

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP042221\
 Data File : BP005372.D
 Acq On : 22 Apr 2021 13:09
 Operator : CG/JU
 Sample : M2023-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Apr 22 14:59:18 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)

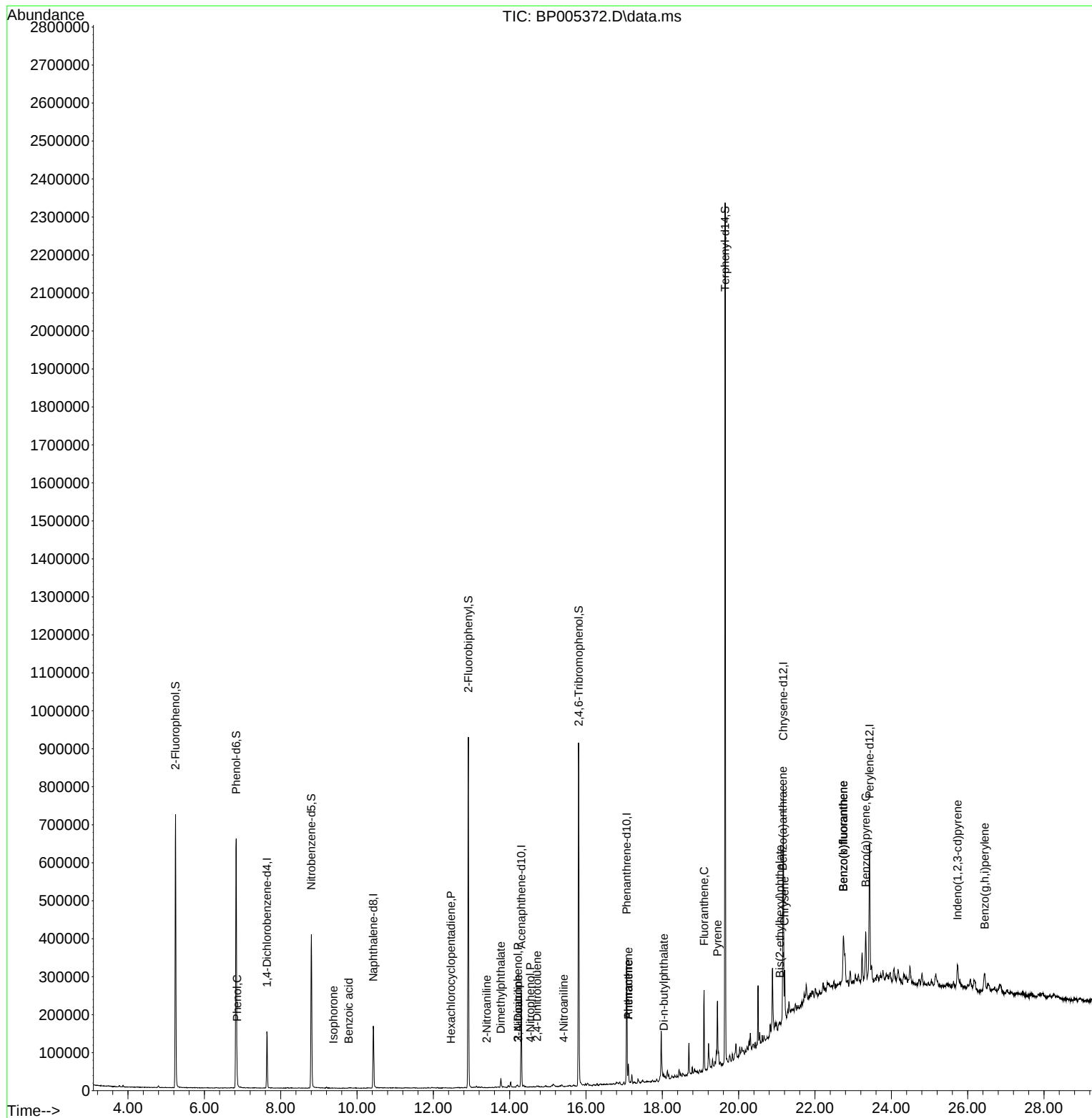
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.640	152	30509	20.00	ng	0.00
21) Naphthalene-d8	10.428	136	104591	20.00	ng	# 0.00
39) Acenaphthene-d10	14.304	164	72286	20.00	ng	0.00
64) Phenanthrene-d10	17.069	188	179761	20.00	ng	0.00
76) Chrysene-d12	21.168	240	241481	20.00	ng	0.00
86) Perylene-d12	23.427	264	258764	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	216239	123.12	ng	0.00
7) Phenol-d6	6.834	99	282767	116.85	ng	0.00
23) Nitrobenzene-d5	8.804	82	224794	93.48	ng	0.00
42) 2,4,6-Tribromophenol	15.810	330	141729	102.50	ng	0.00
45) 2-Fluorobiphenyl	12.916	172	388837	69.63	ng	0.00
79) Terphenyl-d14	19.645	244	861239	66.09	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.857	94	6476	2.68	ng	# 21
25) Isophorone	9.381	82	58	2.96	ng	# 74
32) Benzoic acid	9.781	122	71	7.80	ng	# 35
41) Hexachlorocyclopentadiene	12.463	237	9	6.97	ng	92
48) 2-Nitroaniline	13.398	65	48	5.47	ng	# 68
50) Dimethylphthalate	13.769	163	11093	2.11	ng	# 97
53) 3-Nitroaniline	14.228	138	20	2.67	ng	# 8
54) 2,4-Dinitrophenol	14.216	184	19	7.54	ng	90
56) 4-Nitrophenol	14.539	139	24	5.32	ng	# 1
57) 2,4-Dinitrotoluene	14.716	165	103	3.16	ng	# 72
62) 4-Nitroaniline	15.416	138	21	3.84	ng	# 52
71) Phenanthrene	17.110	178	27440	2.86	ng	98
72) Anthracene	17.110	178	27440	2.94	ng	98
74) Di-n-butylphthalate	18.039	149	6835	4.64	ng	96
75) Fluoranthene	19.092	202	102119	7.76	ng	100
78) Pyrene	19.445	202	98431	7.27	ng	98
81) Benzo(a)anthracene	21.157	228	72246	4.65	ng	97
83) Chrysene	21.204	228	69022	4.46	ng	96
84) Bis(2-ethylhexyl)phtha...	21.080	149	3637	3.61	ng	96
87) Indeno(1,2,3-cd)pyrene	25.733	276	59834	3.03	ng	98
88) Benzo(b)fluoranthene	22.745	252	146487	8.60	ng	# 95
89) Benzo(k)fluoranthene	22.745	252	146487	8.76	ng	# 93
90) Benzo(a)pyrene	23.327	252	81756	5.26	ng	# 94
92) Benzo(g,h,i)perylene	26.445	276	60242	3.76	ng	96

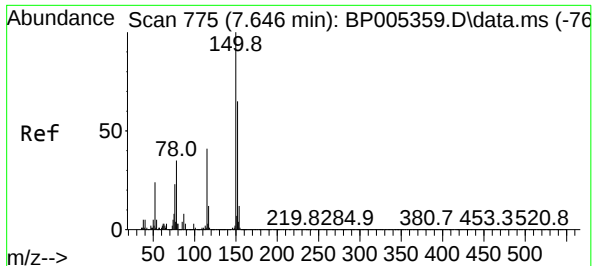
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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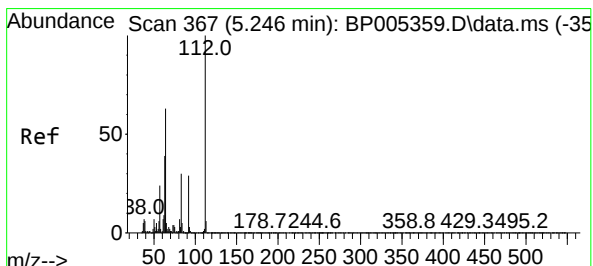
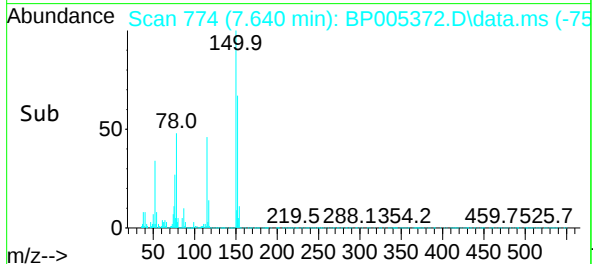
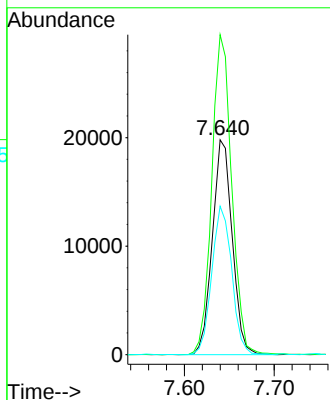
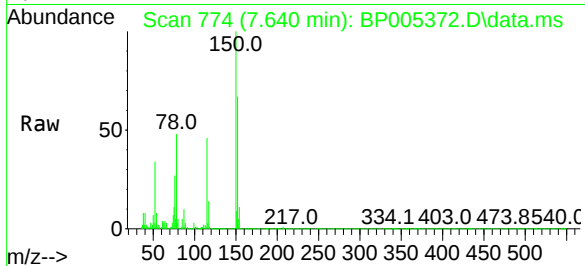




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.640 min Scan# 774
Delta R.T. -0.006 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

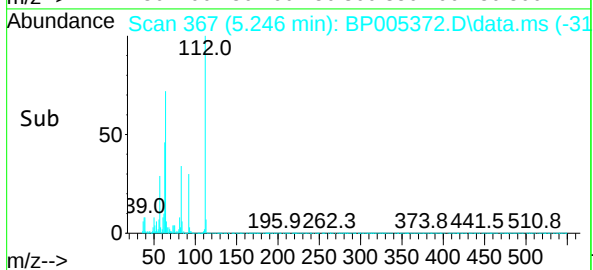
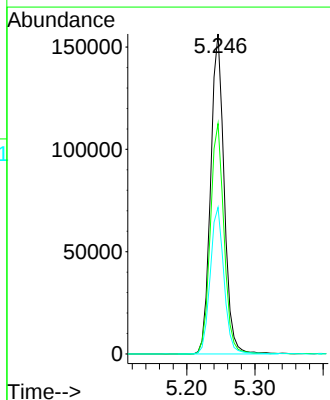
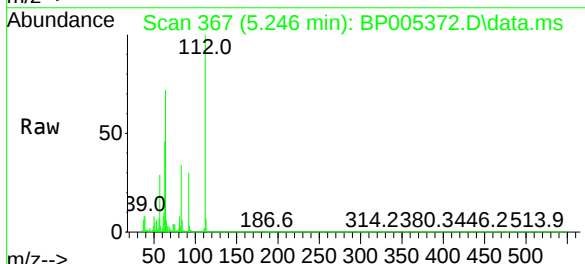
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-B

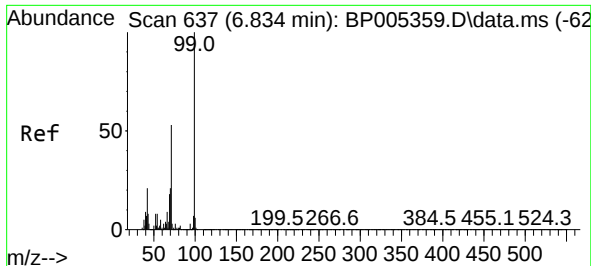
Tgt Ion:152 Resp: 30509
Ion Ratio Lower Upper
152 100
150 148.9 119.8 179.8
115 69.1 49.0 73.4



#5
2-Fluorophenol
Concen: 123.12 ng
RT: 5.246 min Scan# 367
Delta R.T. -0.000 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion:112 Resp: 216239
Ion Ratio Lower Upper
112 100
64 72.0 33.6 50.4#
63 45.8 18.6 27.8#

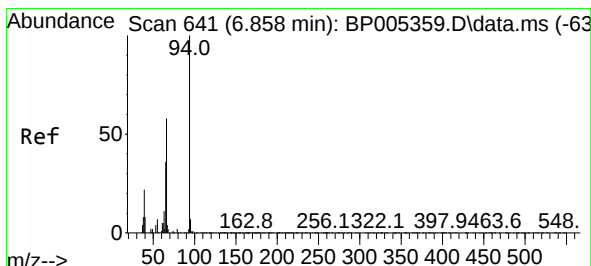
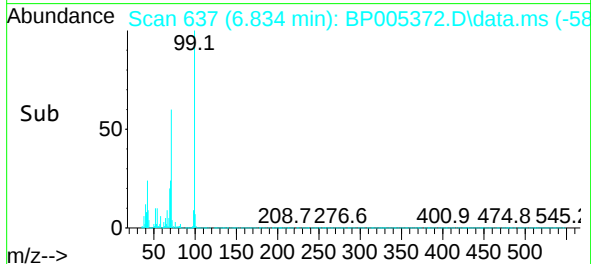
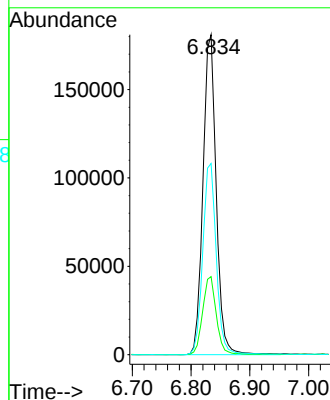
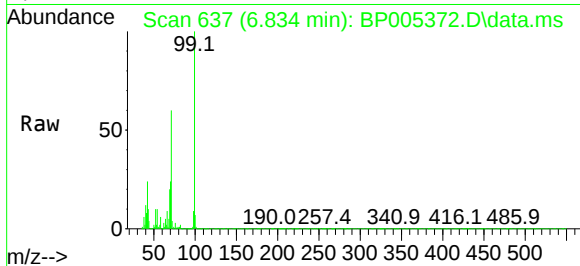




#7
Phenol-d6
Concen: 116.85 ng
RT: 6.834 min Scan# 637
Delta R.T. -0.000 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

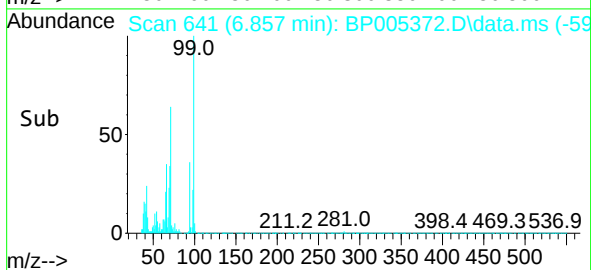
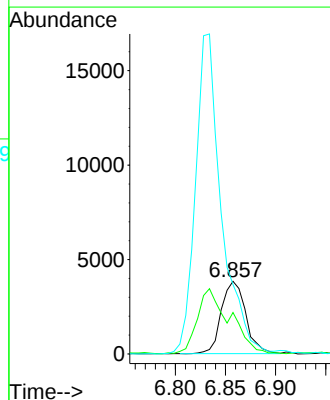
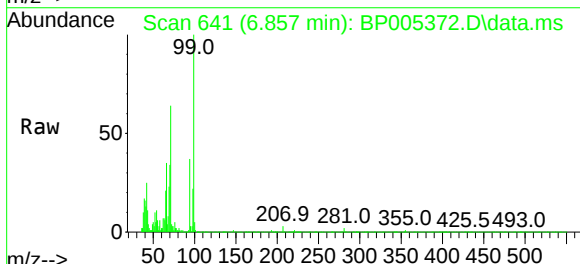
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-B

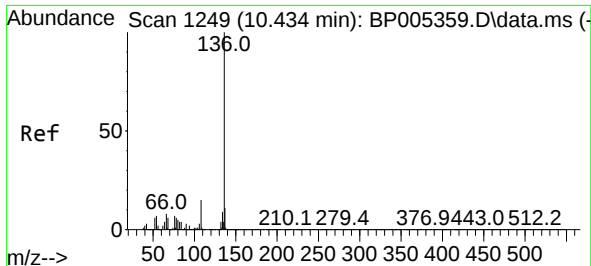
Tgt Ion: 99 Resp: 282767
Ion Ratio Lower Upper
99 100
42 24.4 12.9 19.3#
71 59.8 26.7 40.1#



#10
Phenol
Concen: 2.68 ng
RT: 6.857 min Scan# 641
Delta R.T. -0.000 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion: 94 Resp: 6476
Ion Ratio Lower Upper
94 100
65 57.1 8.0 48.0#
66 95.7 17.3 57.3#

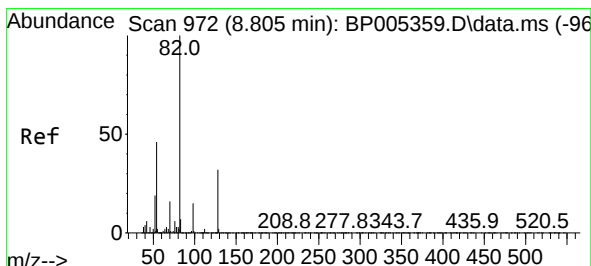
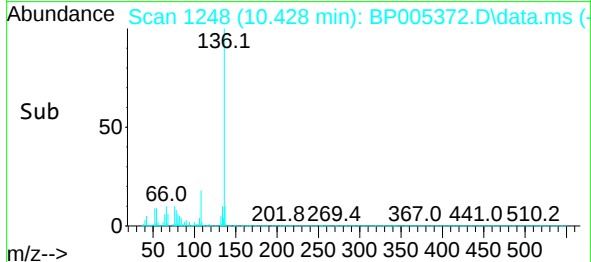
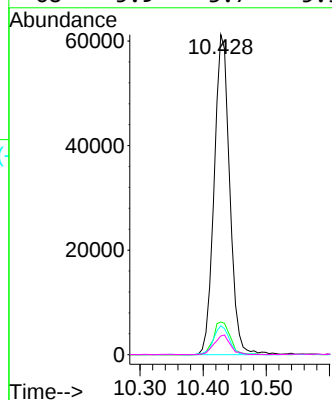
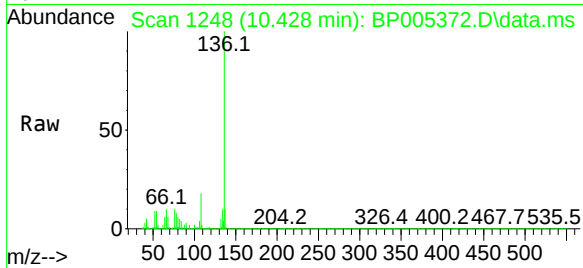




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.428 min Scan# 1248
Delta R.T. -0.006 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

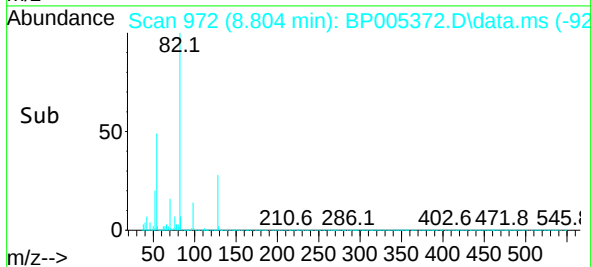
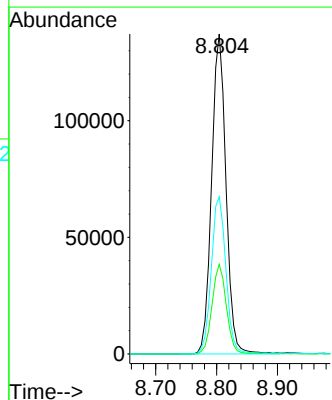
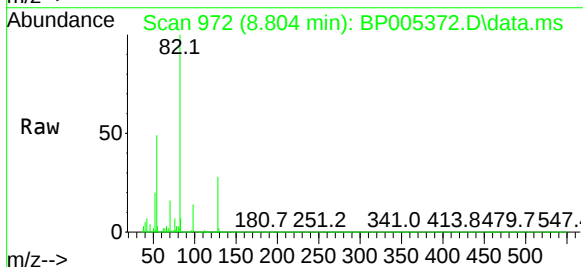
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-B

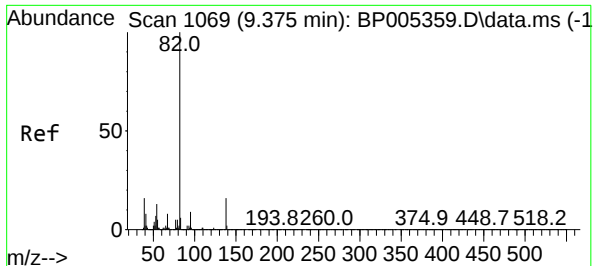
Tgt Ion:	136	Resp:	104591
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.9	13.3
54	9.1	5.0	7.4#
68	5.9	3.7	5.5#



#23
Nitrobenzene-d5
Concen: 93.48 ng
RT: 8.804 min Scan# 972
Delta R.T. -0.001 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion:	82	Resp:	224794
Ion Ratio	Lower	Upper	
82	100		
128	28.0	30.5	45.7#
54	49.2	33.9	50.9

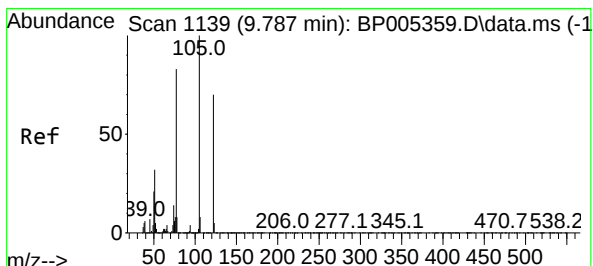
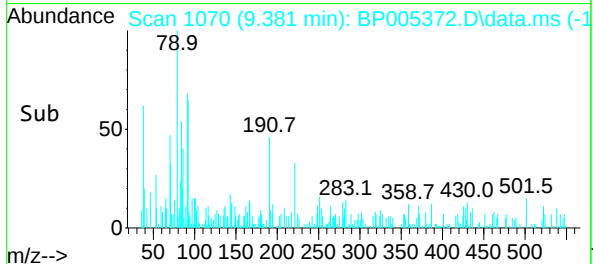
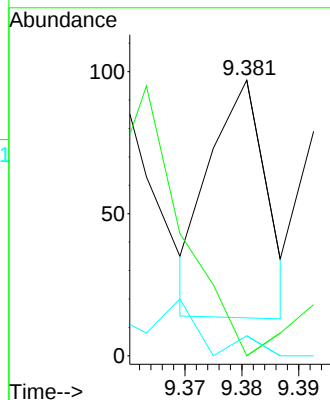
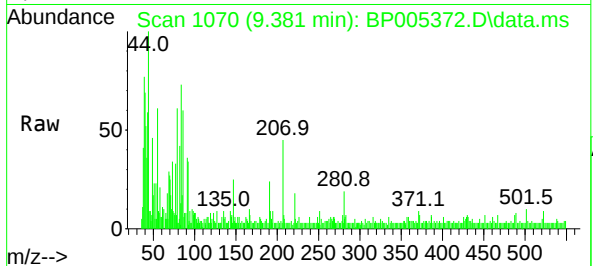




#25
Isophorone
Concen: 2.96 ng
RT: 9.381 min Scan# 1070
Delta R.T. 0.006 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

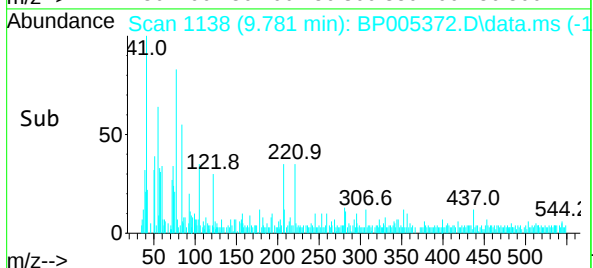
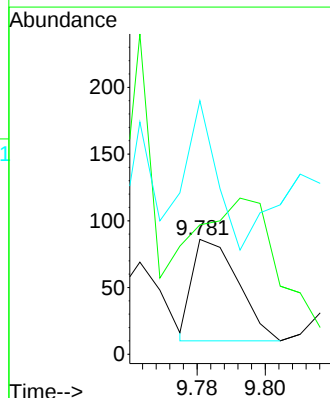
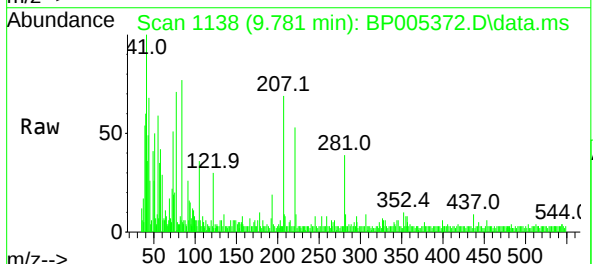
Instrument :
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ClientSampleId :
FK-GF-02-070-B

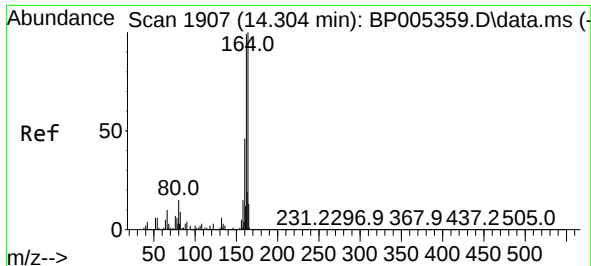
Tgt Ion: 82 Resp: 58
Ion Ratio Lower Upper
82 100
95 0.0 7.5 11.3#
138 6.9 14.6 22.0#



#32
Benzoic acid
Concen: 7.80 ng
RT: 9.781 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion: 122 Resp: 71
Ion Ratio Lower Upper
122 100
105 112.8 105.1 145.1
77 220.9 69.6 109.6#

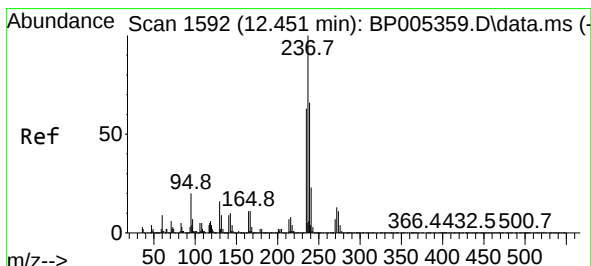
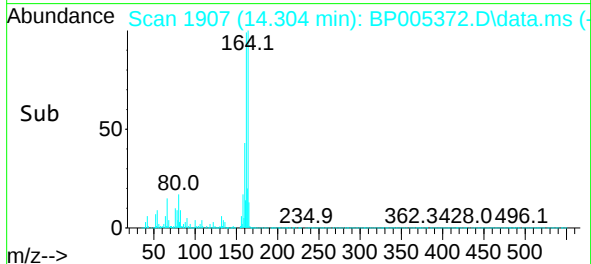
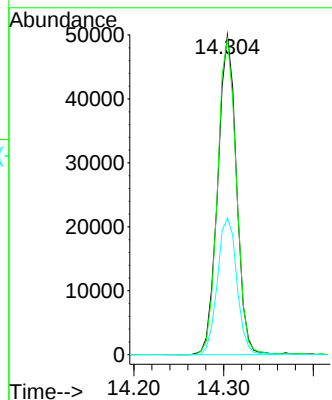
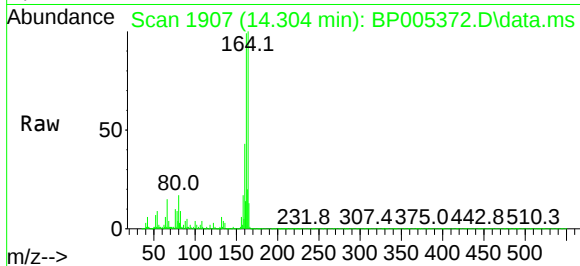




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.304 min Scan# 1907
Delta R.T. 0.000 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

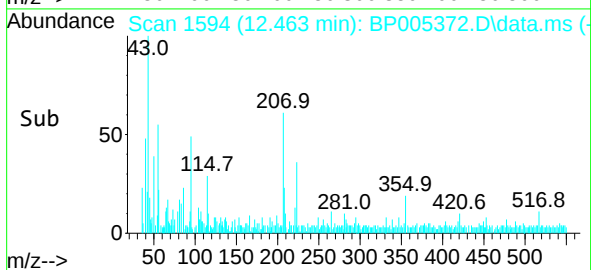
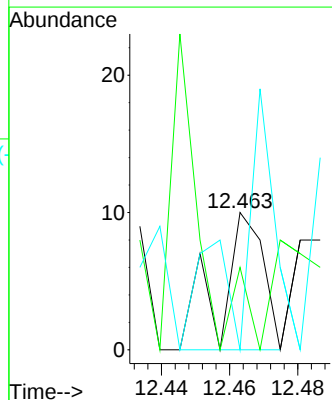
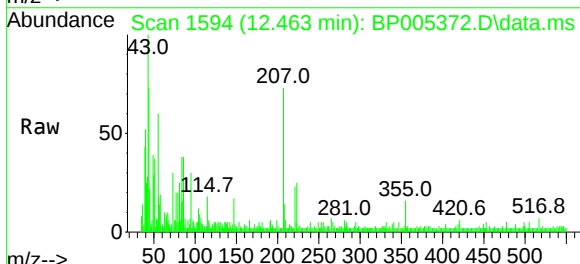
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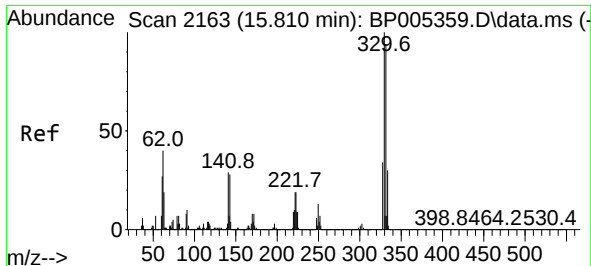
Tgt Ion:164 Resp: 72286
Ion Ratio Lower Upper
164 100
162 98.8 73.5 110.3
160 42.8 40.6 61.0



#41
Hexachlorocyclopentadiene
Concen: 6.97 ng
RT: 12.463 min Scan# 1594
Delta R.T. 0.012 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion:237 Resp: 9
Ion Ratio Lower Upper
237 100
235 60.0 40.9 80.9
272 0.0 0.0 34.6

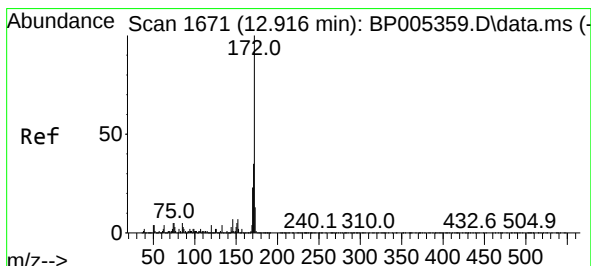
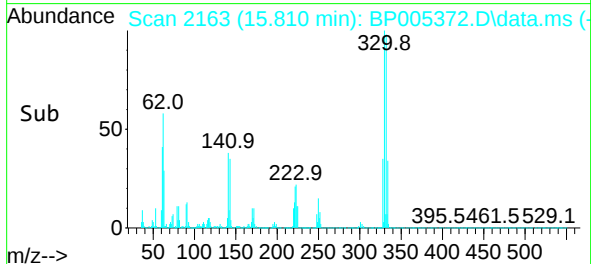
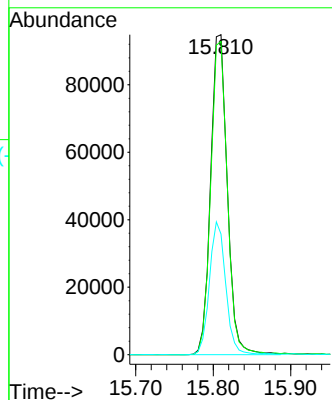
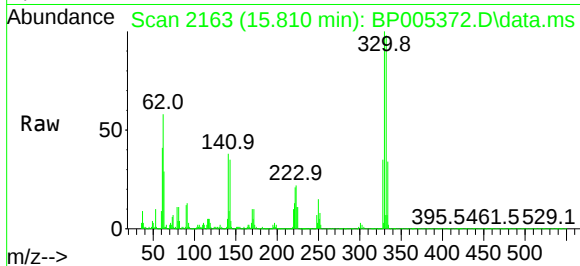




#42
2,4,6-Tribromophenol
Concen: 102.50 ng
RT: 15.810 min Scan# 2163
Delta R.T. -0.000 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

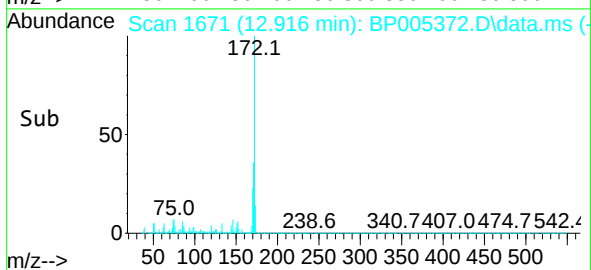
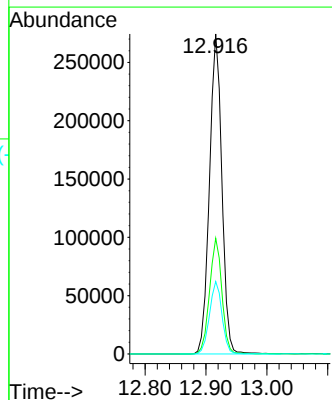
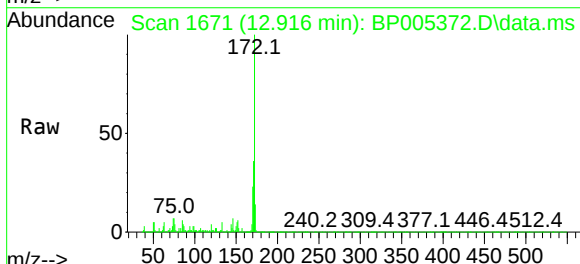
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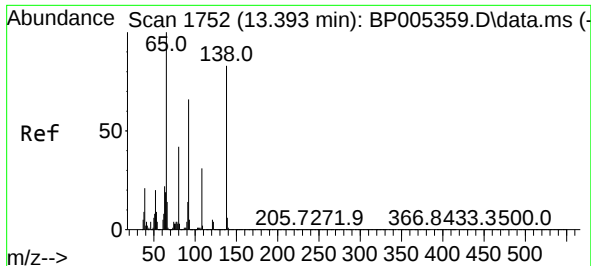
Tgt Ion:330 Resp: 141729
Ion Ratio Lower Upper
330 100
332 97.3 76.3 114.5
141 40.8 22.8 34.2#



#45
2-Fluorobiphenyl
Concen: 69.63 ng
RT: 12.916 min Scan# 1671
Delta R.T. -0.000 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion:172 Resp: 388837
Ion Ratio Lower Upper
172 100
171 36.1 28.1 42.1
170 22.6 19.6 29.4

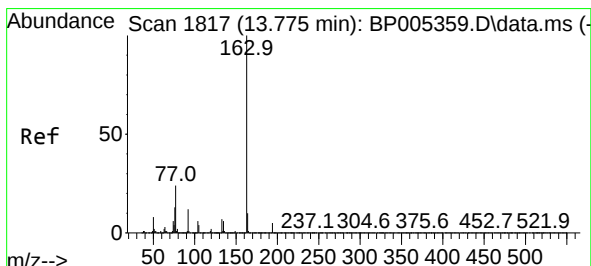
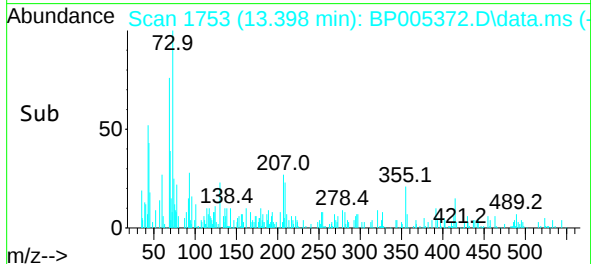
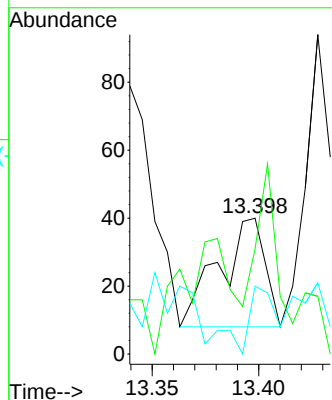
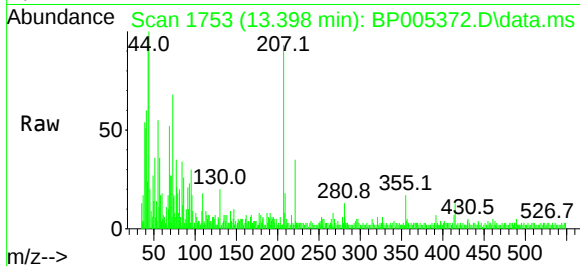




#48
2-Nitroaniline
Concen: 5.47 ng
RT: 13.398 min Scan# 1753
Delta R.T. 0.005 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

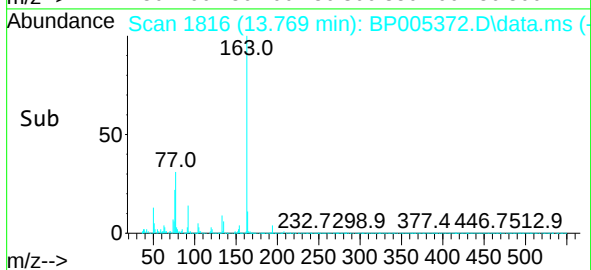
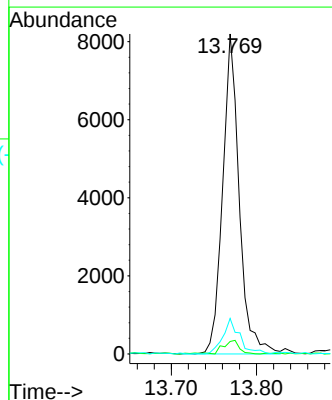
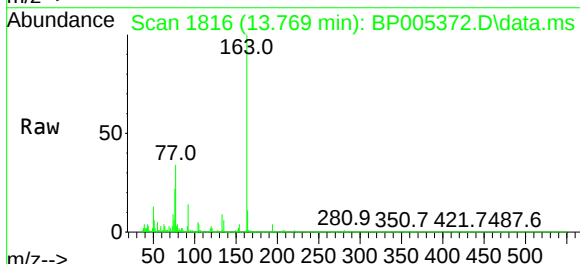
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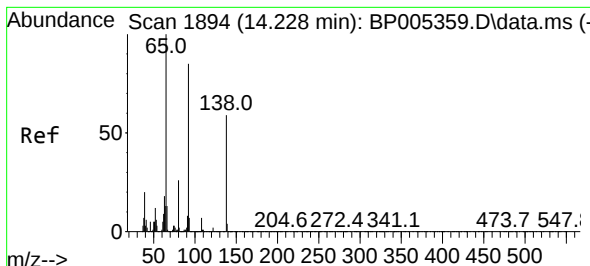
Tgt Ion: 65 Resp: 48
Ion Ratio Lower Upper
65 100
92 77.5 48.8 73.2#
138 50.0 69.5 104.3#



#50
Dimethylphthalate
Concen: 2.11 ng
RT: 13.769 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion:163 Resp: 11093
Ion Ratio Lower Upper
163 100
194 3.9 3.9 5.9#
164 11.1 8.1 12.1

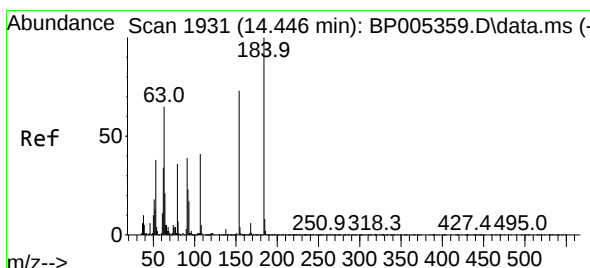
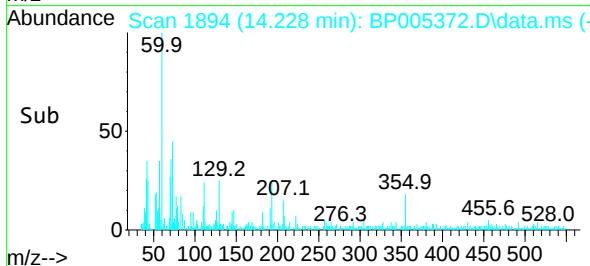
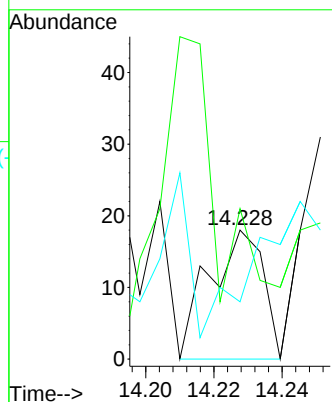
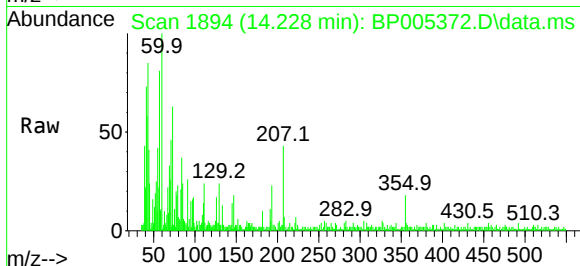




#53
3-Nitroaniline
Concen: 2.67 ng
RT: 14.228 min Scan# 1894
Delta R.T. -0.000 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

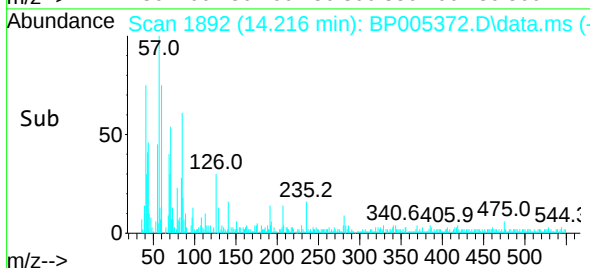
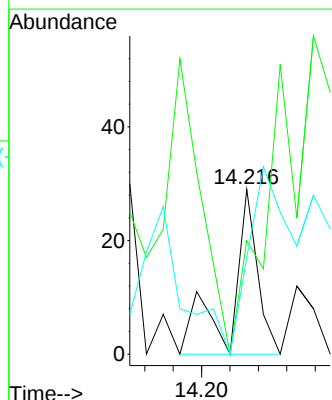
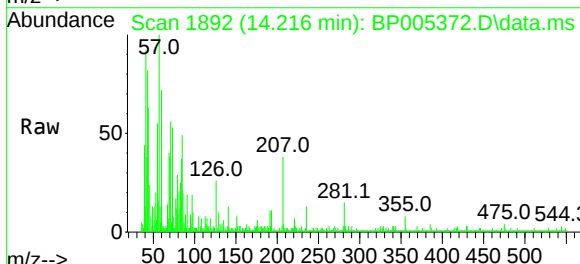
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-B

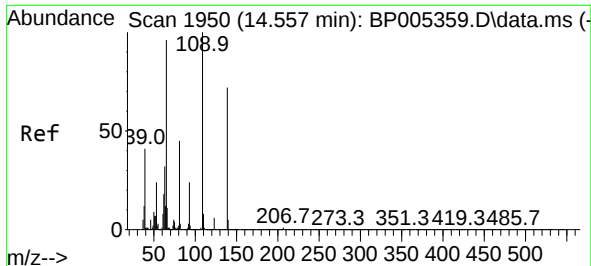
Tgt Ion:138 Resp: 20
Ion Ratio Lower Upper
138 100
108 116.7 10.2 15.4#
92 44.4 108.1 162.1#



#54
2,4-Dinitrophenol
Concen: 7.54 ng
RT: 14.216 min Scan# 1892
Delta R.T. -0.230 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion:184 Resp: 19
Ion Ratio Lower Upper
184 100
63 69.0 51.2 76.8
154 58.6 55.8 83.8

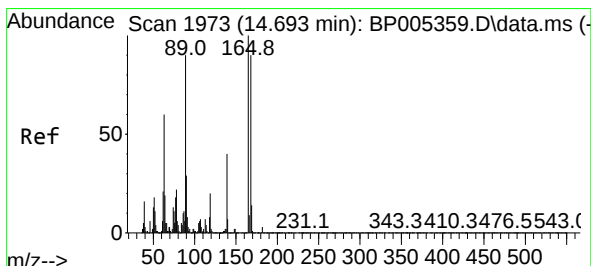
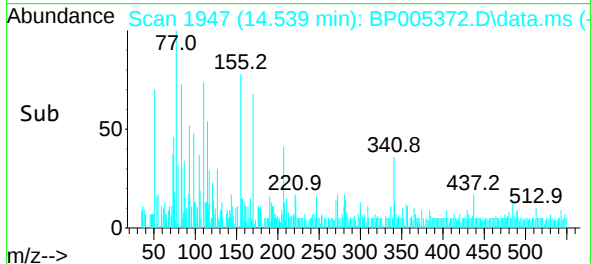
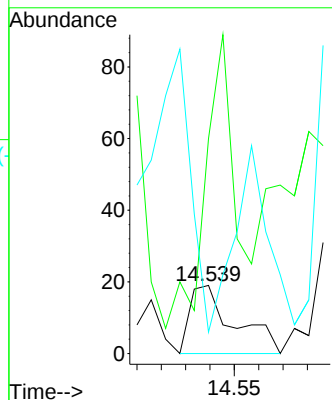
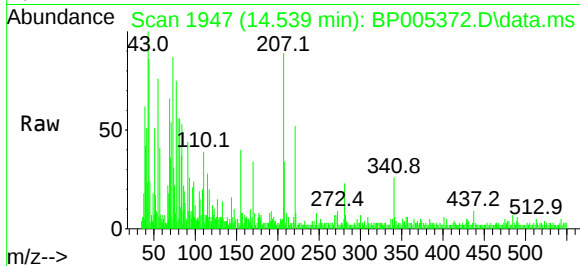




#56
4-Nitrophenol
Concen: 5.32 ng
RT: 14.539 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

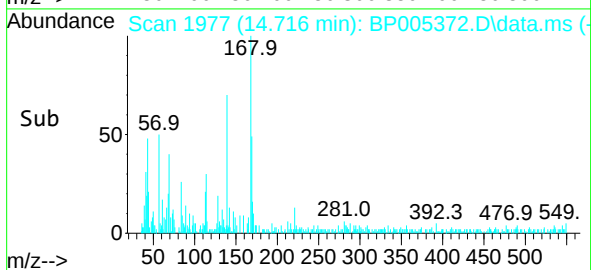
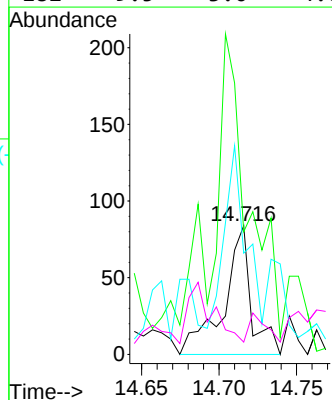
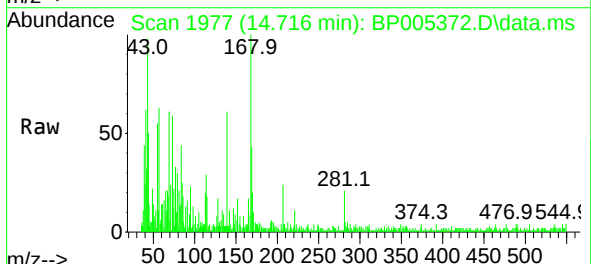
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-B

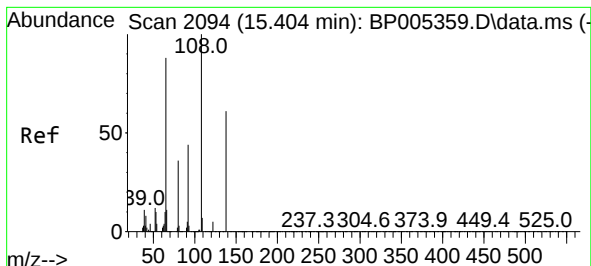
Tgt Ion:	139	Resp:	24
Ion	Ratio	Lower	Upper
139	100		
109	315.8	122.8	162.8#
65	31.6	110.0	150.0#



#57
2,4-Dinitrotoluene
Concen: 3.16 ng
RT: 14.716 min Scan# 1977
Delta R.T. 0.023 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion:	165	Resp:	103
Ion	Ratio	Lower	Upper
165	100		
63	95.2	56.7	85.1#
89	78.6	85.8	128.6#
182	9.5	3.0	4.6#

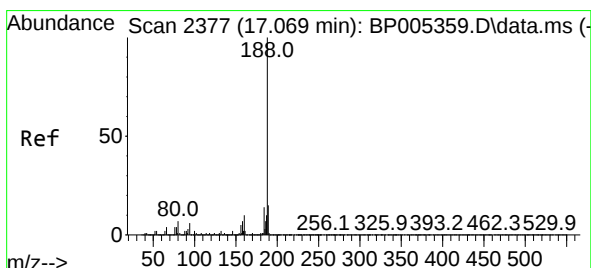
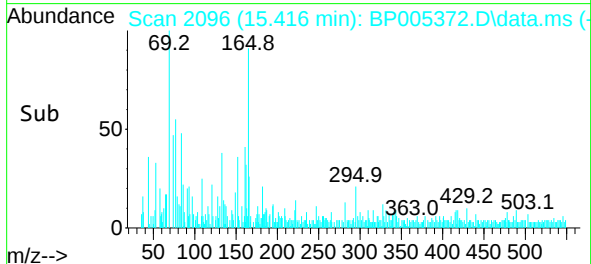
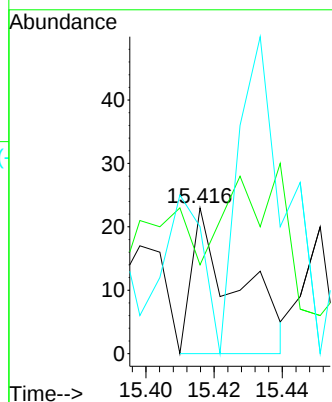
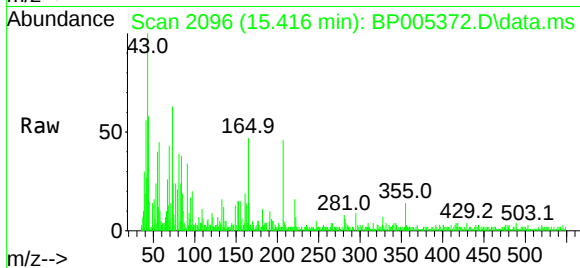




#62
4-Nitroaniline
Concen: 3.84 ng
RT: 15.416 min Scan# 2096
Delta R.T. 0.012 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

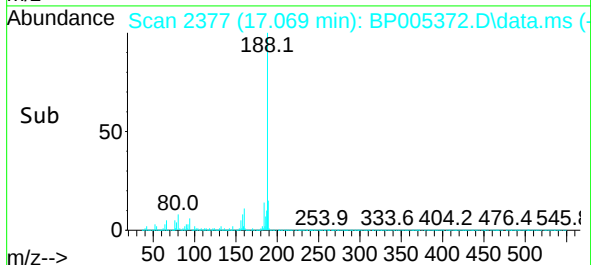
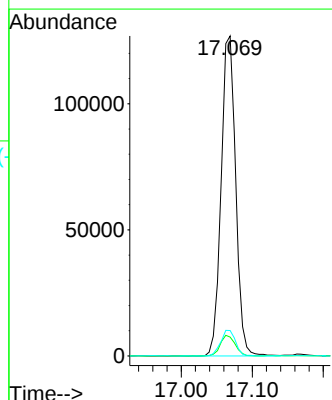
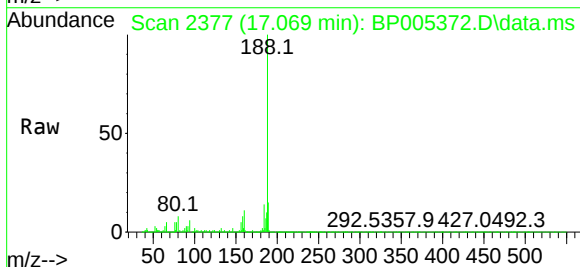
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-B

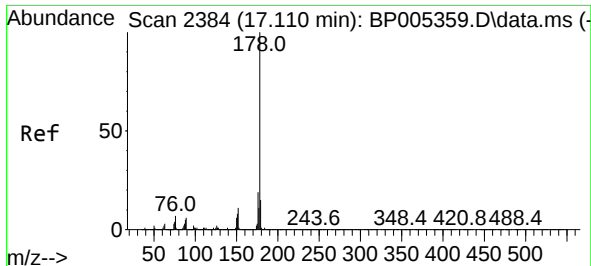
Tgt Ion:138 Resp: 21
Ion Ratio Lower Upper
138 100
92 60.9 50.9 90.9
108 87.0 154.7 194.7#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.069 min Scan# 2377
Delta R.T. -0.000 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion:188 Resp: 179761
Ion Ratio Lower Upper
188 100
94 5.9 5.0 7.6
80 7.9 5.9 8.9

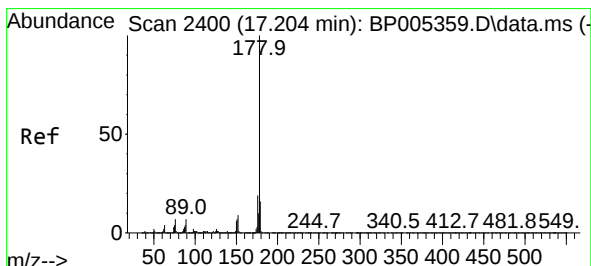
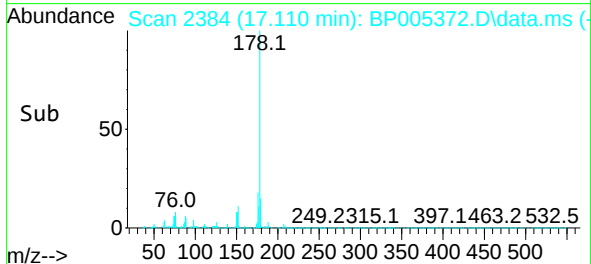
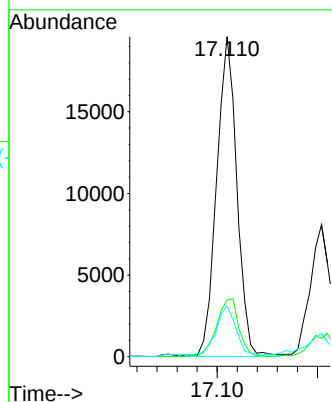
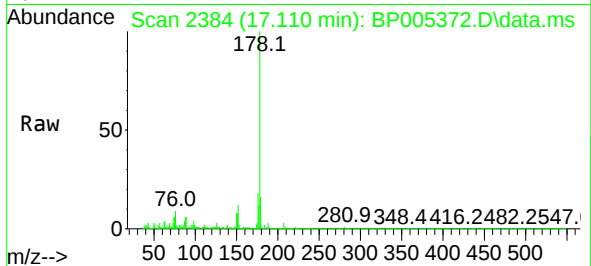




#71
Phenanthrene
Concen: 2.86 ng
RT: 17.110 min Scan# 2384
Delta R.T. -0.000 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

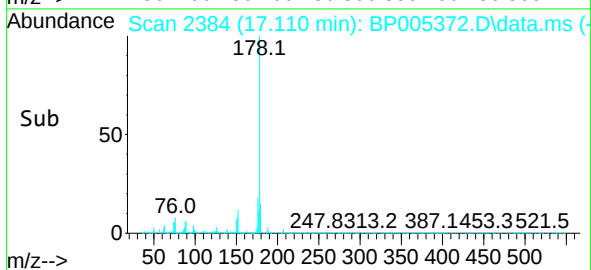
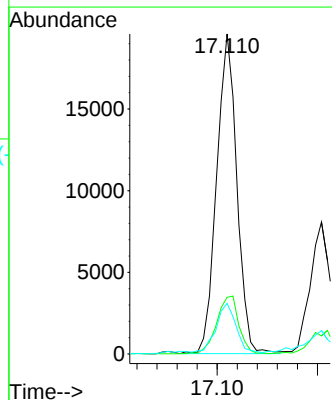
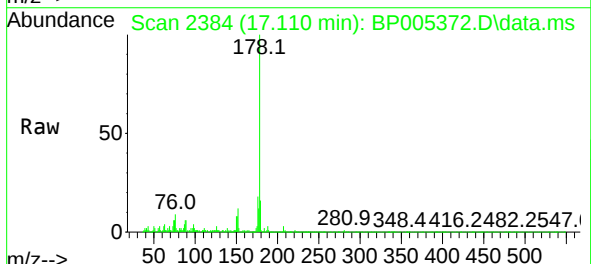
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-B

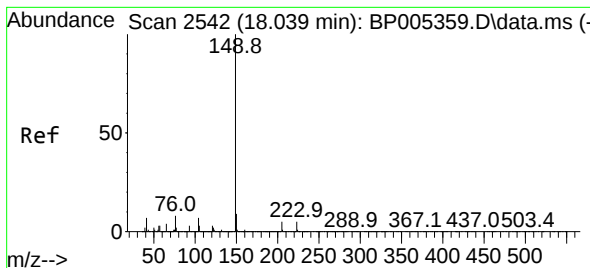
Tgt Ion:178	Resp:	27440
Ion Ratio	Lower	Upper
178	100	
176	17.7	15.4 23.2
179	15.8	12.3 18.5



#72
Anthracene
Concen: 2.94 ng
RT: 17.110 min Scan# 2384
Delta R.T. -0.094 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion:178	Resp:	27440
Ion Ratio	Lower	Upper
178	100	
176	17.7	15.2 22.8
179	15.8	12.6 19.0





#74

Di-n-butylphthalate

Concen: 4.64 ng

RT: 18.039 min Scan# 2542

Delta R.T. 0.000 min

Lab File: BP005372.D

Acq: 22 Apr 2021 13:09

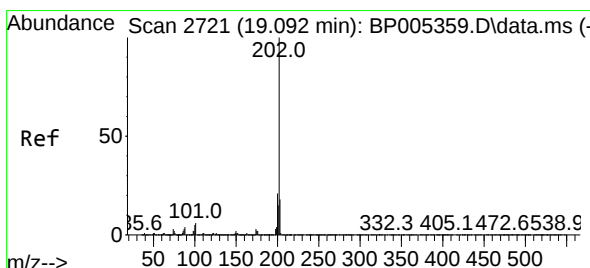
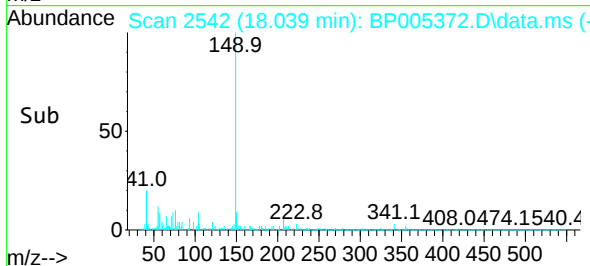
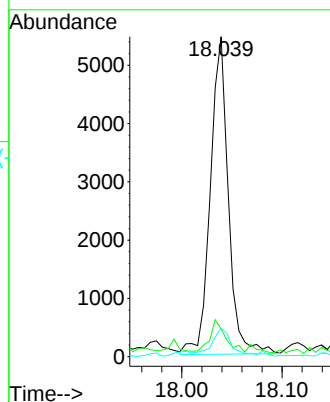
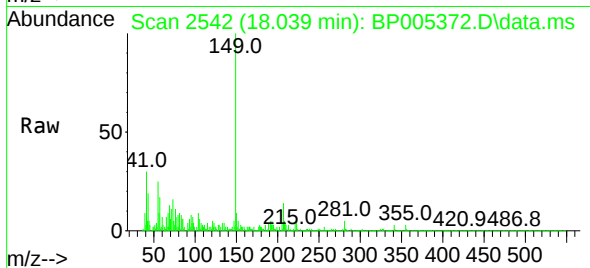
Instrument :

BNA_P

ClientSampleId :

FK-GF-02-070-B

Tgt Ion:149	Resp:	6835
Ion Ratio	Lower	Upper
149	100	
150	8.6	7.6 11.4
104	9.0	8.9 13.3



#75

Fluoranthene

Concen: 7.76 ng

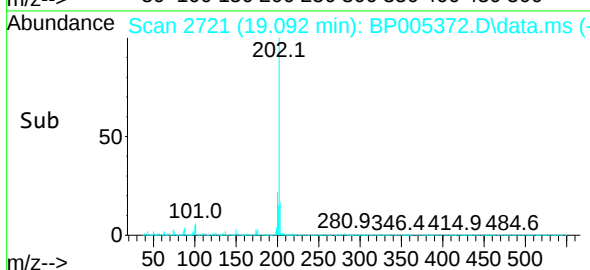
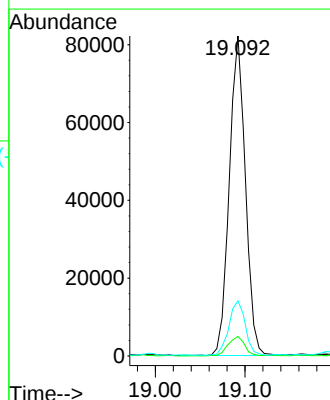
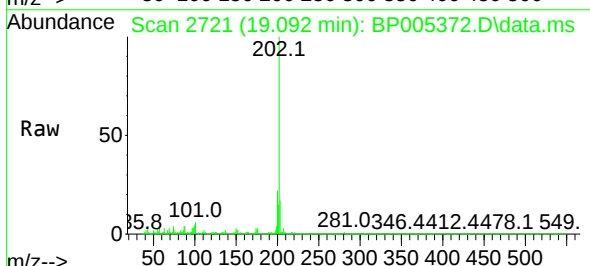
RT: 19.092 min Scan# 2721

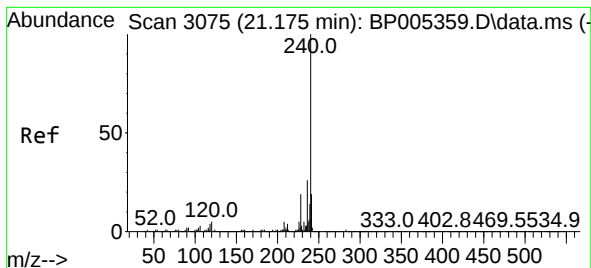
Delta R.T. -0.000 min

Lab File: BP005372.D

Acq: 22 Apr 2021 13:09

Tgt Ion:202	Resp:	102119
Ion Ratio	Lower	Upper
202	100	
101	6.1	0.0 26.1
203	17.2	0.0 37.2

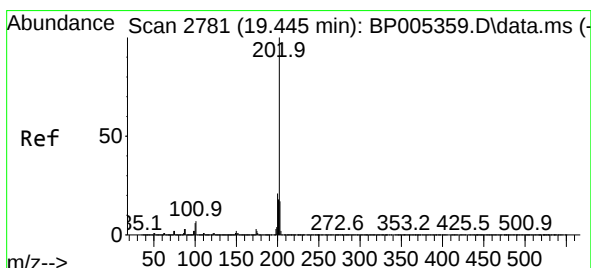
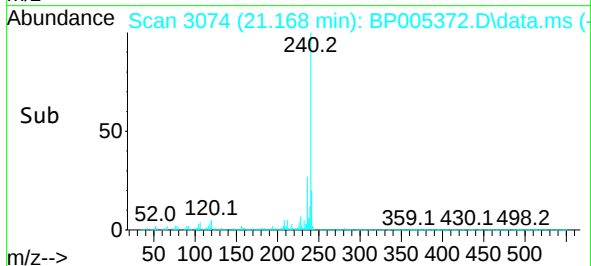
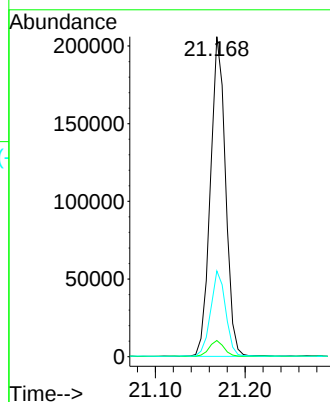
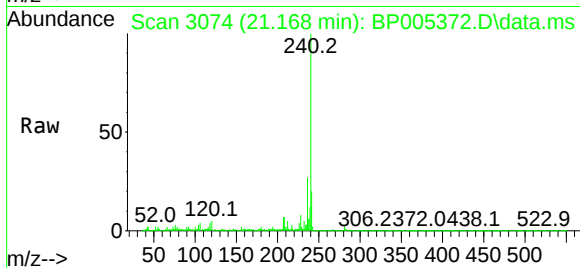




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.168 min Scan# 3074
Delta R.T. -0.007 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

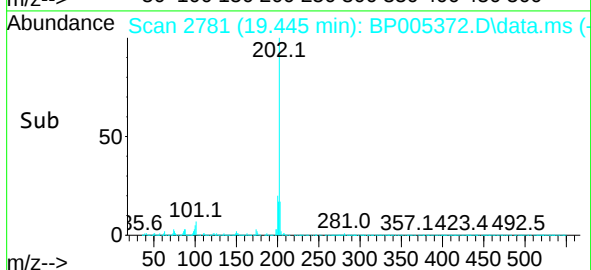
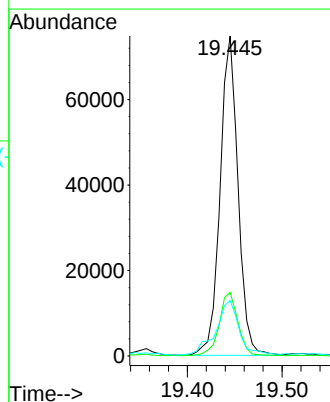
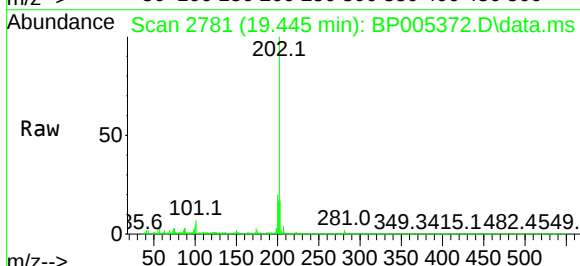
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-B

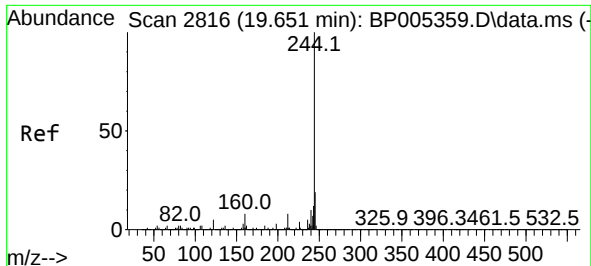
Tgt Ion:240 Resp: 241481
Ion Ratio Lower Upper
240 100
120 5.1 4.2 6.2
236 26.8 20.2 30.2



#78
Pyrene
Concen: 7.27 ng
RT: 19.445 min Scan# 2781
Delta R.T. -0.000 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion:202 Resp: 98431
Ion Ratio Lower Upper
202 100
200 19.9 16.9 25.3
203 17.3 13.8 20.6

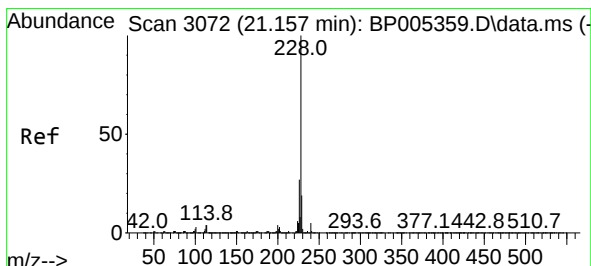
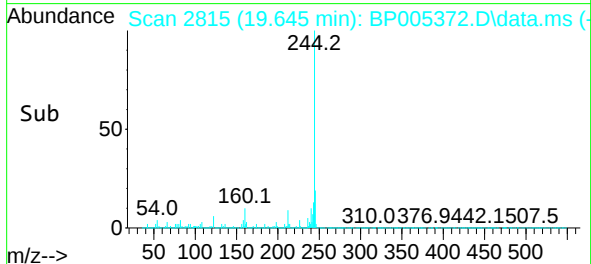
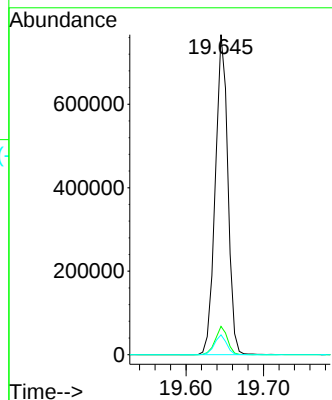
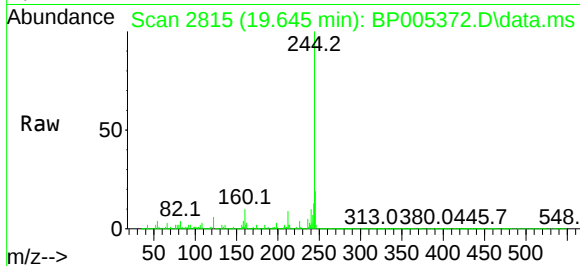




#79
Terphenyl-d14
Concen: 66.09 ng
RT: 19.645 min Scan# 2815
Delta R.T. -0.006 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

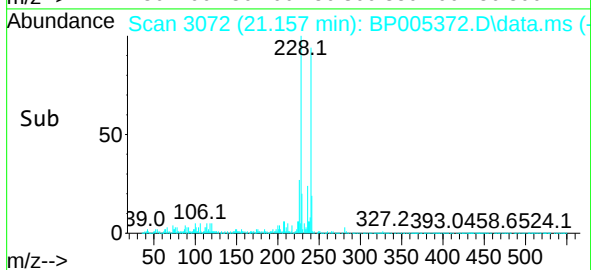
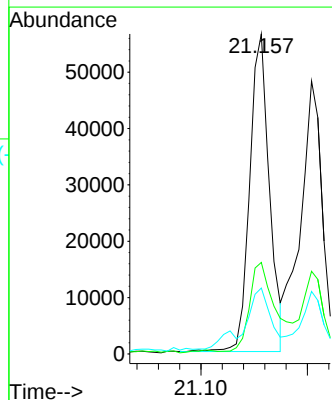
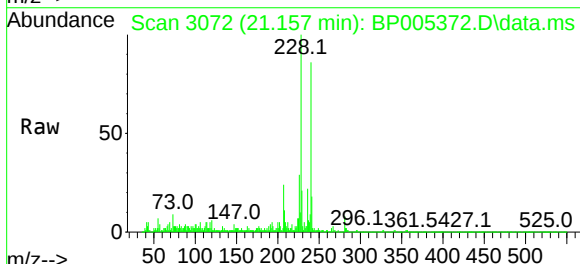
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-B

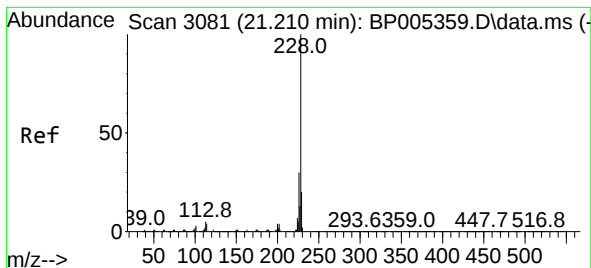
Tgt Ion:244 Resp: 861239
Ion Ratio Lower Upper
244 100
212 8.8 5.8 8.6#
122 6.2 5.2 7.8



#81
Benzo(a)anthracene
Concen: 4.65 ng
RT: 21.157 min Scan# 3072
Delta R.T. -0.000 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion:228 Resp: 72246
Ion Ratio Lower Upper
228 100
226 28.6 21.2 31.8
229 20.6 15.6 23.4





#83

Chrysene

Concen: 4.46 ng

RT: 21.204 min Scan# 3080

Delta R.T. -0.006 min

Lab File: BP005372.D

Acq: 22 Apr 2021 13:09

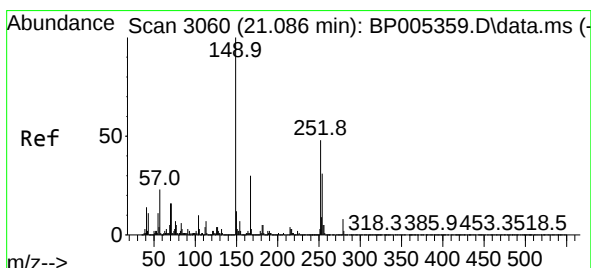
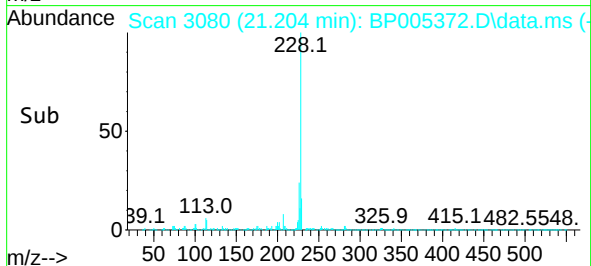
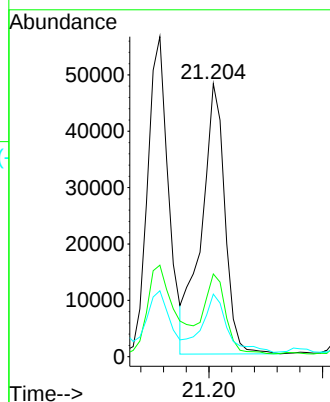
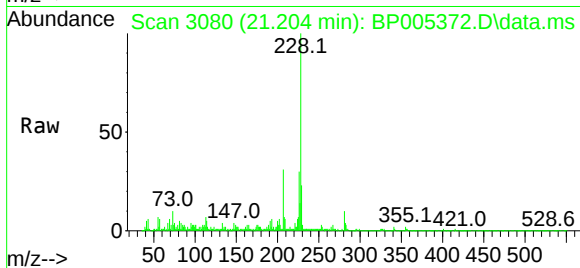
Tgt Ion:	228	Resp:	69022
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.8	37.2
229	22.9	15.4	23.0

Instrument :

BNA_P

ClientSampleId :

FK-GF-02-070-B



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.61 ng

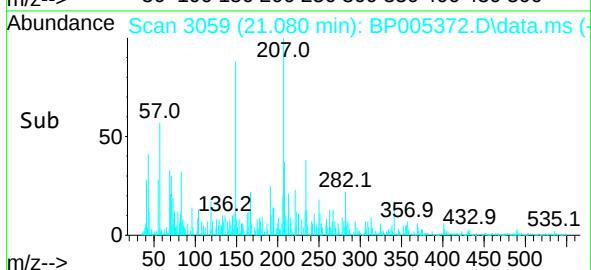
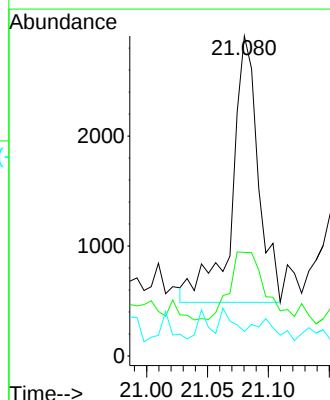
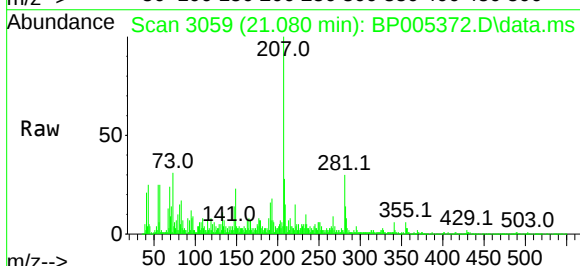
RT: 21.080 min Scan# 3059

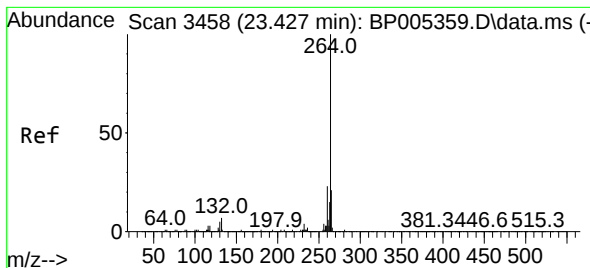
Delta R.T. -0.006 min

Lab File: BP005372.D

Acq: 22 Apr 2021 13:09

Tgt Ion:	149	Resp:	3637
Ion Ratio	Lower	Upper	
149	100		
167	32.4	23.8	35.8
279	7.7	5.7	8.5



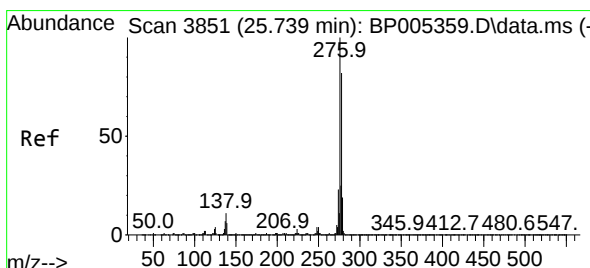
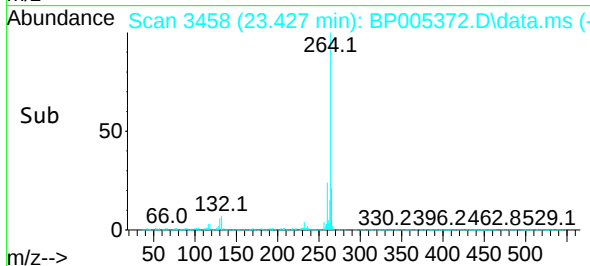
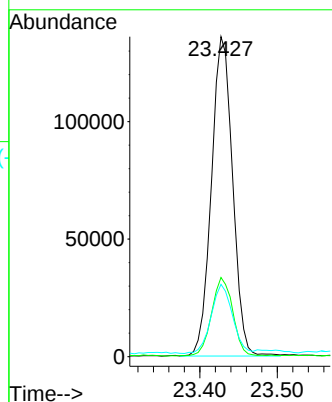
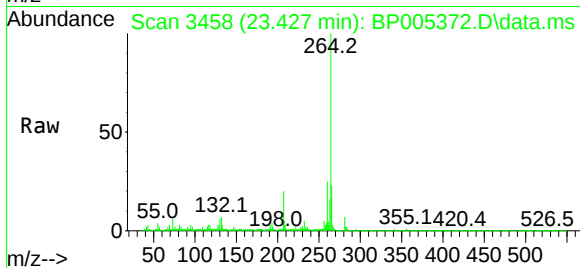


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.427 min Scan# 3458
Delta R.T. -0.000 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

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

Tgt Ion:264 Resp: 258764

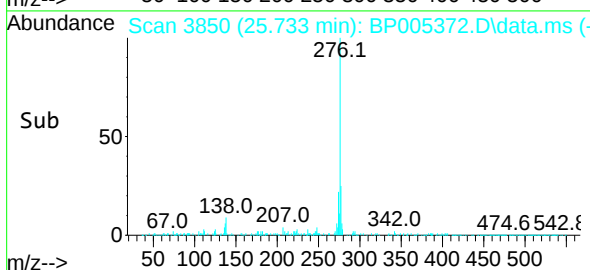
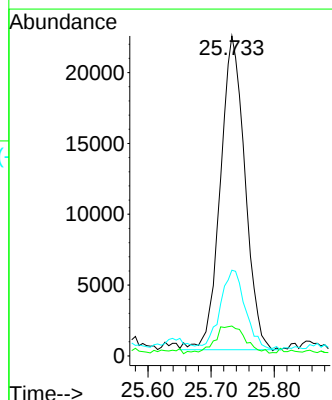
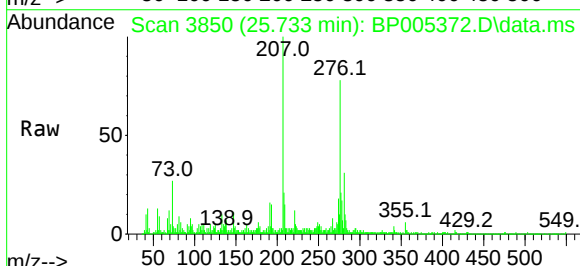
Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.6	30.8
265	22.6	19.0	28.6

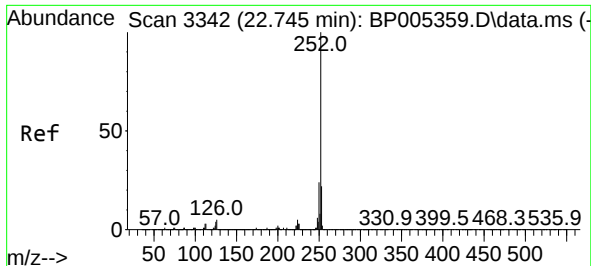


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.03 ng
RT: 25.733 min Scan# 3850
Delta R.T. -0.006 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion:276 Resp: 59834

Ion	Ratio	Lower	Upper
276	100		
138	10.2	8.4	12.6
277	24.7	20.6	31.0

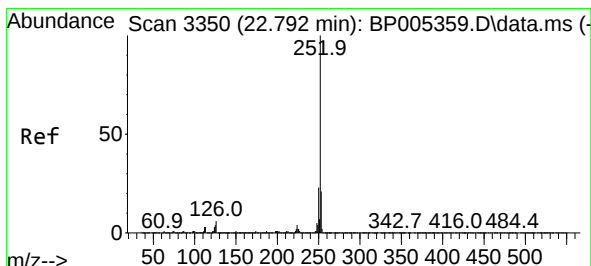
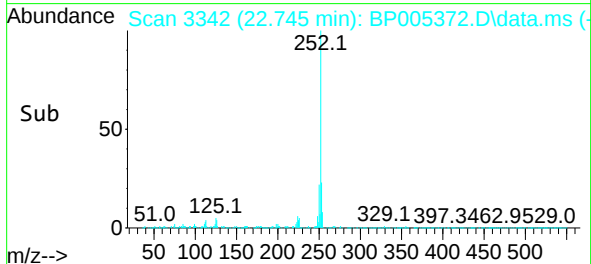
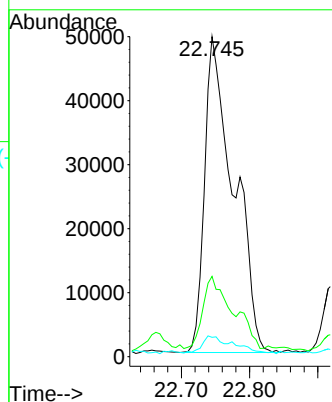
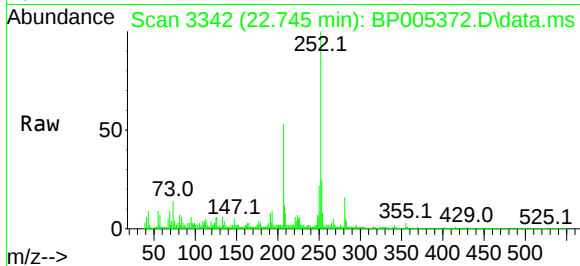




#88
Benzo(b)fluoranthene
Concen: 8.60 ng
RT: 22.745 min Scan# 3342
Delta R.T. -0.000 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

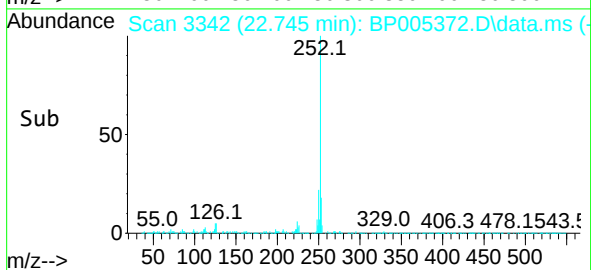
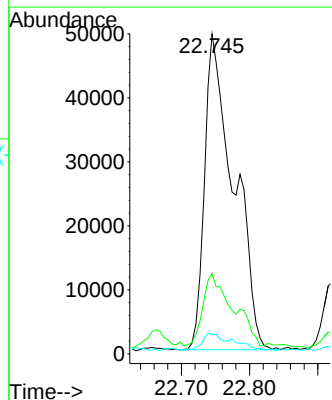
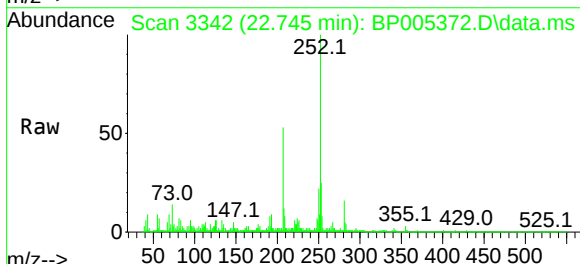
Instrument :
BNA_P
ClientSampleId :
FK-GF-02-070-B

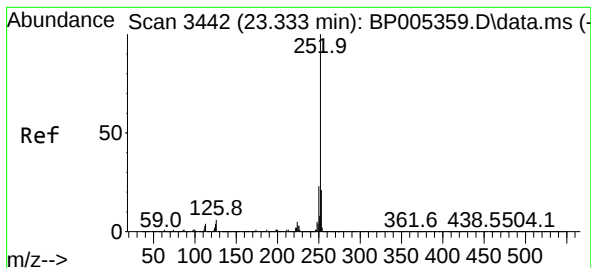
Tgt Ion:252 Resp: 146487
Ion Ratio Lower Upper
252 100
253 25.1 18.2 27.2
125 6.0 3.4 5.0#



#89
Benzo(k)fluoranthene
Concen: 8.76 ng
RT: 22.745 min Scan# 3342
Delta R.T. -0.047 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion:252 Resp: 146487
Ion Ratio Lower Upper
252 100
253 25.1 17.2 25.8
125 6.0 3.8 5.6#

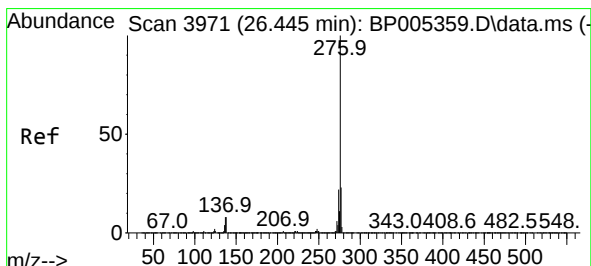
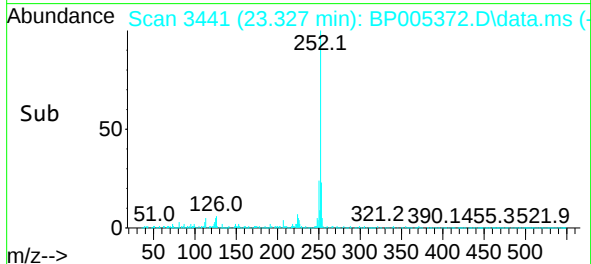
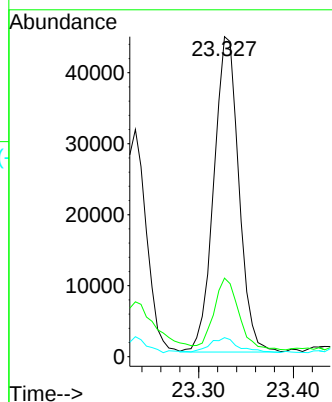
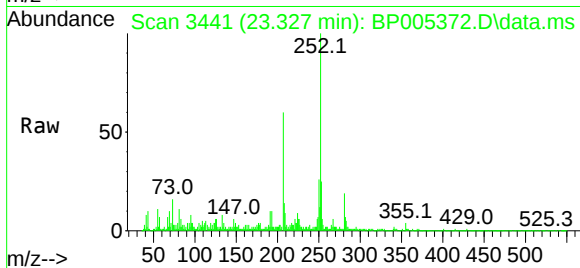




#90
Benzo(a)pyrene
Concen: 5.26 ng
RT: 23.327 min Scan# 3441
Delta R.T. -0.006 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

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

Tgt Ion:252 Resp: 81756
Ion Ratio Lower Upper
252 100
253 24.5 17.1 25.7
125 5.9 3.8 5.6#



#92
Benzo(g,h,i)perylene
Concen: 3.76 ng
RT: 26.445 min Scan# 3971
Delta R.T. -0.000 min
Lab File: BP005372.D
Acq: 22 Apr 2021 13:09

Tgt Ion:276 Resp: 60242
Ion Ratio Lower Upper
276 100
277 27.1 19.8 29.8
138 10.4 7.7 11.5

