

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042321\
 Data File : BG048868.D
 Acq On : 23 Apr 2021 18:11
 Operator : CG/JU
 Sample : M2089-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-072-B

Quant Time: Apr 23 23:32:50 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 20 17:33:30 2021
 Response via : Initial Calibration

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

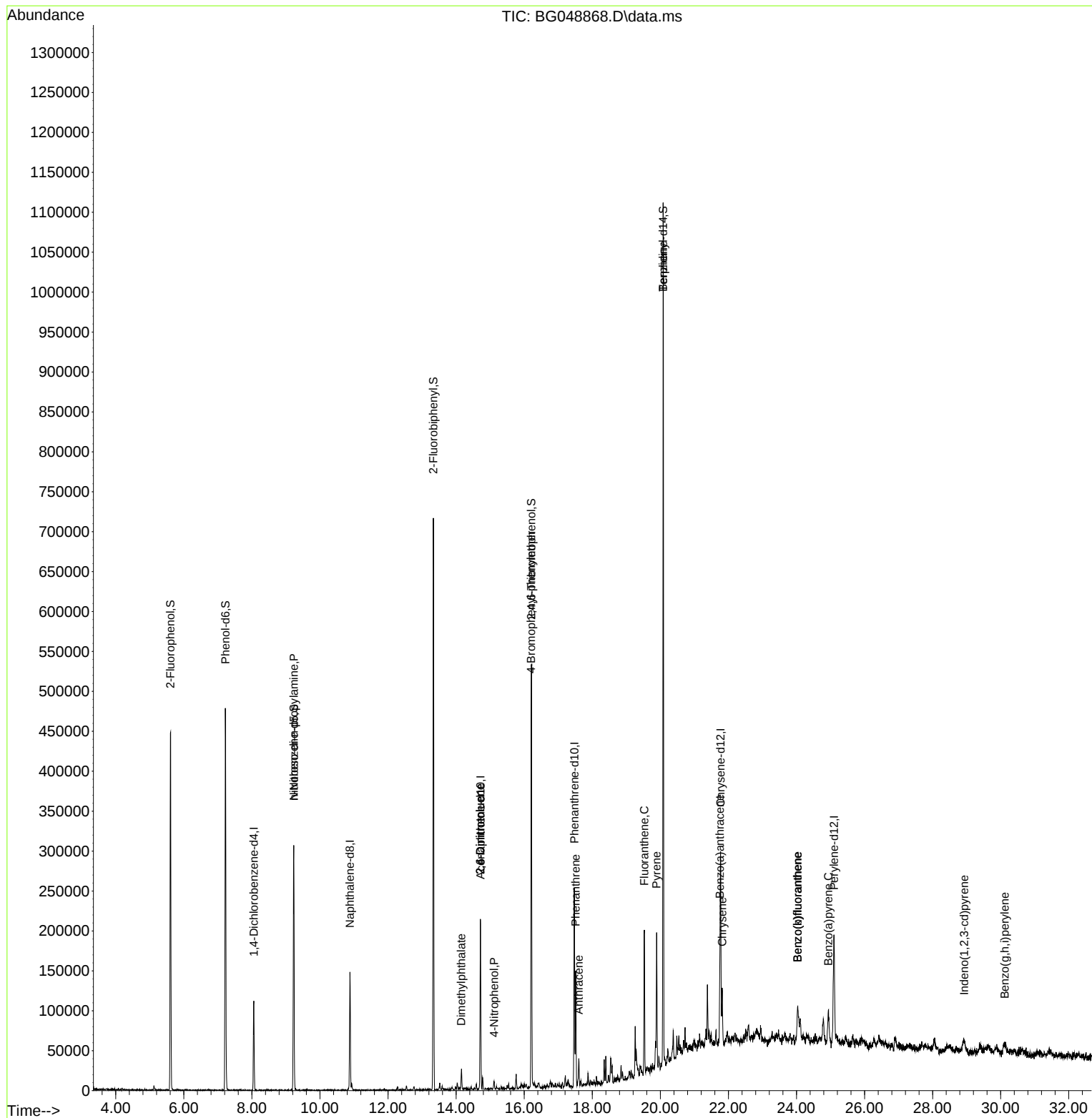
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.056	152	27502	20.00	ng	0.00
21) Naphthalene-d8	10.882	136	113838	20.00	ng	#-0.01
39) Acenaphthene-d10	14.718	164	74327	20.00	ng	0.00
64) Phenanthrene-d10	17.474	188	154286	20.00	ng	# 0.00
76) Chrysene-d12	21.769	240	134591	20.00	ng	-0.01
86) Perylene-d12	25.100	264	135984	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.606	112	178934	108.82	ng	0.00
7) Phenol-d6	7.221	99	232446	99.94	ng	0.00
23) Nitrobenzene-d5	9.231	82	174720	68.71	ng	0.00
42) 2,4,6-Tribromophenol	16.211	330	85219	85.51	ng	0.00
45) 2-Fluorobiphenyl	13.332	172	346831	67.39	ng	-0.01
79) Terphenyl-d14	20.083	244	460698	58.91	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.231	70	28312	18.04	ng	# 66
50) Dimethylphthalate	14.154	163	14100	2.53	ng	# 91
51) 2,6-Dinitrotoluene	14.713	165	10133	7.88	ng	# 15
56) 4-Nitrophenol	15.118	139	2658	2.91	ng	# 1
57) 2,4-Dinitrotoluene	14.713	165	10133	5.42	ng	# 20
67) 4-Bromophenyl-phenylether	16.205	248	5951	3.35	ng	# 1
71) Phenanthrene	17.515	178	83467	10.42	ng	97
72) Anthracene	17.603	178	19963	2.52	ng	94
75) Fluoranthene	19.530	202	110646	10.93	ng	97
77) Benzidine	20.083	184	8472	2.32	ng	# 92
78) Pyrene	19.889	202	110664	11.88	ng	95
81) Benzo(a)anthracene	21.751	228	55084	5.99	ng	95
83) Chrysene	21.822	228	48918	5.58	ng	94
87) Indeno(1,2,3-cd)pyrene	28.925	276	26721	2.68	ng	# 97
88) Benzo(b)fluoranthene	24.031	252	55062	5.97	ng	# 90
89) Benzo(k)fluoranthene	24.031	252	55062	6.35	ng	94
90) Benzo(a)pyrene	24.936	252	44990	5.29	ng	# 95
92) Benzo(g,h,i)perylene	30.118	276	27021	3.20	ng	# 92

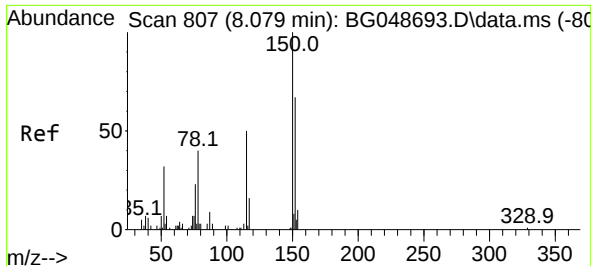
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 20 17:33:30 2021
Response via : Initial Calibration

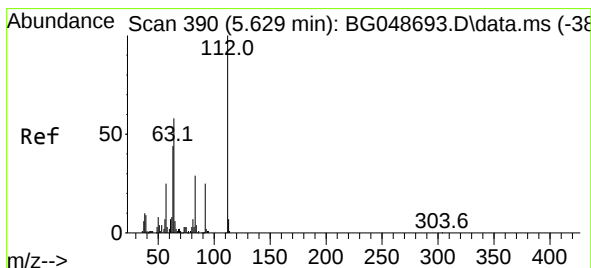
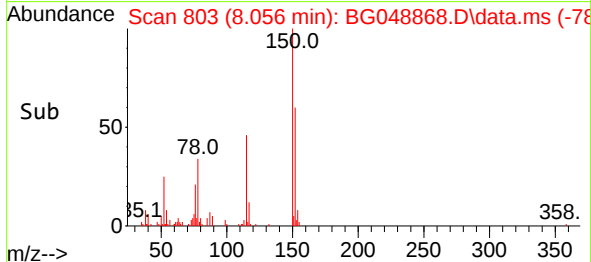
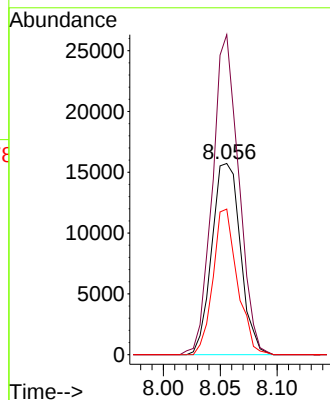
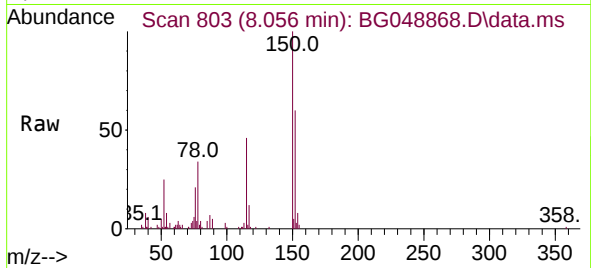




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.056 min Scan# 803
Delta R.T. -0.005 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

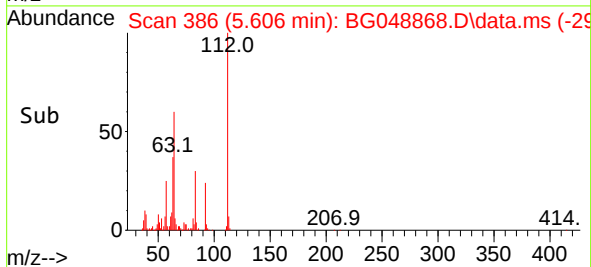
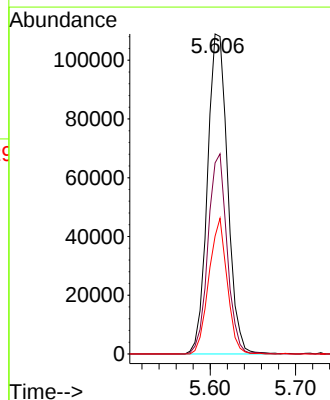
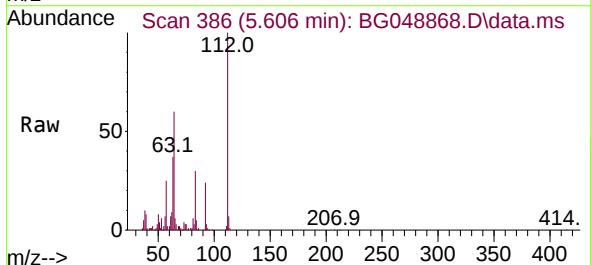
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-072-B

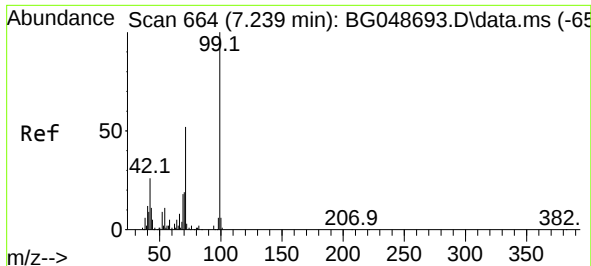
Tgt Ion:152 Resp: 27502
Ion Ratio Lower Upper
152 100
150 167.4 119.4 179.0
115 76.2 60.2 90.4



#5
2-Fluorophenol
Concen: 108.82 ng
RT: 5.606 min Scan# 386
Delta R.T. 0.000 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

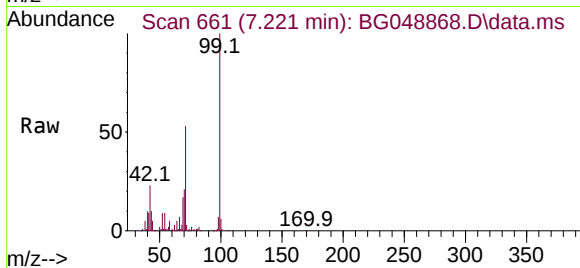
Tgt Ion:112 Resp: 178934
Ion Ratio Lower Upper
112 100
64 59.7 46.7 70.1
63 36.8 35.3 52.9



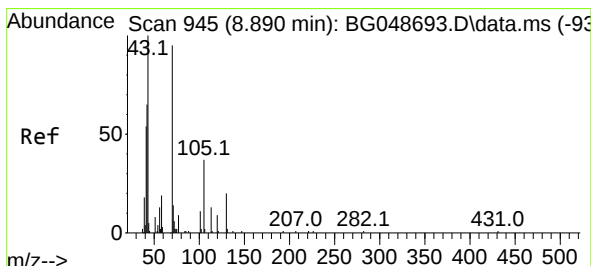
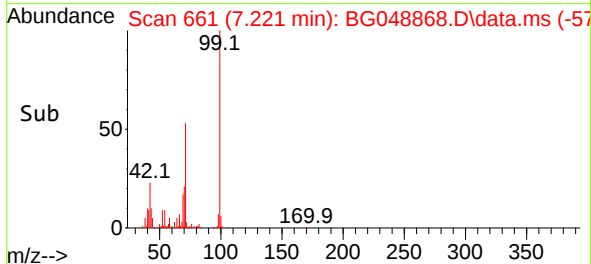
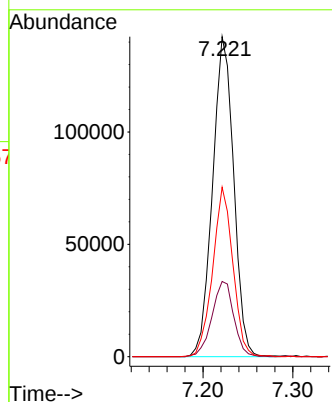


#7
Phenol-d6
Concen: 99.94 ng
RT: 7.221 min Scan# 661
Delta R.T. 0.000 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-072-B

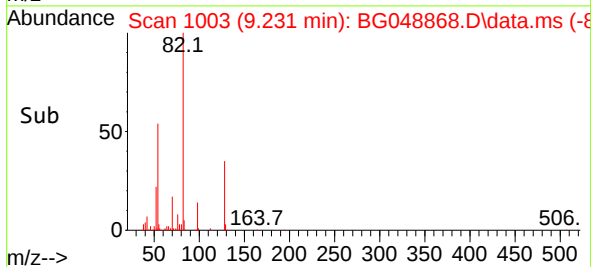
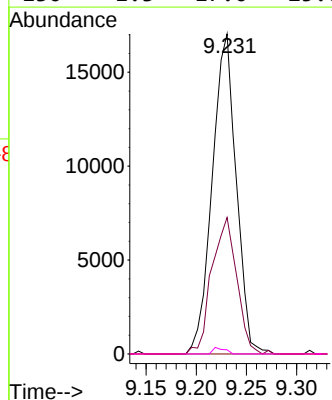
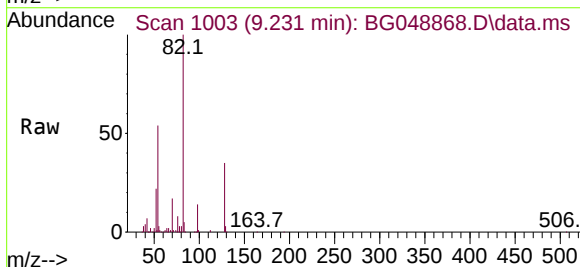


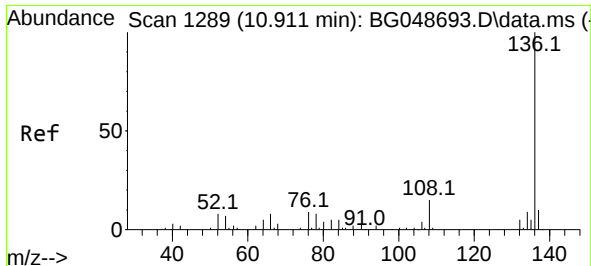
Tgt Ion: 99 Resp: 232446
Ion Ratio Lower Upper
99 100
42 23.5 20.5 30.7
71 53.0 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 18.04 ng
RT: 9.231 min Scan# 1003
Delta R.T. 0.359 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

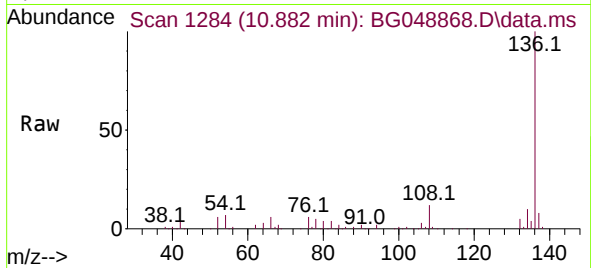
Tgt Ion: 70 Resp: 28312
Ion Ratio Lower Upper
70 100
42 42.6 54.5 81.7#
101 0.0 9.0 13.6#
130 1.3 17.0 25.6#



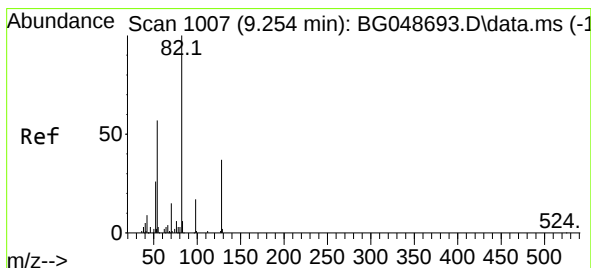
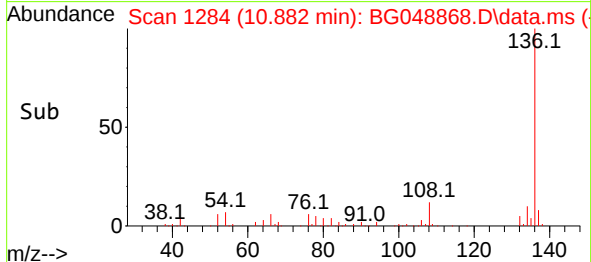
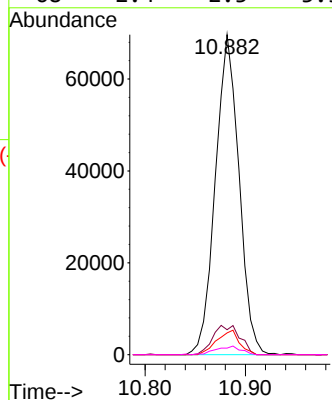


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.882 min Scan# 1284
Delta R.T. -0.011 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-072-B

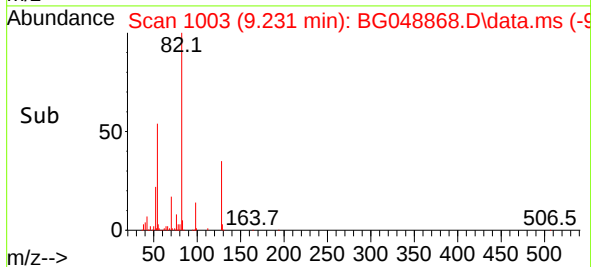
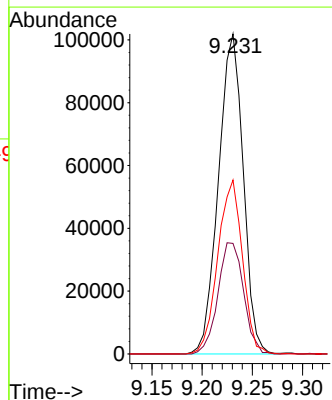
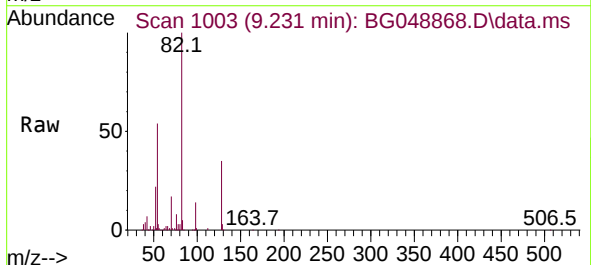


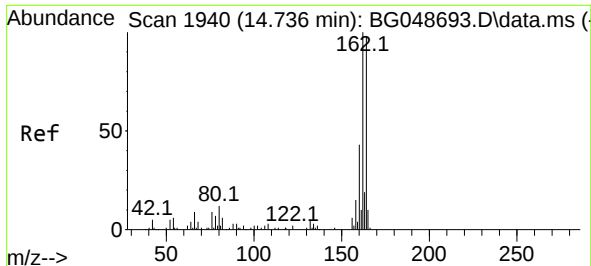
Tgt Ion:136 Resp: 113838
Ion Ratio Lower Upper
136 100
137 7.8 8.2 12.2#
54 6.8 5.5 8.3
68 2.4 2.3 3.5



#23
Nitrobenzene-d5
Concen: 68.71 ng
RT: 9.231 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

Tgt Ion: 82 Resp: 174720
Ion Ratio Lower Upper
82 100
128 34.6 29.8 44.6
54 54.3 45.8 68.8

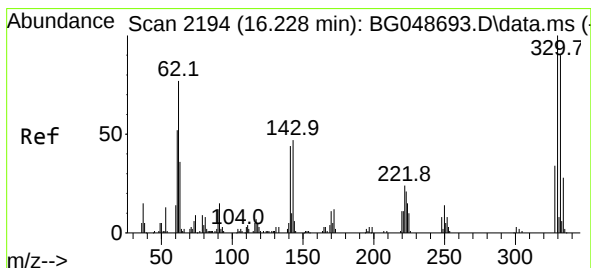
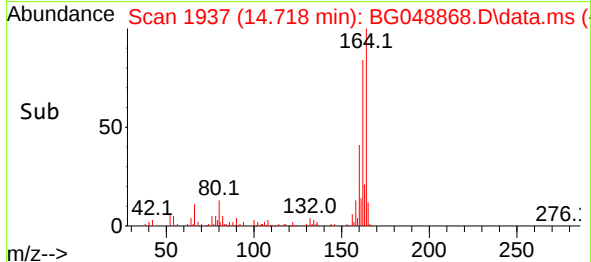
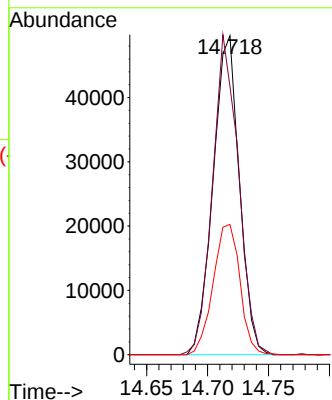
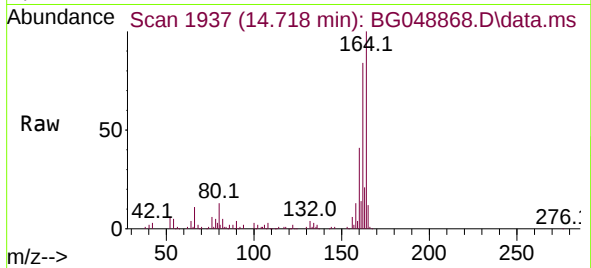




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.718 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

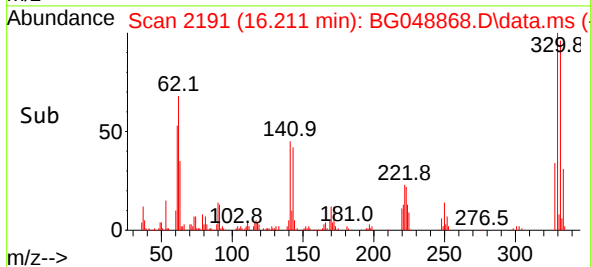
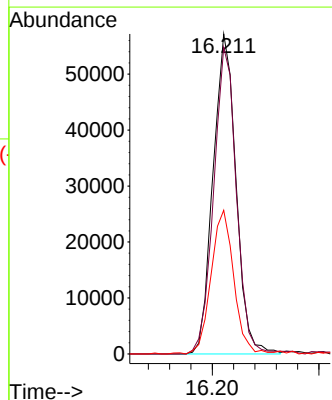
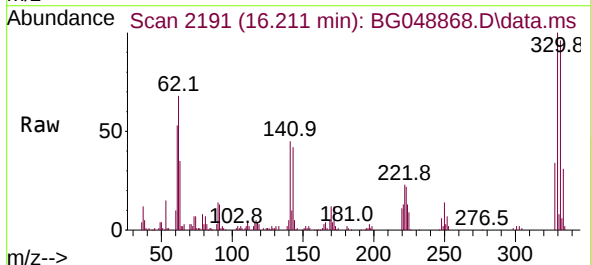
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-072-B

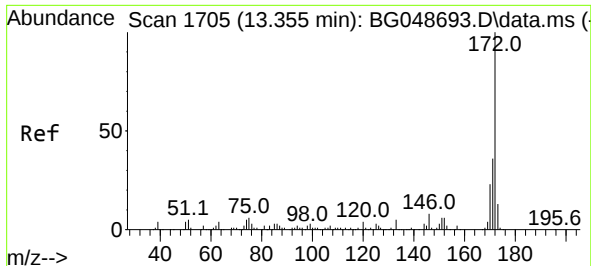
Tgt Ion:164 Resp: 74327
Ion Ratio Lower Upper
164 100
162 84.1 81.4 122.0
160 40.9 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 85.51 ng
RT: 16.211 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

Tgt Ion:330 Resp: 85219
Ion Ratio Lower Upper
330 100
332 95.3 77.3 115.9
141 44.6 35.6 53.4

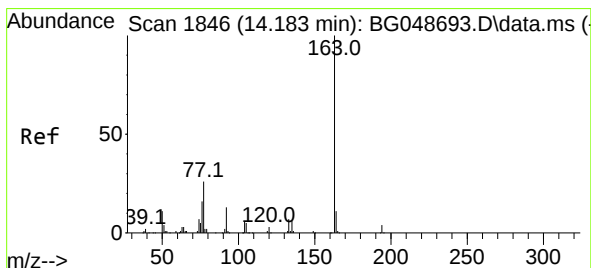
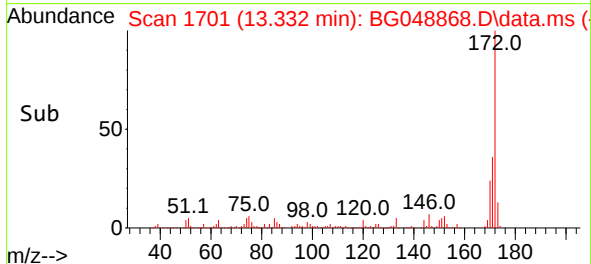
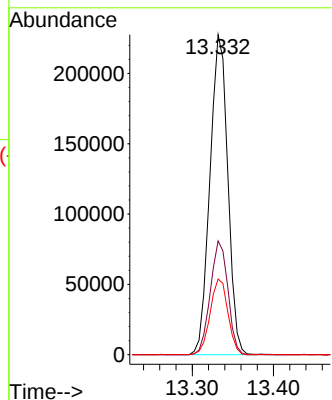
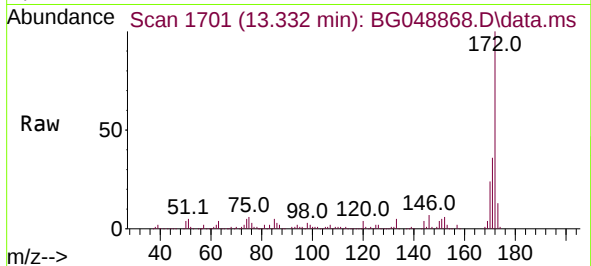




#45
2-Fluorobiphenyl
Concen: 67.39 ng
RT: 13.332 min Scan# 1701
Delta R.T. -0.011 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

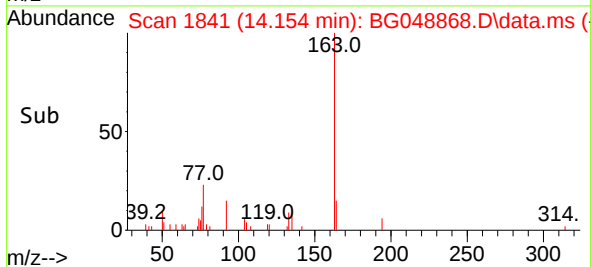
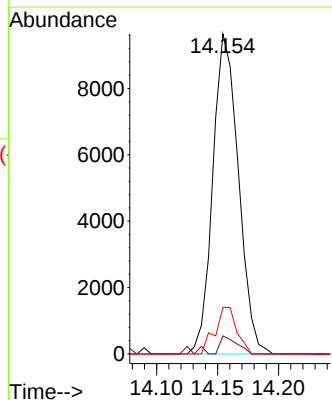
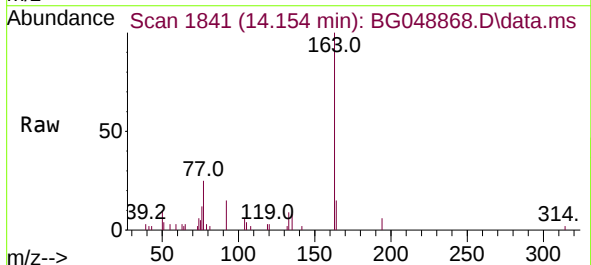
Instrument :
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ClientSampleId :
FK-GF-02-072-B

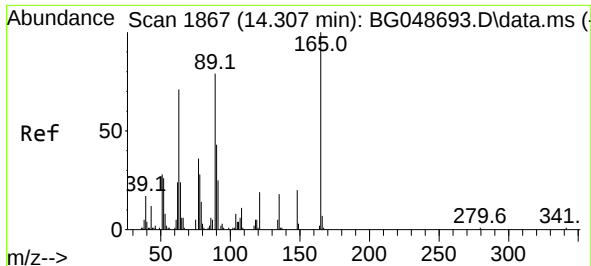
Tgt Ion:172 Resp: 346831
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.6 18.6 27.8



#50
Dimethylphthalate
Concen: 2.53 ng
RT: 14.154 min Scan# 1841
Delta R.T. -0.017 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

Tgt Ion:163 Resp: 14100
Ion Ratio Lower Upper
163 100
194 5.7 3.0 4.6#
164 14.5 8.6 12.8#

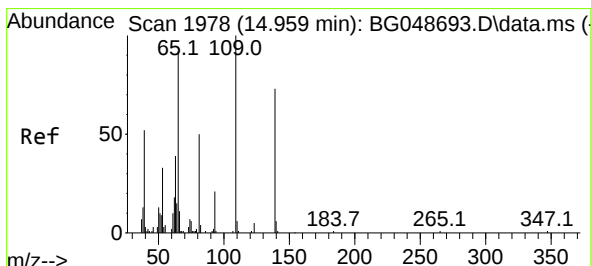
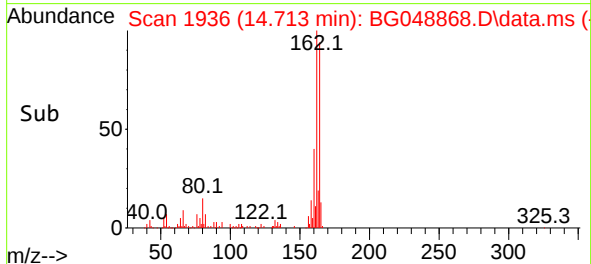
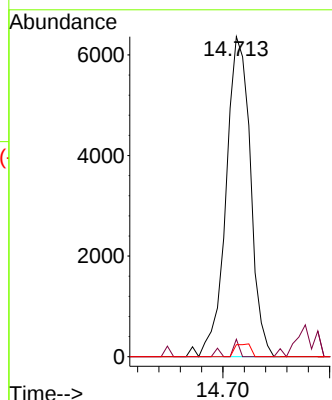
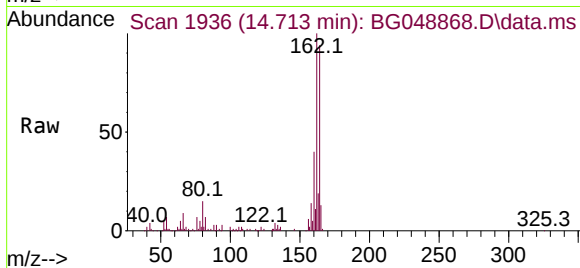




#51
2,6-Dinitrotoluene
Concen: 7.88 ng
RT: 14.713 min Scan# 1936
Delta R.T. 0.417 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

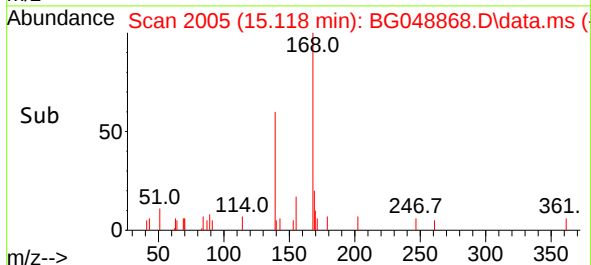
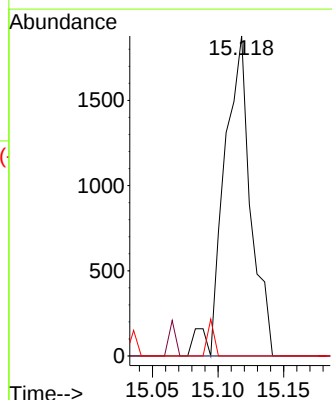
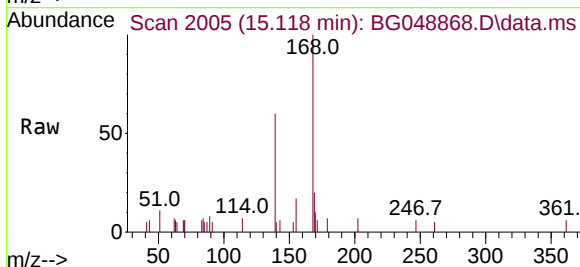
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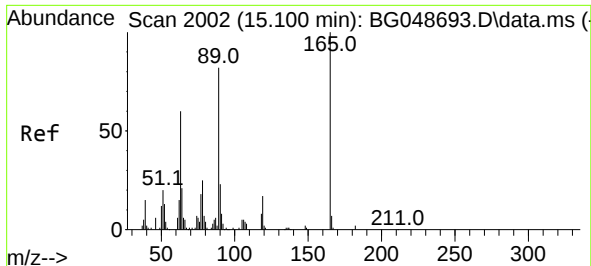
Tgt Ion:165 Resp: 10133
Ion Ratio Lower Upper
165 100
63 5.4 63.3 94.9#
89 3.8 63.4 95.0#



#56
4-Nitrophenol
Concen: 2.91 ng
RT: 15.118 min Scan# 2005
Delta R.T. 0.171 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

Tgt Ion:139 Resp: 2658
Ion Ratio Lower Upper
139 100
109 0.0 116.3 156.3#
65 0.0 105.0 145.0#

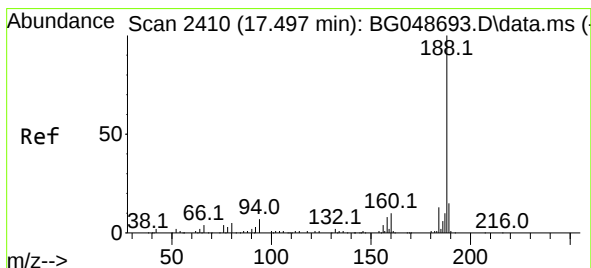
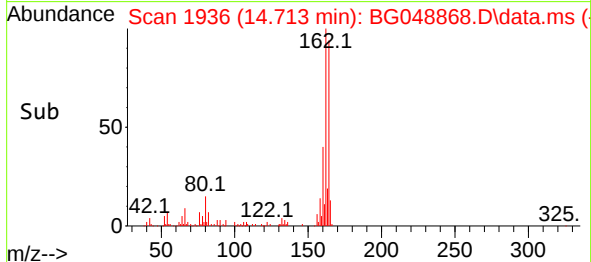
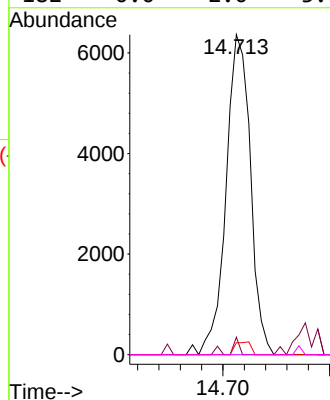
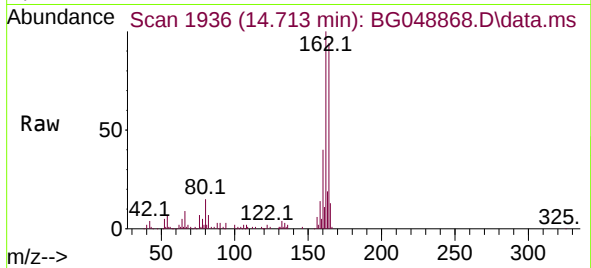




#57
2,4-Dinitrotoluene
Concen: 5.42 ng
RT: 14.713 min Scan# 1936
Delta R.T. -0.370 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

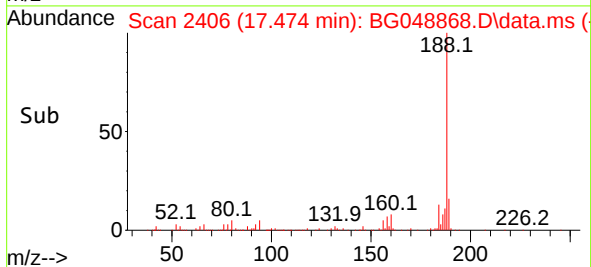
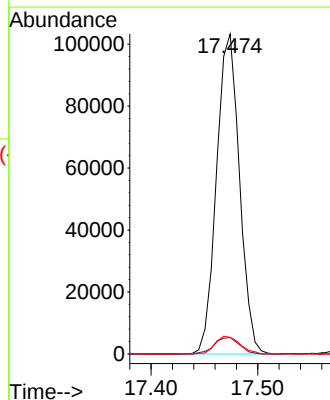
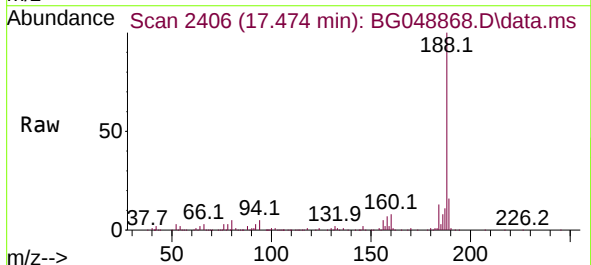
Instrument :
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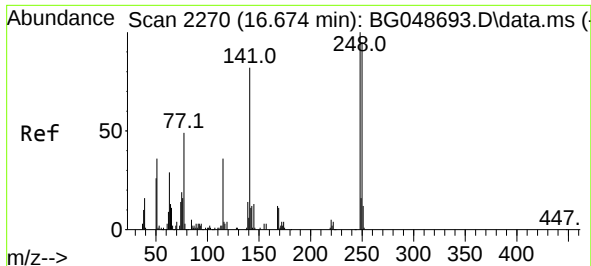
Tgt Ion:	165	Resp:	10133
Ion Ratio	Lower	Upper	
165	100		
63	5.4	48.0	72.0#
89	3.8	65.4	98.0#
182	0.0	2.0	3.0#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.474 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

Tgt Ion:	188	Resp:	154286
Ion Ratio	Lower	Upper	
188	100		
94	5.1	5.4	8.0#
80	5.2	3.7	5.5

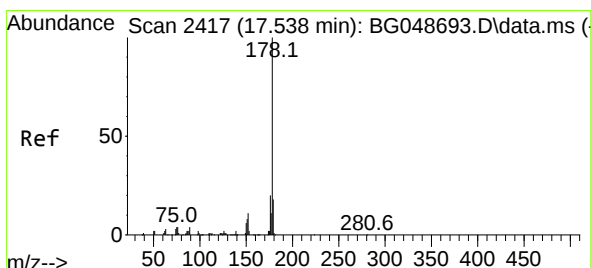
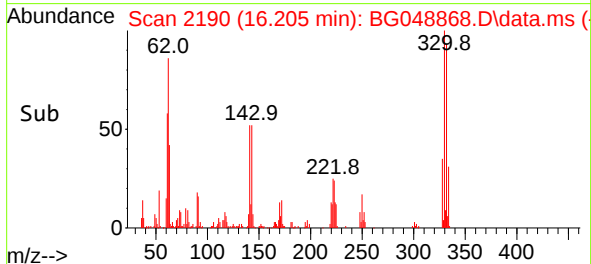
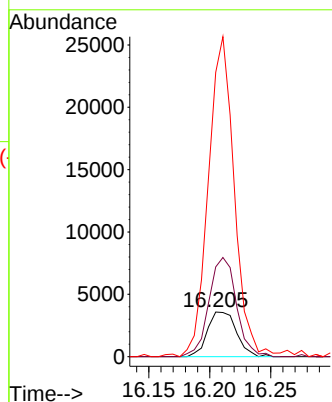
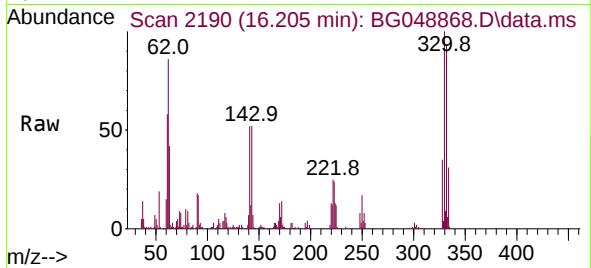




#67
4-Bromophenyl-phenylether
Concen: 3.35 ng
RT: 16.205 min Scan# 2190
Delta R.T. -0.458 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

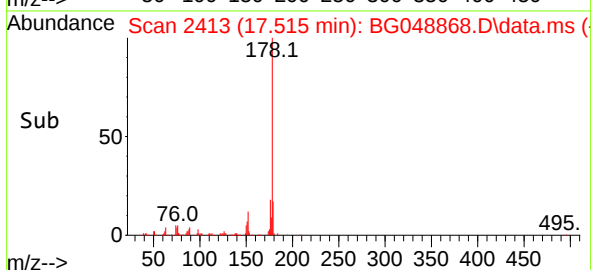
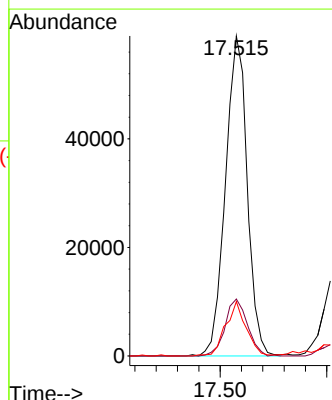
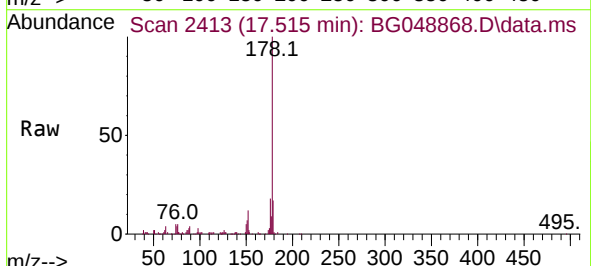
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-072-B

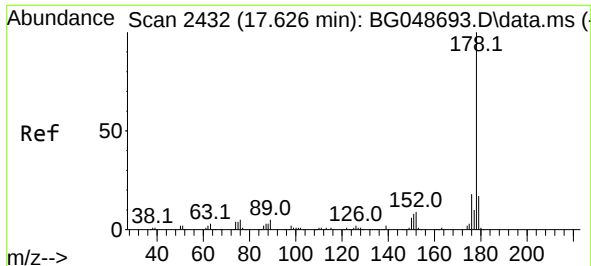
Tgt Ion:248 Resp: 5951
Ion Ratio Lower Upper
248 100
250 200.8 76.1 114.1#
141 636.6 65.4 98.2#



#71
Phenanthrene
Concen: 10.42 ng
RT: 17.515 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

Tgt Ion:178 Resp: 83467
Ion Ratio Lower Upper
178 100
176 17.8 16.0 24.0
179 17.0 14.2 21.4

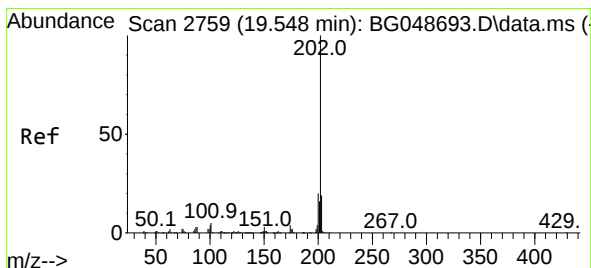
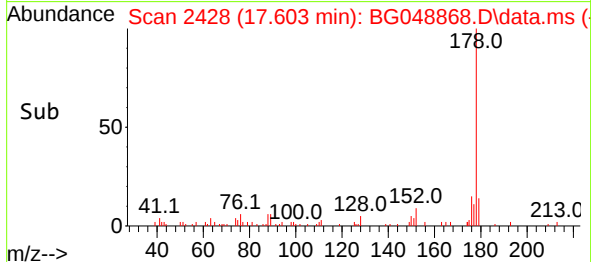
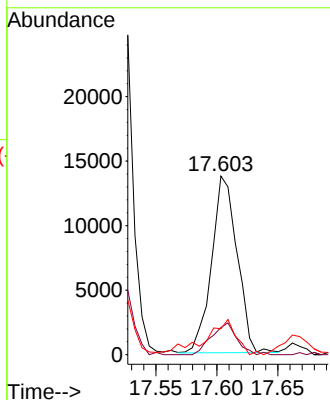
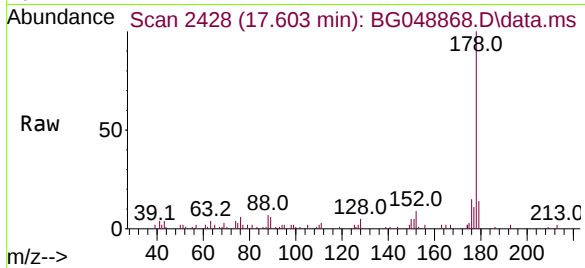




#72
 Anthracene
 Concen: 2.52 ng
 RT: 17.603 min Scan# 2428
 Delta R.T. -0.011 min
 Lab File: BG048868.D
 Acq: 23 Apr 2021 18:11

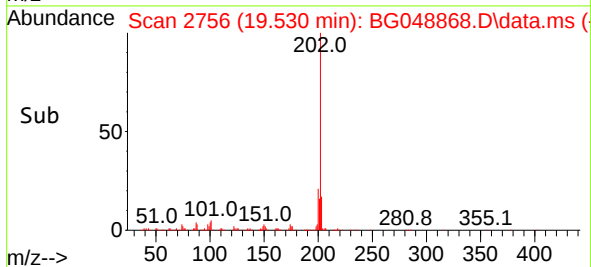
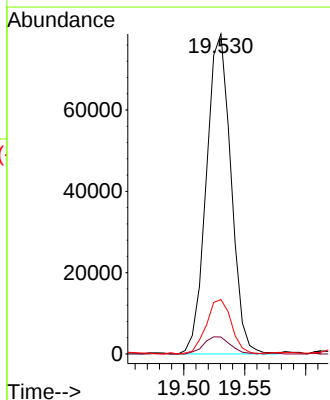
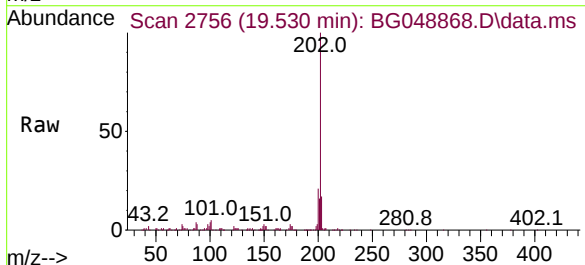
Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-072-B

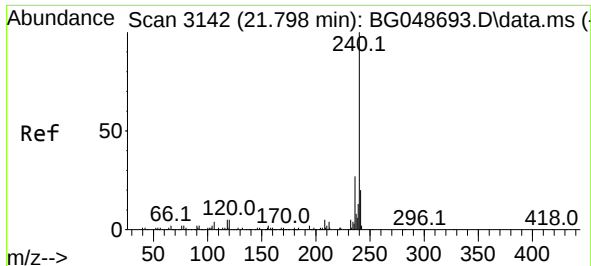
Tgt Ion:178 Resp: 19963
 Ion Ratio Lower Upper
 178 100
 176 15.2 14.6 21.8
 179 14.5 13.4 20.0



#75
 Fluoranthene
 Concen: 10.93 ng
 RT: 19.530 min Scan# 2756
 Delta R.T. -0.006 min
 Lab File: BG048868.D
 Acq: 23 Apr 2021 18:11

Tgt Ion:202 Resp: 110646
 Ion Ratio Lower Upper
 202 100
 101 5.3 0.0 24.7
 203 17.0 0.0 38.5

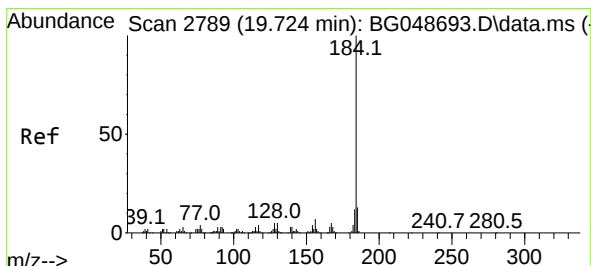
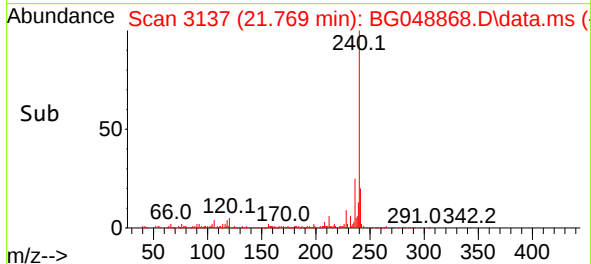
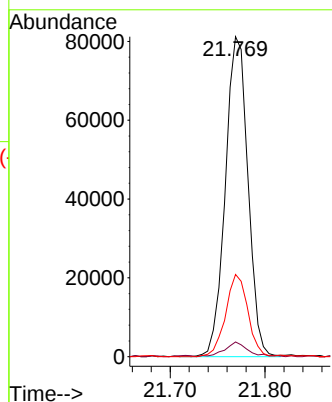
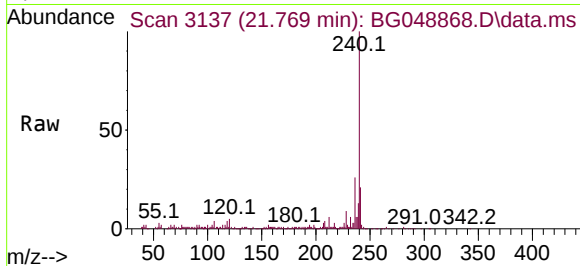




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.769 min Scan# 3137
Delta R.T. -0.011 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

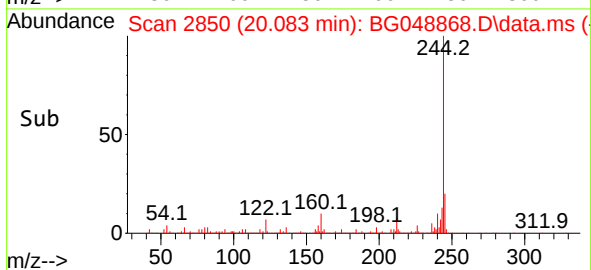
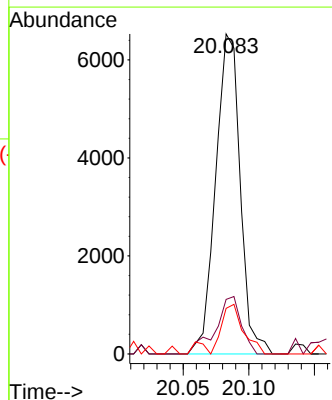
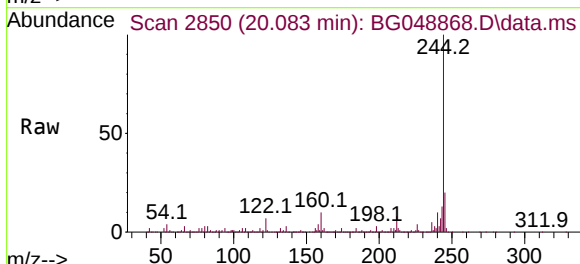
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-072-B

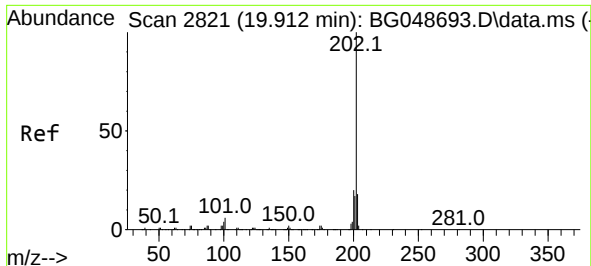
Tgt Ion:240	Resp:	134591
Ion Ratio	Lower	Upper
240	100	
120	4.6	4.2 6.2
236	25.7	21.8 32.6



#77
Benzidine
Concen: 2.32 ng
RT: 20.083 min Scan# 2850
Delta R.T. 0.370 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

Tgt Ion:184	Resp:	8472
Ion Ratio	Lower	Upper
184	100	
185	17.0	10.7 16.1#
183	14.3	9.4 14.0#

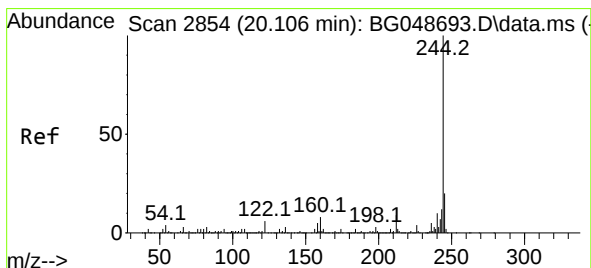
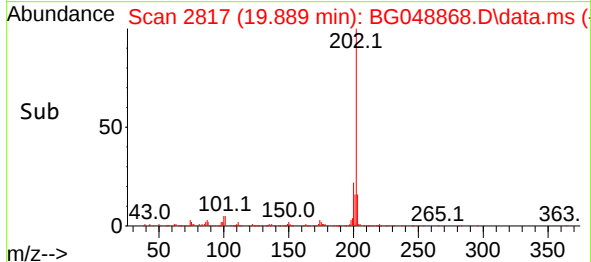
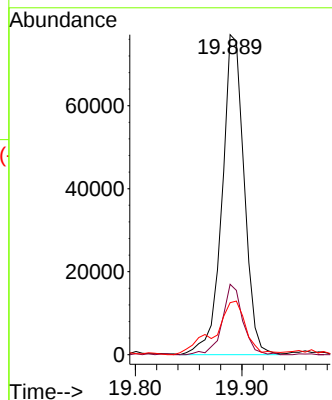
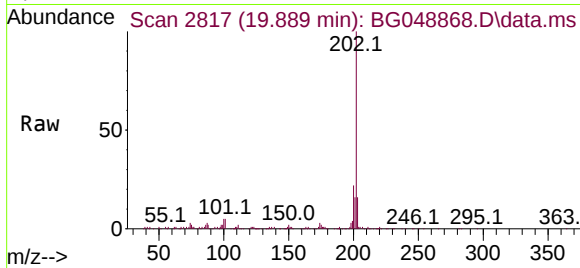




#78
Pyrene
Concen: 11.88 ng
RT: 19.889 min Scan# 2817
Delta R.T. -0.011 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

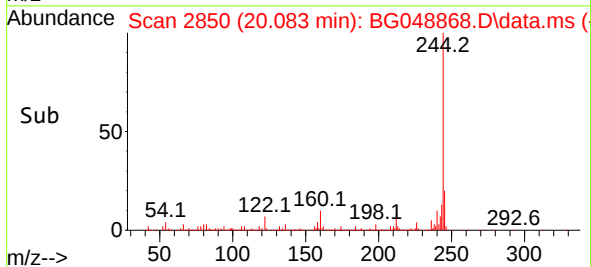
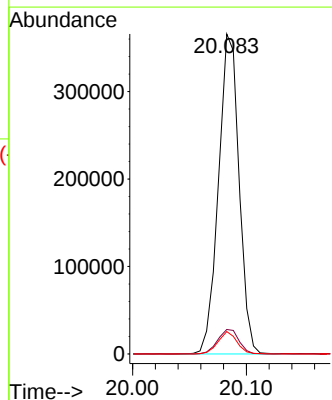
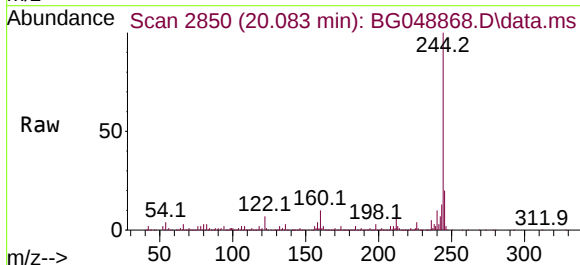
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-072-B

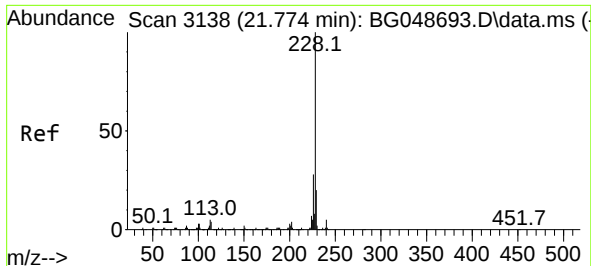
Tgt Ion:	202	Resp:	110664
Ion Ratio	Lower	Upper	
202	100		
200	22.0	15.8	23.8
203	16.2	14.6	21.8



#79
Terphenyl-d14
Concen: 58.91 ng
RT: 20.083 min Scan# 2850
Delta R.T. -0.011 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

Tgt Ion:	244	Resp:	460698
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.9	10.3
122	7.0	5.0	7.6

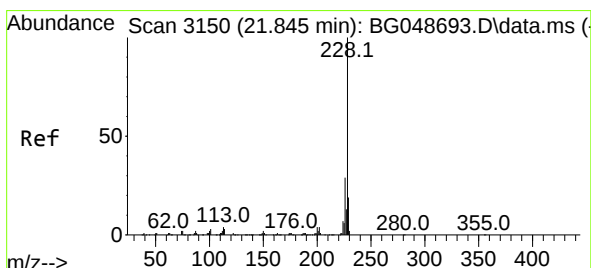
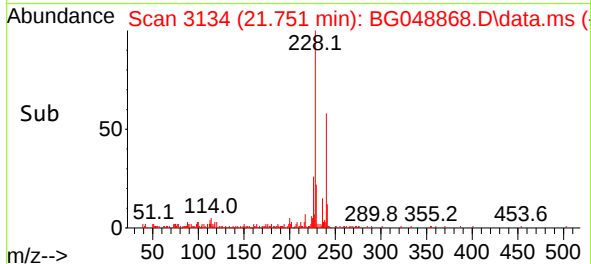
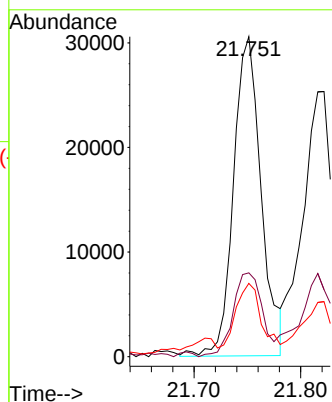
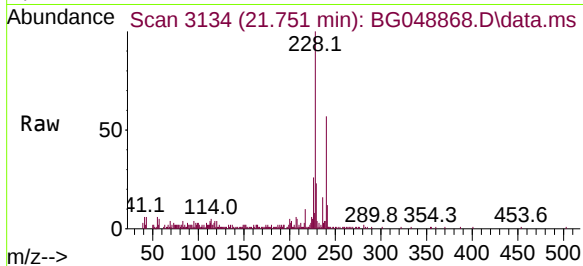




#81
Benzo(a)anthracene
Concen: 5.99 ng
RT: 21.751 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

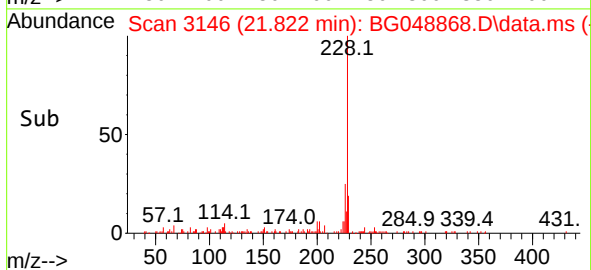
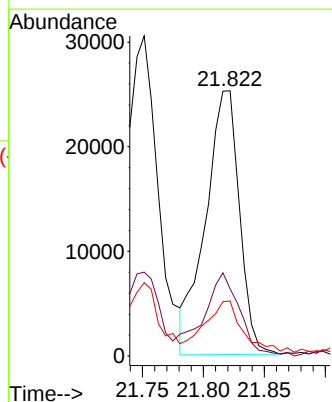
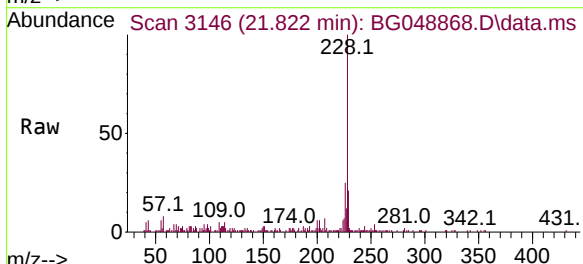
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-072-B

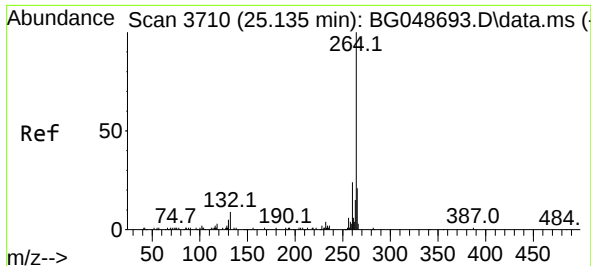
Tgt Ion:228 Resp: 55084
Ion Ratio Lower Upper
228 100
226 26.2 22.7 34.1
229 22.9 16.0 24.0



#83
Chrysene
Concen: 5.58 ng
RT: 21.822 min Scan# 3146
Delta R.T. -0.006 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

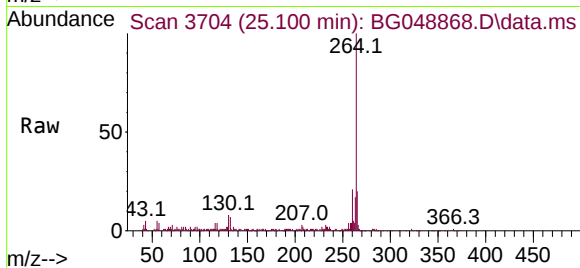
Tgt Ion:228 Resp: 48918
Ion Ratio Lower Upper
228 100
226 25.3 23.1 34.7
229 20.8 15.3 22.9





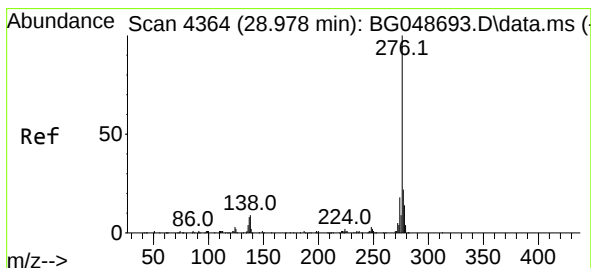
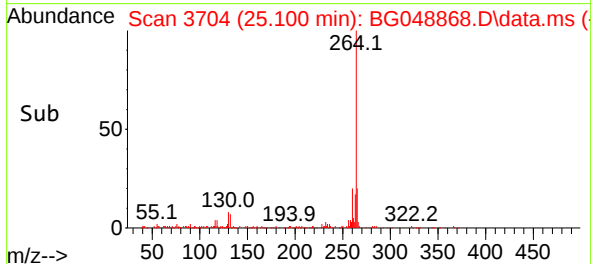
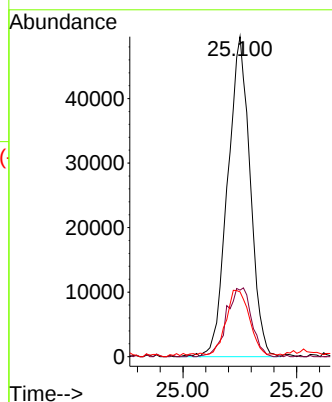
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.100 min Scan# 3704
Delta R.T. -0.011 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-072-B



Tgt Ion:264 Resp: 135984

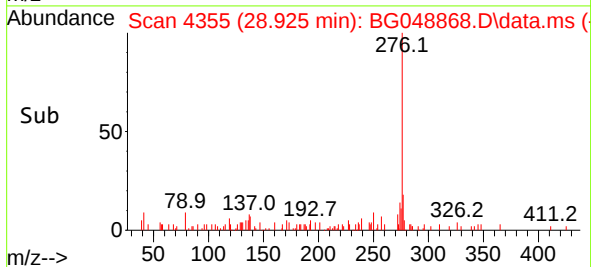
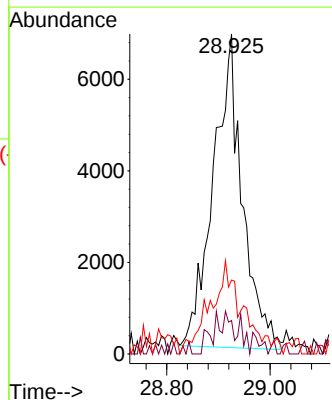
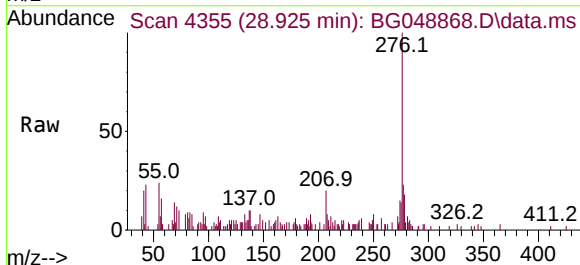
Ion	Ratio	Lower	Upper
264	100		
260	20.8	19.4	29.2
265	20.3	16.9	25.3

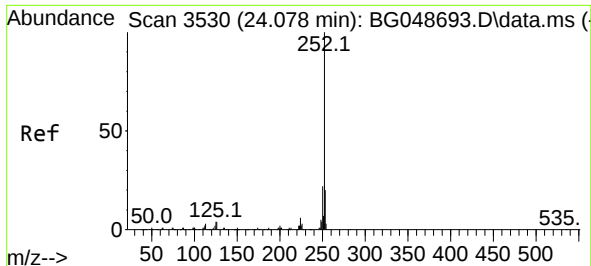


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.68 ng
RT: 28.925 min Scan# 4355
Delta R.T. -0.011 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

Tgt Ion:276 Resp: 26721

Ion	Ratio	Lower	Upper
276	100		
138	3.5	5.1	7.7#
277	25.3	19.8	29.6

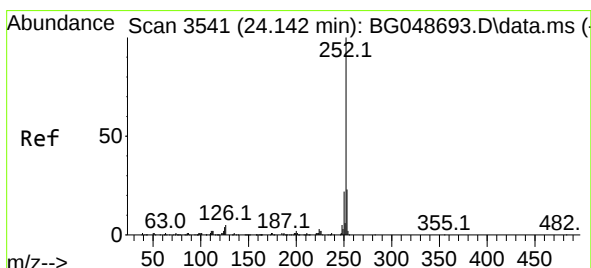
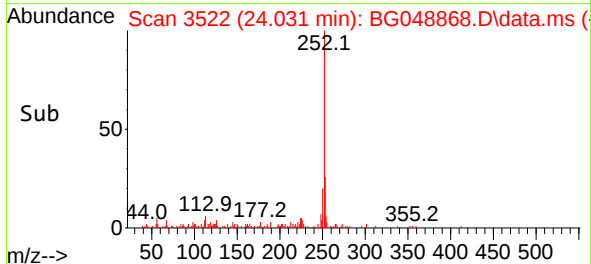
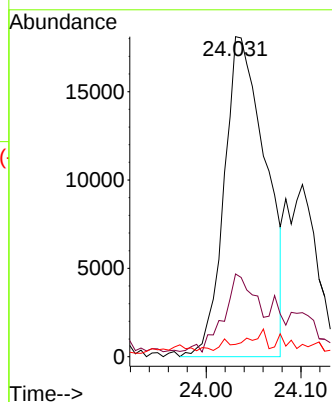
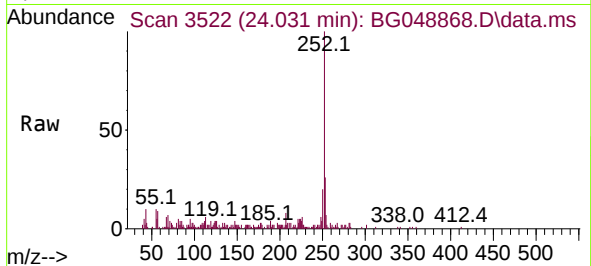




#88
Benzo(b)fluoranthene
Concen: 5.97 ng
RT: 24.031 min Scan# 3522
Delta R.T. -0.017 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

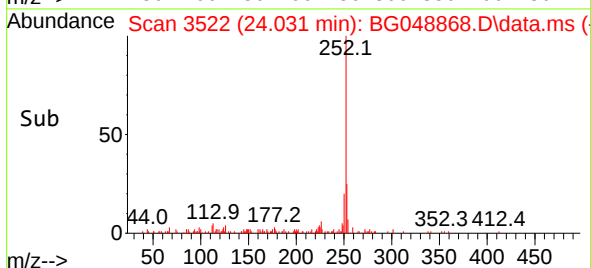
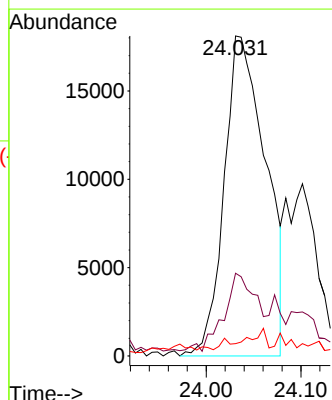
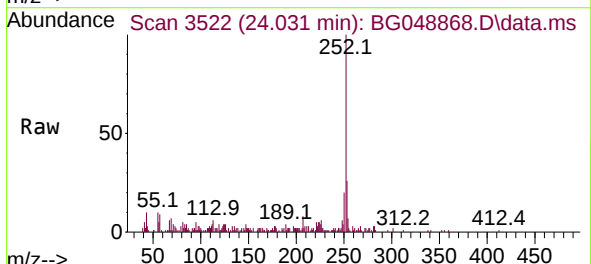
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-072-B

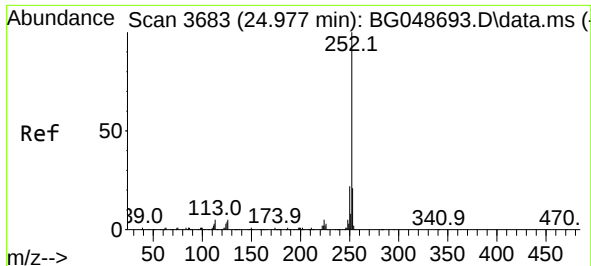
Tgt Ion:252 Resp: 55062
Ion Ratio Lower Upper
252 100
253 25.9 16.2 24.4#
125 3.8 3.0 4.4



#89
Benzo(k)fluoranthene
Concen: 6.35 ng
RT: 24.031 min Scan# 3522
Delta R.T. -0.088 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

Tgt Ion:252 Resp: 55062
Ion Ratio Lower Upper
252 100
253 25.9 18.0 27.0
125 3.8 3.1 4.7

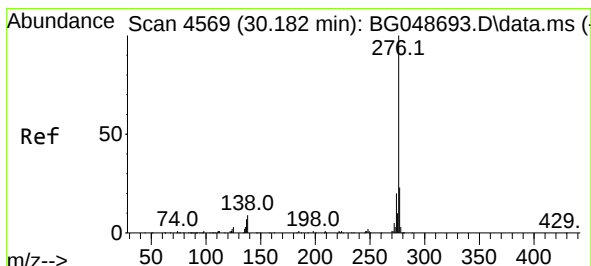
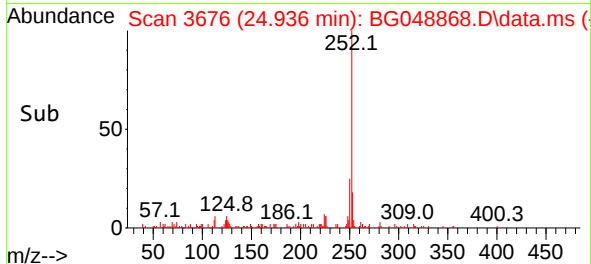
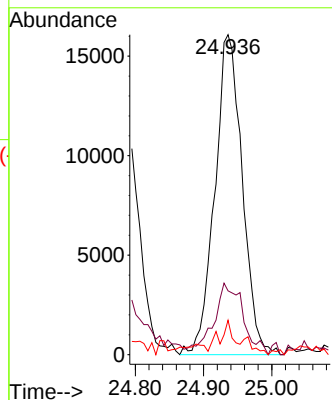
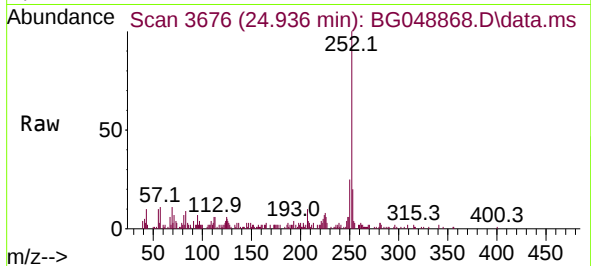




#90
Benzo(a)pyrene
Concen: 5.29 ng
RT: 24.936 min Scan# 3676
Delta R.T. -0.017 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-072-B

Tgt Ion:252 Resp: 44990
Ion Ratio Lower Upper
252 100
253 19.9 16.6 25.0
125 10.7 3.5 5.3#



#92
Benzo(g,h,i)perylene
Concen: 3.20 ng
RT: 30.118 min Scan# 4558
Delta R.T. -0.011 min
Lab File: BG048868.D
Acq: 23 Apr 2021 18:11

Tgt Ion:276 Resp: 27021
Ion Ratio Lower Upper
276 100
277 18.6 18.4 27.6
138 7.0 7.0 10.6#

