

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031721\
 Data File : BG048406.D
 Acq On : 17 Mar 2021 20:30
 Operator : CG/JU
 Sample : M1692-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 18 00:19:47 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)

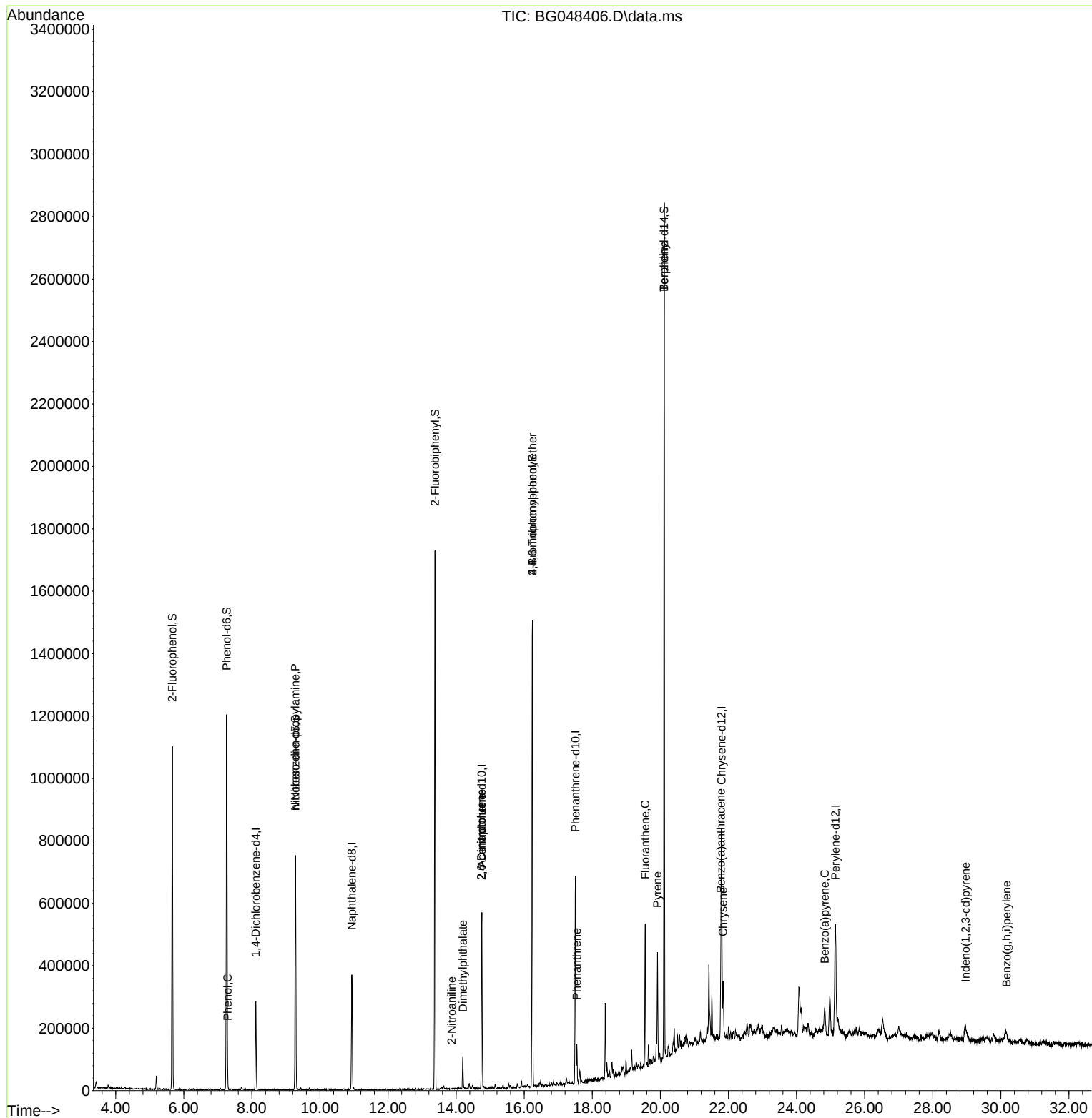
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.116	152	70717	20.00	ng	# 0.00
21) Naphthalene-d8	10.936	136	275803	20.00	ng	# 0.00
39) Acenaphthene-d10	14.755	164	201139	20.00	ng	0.00
64) Phenanthrene-d10	17.505	188	417592	20.00	ng	# 0.00
76) Chrysene-d12	21.799	240	397797	20.00	ng	# 0.00
86) Perylene-d12	25.143	264	411307	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.665	112	430124	104.47	ng	0.00
7) Phenol-d6	7.258	99	598785	98.72	ng	0.00
23) Nitrobenzene-d5	9.279	82	456440	73.53	ng	0.00
42) 2,4,6-Tribromophenol	16.241	330	276254	107.35	ng	0.00
45) 2-Fluorobiphenyl	13.380	172	895305	62.73	ng	0.00
79) Terphenyl-d14	20.113	244	1216630	59.11	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.258	77	2371	Below Cal	#	1
10) Phenol	7.287	94	13680	2.21 ng	#	52
19) n-Nitroso-di-n-propyla...	9.279	70	69155	14.80 ng	#	74
48) 2-Nitroaniline	13.868	65	205	3.52 ng	#	1
50) Dimethylphthalate	14.197	163	57255	3.70 ng		97
51) 2,6-Dinitrotoluene	14.749	165	26048	8.85 ng	#	37
57) 2,4-Dinitrotoluene	14.749	165	26048	7.62 ng	#	35
67) 4-Bromophenyl-phenylether	16.241	248	20076	4.00 ng	#	1
71) Phenanthrene	17.546	178	77538	3.52 ng		96
75) Fluoranthene	19.555	202	236325	8.10 ng		95
77) Benzidine	20.113	184	23526	2.28 ng		93
78) Pyrene	19.913	202	223462	8.44 ng		97
81) Benzo(a)anthracene	21.776	228	160901	5.84 ng		99
83) Chrysene	21.841	228	145133	5.52 ng		98
87) Indeno(1,2,3-cd)pyrene	28.968	276	95598	3.03 ng	#	83
90) Benzo(a)pyrene	24.825	252	102179	3.87 ng		96
92) Benzo(g,h,i)perylene	30.166	276	86123	3.30 ng	#	92

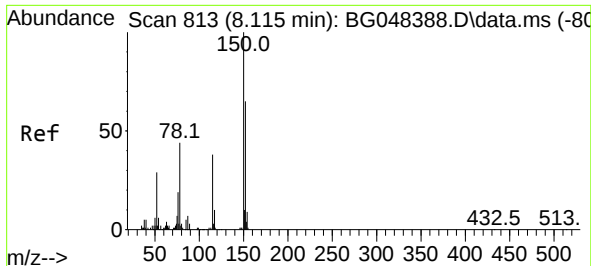
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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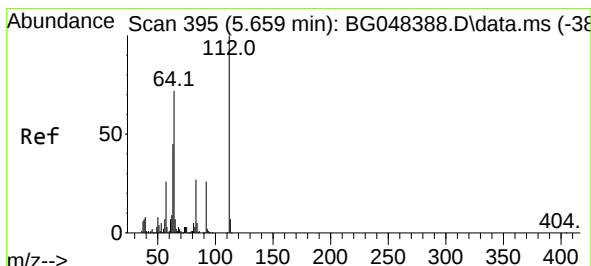
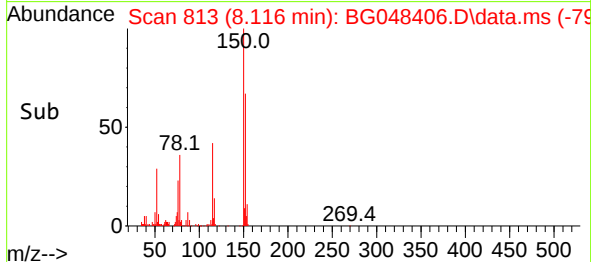
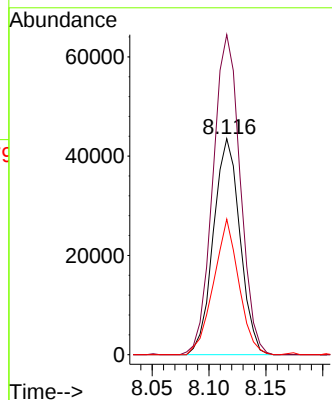
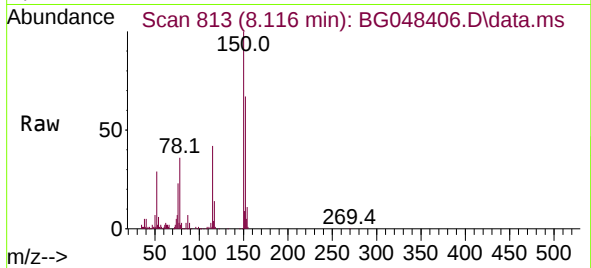




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.116 min Scan# 813
Delta R.T. 0.001 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

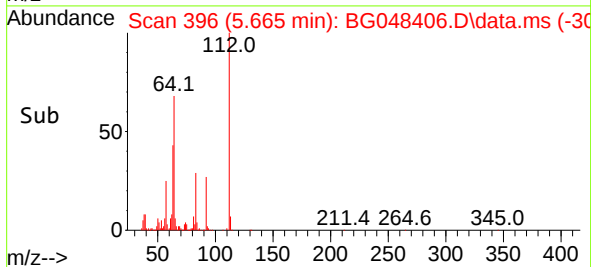
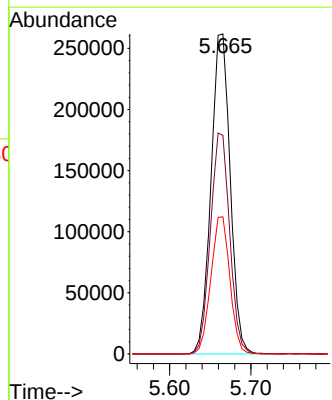
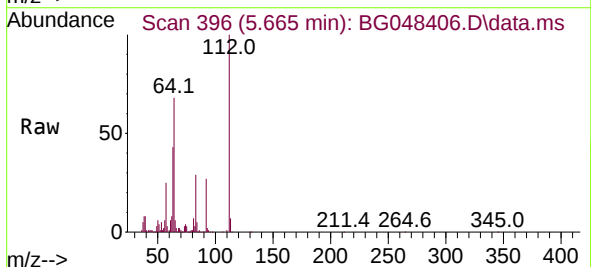
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-069-A

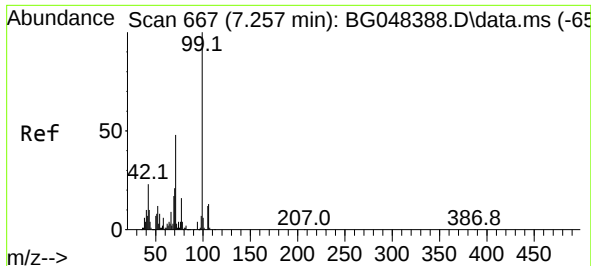
Tgt Ion:152 Resp: 70717
Ion Ratio Lower Upper
152 100
150 148.2 125.0 187.6
115 62.8 41.8 62.6#



#5
2-Fluorophenol
Concen: 104.47 ng
RT: 5.665 min Scan# 396
Delta R.T. 0.006 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

Tgt Ion:112 Resp: 430124
Ion Ratio Lower Upper
112 100
64 68.3 46.7 70.1
63 42.9 22.8 34.2#

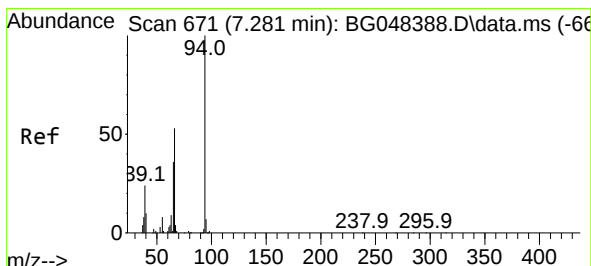
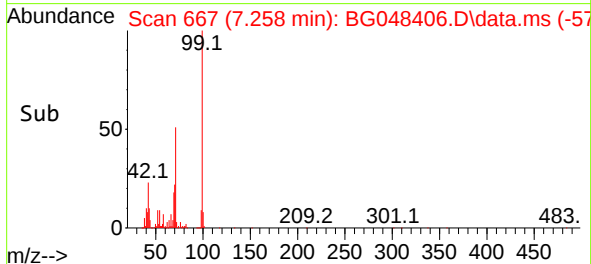
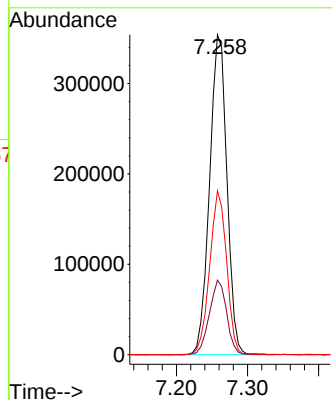
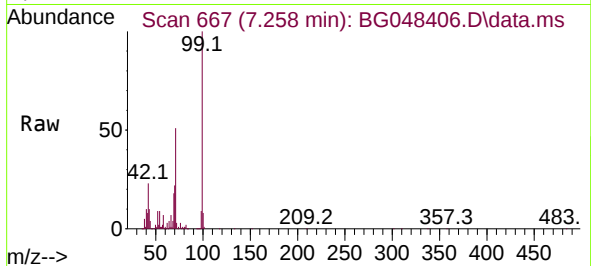




#7
Phenol-d6
Concen: 98.72 ng
RT: 7.258 min Scan# 667
Delta R.T. 0.000 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

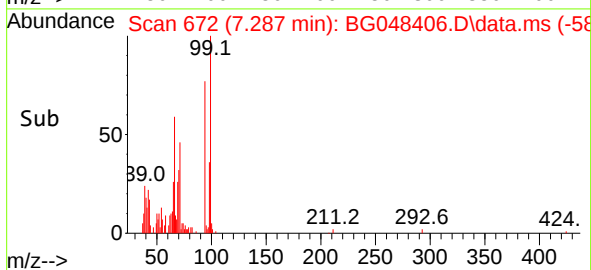
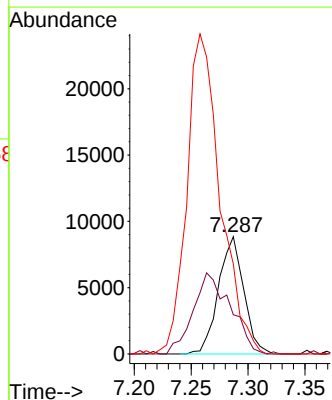
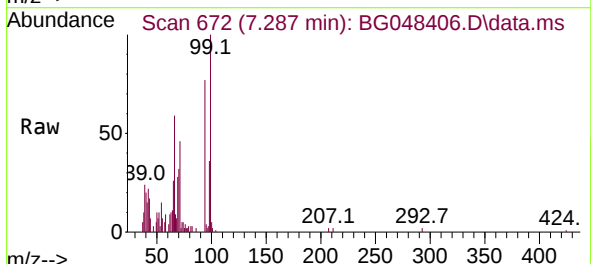
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-069-A

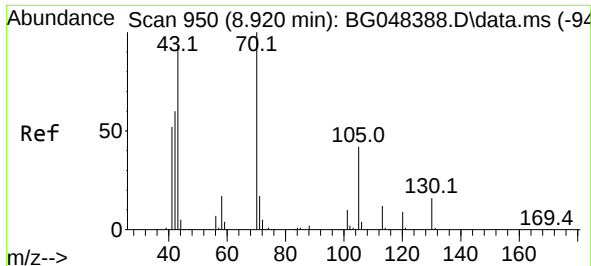
Tgt Ion: 99 Resp: 598785
Ion Ratio Lower Upper
99 100
42 23.3 12.8 19.2#
71 51.2 24.6 36.8#



#10
Phenol
Concen: 2.21 ng
RT: 7.287 min Scan# 672
Delta R.T. 0.006 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

Tgt Ion: 94 Resp: 13680
Ion Ratio Lower Upper
94 100
65 33.5 6.6 46.6
66 76.7 13.9 53.9#

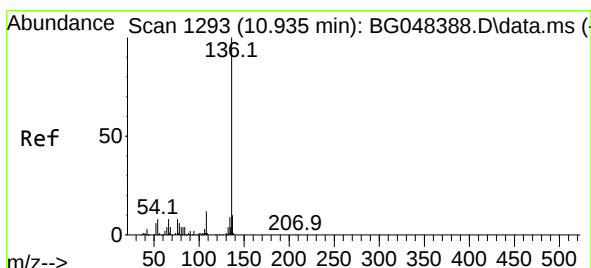
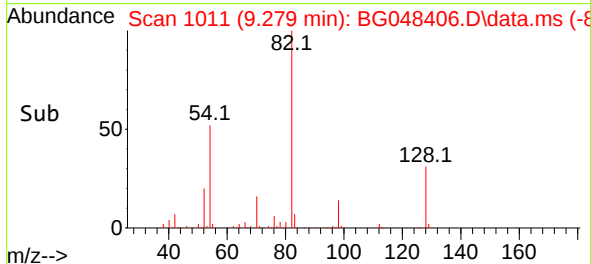
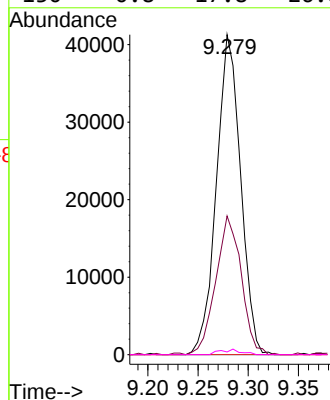
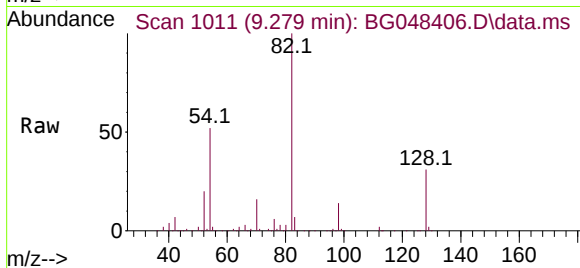




#19
n-Nitroso-di-n-propylamine
Concen: 14.80 ng
RT: 9.279 min Scan# 1011
Delta R.T. 0.359 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

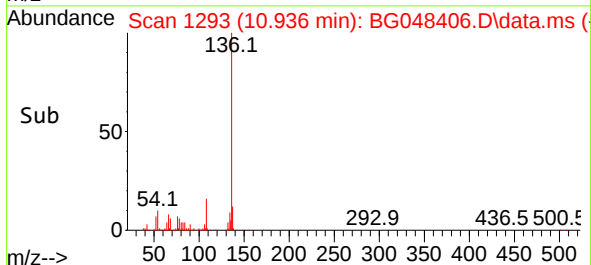
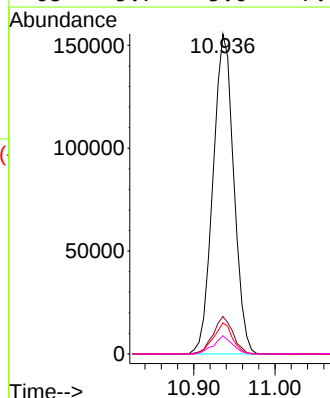
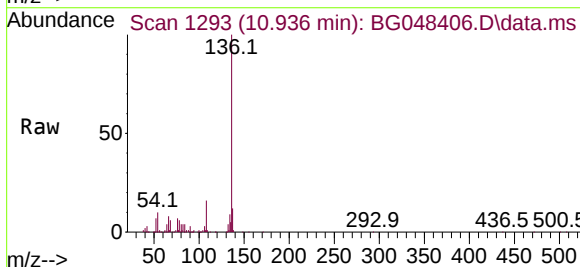
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-069-A

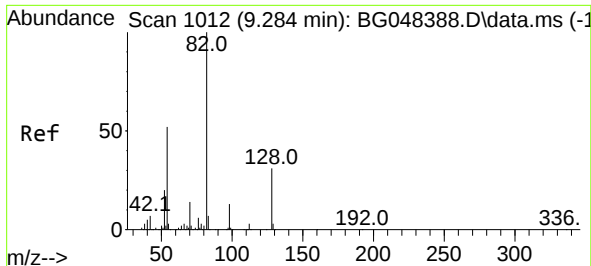
Tgt Ion: 70	Resp: 69155
Ion Ratio	Lower Upper
70 100	
42 43.3	45.6 68.4#
101 0.0	8.4 12.6#
130 0.8	17.8 26.8#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.936 min Scan# 1293
Delta R.T. 0.001 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

Tgt Ion: 136	Resp: 275803
Ion Ratio	Lower Upper
136 100	
137 11.7	9.1 13.7
54 9.7	6.2 9.4#
68 5.7	5.0 7.4

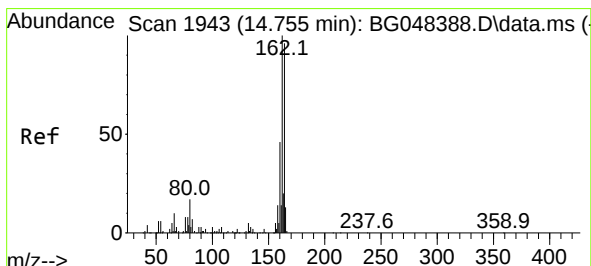
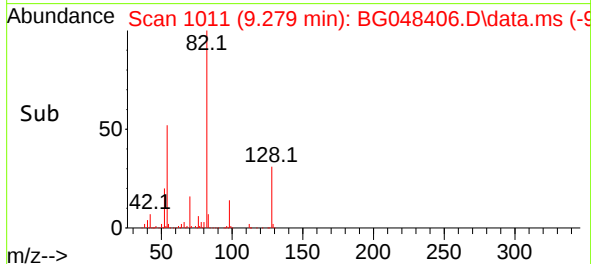
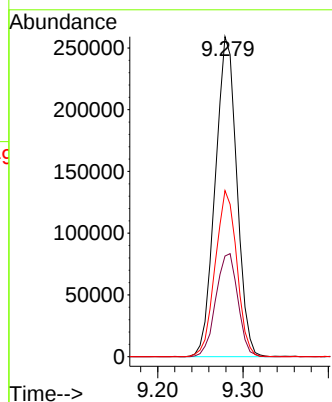
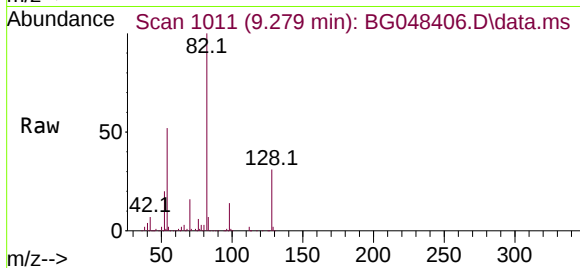




#23
Nitrobenzene-d5
Concen: 73.53 ng
RT: 9.279 min Scan# 1011
Delta R.T. -0.005 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

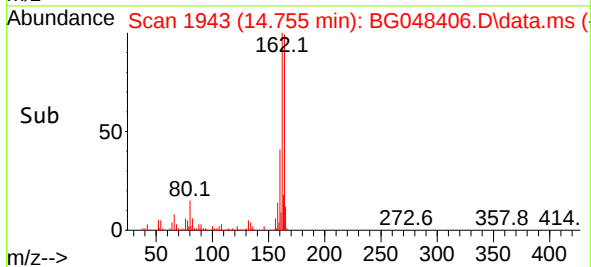
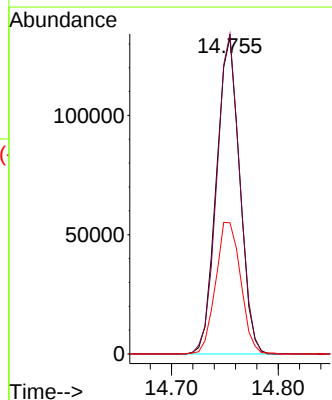
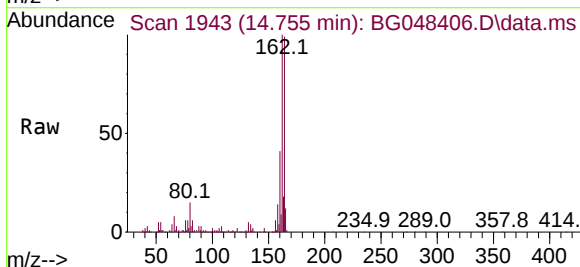
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-069-A

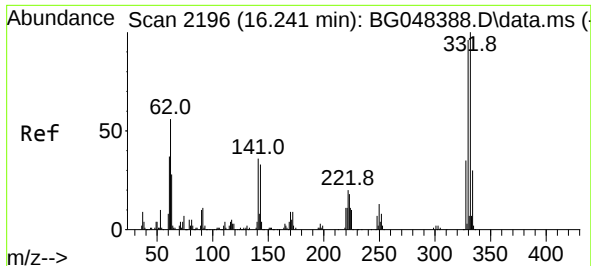
Tgt Ion: 82 Resp: 456440
Ion Ratio Lower Upper
82 100
128 31.5 37.0 55.6#
54 51.9 39.0 58.4



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.755 min Scan# 1943
Delta R.T. -0.000 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

Tgt Ion: 164 Resp: 201139
Ion Ratio Lower Upper
164 100
162 101.1 82.3 123.5
160 41.4 35.3 52.9

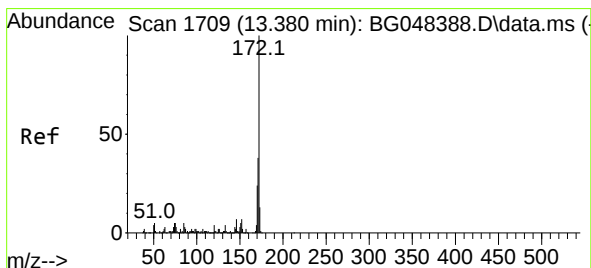
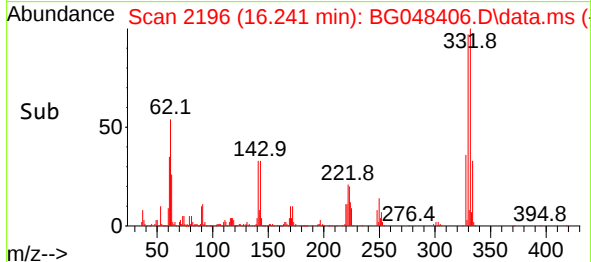
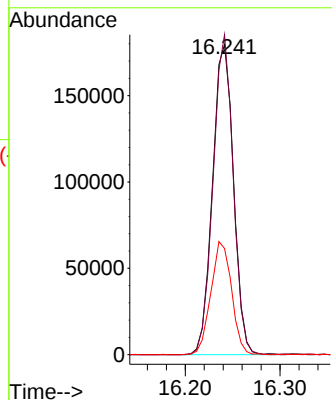
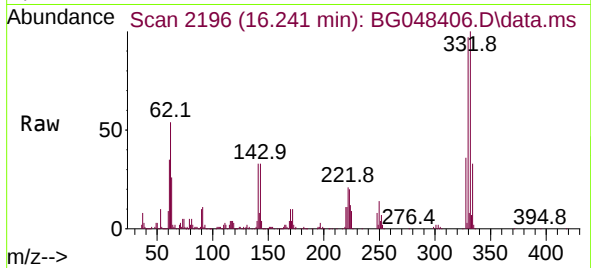




#42
2,4,6-Tribromophenol
Concen: 107.35 ng
RT: 16.241 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

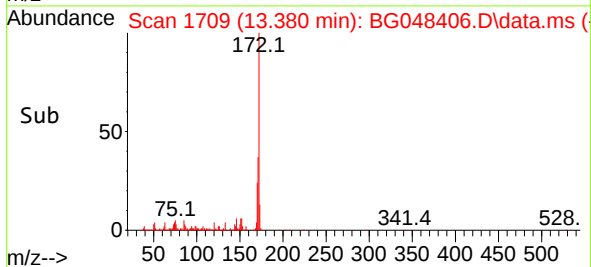
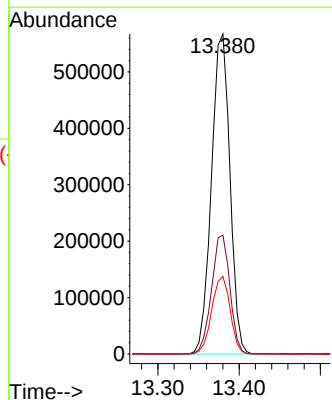
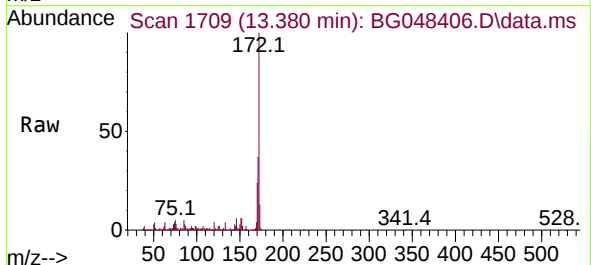
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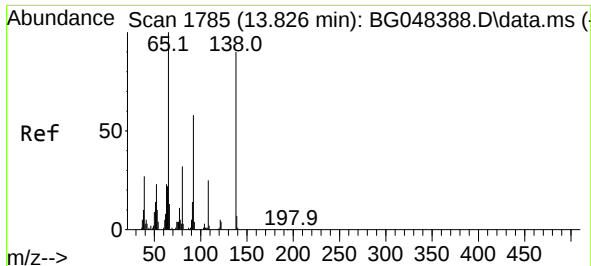
Tgt Ion:330 Resp: 276254
Ion Ratio Lower Upper
330 100
332 98.8 76.5 114.7
141 36.0 26.0 39.0



#45
2-Fluorobiphenyl
Concen: 62.73 ng
RT: 13.380 min Scan# 1709
Delta R.T. 0.000 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

Tgt Ion:172 Resp: 895305
Ion Ratio Lower Upper
172 100
171 37.2 31.3 46.9
170 24.3 20.8 31.2

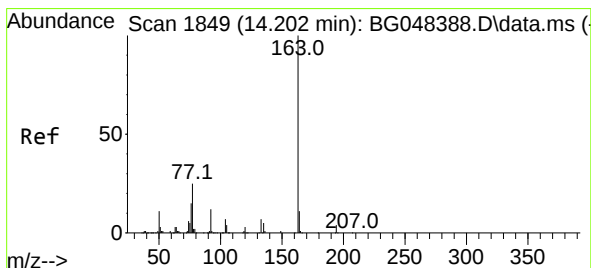
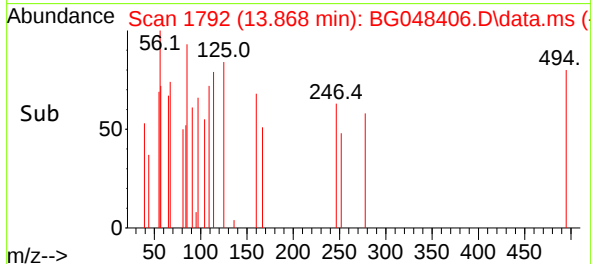
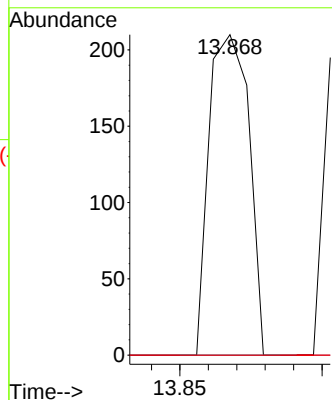
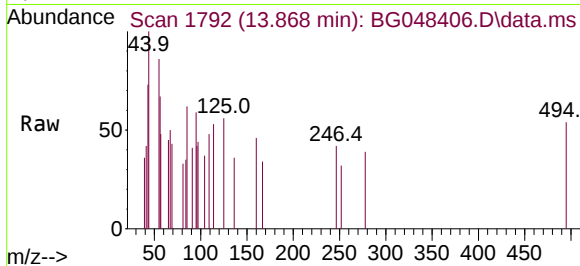




#48
2-Nitroaniline
Concen: 3.52 ng
RT: 13.868 min Scan# 1792
Delta R.T. 0.042 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

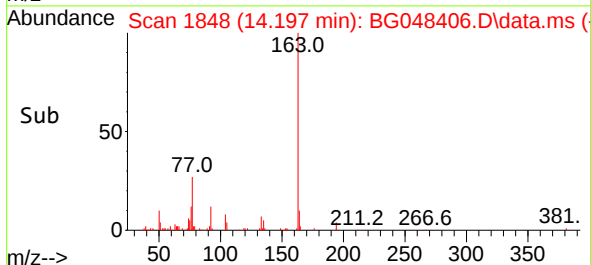
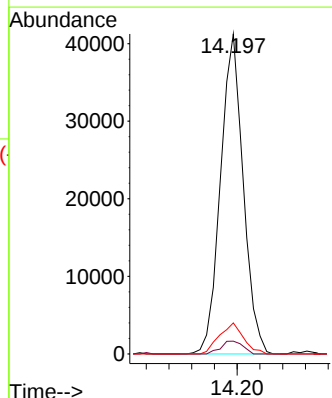
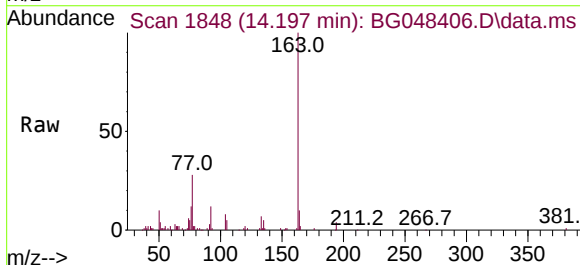
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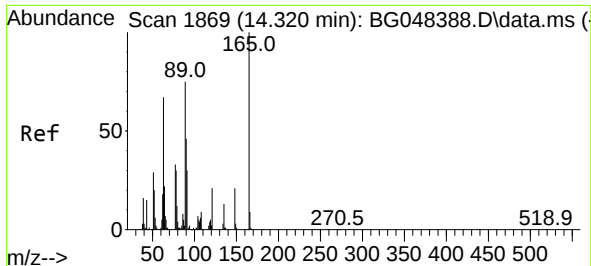
Tgt Ion: 65 Resp: 205
Ion Ratio Lower Upper
65 100
92 0.0 58.6 88.0#
138 0.0 98.2 147.4#



#50
Dimethylphthalate
Concen: 3.70 ng
RT: 14.197 min Scan# 1848
Delta R.T. -0.006 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

Tgt Ion:163 Resp: 57255
Ion Ratio Lower Upper
163 100
194 4.0 3.8 5.8
164 9.7 8.8 13.2

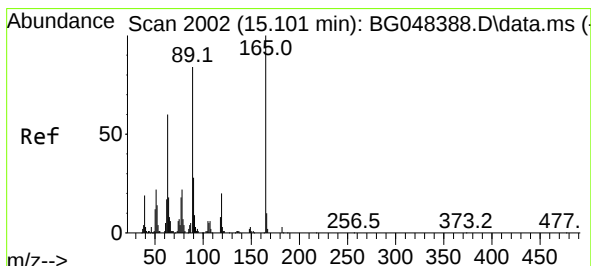
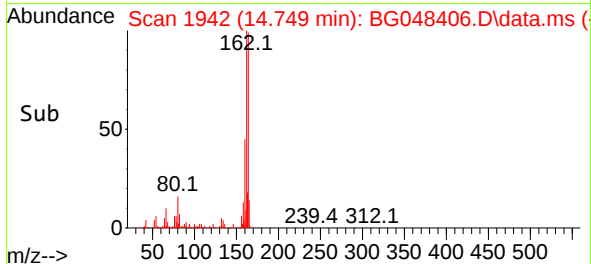
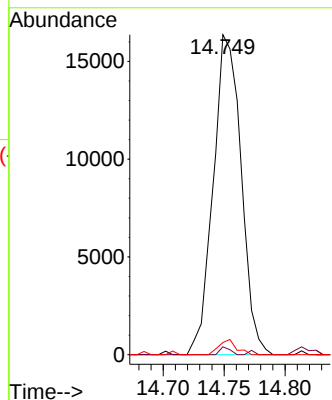
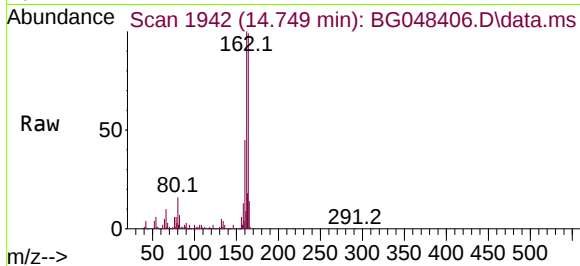




#51
2,6-Dinitrotoluene
Concen: 8.85 ng
RT: 14.749 min Scan# 1942
Delta R.T. 0.429 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

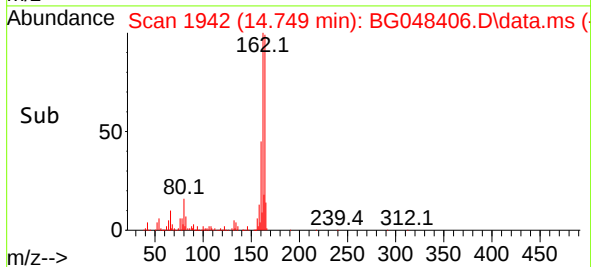
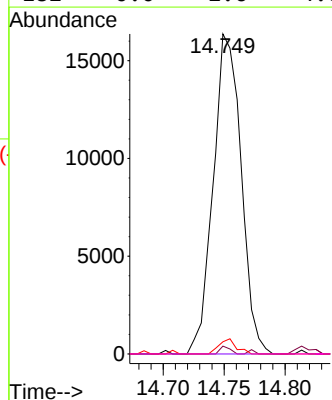
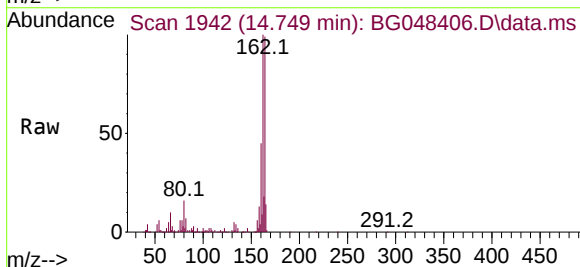
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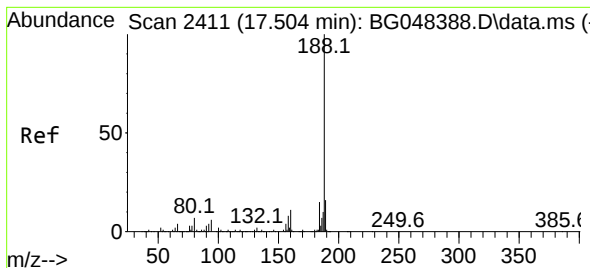
Tgt Ion:165 Resp: 26048
Ion Ratio Lower Upper
165 100
63 2.4 33.7 50.5#
89 3.8 36.6 54.8#



#57
2,4-Dinitrotoluene
Concen: 7.62 ng
RT: 14.749 min Scan# 1942
Delta R.T. -0.352 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

Tgt Ion:165 Resp: 26048
Ion Ratio Lower Upper
165 100
63 2.4 26.4 39.6#
89 3.8 47.8 71.8#
182 0.0 2.6 4.0#

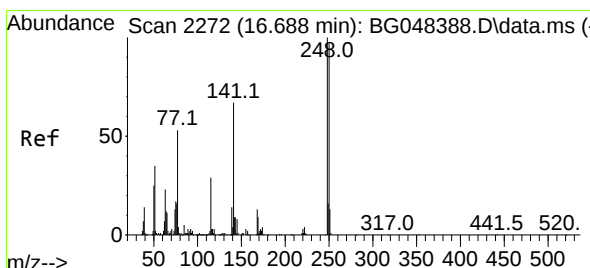
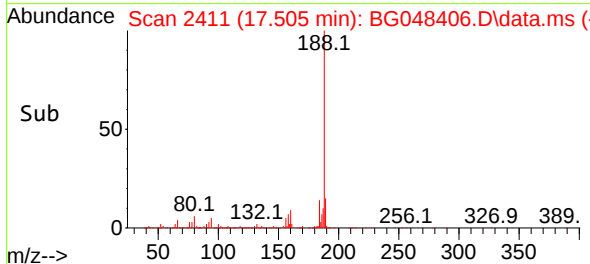
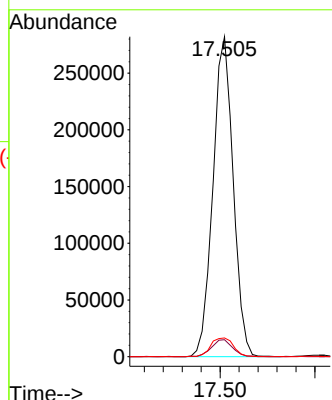
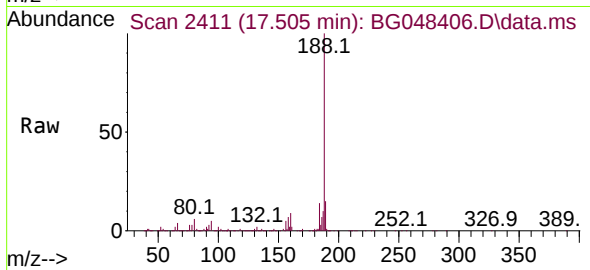




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.505 min Scan# 2411
Delta R.T. 0.001 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

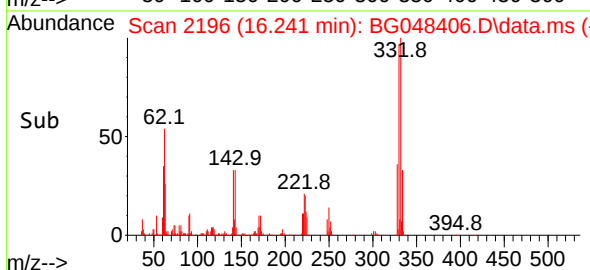
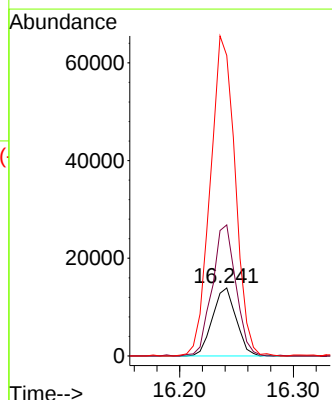
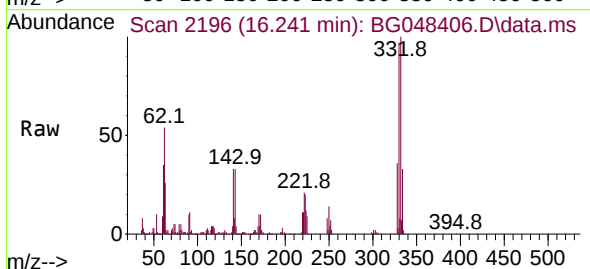
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-069-A

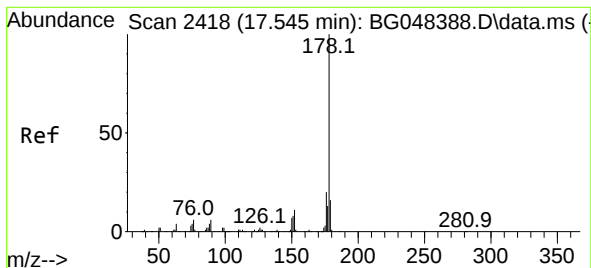
Tgt Ion:188 Resp: 417592
Ion Ratio Lower Upper
188 100
94 5.3 6.3 9.5#
80 5.9 7.0 10.6#



#67
4-Bromophenyl-phenylether
Concen: 4.00 ng
RT: 16.241 min Scan# 2196
Delta R.T. -0.446 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

Tgt Ion:248 Resp: 20076
Ion Ratio Lower Upper
248 100
250 192.6 78.9 118.3#
141 441.4 46.2 69.4#

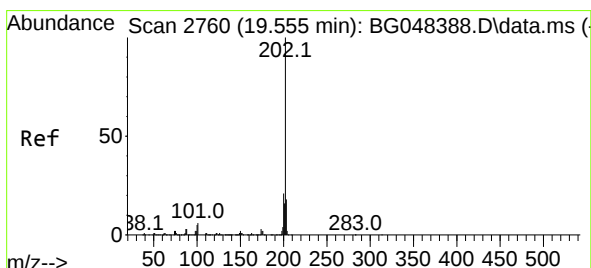
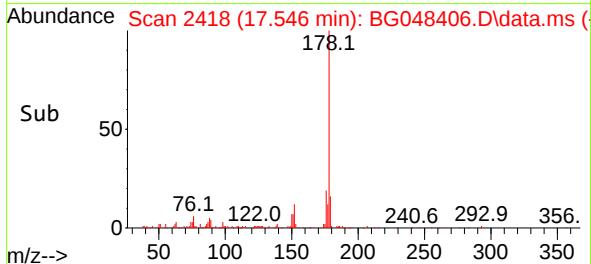
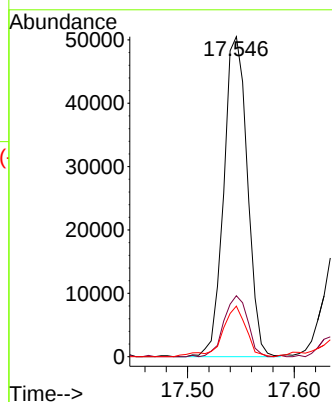
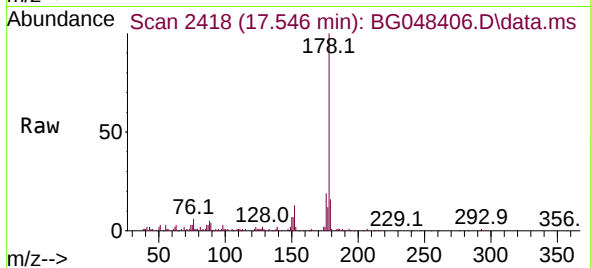




#71
Phenanthrene
Concen: 3.52 ng
RT: 17.546 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

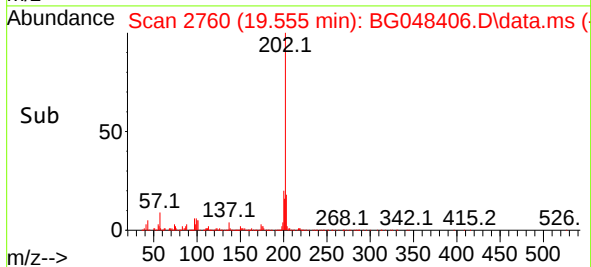
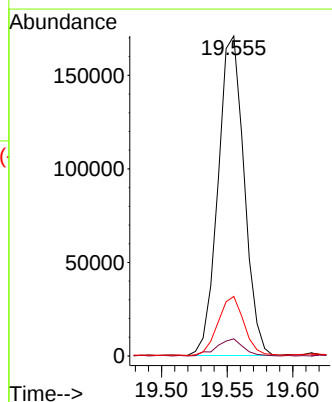
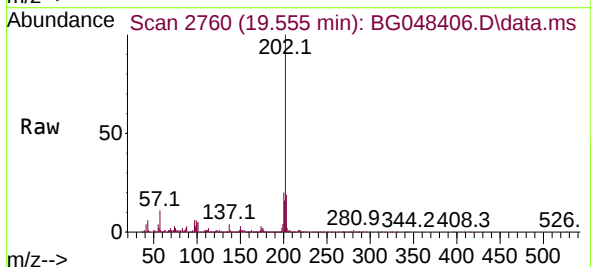
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-069-A

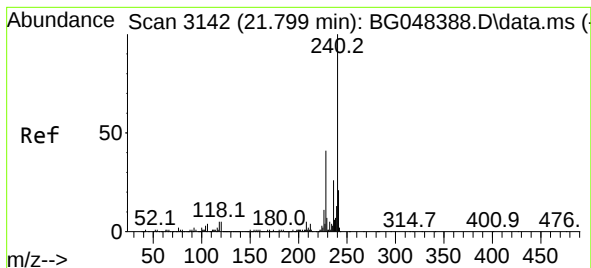
Tgt Ion:178 Resp: 77538
Ion Ratio Lower Upper
178 100
176 19.1 16.7 25.1
179 15.8 14.0 21.0



#75
Fluoranthene
Concen: 8.10 ng
RT: 19.555 min Scan# 2760
Delta R.T. 0.000 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

Tgt Ion:202 Resp: 236325
Ion Ratio Lower Upper
202 100
101 5.3 0.0 29.7
203 18.6 0.0 39.2

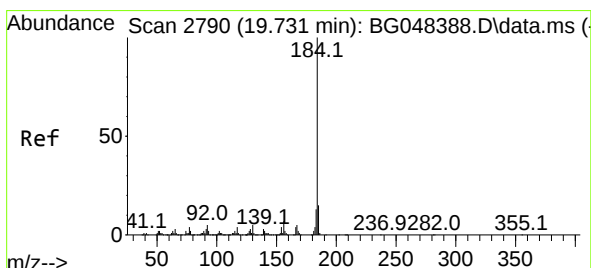
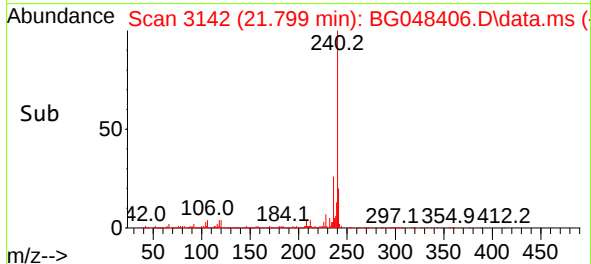
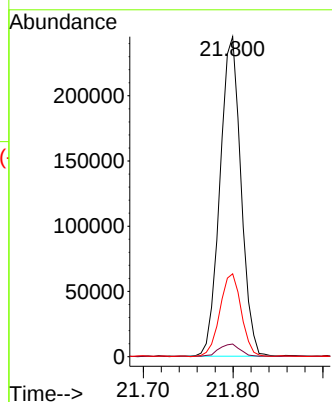
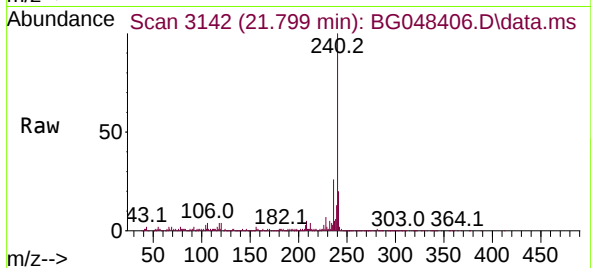




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.799 min Scan# 3142
Delta R.T. 0.000 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

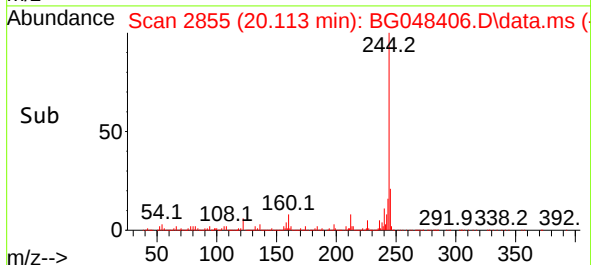
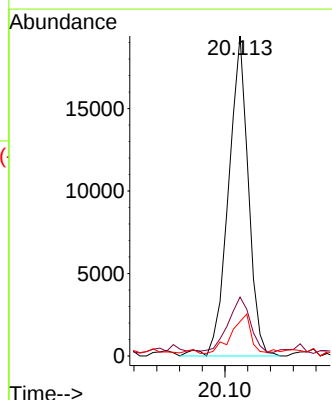
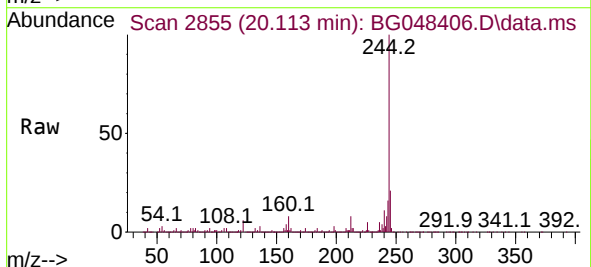
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-069-A

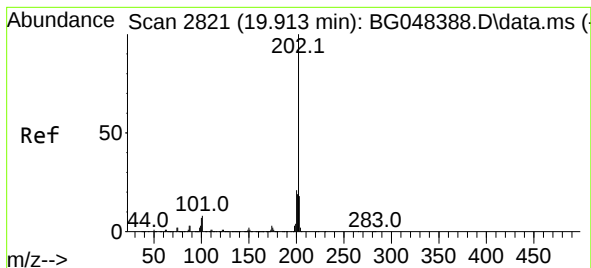
Tgt Ion:240 Resp: 397797
Ion Ratio Lower Upper
240 100
120 4.0 6.2 9.4#
236 25.9 20.5 30.7



#77
Benzidine
Concen: 2.28 ng
RT: 20.113 min Scan# 2855
Delta R.T. 0.382 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

Tgt Ion:184 Resp: 23526
Ion Ratio Lower Upper
184 100
185 18.4 12.4 18.6
183 10.8 10.6 15.8





#78

Pyrene

Concen: 8.44 ng

RT: 19.913 min Scan# 2821

Delta R.T. 0.000 min

Lab File: BG048406.D

Acq: 17 Mar 2021 20:30

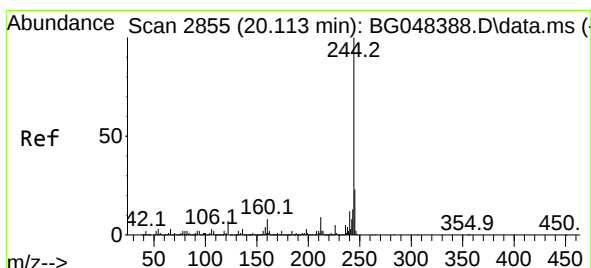
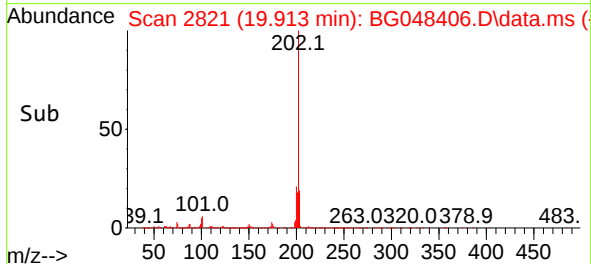
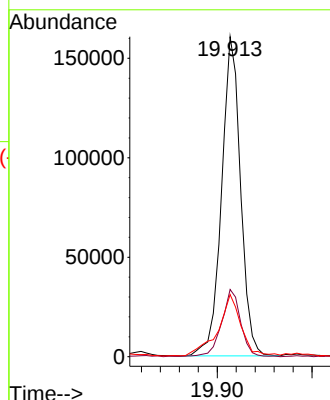
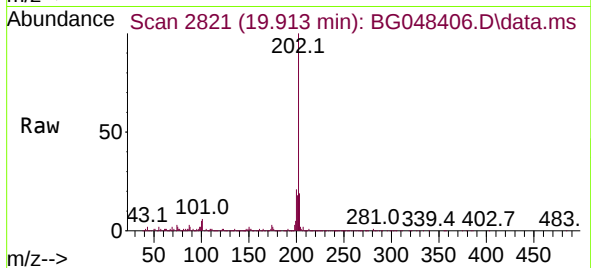
Tgt Ion:	202	Resp:	223462
Ion Ratio	Lower	Upper	
202	100		
200	21.0	18.6	27.8
203	19.4	15.3	22.9

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-069-A



#79

Terphenyl-d14

Concen: 59.11 ng

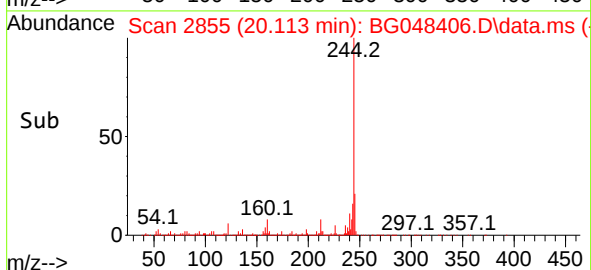
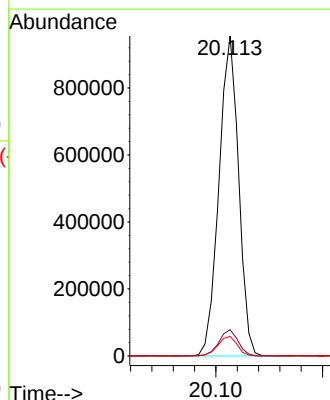
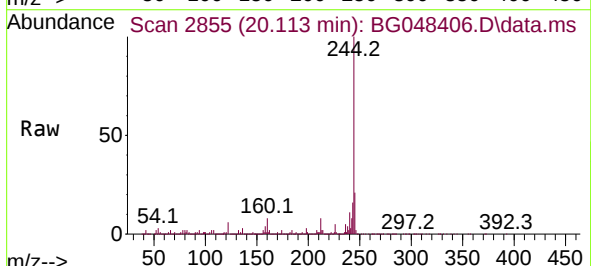
RT: 20.113 min Scan# 2855

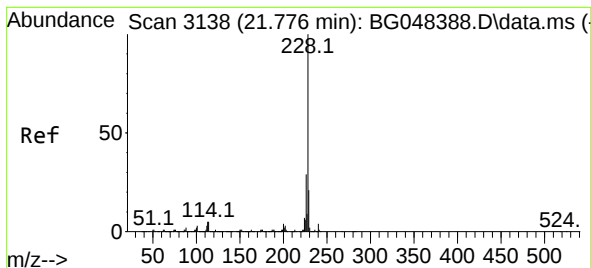
Delta R.T. 0.000 min

Lab File: BG048406.D

Acq: 17 Mar 2021 20:30

Tgt Ion:	244	Resp:	1216630
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.7	10.1
122	6.1	7.8	11.6

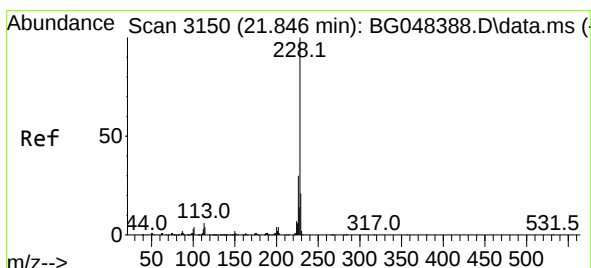
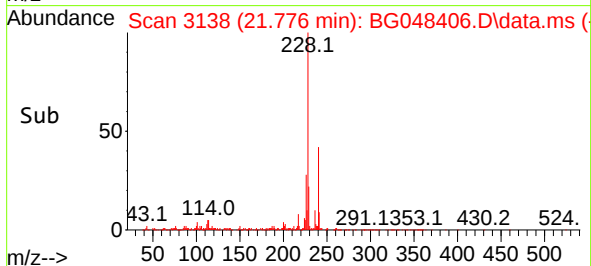
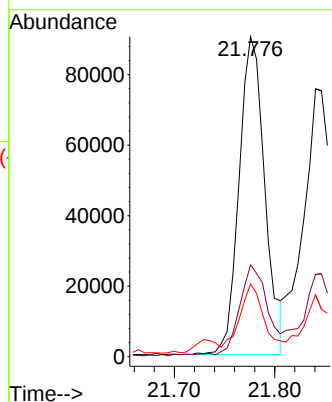
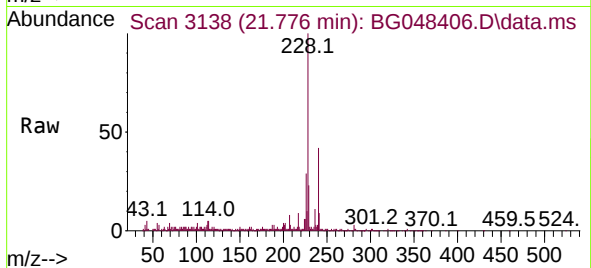




#81
Benzo(a)anthracene
Concen: 5.84 ng
RT: 21.776 min Scan# 3138
Delta R.T. 0.000 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

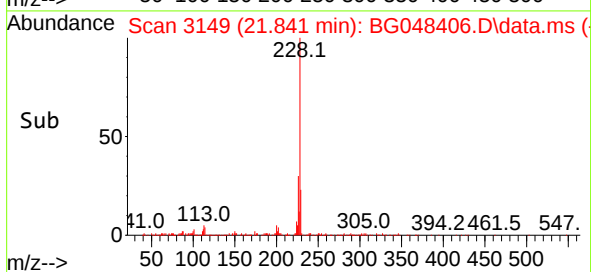
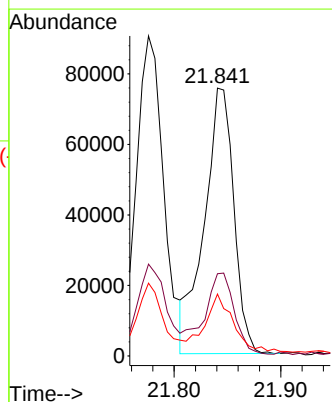
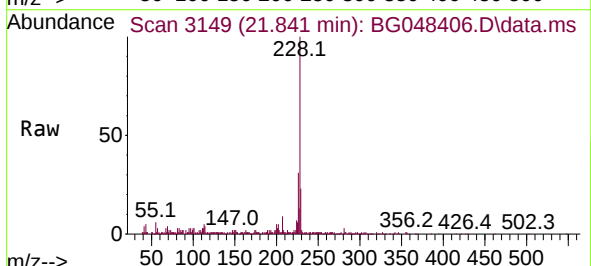
Instrument :
BNA_G
ClientSampled :
FK-GF-02-069-A

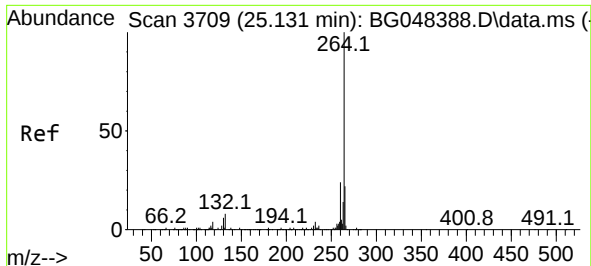
Tgt Ion:228 Resp: 160901
Ion Ratio Lower Upper
228 100
226 28.7 23.3 34.9
229 22.8 17.4 26.0



#83
Chrysene
Concen: 5.52 ng
RT: 21.841 min Scan# 3149
Delta R.T. -0.006 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

Tgt Ion:228 Resp: 145133
Ion Ratio Lower Upper
228 100
226 30.7 25.0 37.4
229 23.1 17.3 25.9

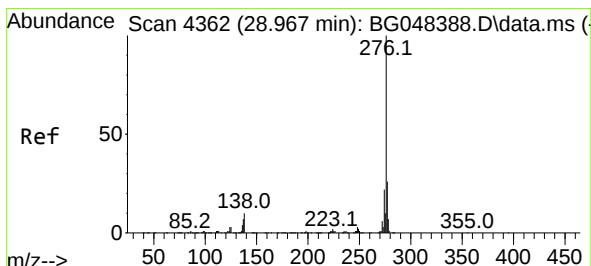
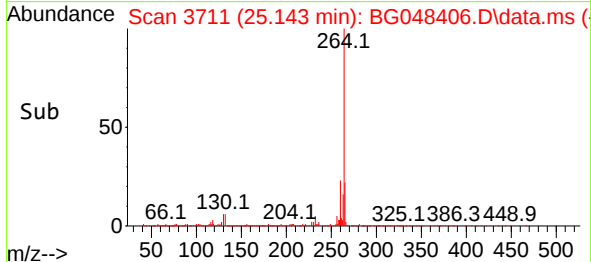
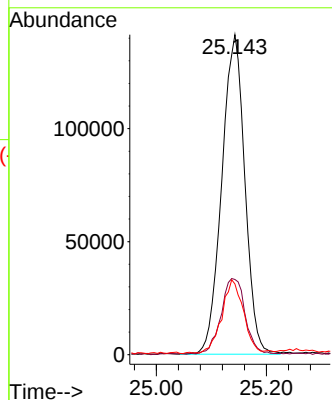
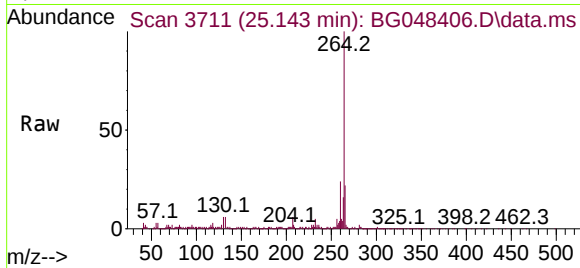




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.143 min Scan# 3711
 Delta R.T. 0.012 min
 Lab File: BG048406.D
 Acq: 17 Mar 2021 20:30

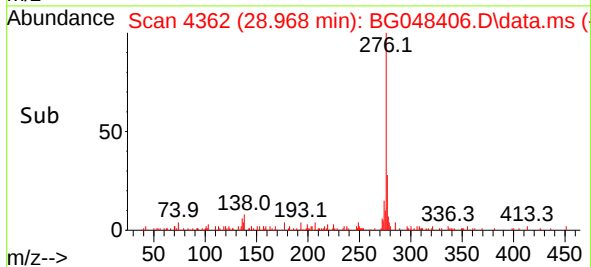
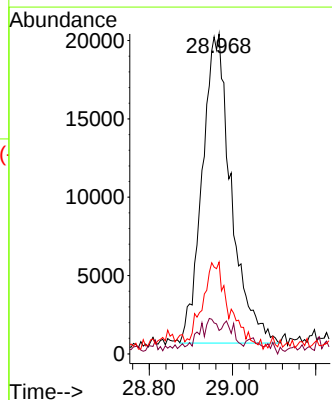
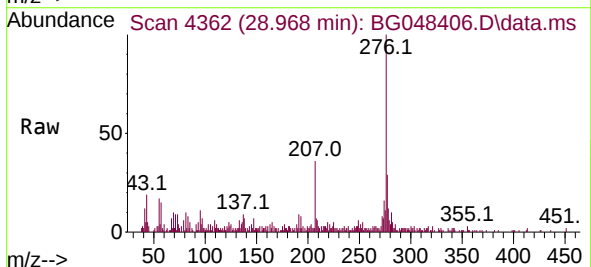
Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-069-A

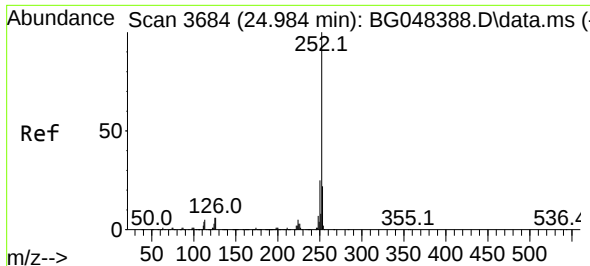
Tgt Ion:264 Resp: 411307
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.8 28.2
 265 22.1 17.8 26.8



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.03 ng
 RT: 28.968 min Scan# 4362
 Delta R.T. 0.000 min
 Lab File: BG048406.D
 Acq: 17 Mar 2021 20:30

Tgt Ion:276 Resp: 95598
 Ion Ratio Lower Upper
 276 100
 138 3.0 16.2 24.2#
 277 25.6 20.3 30.5

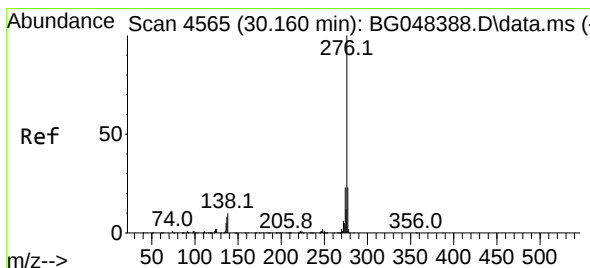
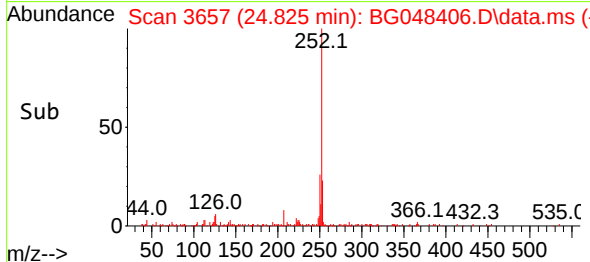
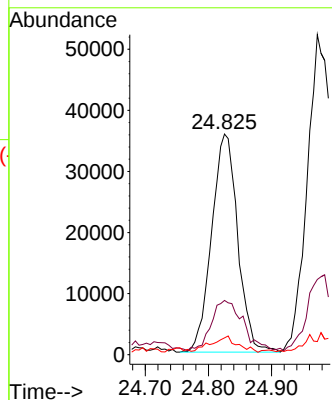
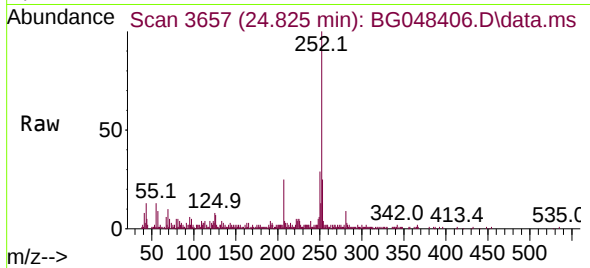




#90
Benzo(a)pyrene
Concen: 3.87 ng
RT: 24.825 min Scan# 3657
Delta R.T. -0.158 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

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

Tgt Ion:252 Resp: 102179
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 7.6 7.0 10.4



#92
Benzo(g,h,i)perylene
Concen: 3.30 ng
RT: 30.166 min Scan# 4566
Delta R.T. 0.006 min
Lab File: BG048406.D
Acq: 17 Mar 2021 20:30

Tgt Ion:276 Resp: 86123
Ion Ratio Lower Upper
276 100
277 23.1 19.6 29.4
138 10.5 13.4 20.2#

