

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031721\
 Data File : BG048407.D
 Acq On : 17 Mar 2021 21:10
 Operator : CG/JU
 Sample : M1692-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-069-B

Quant Time: Mar 18 00:20:02 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 16 16:05:10 2021
 Response via : Initial Calibration

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

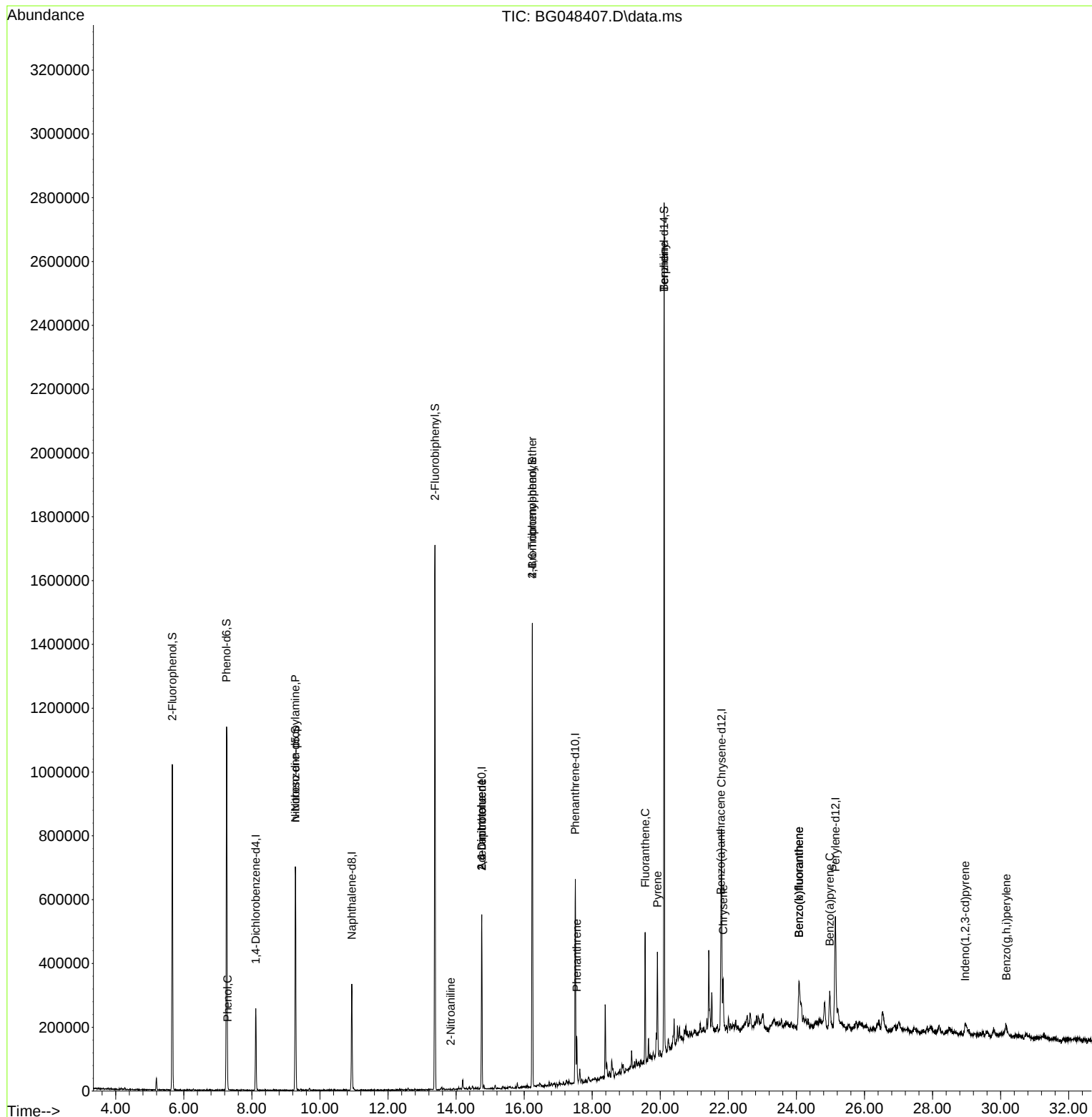
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.116	152	65801	20.00	ng	0.00
21) Naphthalene-d8	10.936	136	254230	20.00	ng	0.00
39) Acenaphthene-d10	14.755	164	185945	20.00	ng	0.00
64) Phenanthrene-d10	17.505	188	402825	20.00	ng	# 0.00
76) Chrysene-d12	21.800	240	377588	20.00	ng	# 0.00
86) Perylene-d12	25.143	264	389907	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.666	112	394959	103.10	ng	0.00
7) Phenol-d6	7.258	99	563288	99.80	ng	0.00
23) Nitrobenzene-d5	9.279	82	427279	74.68	ng	0.00
42) 2,4,6-Tribromophenol	16.241	330	273487	114.96	ng	0.00
45) 2-Fluorobiphenyl	13.380	172	839756	63.65	ng	0.00
79) Terphenyl-d14	20.113	244	1195926	61.21	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.264	77	1828	Below Cal	#	1
10) Phenol	7.287	94	12990	2.26	ng	# 40
19) n-Nitroso-di-n-propyla...	9.279	70	65140	14.98	ng	# 76
48) 2-Nitroaniline	13.844	65	65	3.49	ng	# 1
51) 2,6-Dinitrotoluene	14.755	165	26297	9.67	ng	# 36
57) 2,4-Dinitrotoluene	14.755	165	26297	8.15	ng	# 34
67) 4-Bromophenyl-phenylether	16.241	248	17348	3.58	ng	# 1
71) Phenanthrene	17.546	178	93338	4.40	ng	93
75) Fluoranthene	19.555	202	243428	8.65	ng	95
77) Benzidine	20.113	184	21953	2.24	ng	98
78) Pyrene	19.914	202	223861	8.90	ng	97
81) Benzo(a)anthracene	21.776	228	143649	5.49	ng	99
83) Chrysene	21.847	228	134064	5.37	ng	99
87) Indeno(1,2,3-cd)pyrene	28.956	276	86779	2.90	ng	# 57
88) Benzo(b)fluoranthene	24.079	252	182585	6.72	ng	# 95
89) Benzo(k)fluoranthene	24.079	252	182585	7.00	ng	# 95
90) Benzo(a)pyrene	24.978	252	137990	5.51	ng	# 96
92) Benzo(g,h,i)perylene	30.166	276	73120	2.95	ng	# 90

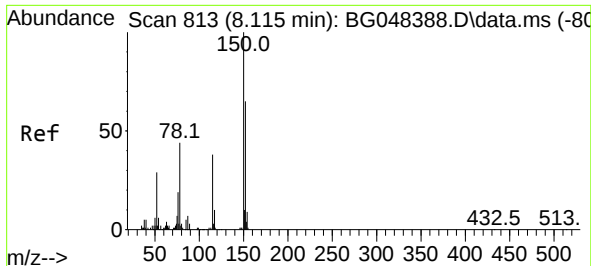
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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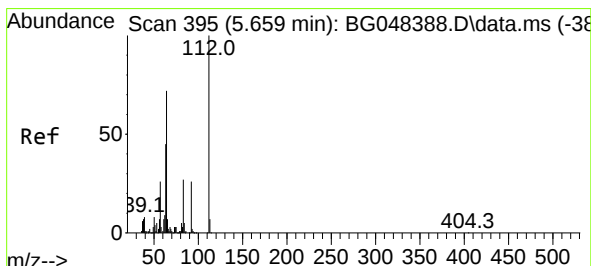
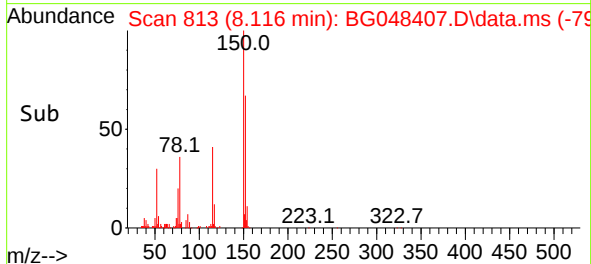
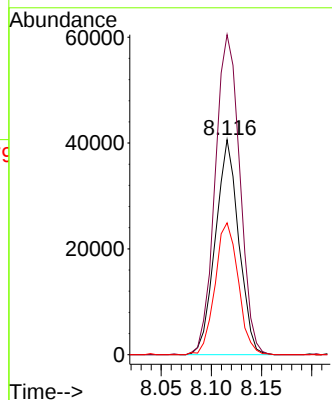
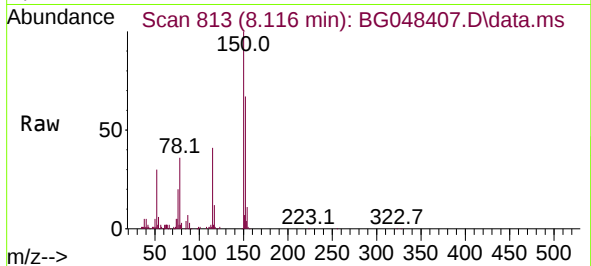




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.116 min Scan# 813
Delta R.T. 0.001 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

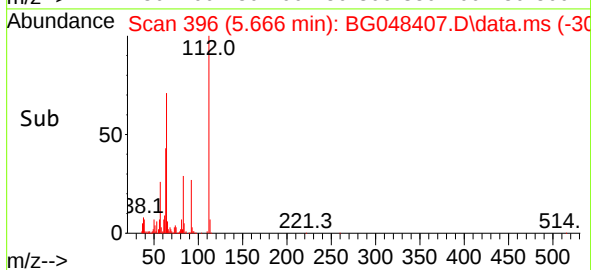
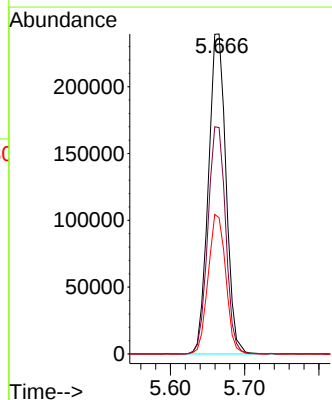
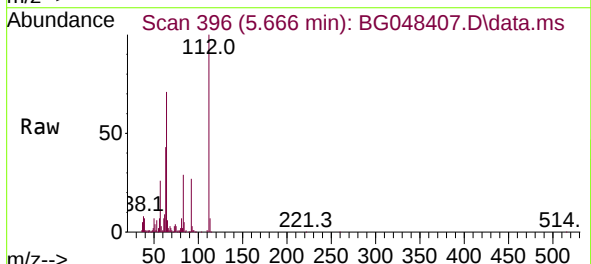
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-069-B

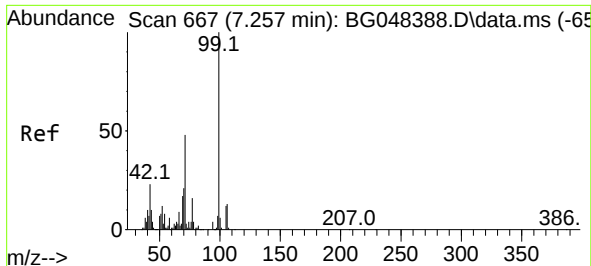
Tgt Ion:152 Resp: 65801
Ion Ratio Lower Upper
152 100
150 148.8 125.0 187.6
115 61.3 41.8 62.6



#5
2-Fluorophenol
Concen: 103.10 ng
RT: 5.666 min Scan# 396
Delta R.T. 0.006 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

Tgt Ion:112 Resp: 394959
Ion Ratio Lower Upper
112 100
64 70.7 46.7 70.1#
63 42.5 22.8 34.2#

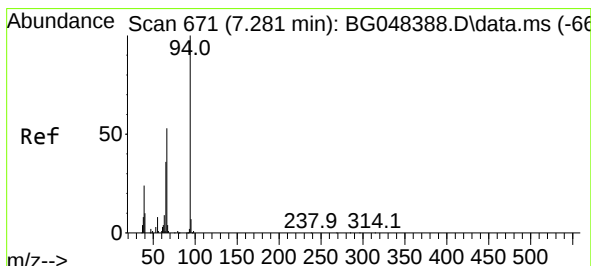
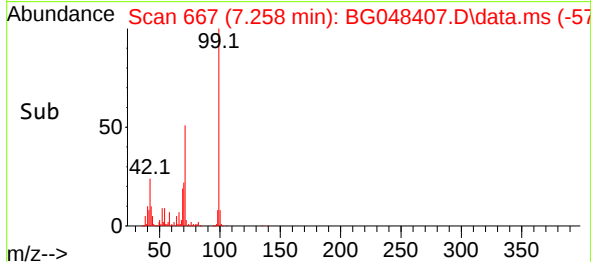
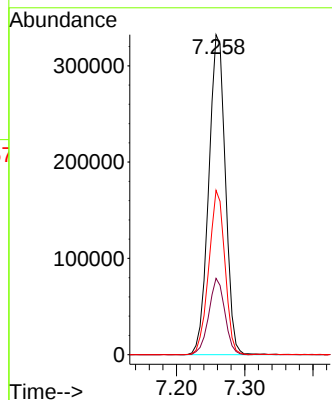
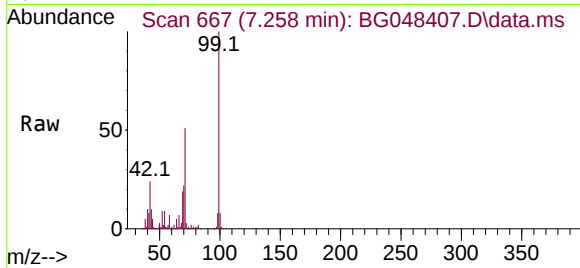




#7
Phenol-d6
Concen: 99.80 ng
RT: 7.258 min Scan# 667
Delta R.T. 0.000 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

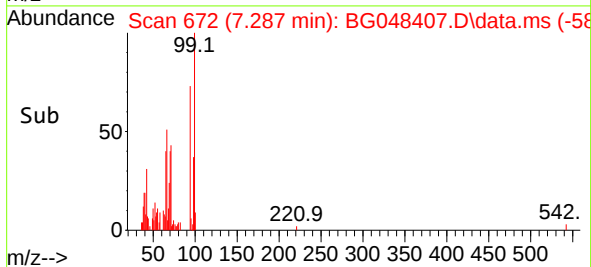
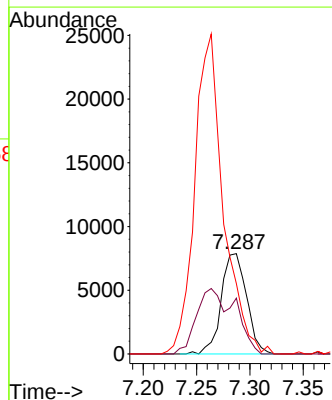
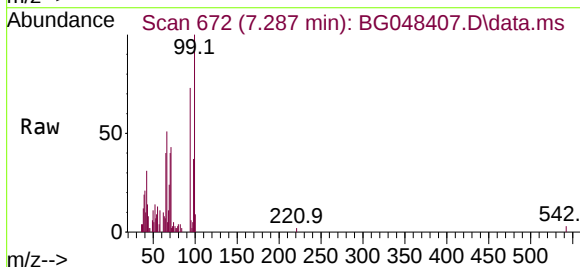
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-069-B

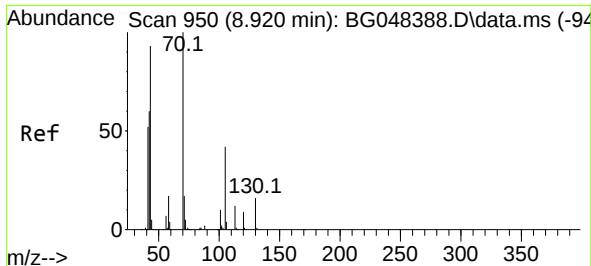
Tgt Ion: 99 Resp: 563288
Ion Ratio Lower Upper
99 100
42 23.8 12.8 19.2#
71 51.4 24.6 36.8#



#10
Phenol
Concen: 2.26 ng
RT: 7.287 min Scan# 672
Delta R.T. 0.006 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

Tgt Ion: 94 Resp: 12990
Ion Ratio Lower Upper
94 100
65 55.7 6.6 46.6#
66 70.1 13.9 53.9#

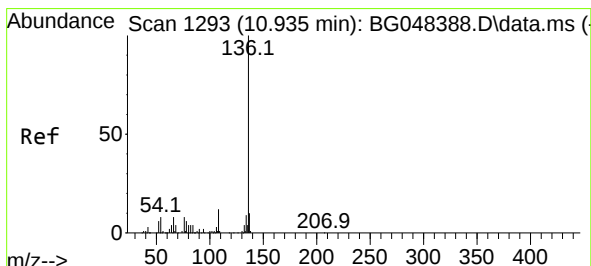
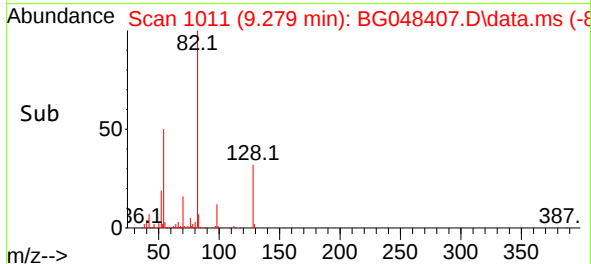
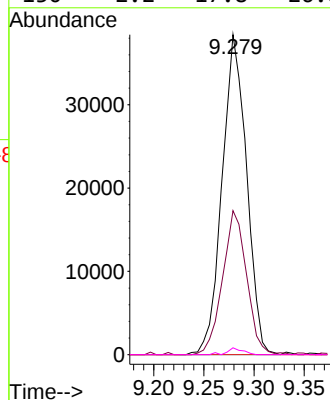
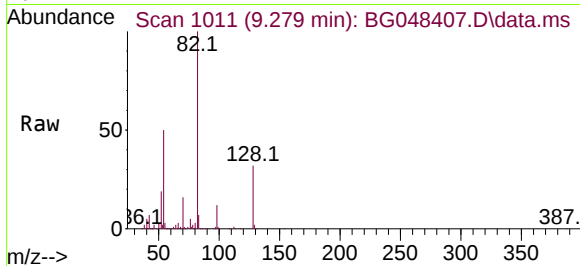




#19
n-Nitroso-di-n-propylamine
Concen: 14.98 ng
RT: 9.279 min Scan# 1011
Delta R.T. 0.359 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

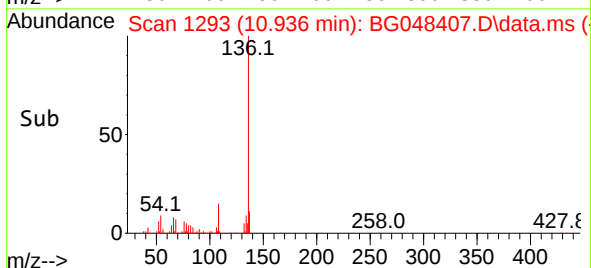
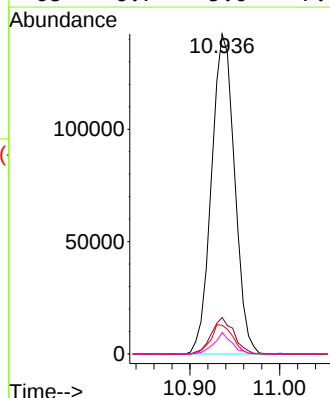
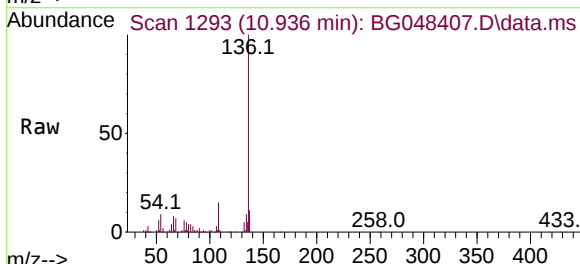
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-069-B

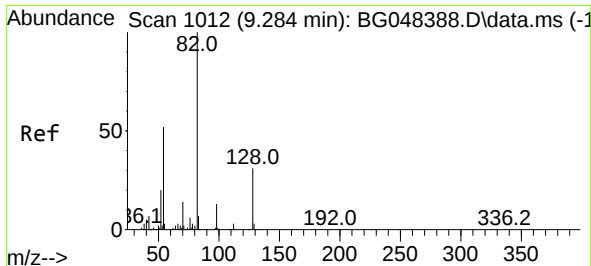
Tgt Ion: 70	Resp: 65140
Ion Ratio	Lower Upper
70 100	
42 45.0	45.6 68.4#
101 0.0	8.4 12.6#
130 2.2	17.8 26.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.936 min Scan# 1293
Delta R.T. 0.001 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

Tgt Ion: 136	Resp: 254230
Ion Ratio	Lower Upper
136 100	
137 11.4	9.1 13.7
54 8.9	6.2 9.4
68 6.7	5.0 7.4





#23

Nitrobenzene-d5

Concen: 74.68 ng

RT: 9.279 min Scan# 1011

Delta R.T. -0.005 min

Lab File: BG048407.D

Acq: 17 Mar 2021 21:10

Tgt Ion: 82 Resp: 427279

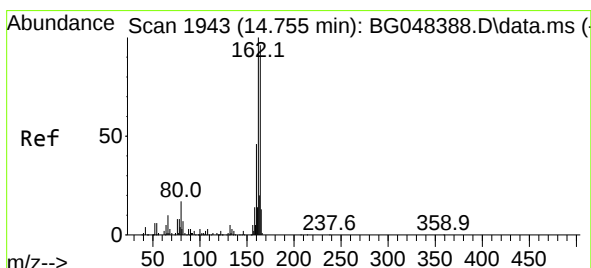
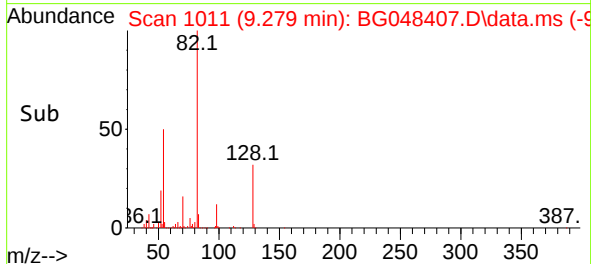
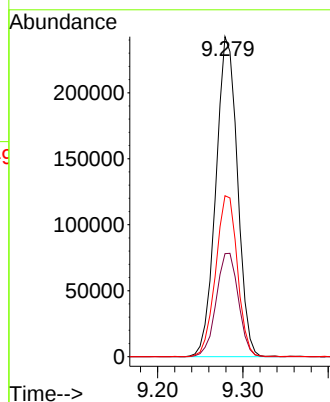
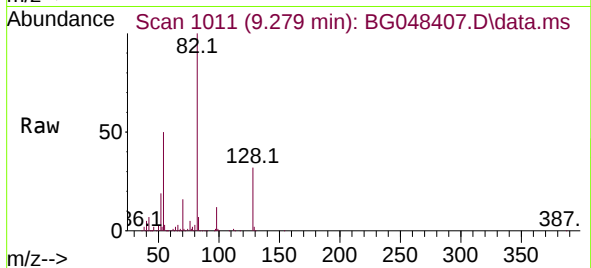
Ion	Ratio	Lower	Upper
82	100		
128	32.2	37.0	55.6#
54	50.3	39.0	58.4

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-069-B



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.755 min Scan# 1943

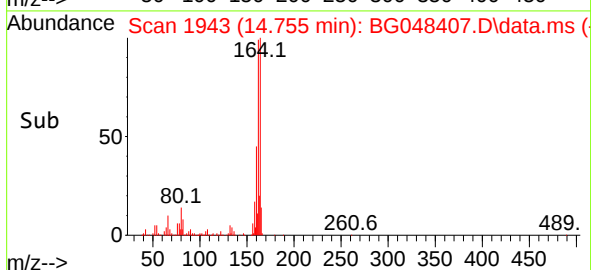
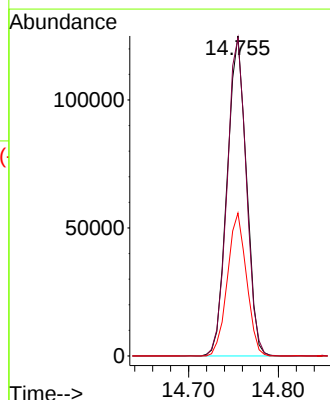
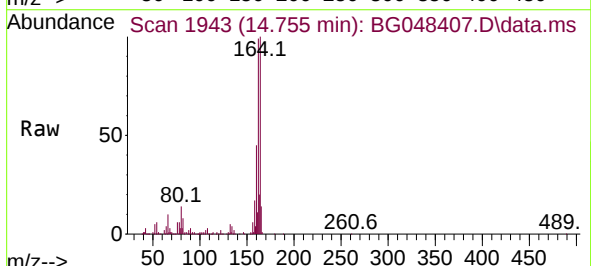
Delta R.T. -0.000 min

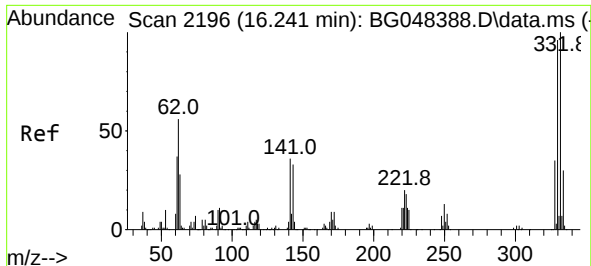
Lab File: BG048407.D

Acq: 17 Mar 2021 21:10

Tgt Ion:164 Resp: 185945

Ion	Ratio	Lower	Upper
164	100		
162	99.4	82.3	123.5
160	44.6	35.3	52.9

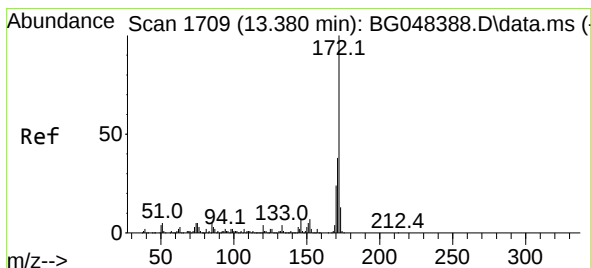
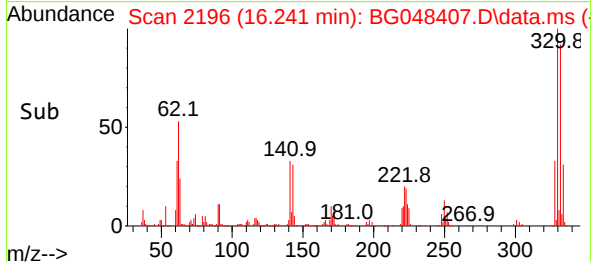
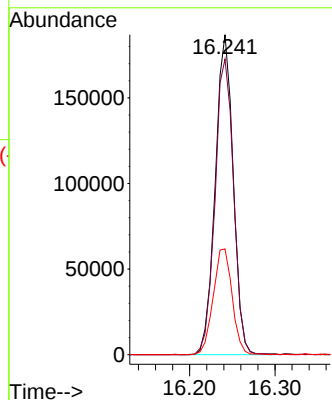
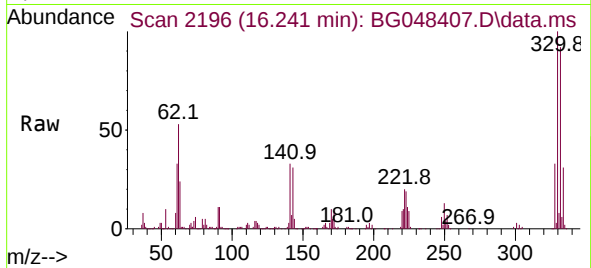




#42
2,4,6-Tribromophenol
Concen: 114.96 ng
RT: 16.241 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

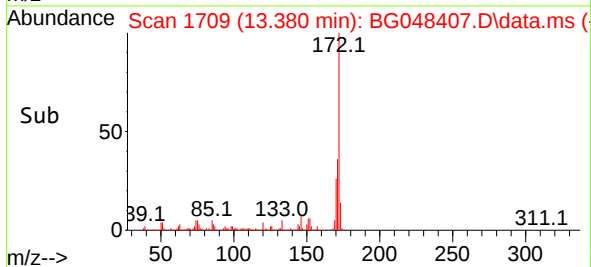
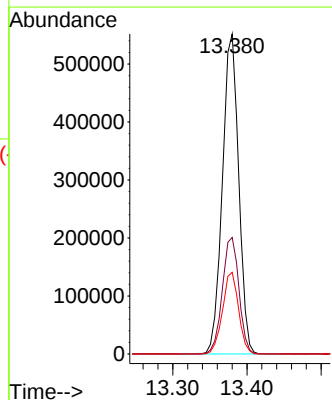
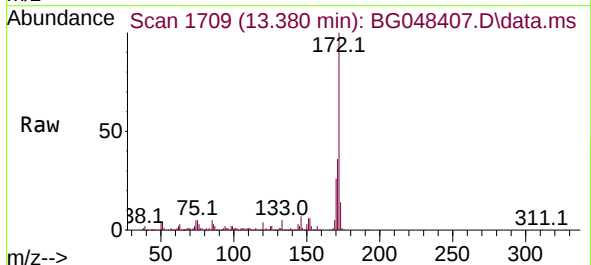
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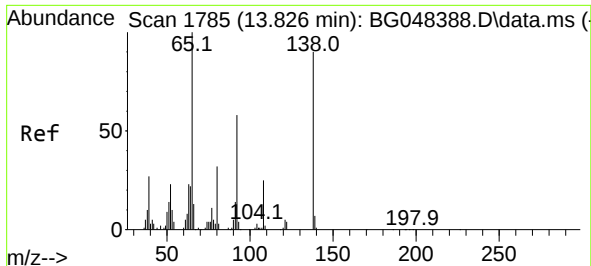
Tgt Ion:330 Resp: 273487
Ion Ratio Lower Upper
330 100
332 95.3 76.5 114.7
141 34.9 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 63.65 ng
RT: 13.380 min Scan# 1709
Delta R.T. 0.000 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

Tgt Ion:172 Resp: 839756
Ion Ratio Lower Upper
172 100
171 36.4 31.3 46.9
170 25.5 20.8 31.2

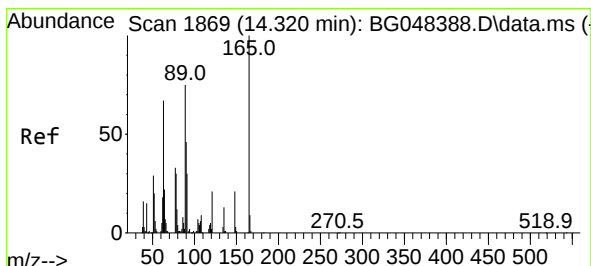
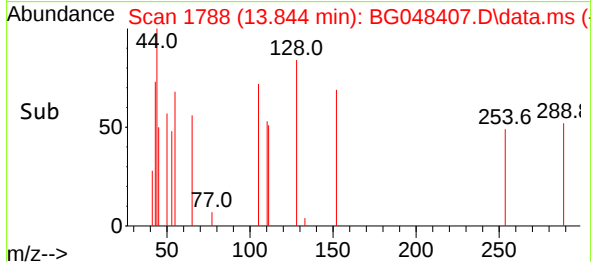
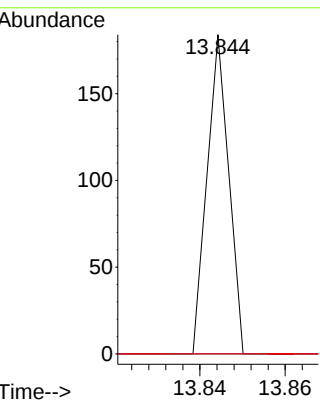
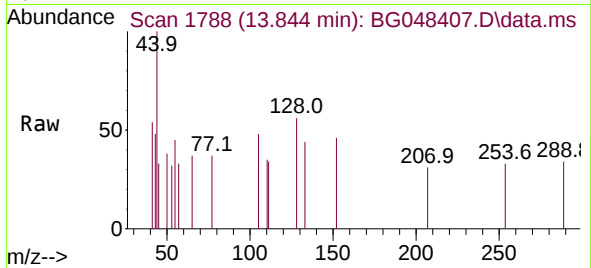




#48
2-Nitroaniline
Concen: 3.49 ng
RT: 13.844 min Scan# 1788
Delta R.T. 0.018 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

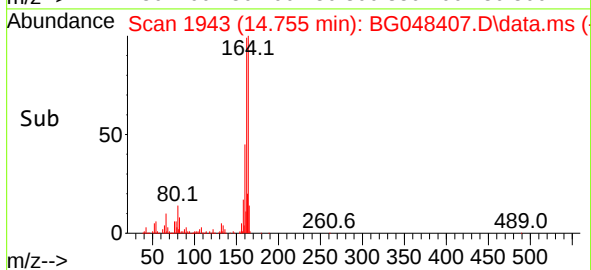
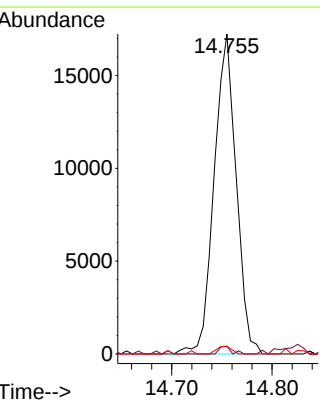
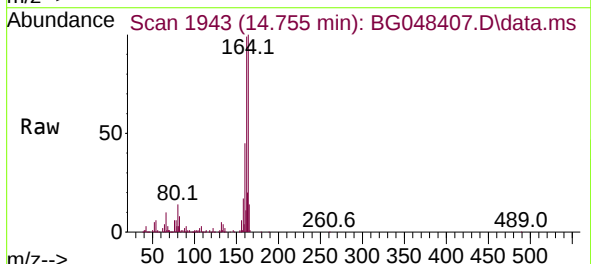
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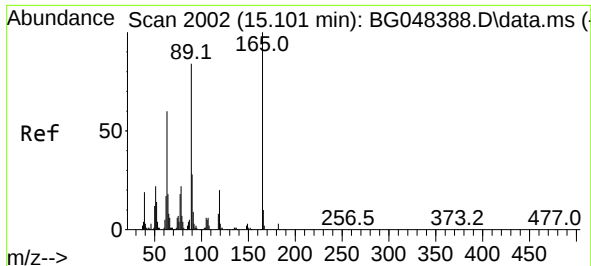
Tgt Ion: 65 Resp: 65
Ion Ratio Lower Upper
65 100
92 0.0 58.6 88.0#
138 0.0 98.2 147.4#



#51
2,6-Dinitrotoluene
Concen: 9.67 ng
RT: 14.755 min Scan# 1943
Delta R.T. 0.435 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

Tgt Ion:165 Resp: 26297
Ion Ratio Lower Upper
165 100
63 2.4 33.7 50.5#
89 2.4 36.6 54.8#

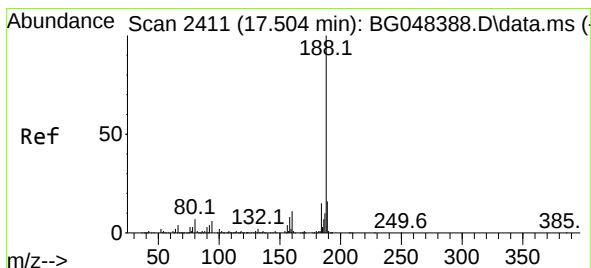
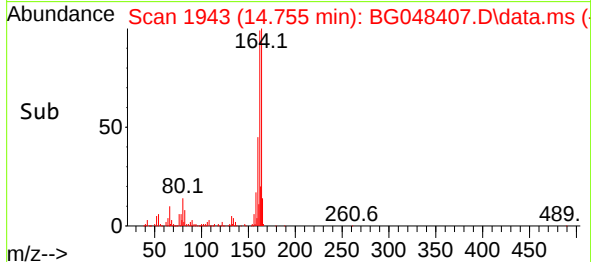
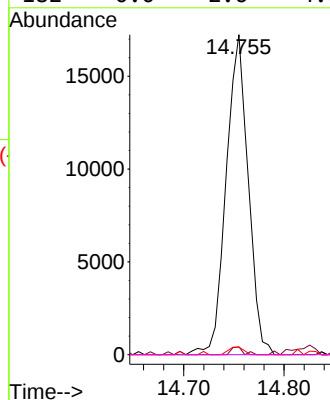
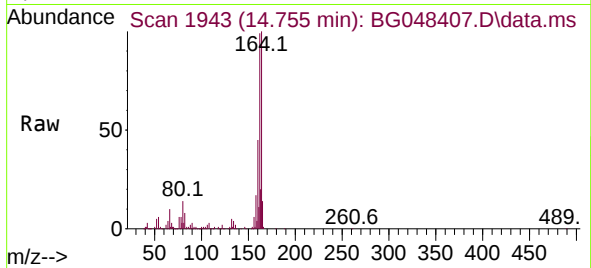




#57
2,4-Dinitrotoluene
Concen: 8.15 ng
RT: 14.755 min Scan# 1943
Delta R.T. -0.346 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

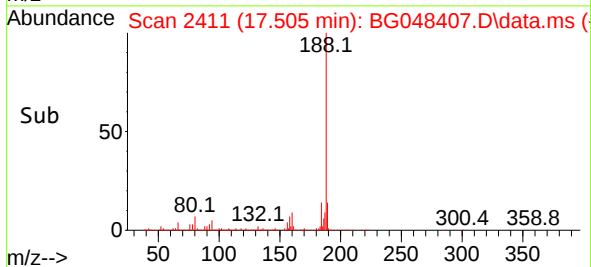
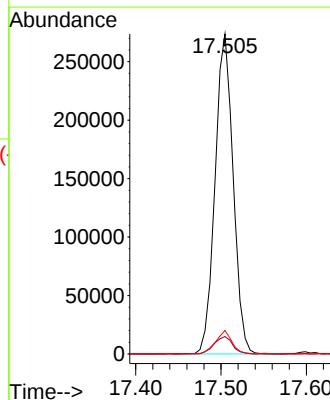
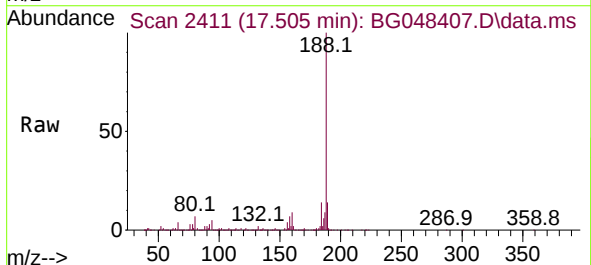
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-069-B

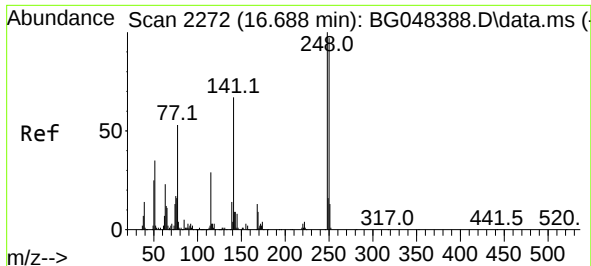
Tgt Ion:165 Resp: 26297
Ion Ratio Lower Upper
165 100
63 2.4 26.4 39.6#
89 2.4 47.8 71.8#
182 0.0 2.6 4.0#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.505 min Scan# 2411
Delta R.T. 0.001 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

Tgt Ion:188 Resp: 402825
Ion Ratio Lower Upper
188 100
94 5.4 6.3 9.5#
80 7.3 7.0 10.6

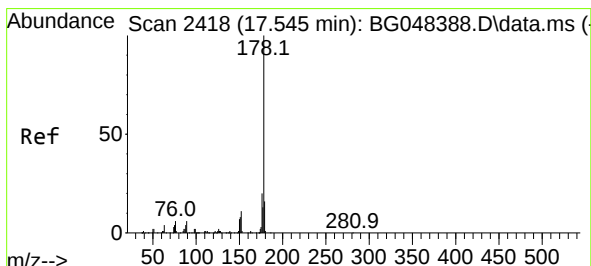
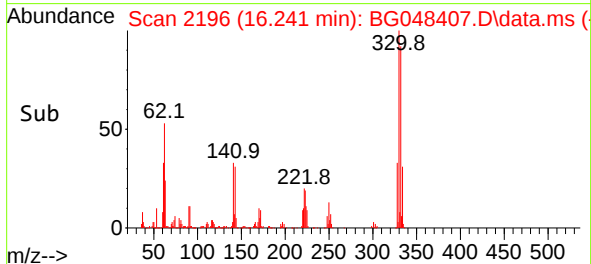
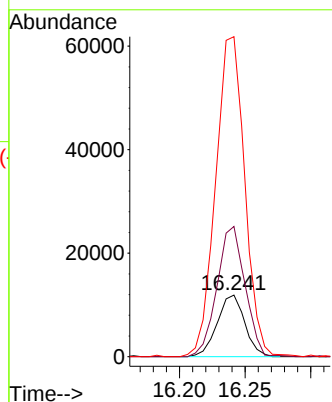
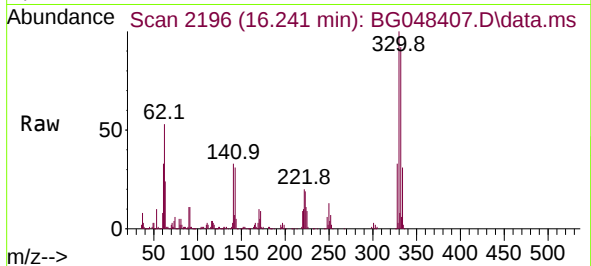




#67
4-Bromophenyl-phenylether
Concen: 3.58 ng
RT: 16.241 min Scan# 2196
Delta R.T. -0.446 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

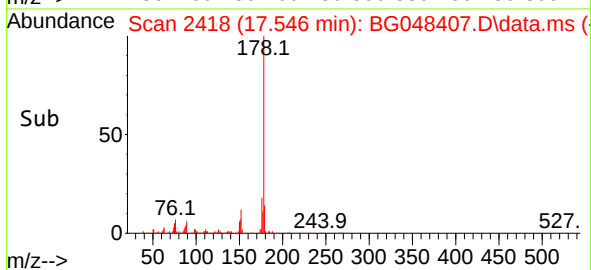
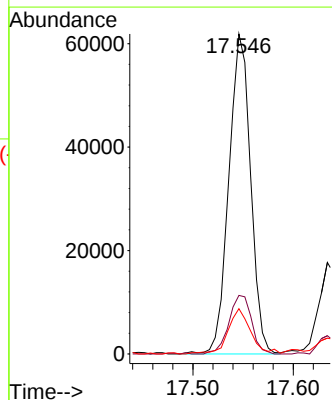
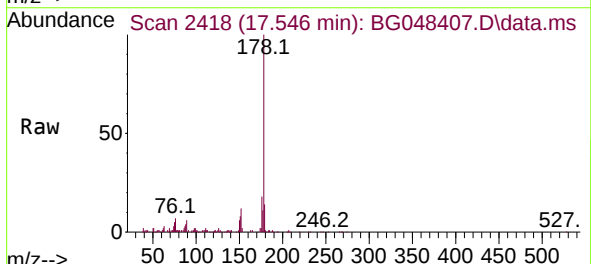
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-069-B

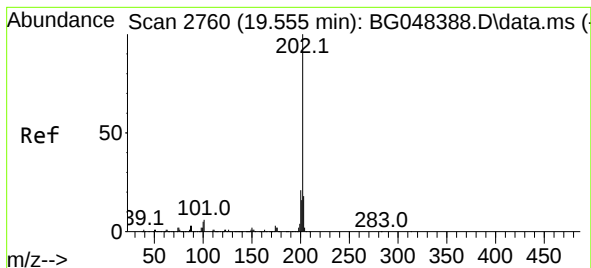
Tgt Ion	Ratio	Lower	Upper
248	100		
250	211.7	78.9	118.3#
141	520.0	46.2	69.4#



#71
Phenanthrene
Concen: 4.40 ng
RT: 17.546 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.7	25.1
179	14.1	14.0	21.0

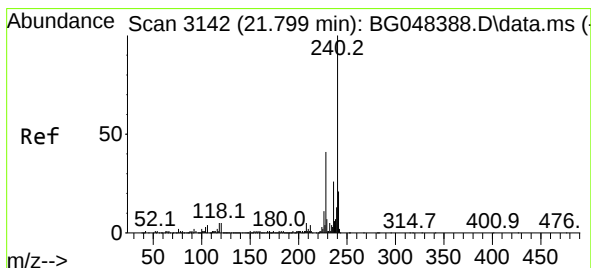
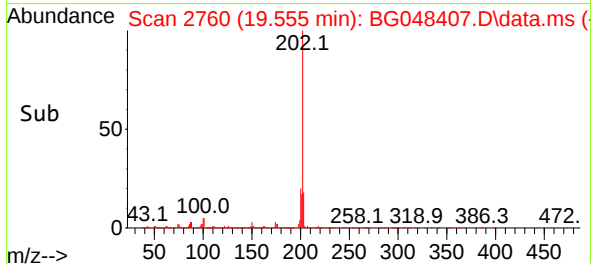
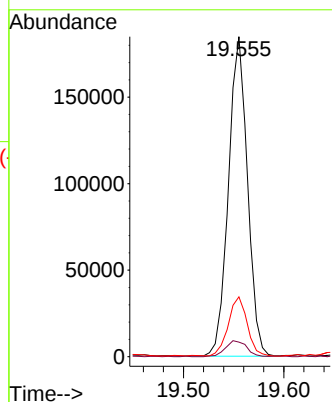
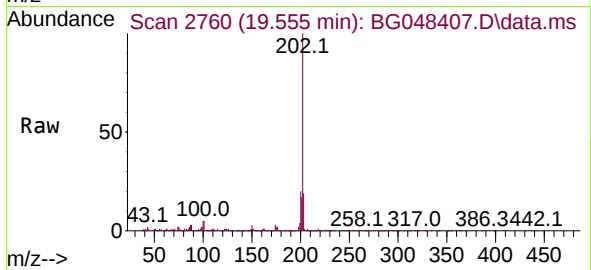




#75
Fluoranthene
Concen: 8.65 ng
RT: 19.555 min Scan# 2760
Delta R.T. 0.000 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

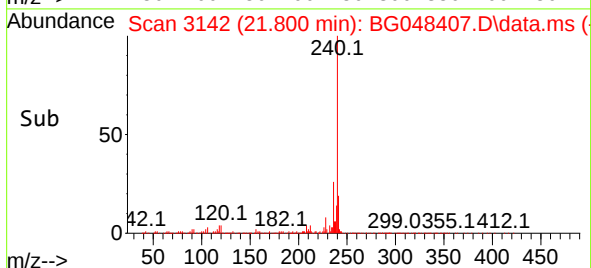
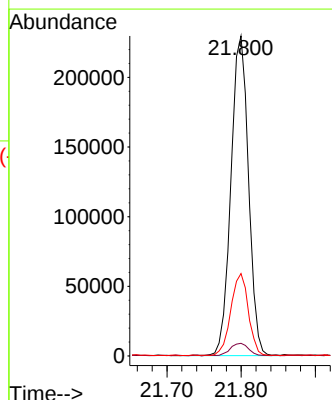
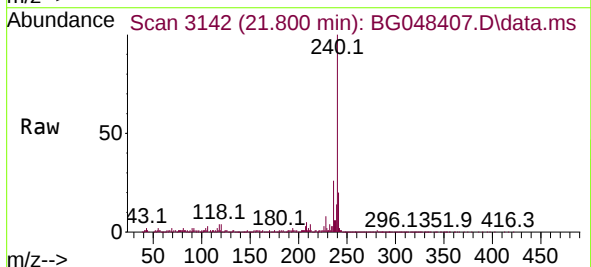
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-069-B

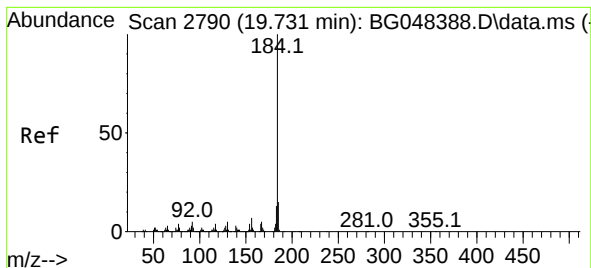
Tgt Ion:202 Resp: 243428
Ion Ratio Lower Upper
202 100
101 4.6 0.0 29.7
203 18.7 0.0 39.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.800 min Scan# 3142
Delta R.T. 0.001 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

Tgt Ion:240 Resp: 377588
Ion Ratio Lower Upper
240 100
120 3.9 6.2 9.4#
236 25.8 20.5 30.7





#77

Benzidine

Concen: 2.24 ng

RT: 20.113 min Scan# 2855

Delta R.T. 0.382 min

Lab File: BG048407.D

Acq: 17 Mar 2021 21:10

Tgt Ion:184 Resp: 21953

Ion Ratio Lower Upper

184 100

185 16.8 12.4 18.6

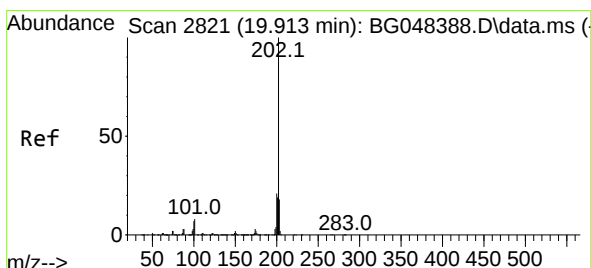
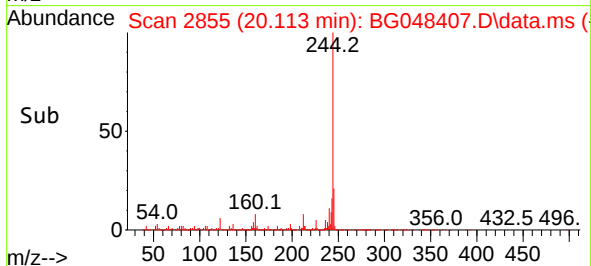
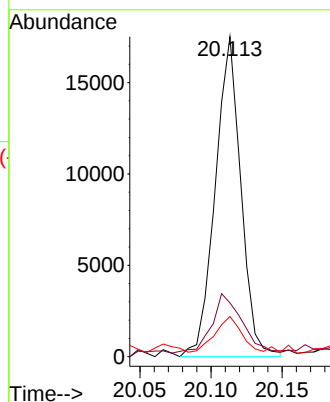
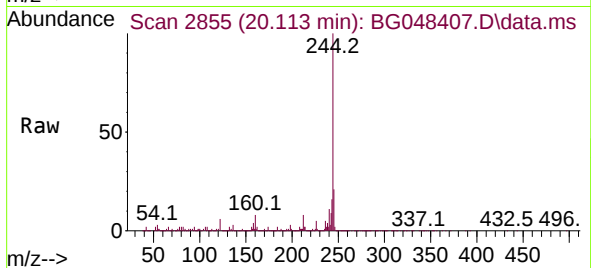
183 12.6 10.6 15.8

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-069-B



#78

Pyrene

Concen: 8.90 ng

RT: 19.914 min Scan# 2821

Delta R.T. 0.000 min

Lab File: BG048407.D

Acq: 17 Mar 2021 21:10

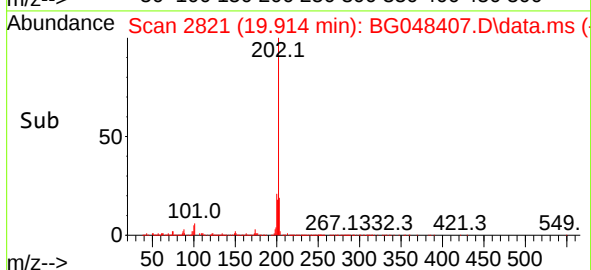
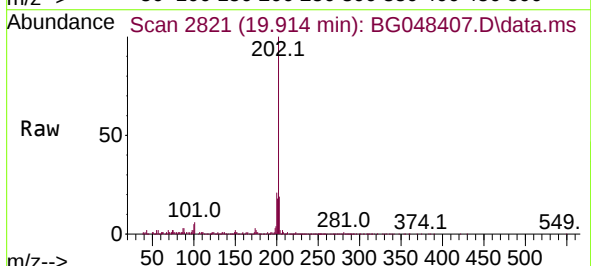
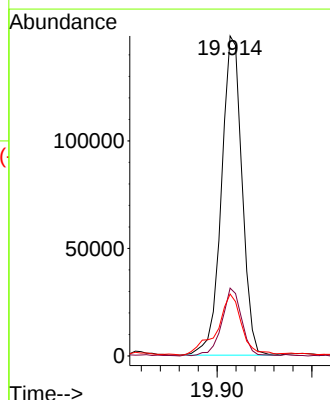
Tgt Ion:202 Resp: 223861

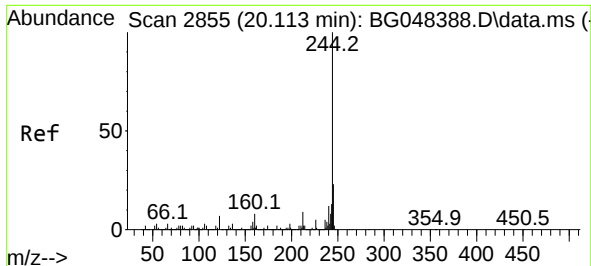
Ion Ratio Lower Upper

202 100

200 21.2 18.6 27.8

203 19.4 15.3 22.9

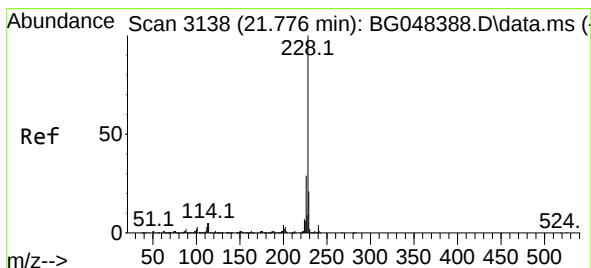
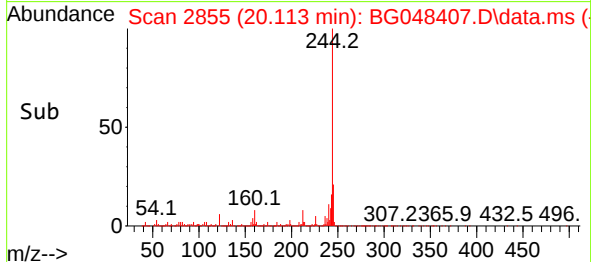
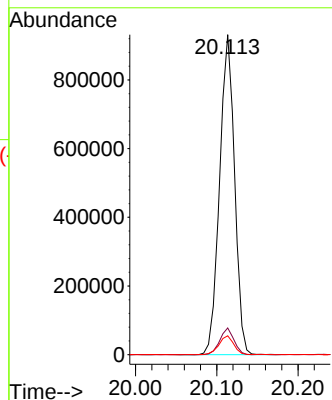
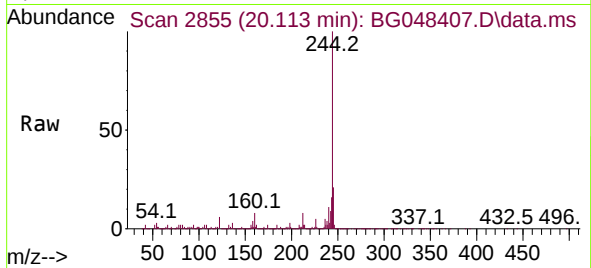




#79
 Terphenyl-d14
 Concen: 61.21 ng
 RT: 20.113 min Scan# 2855
 Delta R.T. 0.000 min
 Lab File: BG048407.D
 Acq: 17 Mar 2021 21:10

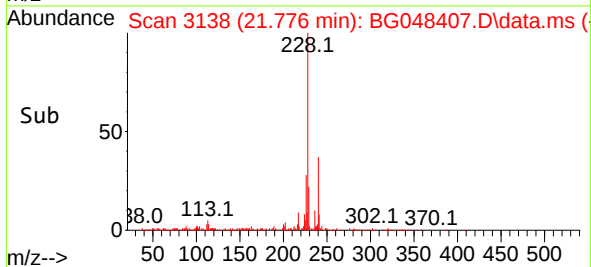
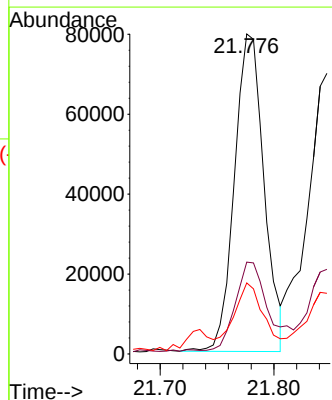
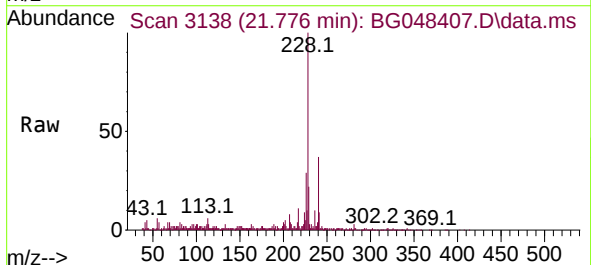
Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-069-B

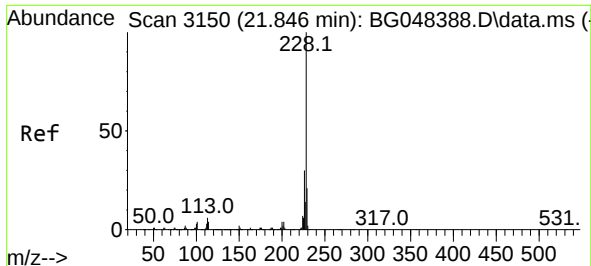
Tgt Ion:244 Resp: 1195926
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.7 10.1
 122 5.9 7.8 11.6#



#81
 Benzo(a)anthracene
 Concen: 5.49 ng
 RT: 21.776 min Scan# 3138
 Delta R.T. 0.000 min
 Lab File: BG048407.D
 Acq: 17 Mar 2021 21:10

Tgt Ion:228 Resp: 143649
 Ion Ratio Lower Upper
 228 100
 226 28.7 23.3 34.9
 229 22.2 17.4 26.0

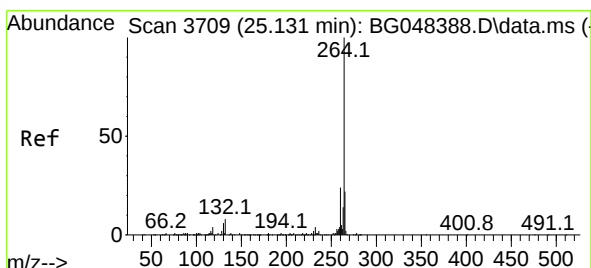
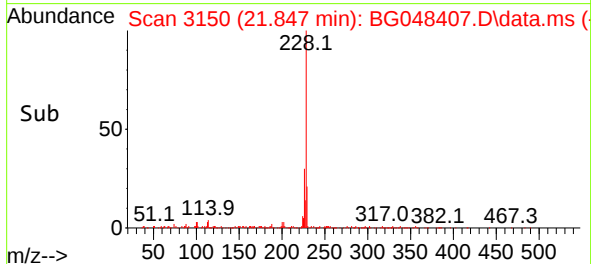
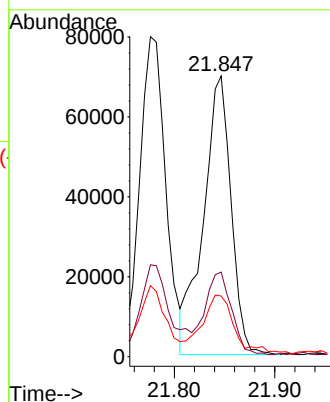
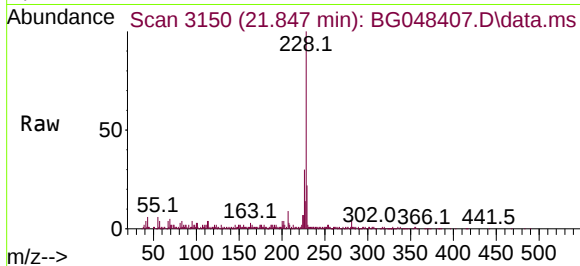




#83
Chrysene
Concen: 5.37 ng
RT: 21.847 min Scan# 3150
Delta R.T. 0.000 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

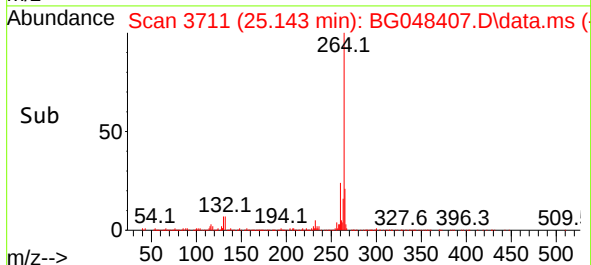
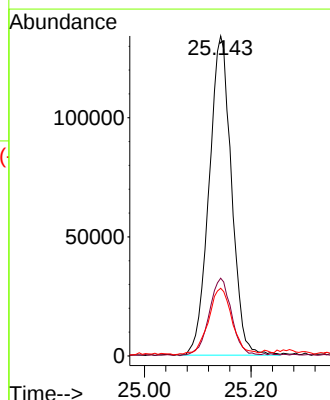
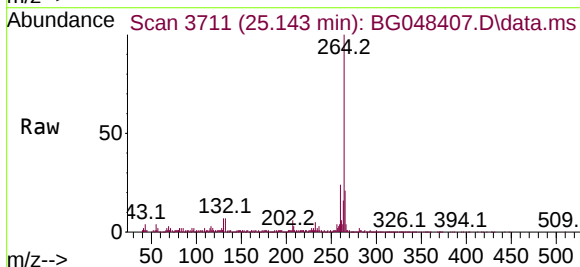
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-069-B

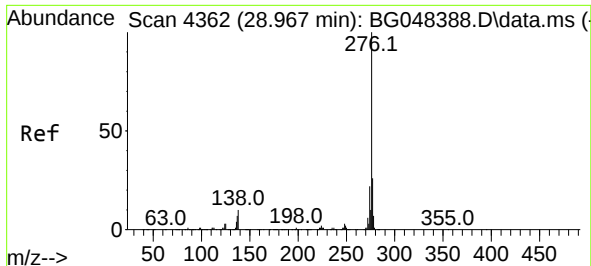
Tgt Ion:	228	Resp:	134064
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.4
229	21.6	17.3	25.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.143 min Scan# 3711
Delta R.T. 0.012 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

Tgt Ion:	264	Resp:	389907
Ion Ratio	Lower	Upper	
264	100		
260	24.3	18.8	28.2
265	21.1	17.8	26.8

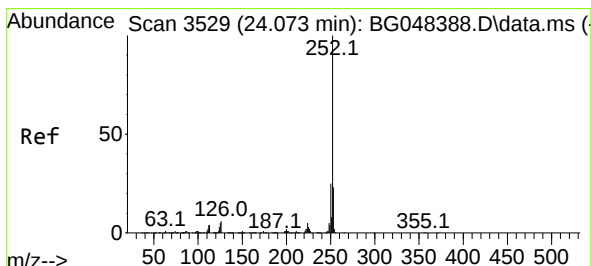
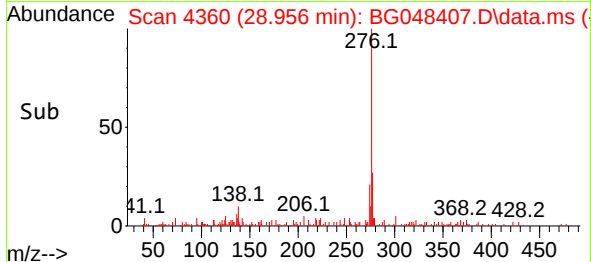
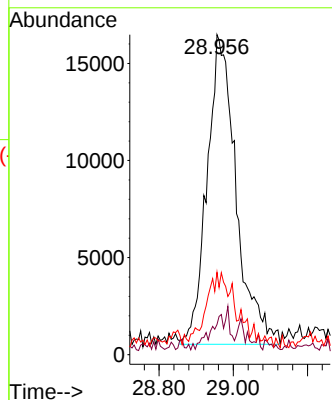
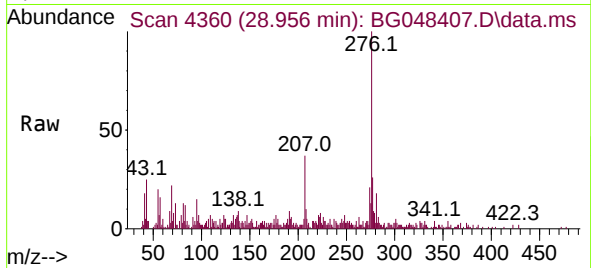




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.90 ng
 RT: 28.956 min Scan# 4360
 Delta R.T. -0.011 min
 Lab File: BG048407.D
 Acq: 17 Mar 2021 21:10

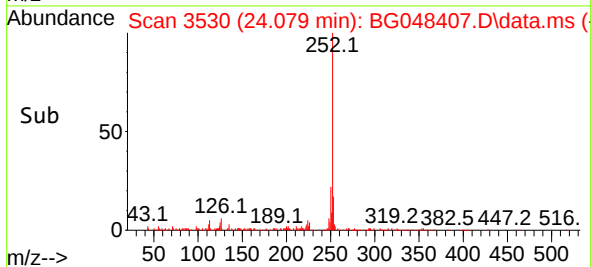
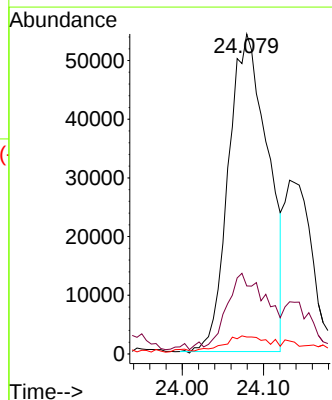
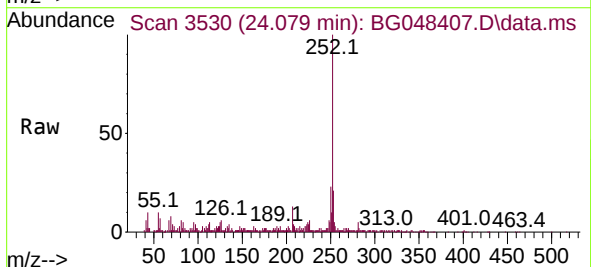
Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-069-B

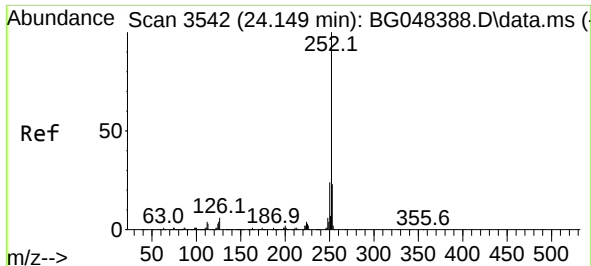
Tgt Ion:276 Resp: 86779
 Ion Ratio Lower Upper
 276 100
 138 4.9 16.2 24.2#
 277 0.0 20.3 30.5#



#88
 Benzo(b)fluoranthene
 Concen: 6.72 ng
 RT: 24.079 min Scan# 3530
 Delta R.T. 0.006 min
 Lab File: BG048407.D
 Acq: 17 Mar 2021 21:10

Tgt Ion:252 Resp: 182585
 Ion Ratio Lower Upper
 252 100
 253 21.2 18.7 28.1
 125 5.3 6.5 9.7#

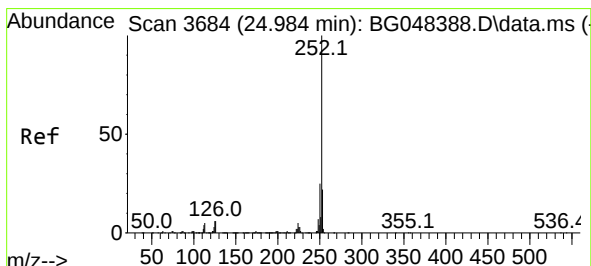
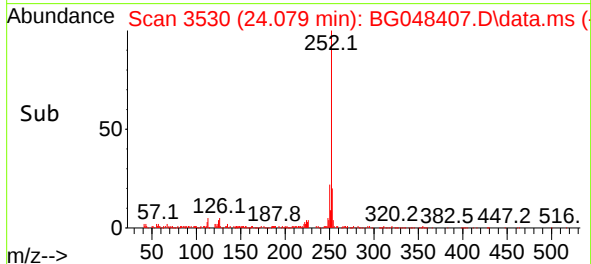
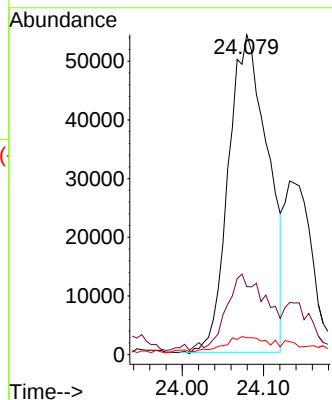
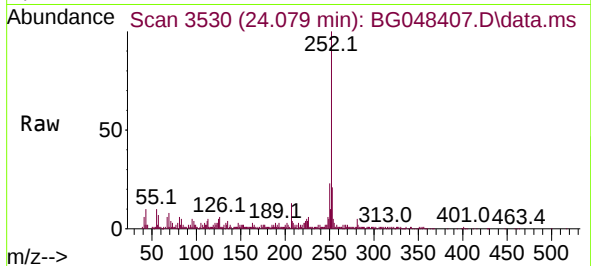




#89
Benzo(k)fluoranthene
Concen: 7.00 ng
RT: 24.079 min Scan# 3530
Delta R.T. -0.070 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

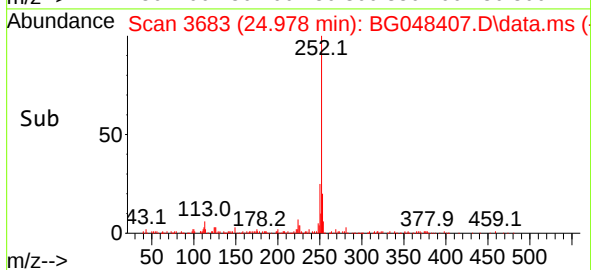
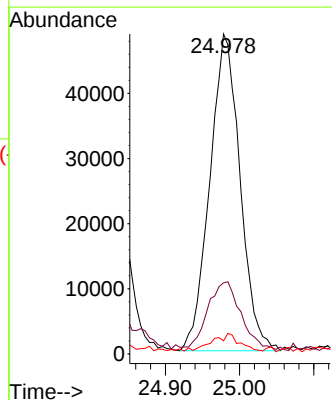
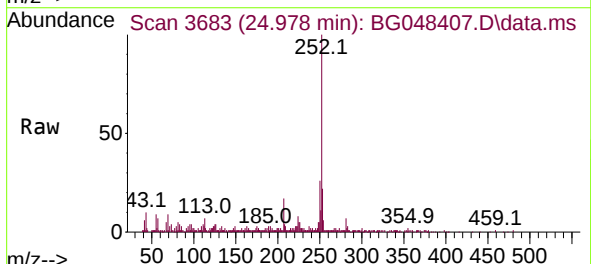
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-069-B

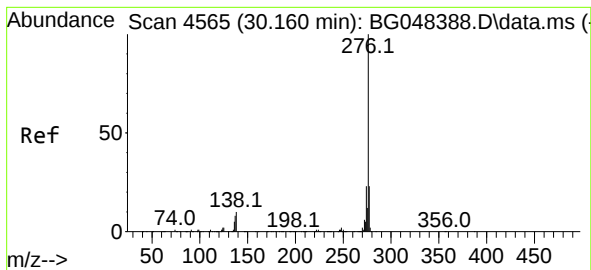
Tgt Ion:252 Resp: 182585
Ion Ratio Lower Upper
252 100
253 21.2 18.6 27.8
125 5.3 6.8 10.2#



#90
Benzo(a)pyrene
Concen: 5.51 ng
RT: 24.978 min Scan# 3683
Delta R.T. -0.005 min
Lab File: BG048407.D
Acq: 17 Mar 2021 21:10

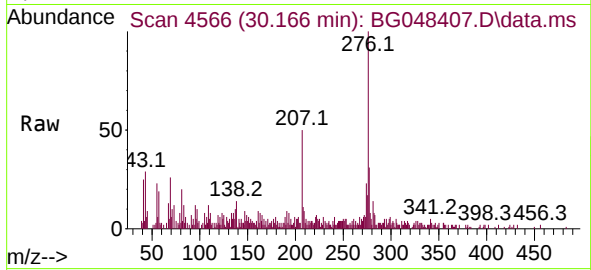
Tgt Ion:252 Resp: 137990
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 4.1 7.0 10.4#





#92
 Benzo(g,h,i)perylene
 Concen: 2.95 ng
 RT: 30.166 min Scan# 4566
 Delta R.T. 0.006 min
 Lab File: BG048407.D
 Acq: 17 Mar 2021 21:10

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-069-B



Tgt Ion: 276 Resp: 73120
 Ion Ratio Lower Upper
 276 100
 277 30.5 19.6 29.4#
 138 14.0 13.4 20.2

