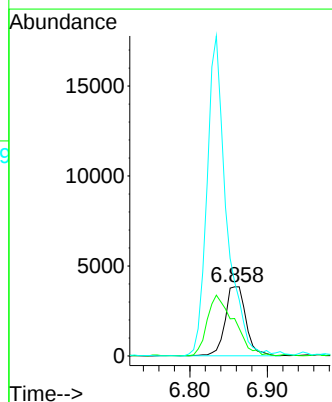
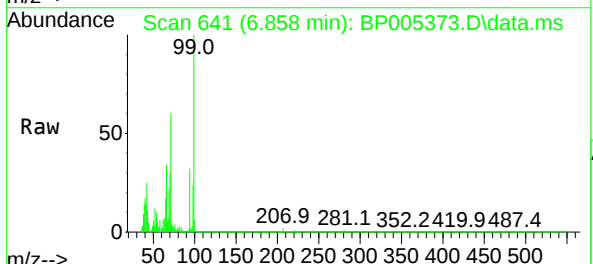
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-A

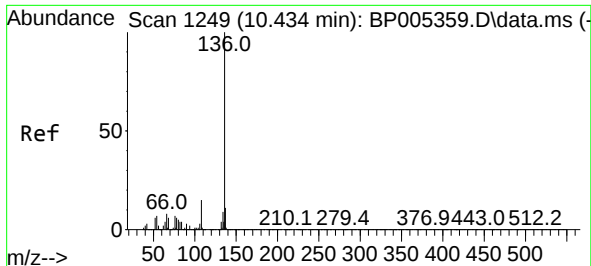
Tgt Ion: 99 Resp: 285576
Ion Ratio Lower Upper
99 100
42 25.8 12.9 19.3#
71 59.9 26.7 40.1#



#10
Phenol
Concen: 2.82 ng
RT: 6.858 min Scan# 641
Delta R.T. 0.000 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

Tgt Ion: 94 Resp: 7129
Ion Ratio Lower Upper
94 100
65 54.1 8.0 48.0#
66 107.2 17.3 57.3#

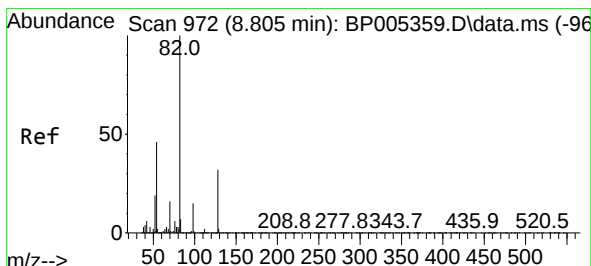
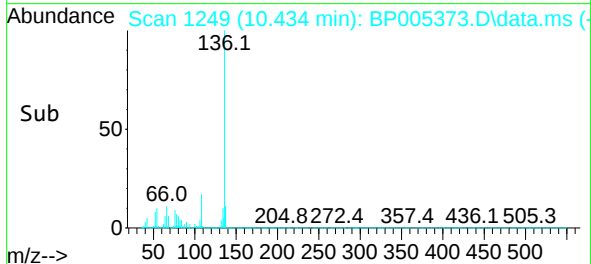
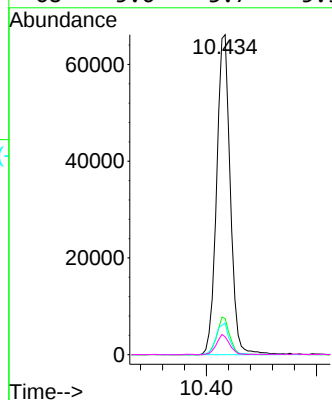
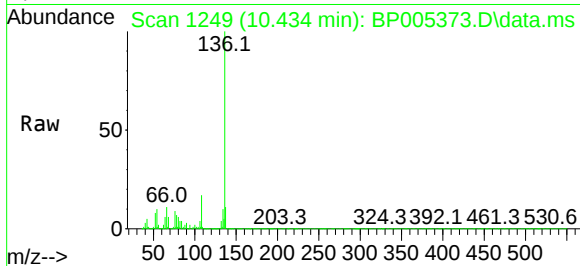




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.434 min Scan# 1249
Delta R.T. -0.000 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

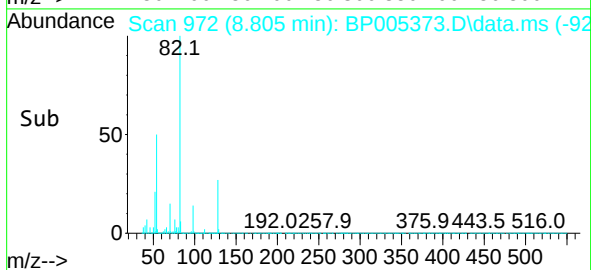
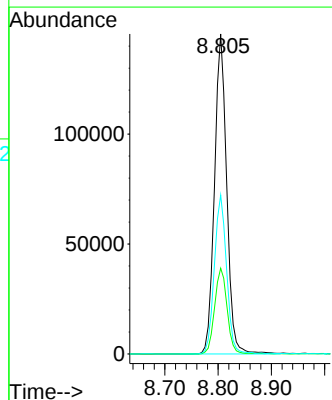
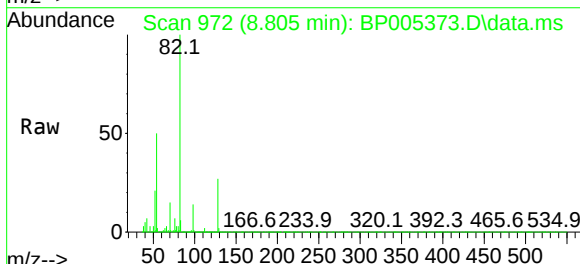
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-A

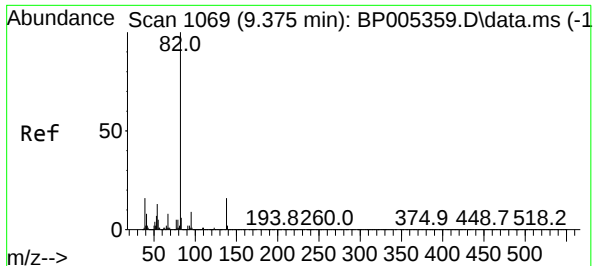
Tgt Ion:	136	Resp:	113984
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.9	5.0	7.4#
68	5.6	3.7	5.5#



#23
Nitrobenzene-d5
Concen: 88.42 ng
RT: 8.805 min Scan# 972
Delta R.T. -0.000 min
Lab File: BP005373.D
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Tgt Ion:	82	Resp:	231718
Ion	Ratio	Lower	Upper
82	100		
128	26.8	30.5	45.7#
54	49.6	33.9	50.9

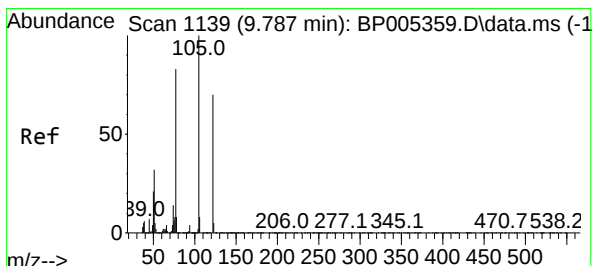
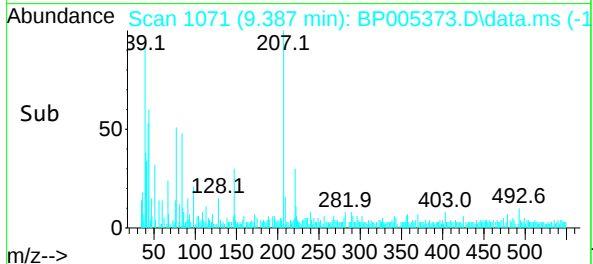
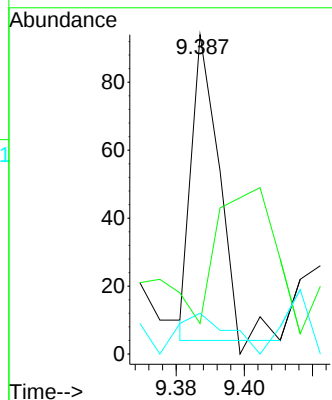
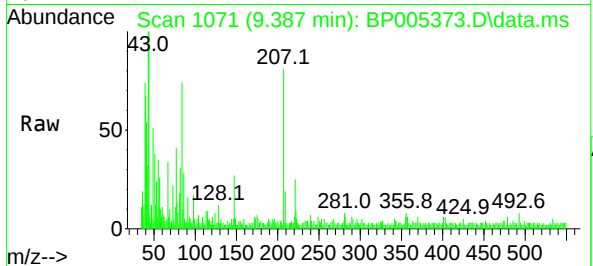




#25
Isophorone
Concen: 2.96 ng
RT: 9.387 min Scan# 1071
Delta R.T. 0.012 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

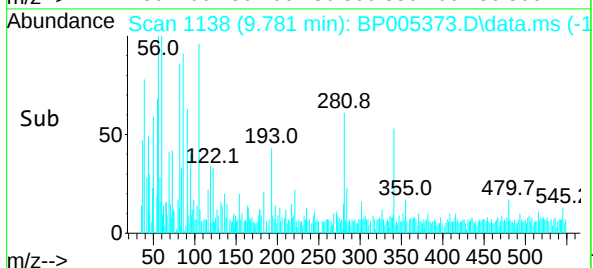
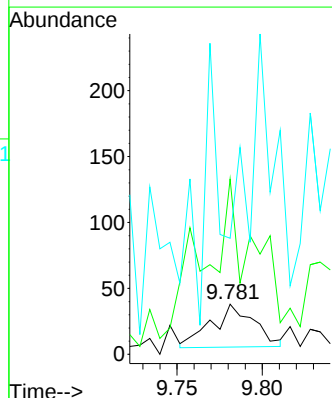
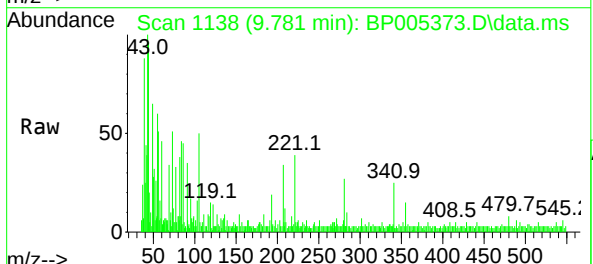
Instrument :
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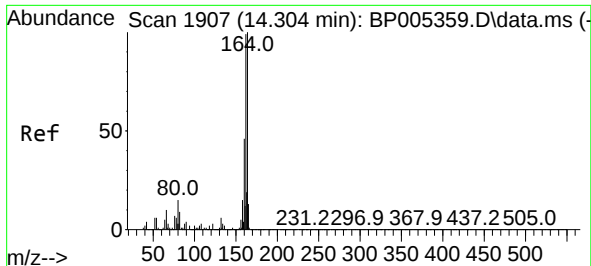
Tgt Ion: 82	Resp: 50
Ion Ratio	Lower Upper
82 100	
95 9.6	7.5 11.3
138 12.8	14.6 22.0#



#32
Benzoic acid
Concen: 7.78 ng
RT: 9.781 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

Tgt Ion:122	Resp:	56	
Ion	Ratio	Lower	Upper
122	100		
105	350.0	105.1	145.1#
77	231.6	69.6	109.6#

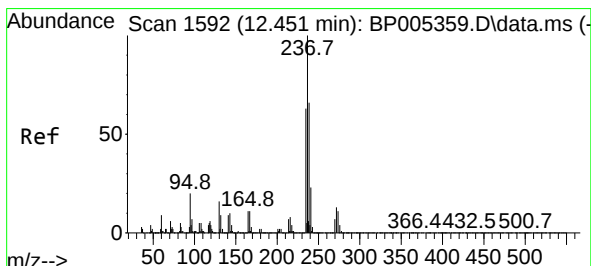
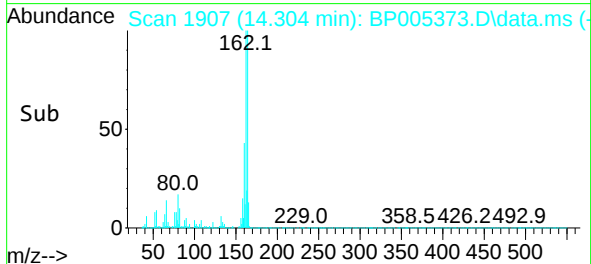
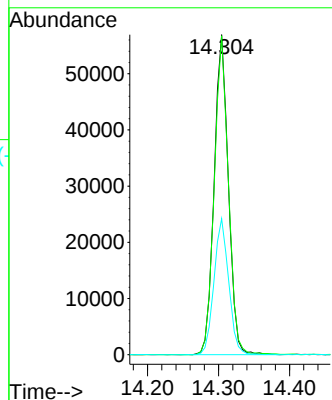
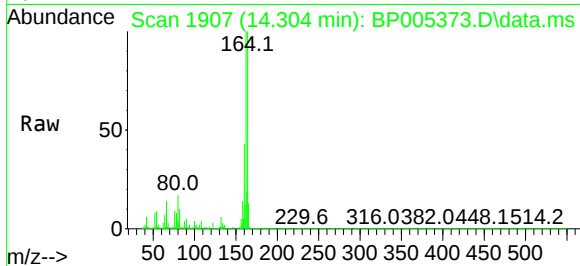




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.304 min Scan# 1907
Delta R.T. 0.000 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

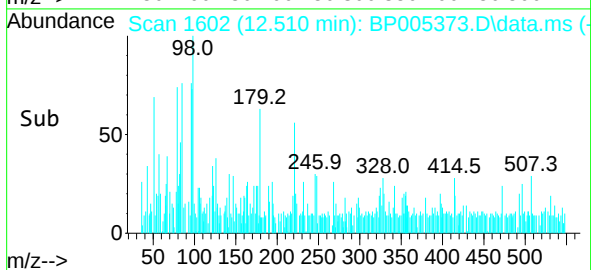
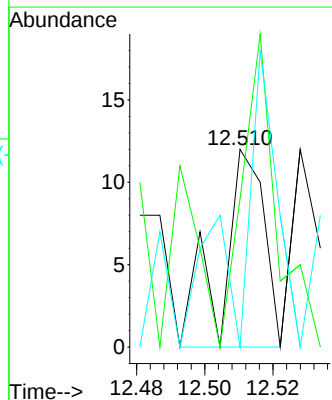
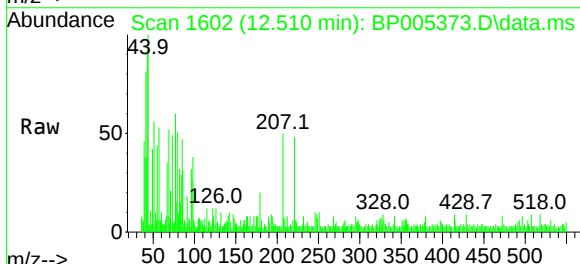
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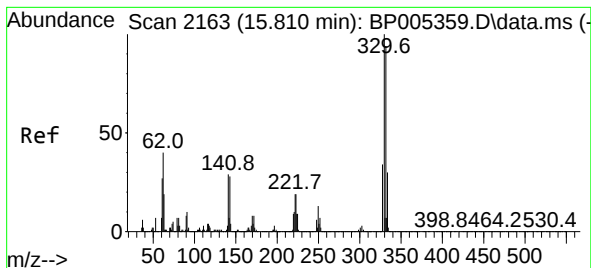
Tgt Ion:164	Resp:	79028
Ion Ratio	Lower	Upper
164	100	
162	99.6	73.5 110.3
160	42.5	40.6 61.0



#41
Hexachlorocyclopentadiene
Concen: 6.97 ng
RT: 12.510 min Scan# 1602
Delta R.T. 0.059 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

Tgt Ion:237	Resp:	10
Ion Ratio	Lower	Upper
237	100	
235	75.0	40.9 80.9
272	0.0	0.0 34.6

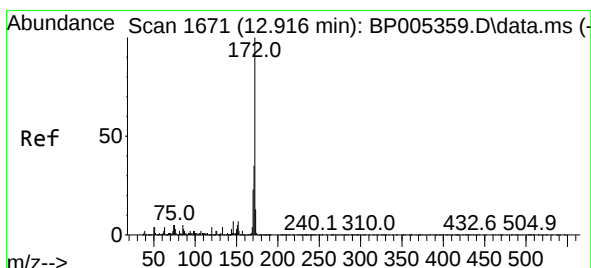
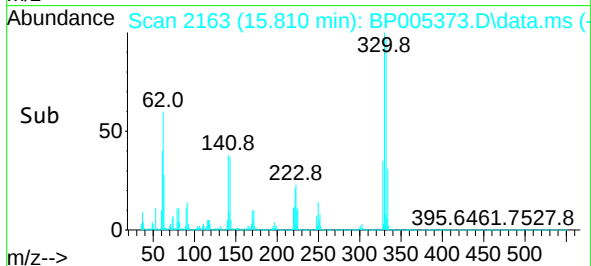
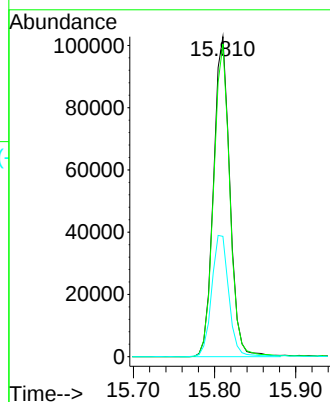
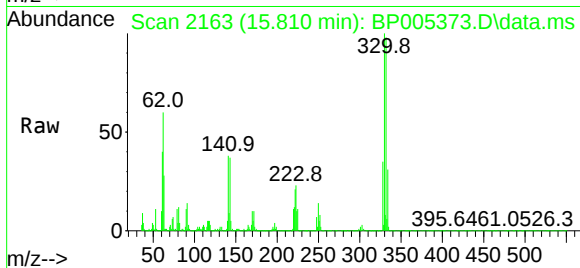




#42
2,4,6-Tribromophenol
Concen: 94.91 ng
RT: 15.810 min Scan# 2163
Delta R.T. 0.000 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

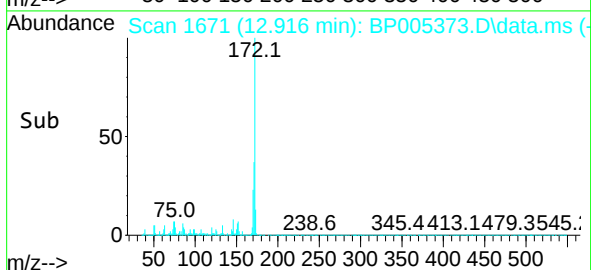
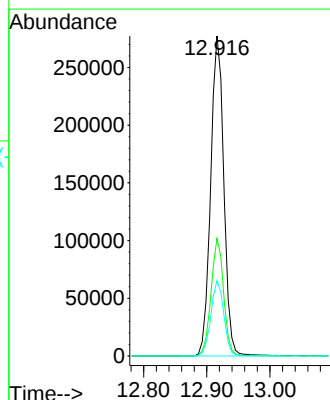
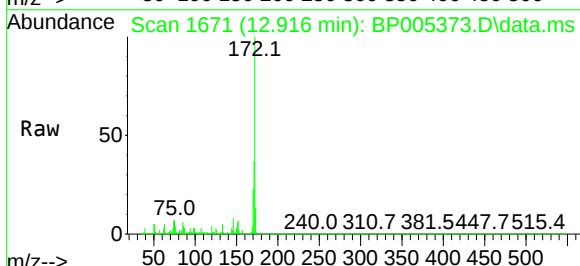
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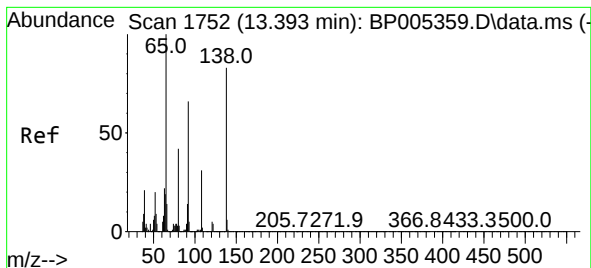
Tgt Ion:330 Resp: 143478
Ion Ratio Lower Upper
330 100
332 97.7 76.3 114.5
141 39.8 22.8 34.2#



#45
2-Fluorobiphenyl
Concen: 65.68 ng
RT: 12.916 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

Tgt Ion:172 Resp: 401007
Ion Ratio Lower Upper
172 100
171 36.7 28.1 42.1
170 23.5 19.6 29.4

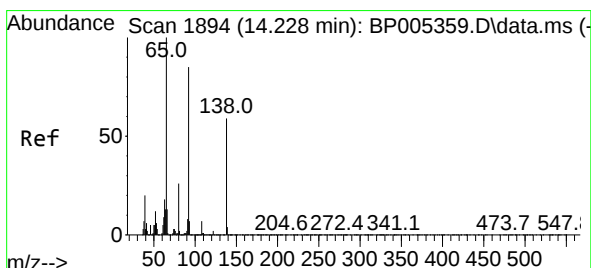
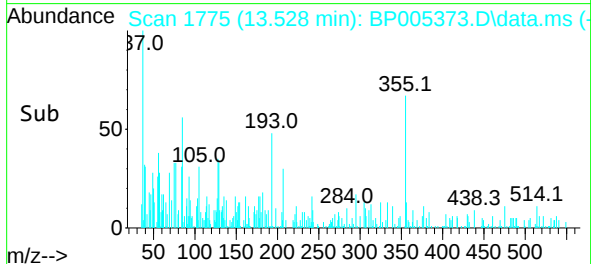
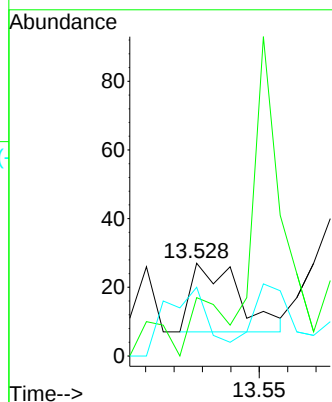
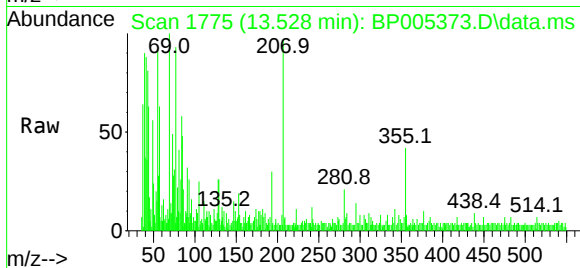




#48
2-Nitroaniline
Concen: 5.46 ng
RT: 13.528 min Scan# 1775
Delta R.T. 0.135 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

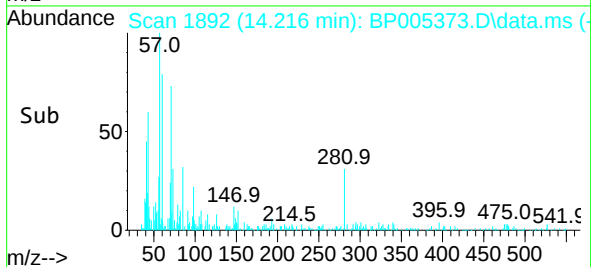
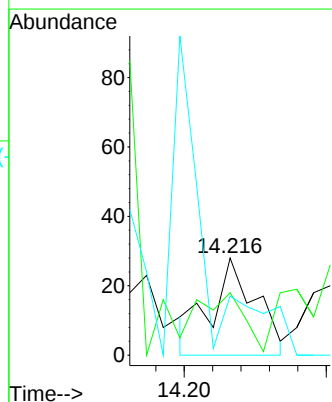
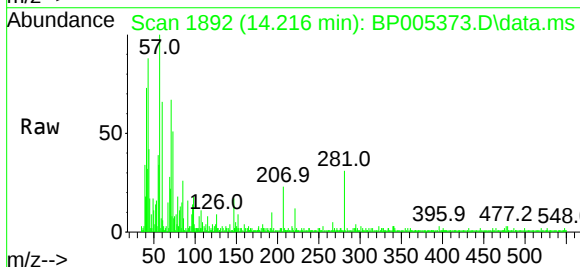
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FK-GF-02-070-A

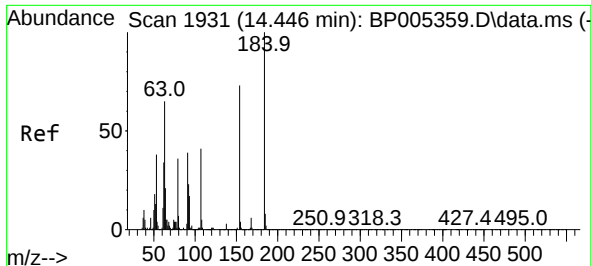
Tgt Ion: 65 Resp: 24
Ion Ratio Lower Upper
65 100
92 63.0 48.8 73.2
138 74.1 69.5 104.3



#53
3-Nitroaniline
Concen: 2.68 ng
RT: 14.216 min Scan# 1892
Delta R.T. -0.012 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

Tgt Ion: 138 Resp: 31
Ion Ratio Lower Upper
138 100
108 64.3 10.2 15.4#
92 89.3 108.1 162.1#

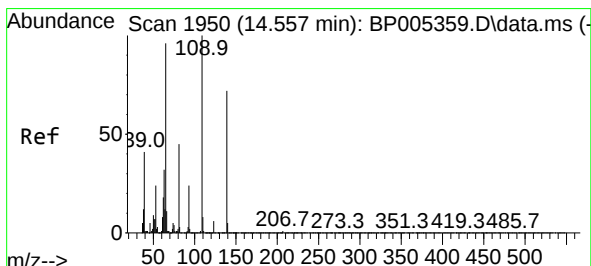
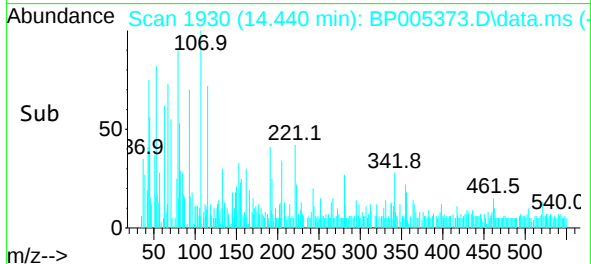
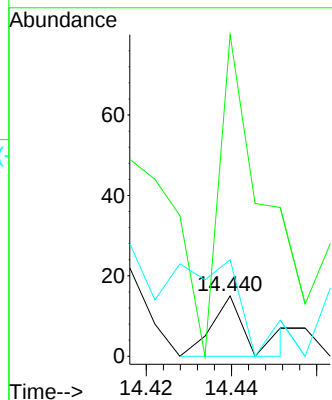
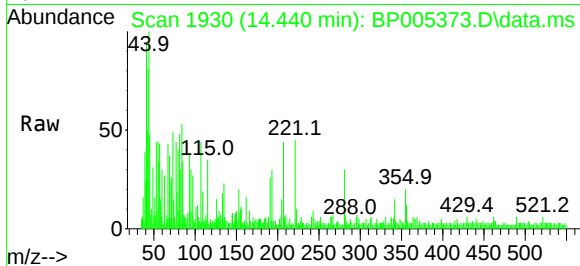




#54
2,4-Dinitrophenol
Concen: 7.53 ng
RT: 14.440 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

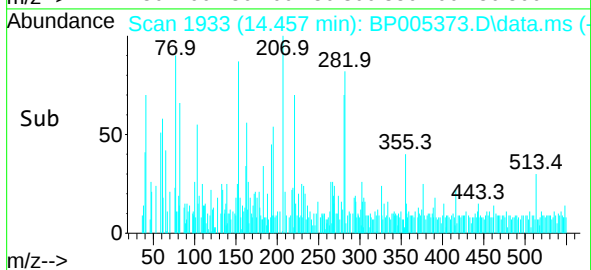
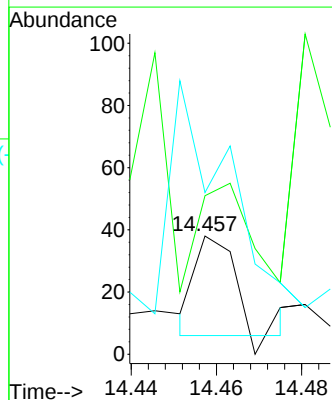
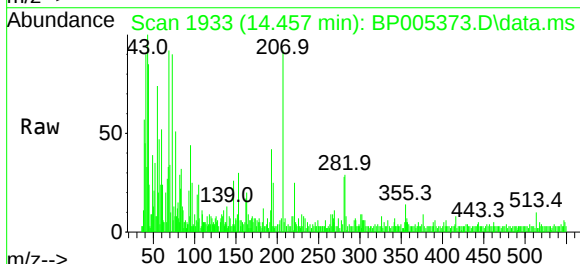
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-A

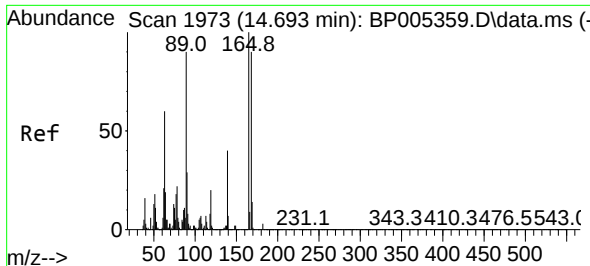
Tgt Ion:184 Resp: 10
Ion Ratio Lower Upper
184 100
63 533.3 51.2 76.8#
154 160.0 55.8 83.8#



#56
4-Nitrophenol
Concen: 5.32 ng
RT: 14.457 min Scan# 1933
Delta R.T. -0.100 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

Tgt Ion:139 Resp: 22
Ion Ratio Lower Upper
139 100
109 134.2 122.8 162.8
65 136.8 110.0 150.0

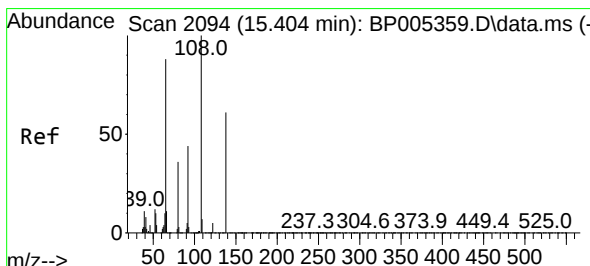
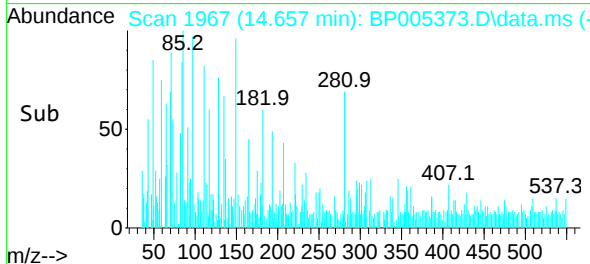
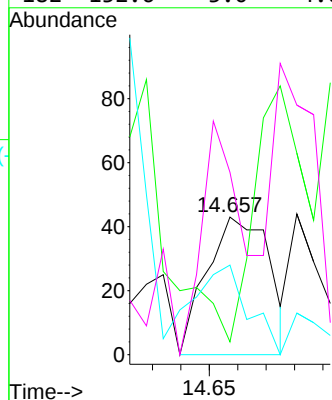
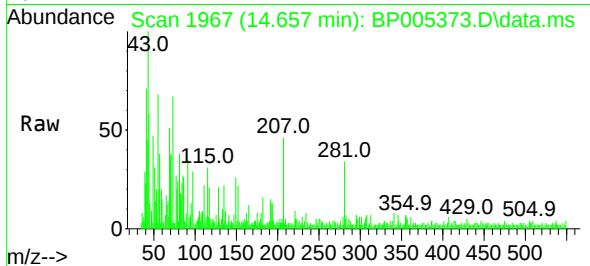




#57
2,4-Dinitrotoluene
Concen: 3.14 ng
RT: 14.657 min Scan# 1967
Delta R.T. -0.036 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

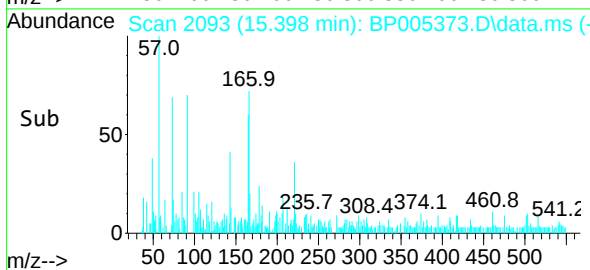
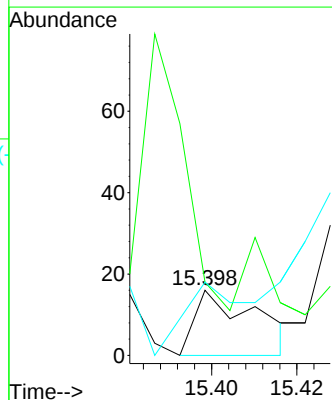
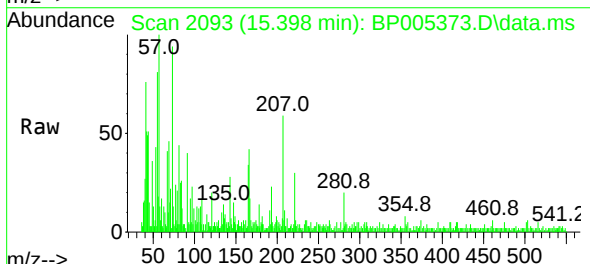
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-A

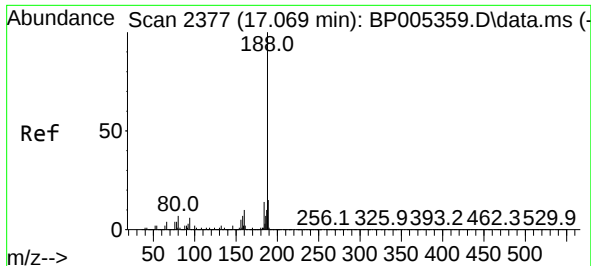
Tgt Ion:165 Resp: 66
Ion Ratio Lower Upper
165 100
63 9.3 56.7 85.1#
89 65.1 85.8 128.6#
182 132.6 3.0 4.6#



#62
4-Nitroaniline
Concen: 3.83 ng
RT: 15.398 min Scan# 2093
Delta R.T. -0.006 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

Tgt Ion:138 Resp: 16
Ion Ratio Lower Upper
138 100
92 112.5 50.9 90.9#
108 112.5 154.7 194.7#

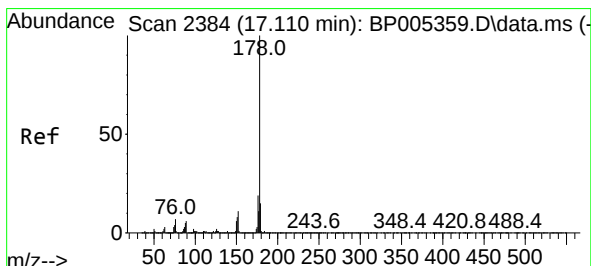
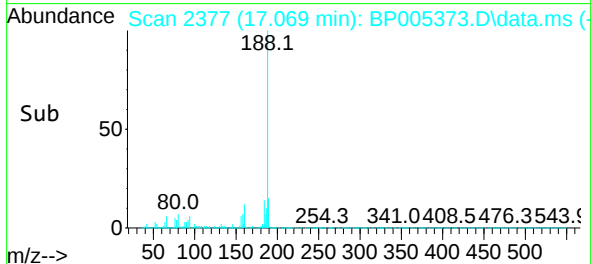
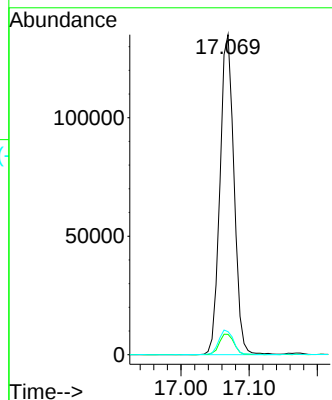
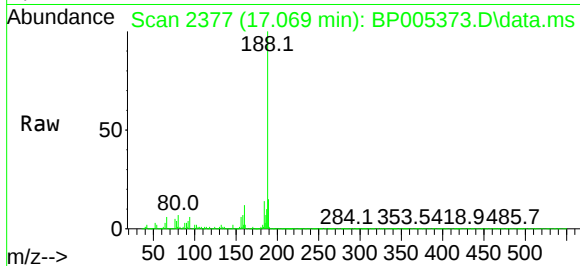




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.069 min Scan# 2377
Delta R.T. -0.000 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

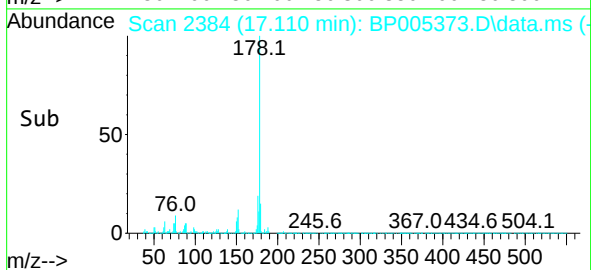
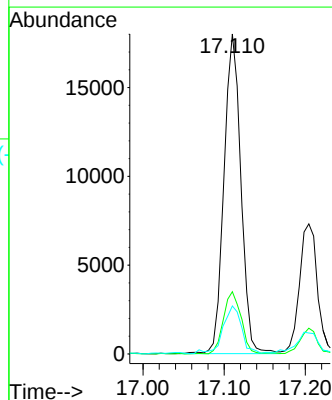
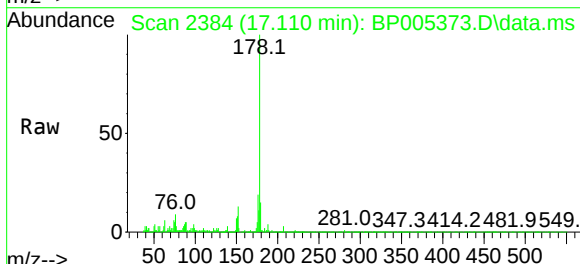
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-A

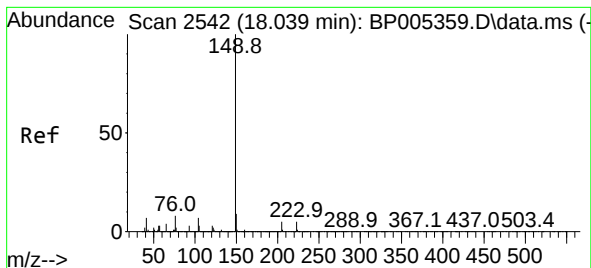
Tgt Ion:188 Resp: 193733
Ion Ratio Lower Upper
188 100
94 6.4 5.0 7.6
80 7.2 5.9 8.9



#71
Phenanthrene
Concen: 2.54 ng
RT: 17.110 min Scan# 2384
Delta R.T. 0.000 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

Tgt Ion:178 Resp: 26175
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.2
179 15.0 12.3 18.5

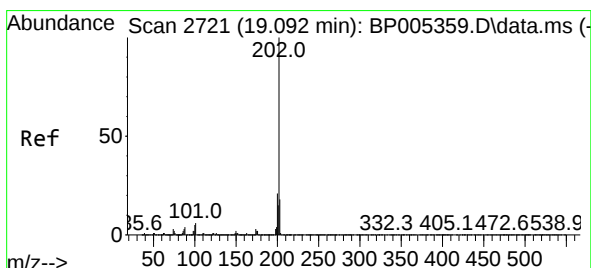
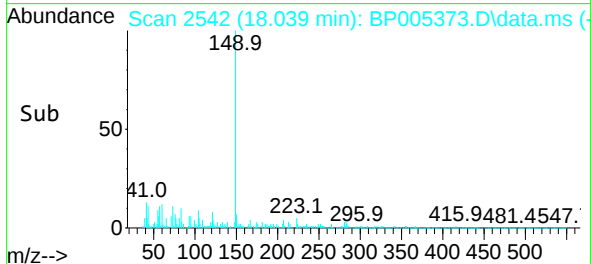
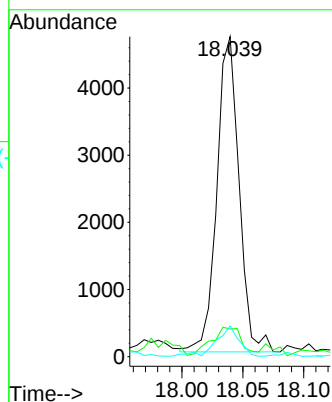
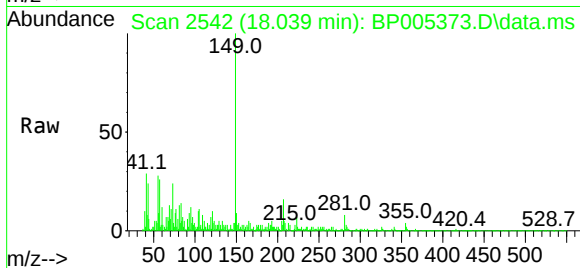




#74
Di-n-butylphthalate
Concen: 4.51 ng
RT: 18.039 min Scan# 2542
Delta R.T. 0.000 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

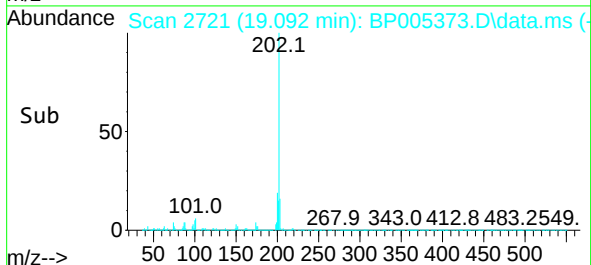
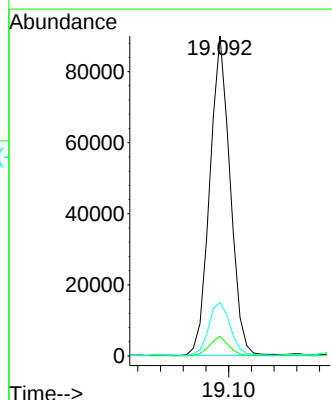
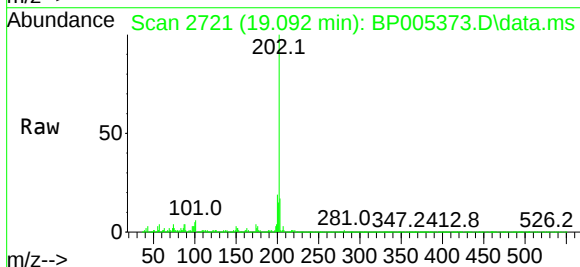
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-A

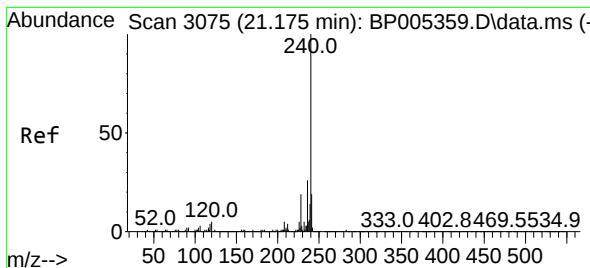
Tgt Ion:149	Resp:	5959
Ion Ratio	Lower	Upper
149	100	
150	8.6	7.6 11.4
104	9.6	8.9 13.3



#75
Fluoranthene
Concen: 7.87 ng
RT: 19.092 min Scan# 2721
Delta R.T. 0.000 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

Tgt Ion:202	Resp:	111570
Ion Ratio	Lower	Upper
202	100	
101	6.2	0.0 26.1
203	16.7	0.0 37.2





#76

Chrysene-d12

Concen: 20.00 ng

RT: 21.175 min Scan# 3075

Delta R.T. -0.000 min

Lab File: BP005373.D

Acq: 22 Apr 2021 13:43

Tgt Ion:240 Resp: 252461

Ion Ratio Lower Upper

240 100

120 4.7 4.2 6.2

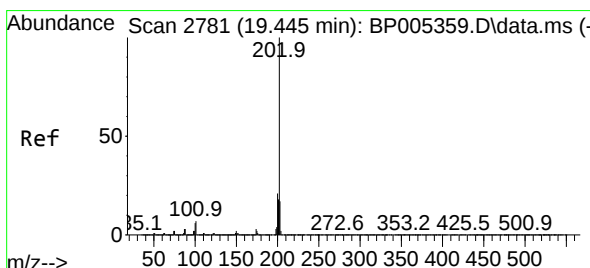
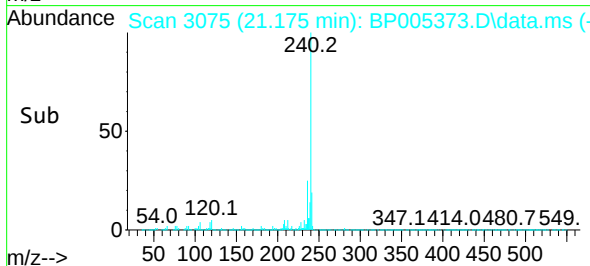
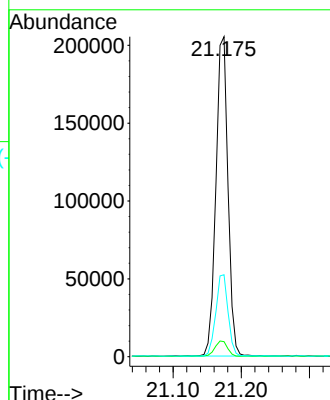
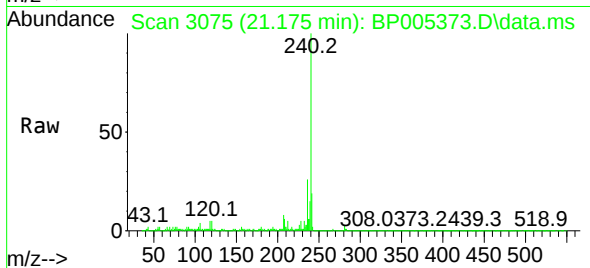
236 25.6 20.2 30.2

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-070-A



#78

Pyrene

Concen: 7.02 ng

RT: 19.445 min Scan# 2781

Delta R.T. 0.000 min

Lab File: BP005373.D

Acq: 22 Apr 2021 13:43

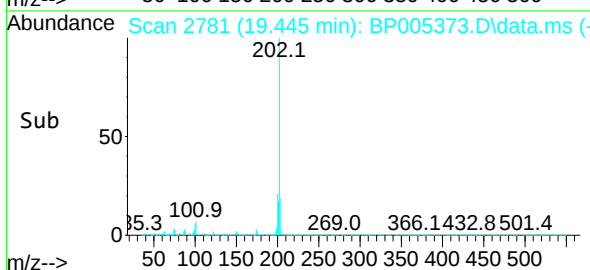
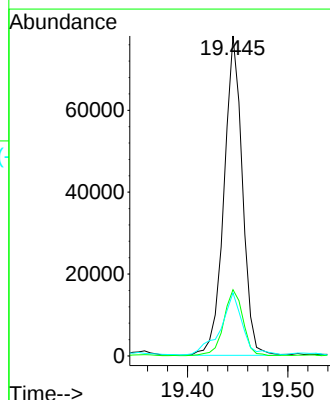
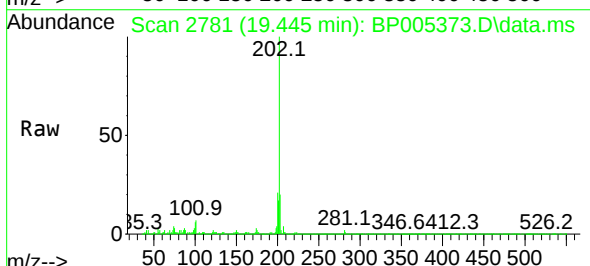
Tgt Ion:202 Resp: 99356

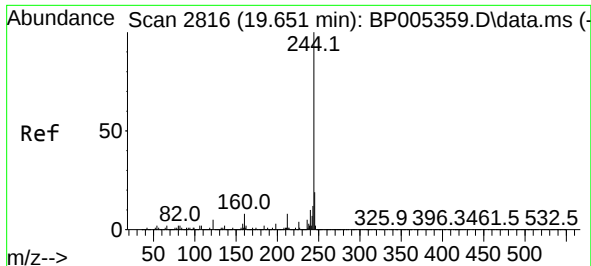
Ion Ratio Lower Upper

202 100

200 20.7 16.9 25.3

203 19.7 13.8 20.6

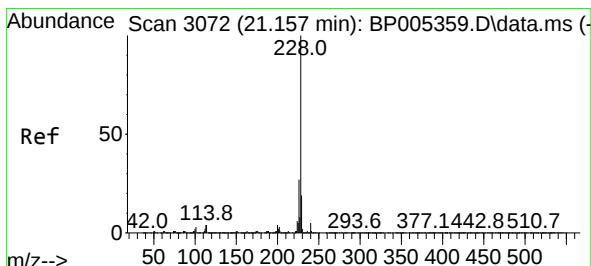
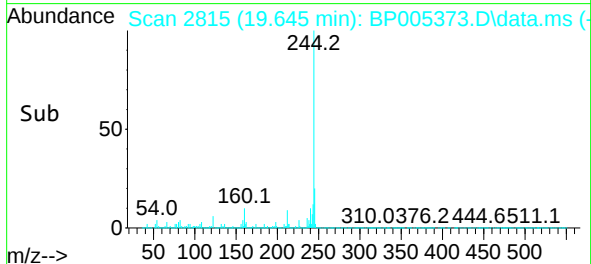
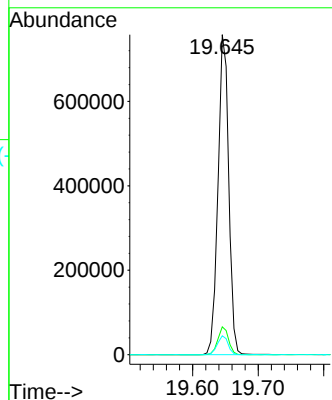
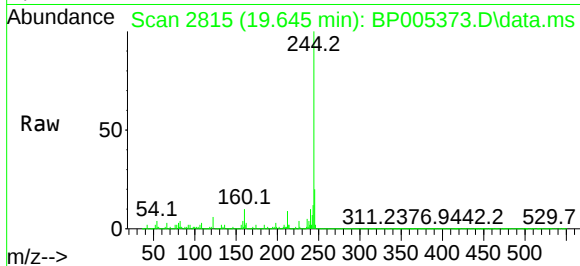




#79
Terphenyl-d14
Concen: 62.83 ng
RT: 19.645 min Scan# 2815
Delta R.T. -0.006 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

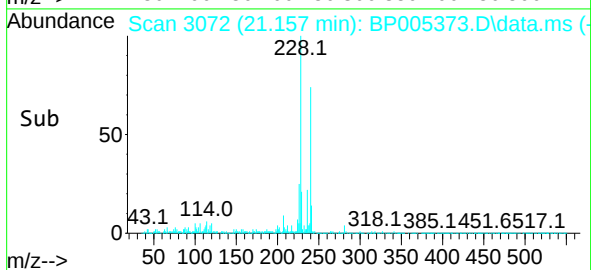
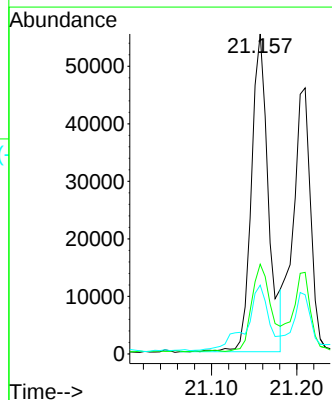
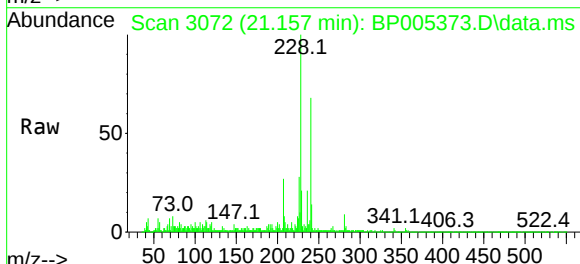
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-A

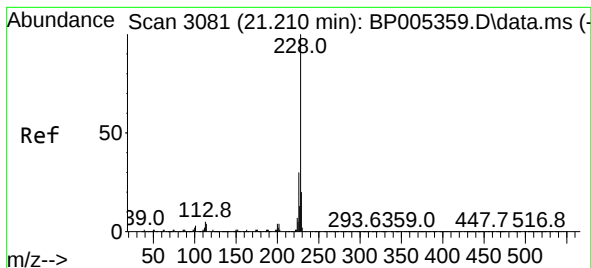
Tgt Ion:244 Resp: 856023
Ion Ratio Lower Upper
244 100
212 8.7 5.8 8.6#
122 5.9 5.2 7.8



#81
Benzo(a)anthracene
Concen: 4.71 ng
RT: 21.157 min Scan# 3072
Delta R.T. 0.000 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

Tgt Ion:228 Resp: 76451
Ion Ratio Lower Upper
228 100
226 28.1 21.2 31.8
229 21.5 15.6 23.4





#83

Chrysene

Concen: 4.04 ng

RT: 21.210 min Scan# 3081

Delta R.T. 0.000 min

Lab File: BP005373.D

Acq: 22 Apr 2021 13:43

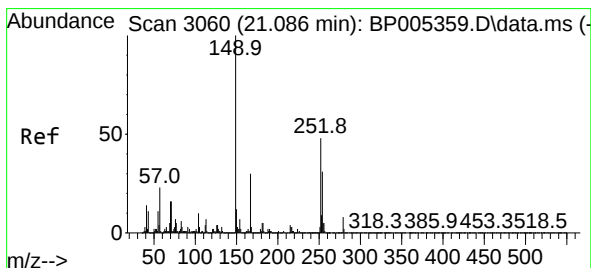
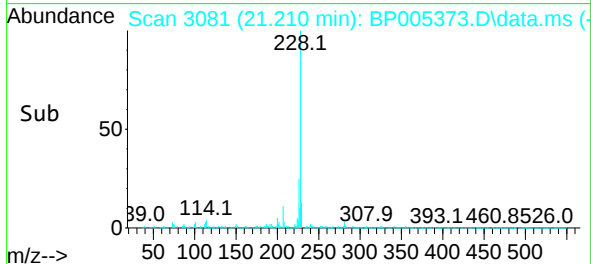
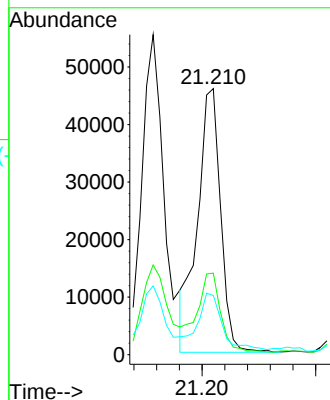
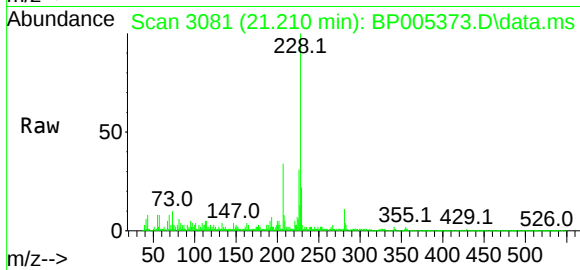
Tgt Ion:228 Resp: 65423

Ion Ratio Lower Upper

228 100

226 30.7 24.8 37.2

229 22.2 15.4 23.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.68 ng

RT: 21.080 min Scan# 3059

Delta R.T. -0.006 min

Lab File: BP005373.D

Acq: 22 Apr 2021 13:43

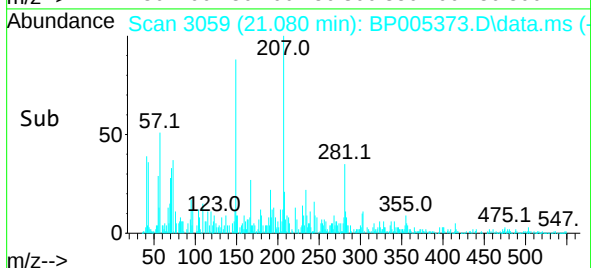
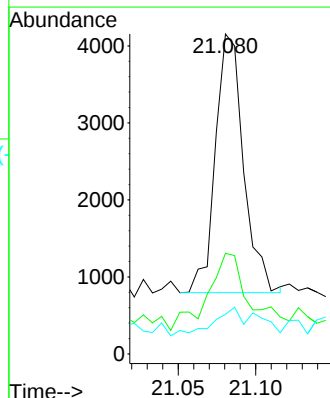
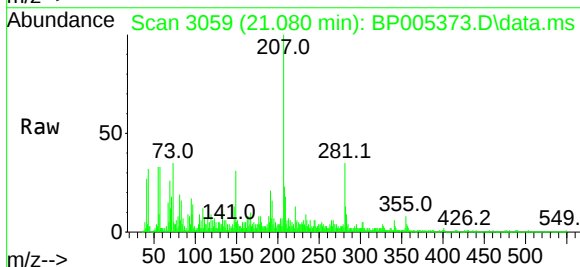
Tgt Ion:149 Resp: 4242

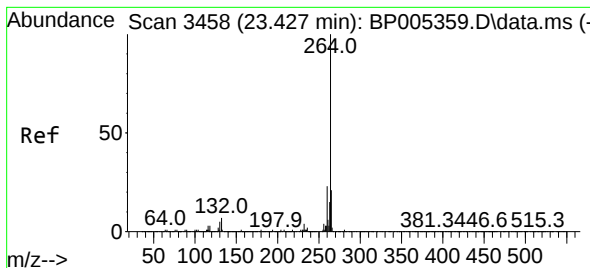
Ion Ratio Lower Upper

149 100

167 31.5 23.8 35.8

279 12.4 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: BP005373.D

Acq: 22 Apr 2021 13:43

Tgt Ion:264 Resp: 261575

Ion Ratio Lower Upper

264 100

260 24.7 20.6 30.8

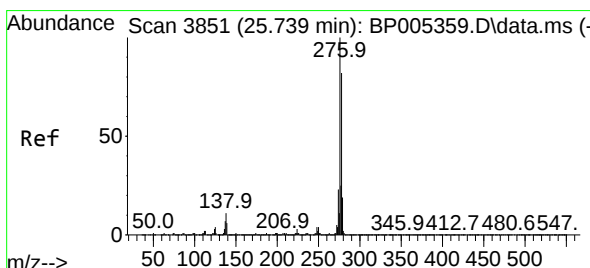
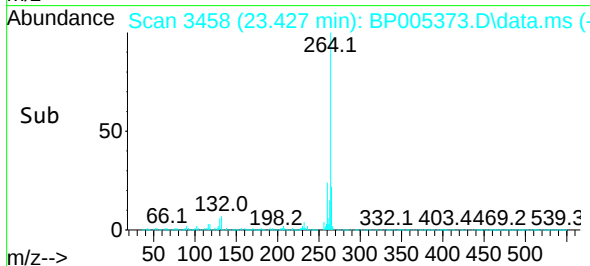
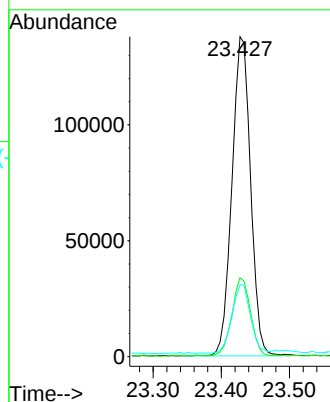
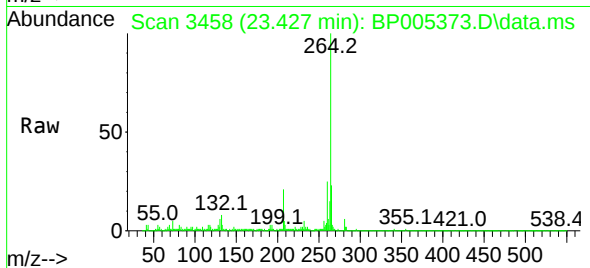
265 22.5 19.0 28.6

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-070-A



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.70 ng

RT: 25.727 min Scan# 3849

Delta R.T. -0.012 min

Lab File: BP005373.D

Acq: 22 Apr 2021 13:43

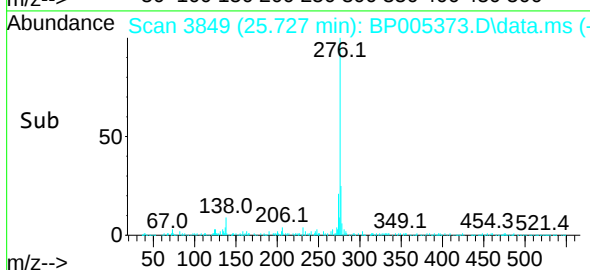
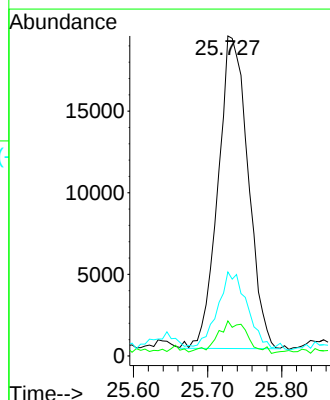
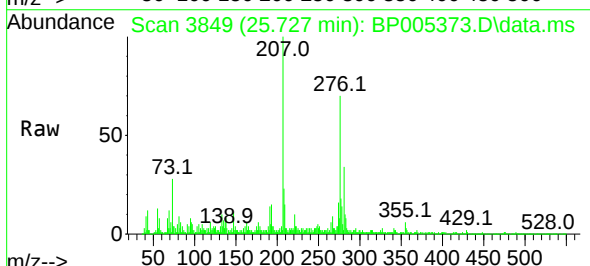
Tgt Ion:276 Resp: 53952

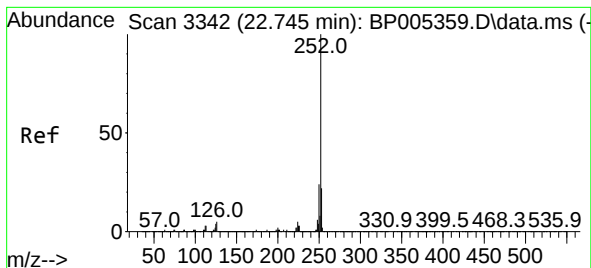
Ion Ratio Lower Upper

276 100

138 9.5 8.4 12.6

277 22.4 20.6 31.0





#88

Benzo(b)fluoranthene

Concen: 6.16 ng

RT: 22.751 min Scan# 3343

Delta R.T. 0.006 min

Lab File: BP005373.D

Acq: 22 Apr 2021 13:43

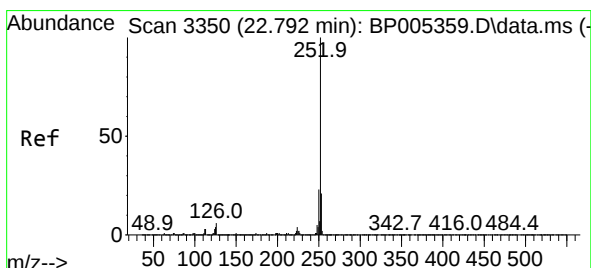
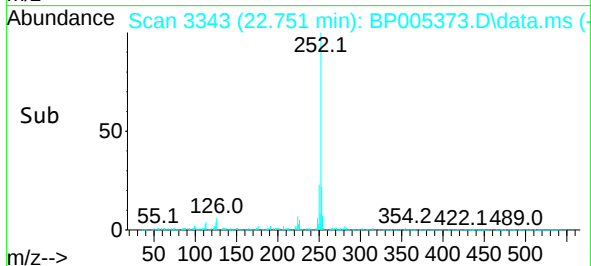
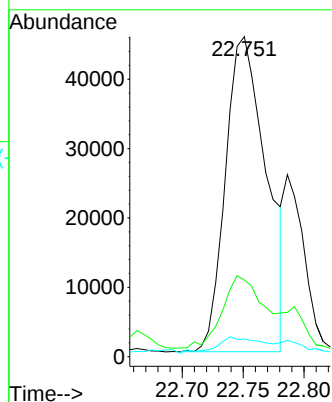
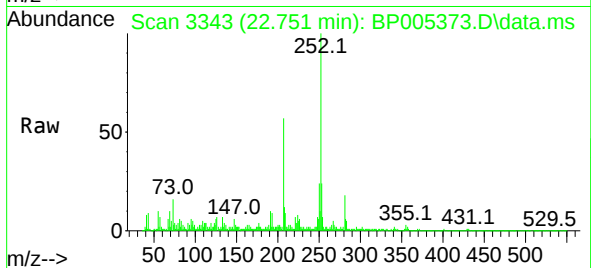
Instrument :

BNA_P

ClientSampleId :

FK-GF-02-070-A

Tgt Ion:252 Resp: 106005
 Ion Ratio Lower Upper
 252 100
 253 24.0 18.2 27.2
 125 5.5 3.4 5.0#



#89

Benzo(k)fluoranthene

Concen: 6.27 ng

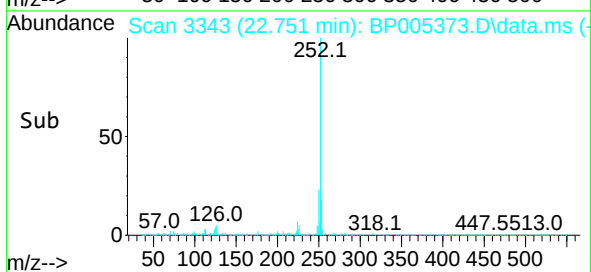
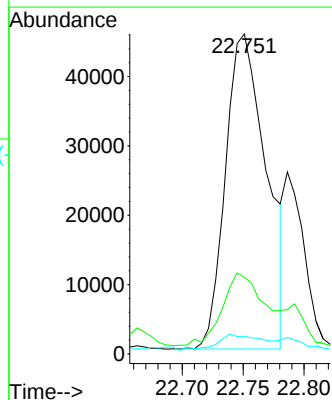
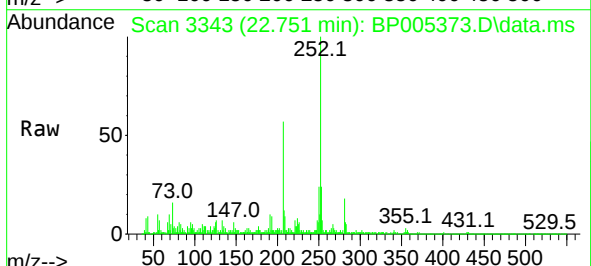
RT: 22.751 min Scan# 3343

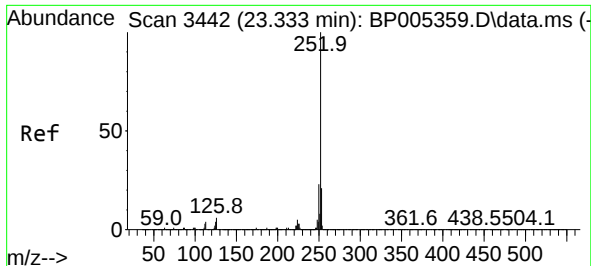
Delta R.T. -0.041 min

Lab File: BP005373.D

Acq: 22 Apr 2021 13:43

Tgt Ion:252 Resp: 106005
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.2 25.8
 125 5.5 3.8 5.6

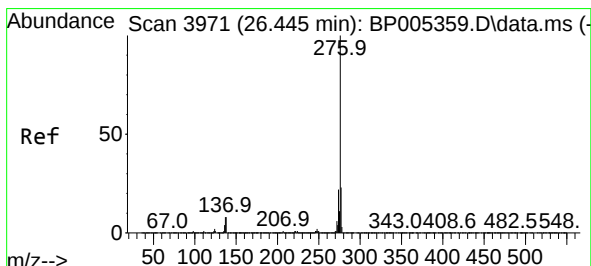
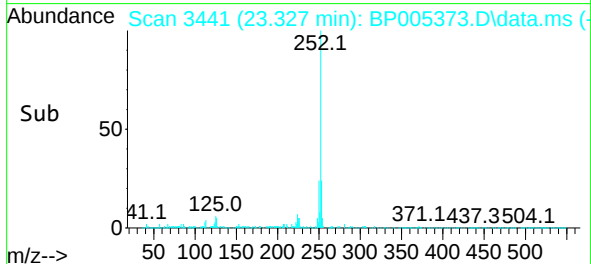
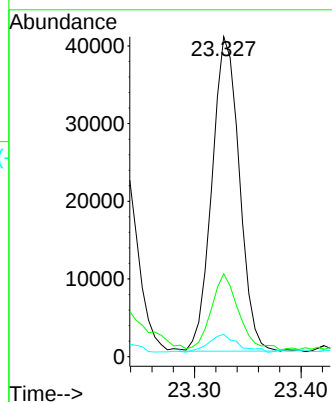
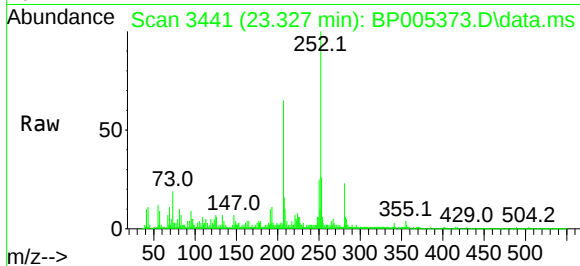




#90
Benzo(a)pyrene
Concen: 4.59 ng
RT: 23.327 min Scan# 3441
Delta R.T. -0.006 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-A

Tgt Ion:252 Resp: 72103
Ion Ratio Lower Upper
252 100
253 25.9 17.1 25.7#
125 7.0 3.8 5.6#



#92
Benzo(g,h,i)perylene
Concen: 3.10 ng
RT: 26.445 min Scan# 3971
Delta R.T. 0.000 min
Lab File: BP005373.D
Acq: 22 Apr 2021 13:43

Tgt Ion:276 Resp: 50306
Ion Ratio Lower Upper
276 100
277 23.5 19.8 29.8
138 8.3 7.7 11.5

