

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031721\
 Data File : BG048409.D
 Acq On : 17 Mar 2021 22:30
 Operator : CG/JU
 Sample : M1691-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-068-A

Quant Time: Mar 18 00:20:32 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)

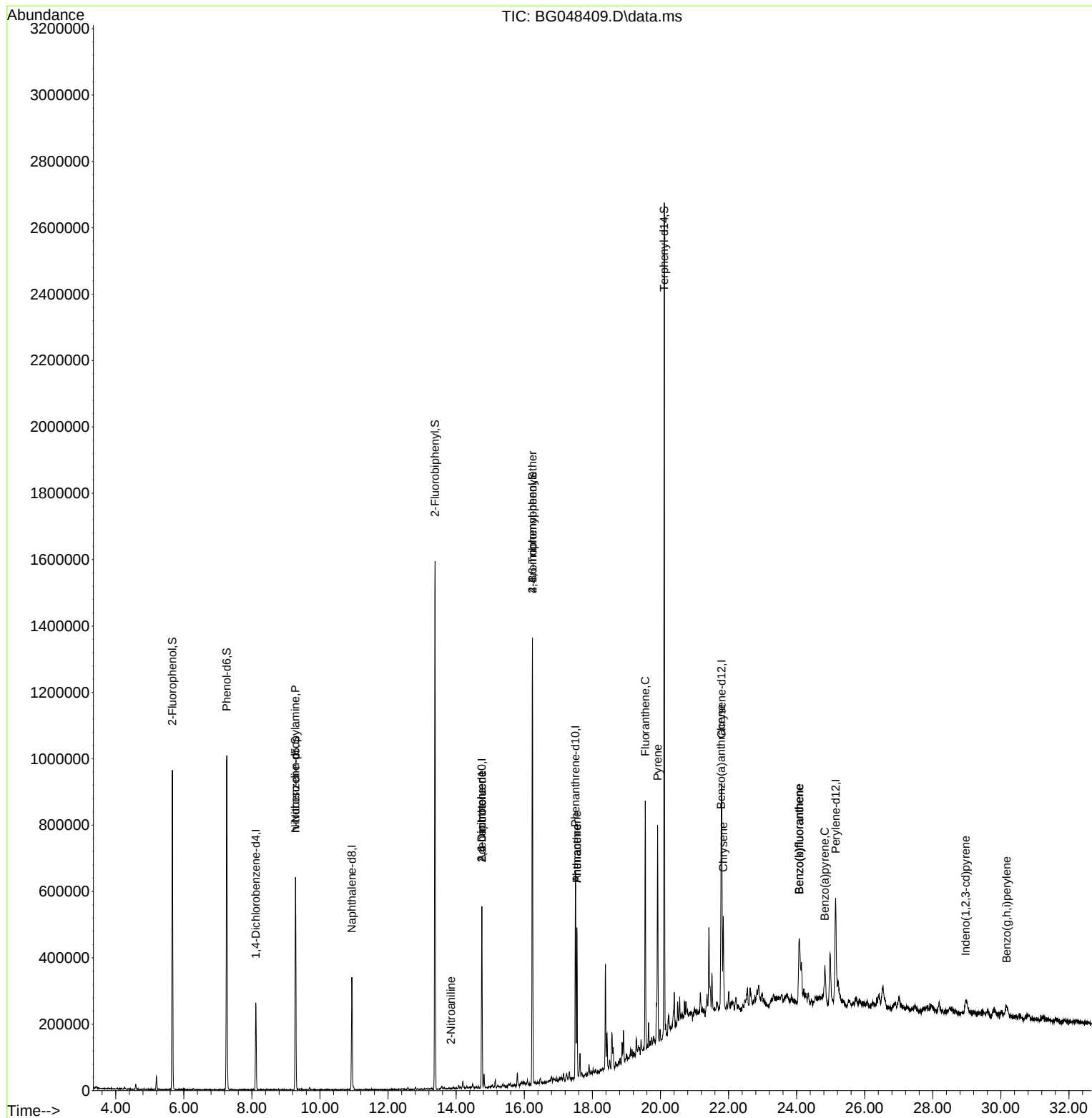
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.115	152	69108	20.00	ng	0.00
21) Naphthalene-d8	10.935	136	263545	20.00	ng	0.00
39) Acenaphthene-d10	14.754	164	190299	20.00	ng	0.00
64) Phenanthrene-d10	17.504	188	388395	20.00	ng	# 0.00
76) Chrysene-d12	21.799	240	376390	20.00	ng	# 0.00
86) Perylene-d12	25.148	264	387496	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.665	112	364520	90.60	ng	0.00
7) Phenol-d6	7.263	99	510906	86.19	ng	0.00
23) Nitrobenzene-d5	9.278	82	400365	67.50	ng	0.00
42) 2,4,6-Tribromophenol	16.241	330	245946	101.02	ng	0.00
45) 2-Fluorobiphenyl	13.379	172	793433	58.76	ng	0.00
79) Terphenyl-d14	20.113	244	1118910	57.45	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.269	77	1619	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	9.278	70	59527	13.03	ng	# 75
48) 2-Nitroaniline	13.849	65	73	3.49	ng	# 1
51) 2,6-Dinitrotoluene	14.754	165	25461	9.15	ng	# 36
57) 2,4-Dinitrotoluene	14.754	165	25461	7.81	ng	# 34
67) 4-Bromophenyl-phenylether	16.241	248	15763	3.38	ng	# 1
71) Phenanthrene	17.545	178	292542	14.29	ng	95
72) Anthracene	17.545	178	292542	14.40	ng	96
75) Fluoranthene	19.554	202	454811	16.75	ng	96
78) Pyrene	19.919	202	446409	17.81	ng	96
81) Benzo(a)anthracene	21.781	228	227556	8.72	ng	99
83) Chrysene	21.846	228	211019	8.48	ng	98
87) Indeno(1,2,3-cd)pyrene	28.967	276	106269	3.57	ng	# 87
88) Benzo(b)fluoranthene	24.078	252	273190	10.11	ng	# 94
89) Benzo(k)fluoranthene	24.078	252	273190	10.54	ng	# 94
90) Benzo(a)pyrene	24.830	252	137781	5.53	ng	96
92) Benzo(g,h,i)perylene	30.165	276	92518	3.76	ng	98

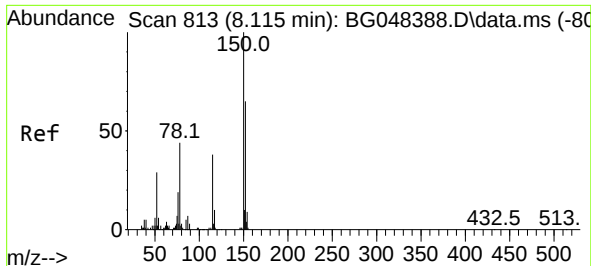
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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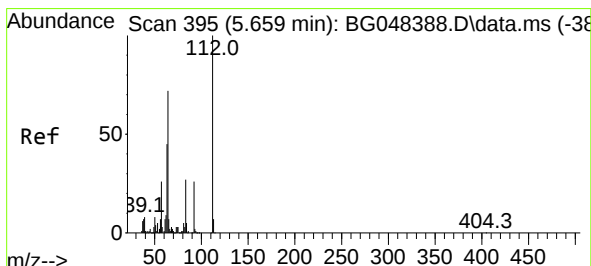
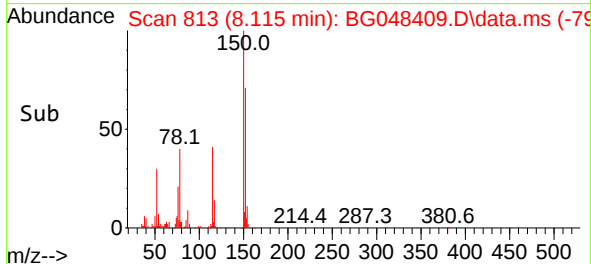
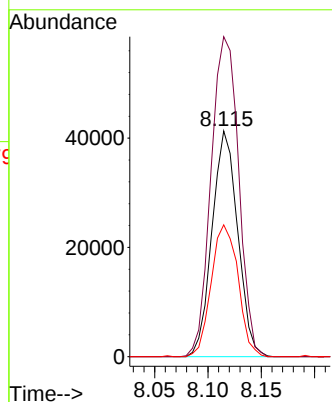
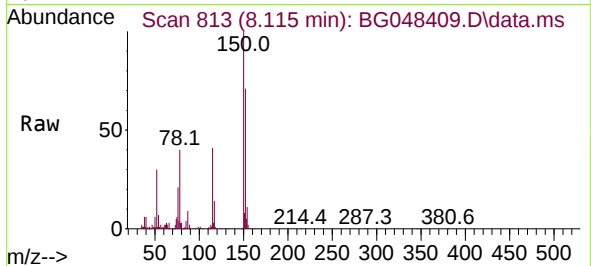




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.115 min Scan# 813
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

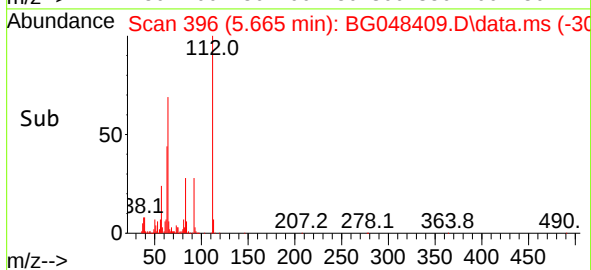
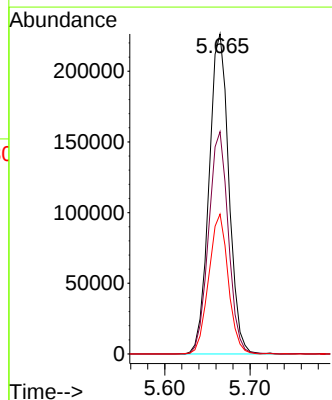
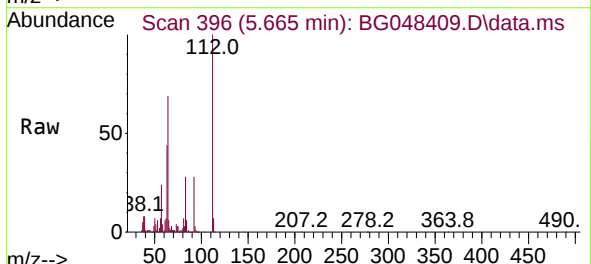
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-A

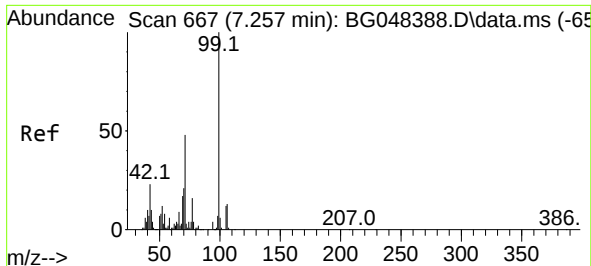
Tgt Ion:152 Resp: 69108
Ion Ratio Lower Upper
152 100
150 141.8 125.0 187.6
115 58.4 41.8 62.6



#5
2-Fluorophenol
Concen: 90.60 ng
RT: 5.665 min Scan# 396
Delta R.T. 0.005 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:112 Resp: 364520
Ion Ratio Lower Upper
112 100
64 69.4 46.7 70.1
63 43.7 22.8 34.2#

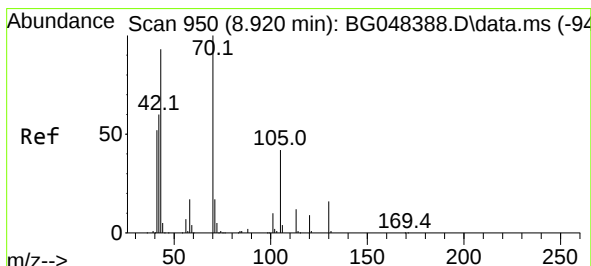
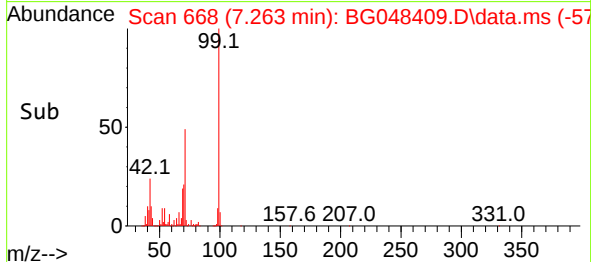
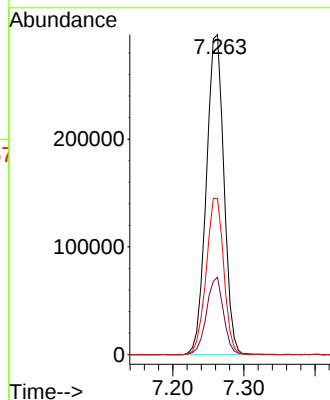
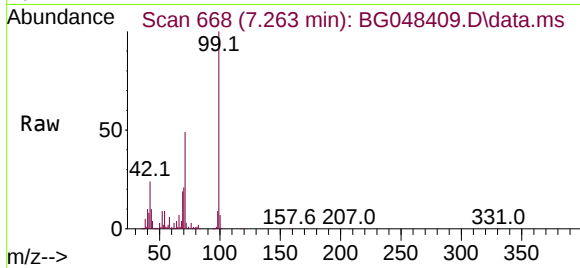




#7
Phenol-d6
Concen: 86.19 ng
RT: 7.263 min Scan# 668
Delta R.T. 0.005 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

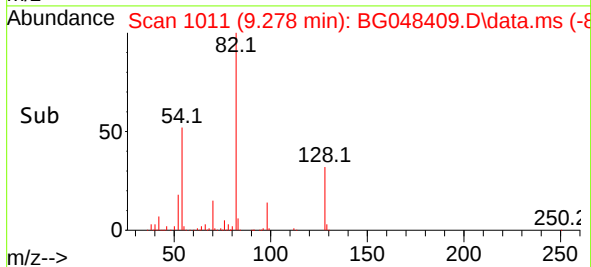
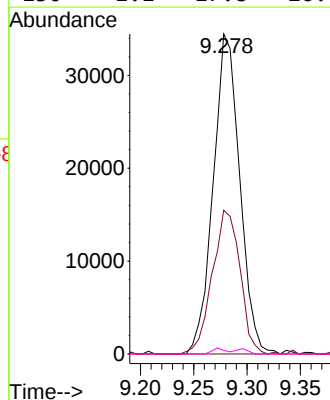
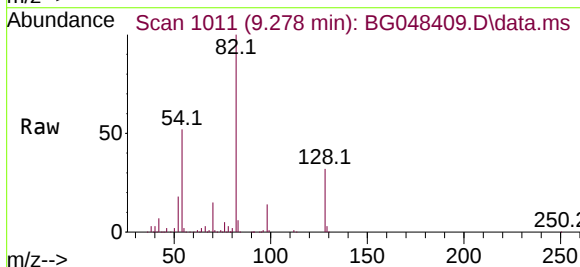
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-A

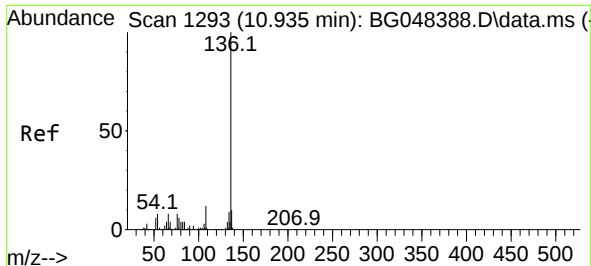
Tgt Ion: 99 Resp: 510906
Ion Ratio Lower Upper
99 100
42 24.2 12.8 19.2#
71 48.8 24.6 36.8#



#19
n-Nitroso-di-n-propylamine
Concen: 13.03 ng
RT: 9.278 min Scan# 1011
Delta R.T. 0.358 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion: 70 Resp: 59527
Ion Ratio Lower Upper
70 100
42 44.9 45.6 68.4#
101 0.0 8.4 12.6#
130 1.1 17.8 26.8#

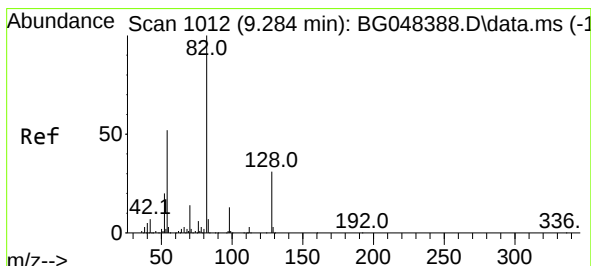
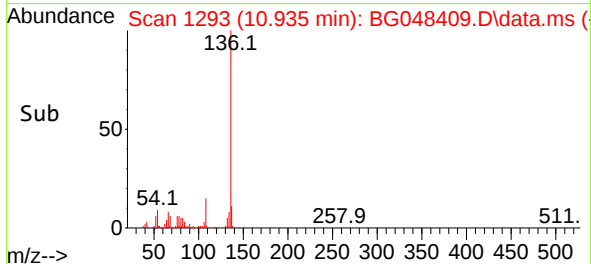
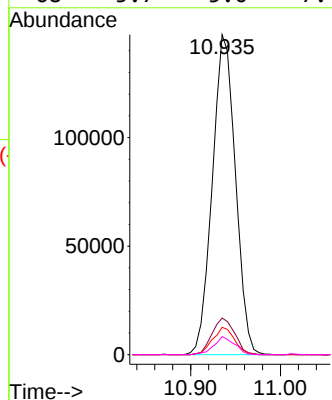
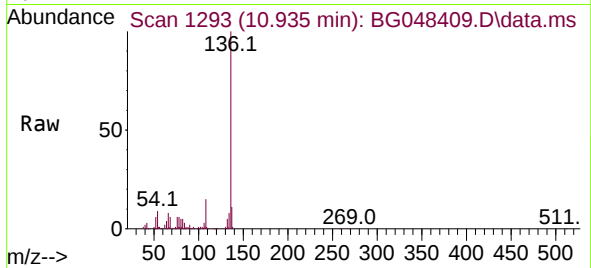




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.935 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

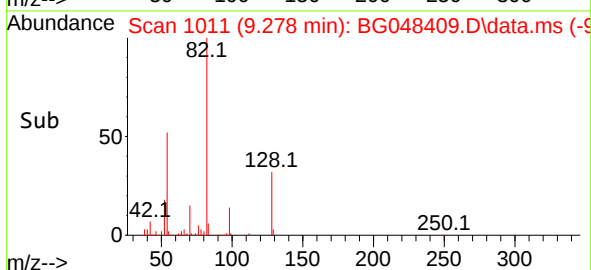
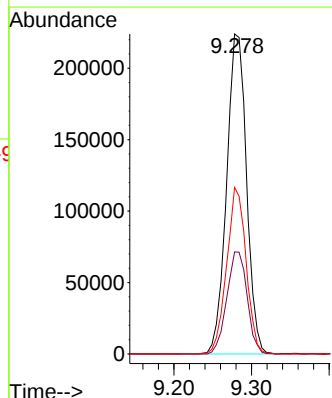
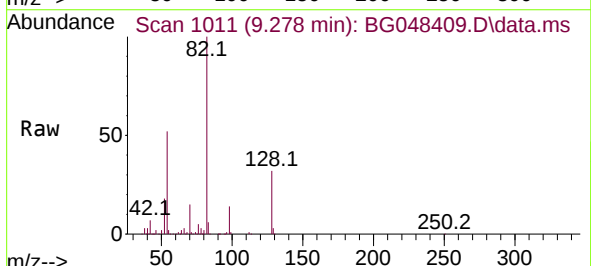
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-A

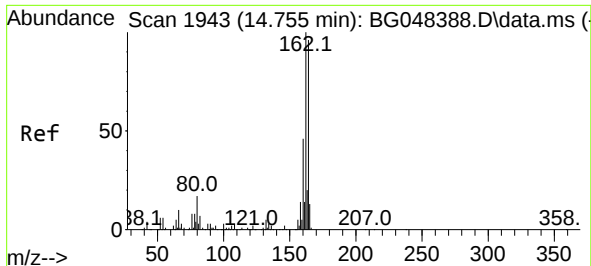
Tgt Ion:	136	Resp:	263545
Ion Ratio	Lower	Upper	
136	100		
137	11.5	9.1	13.7
54	8.5	6.2	9.4
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 67.50 ng
RT: 9.278 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:	82	Resp:	400365
Ion Ratio	Lower	Upper	
82	100		
128	31.9	37.0	55.6#
54	52.1	39.0	58.4

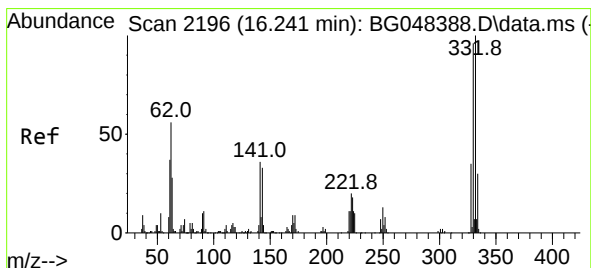
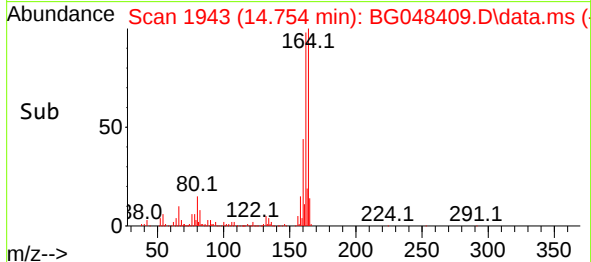
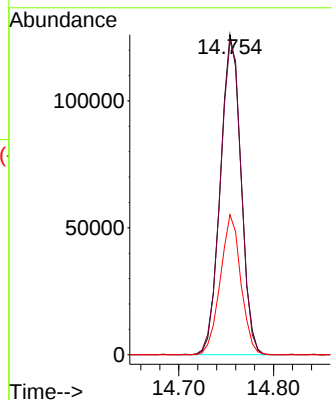
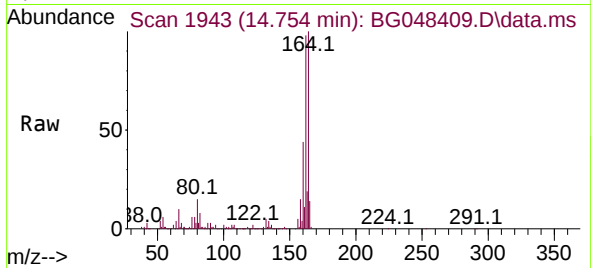




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.754 min Scan# 1943
Delta R.T. -0.001 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

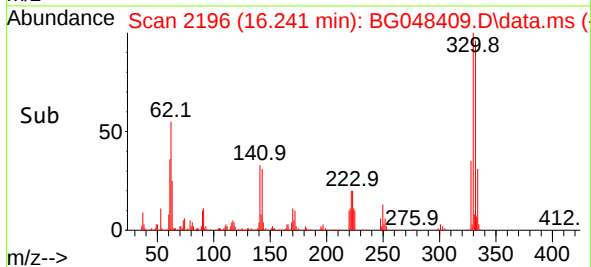
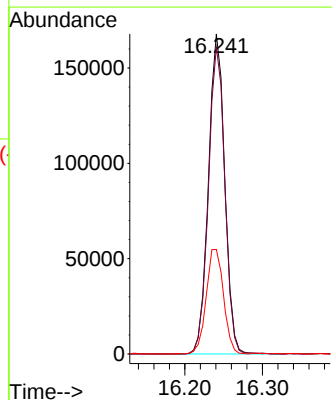
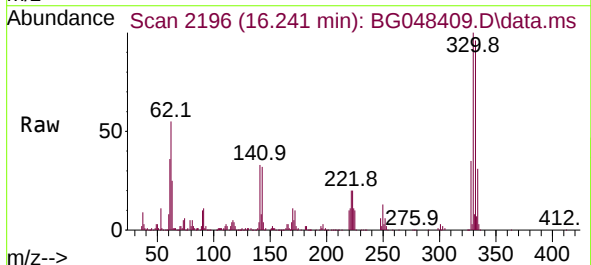
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-A

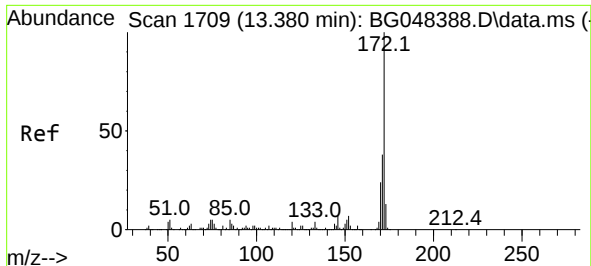
Tgt Ion:164 Resp: 190299
Ion Ratio Lower Upper
164 100
162 97.9 82.3 123.5
160 43.8 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 101.02 ng
RT: 16.241 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:330 Resp: 245946
Ion Ratio Lower Upper
330 100
332 96.1 76.5 114.7
141 34.8 26.0 39.0

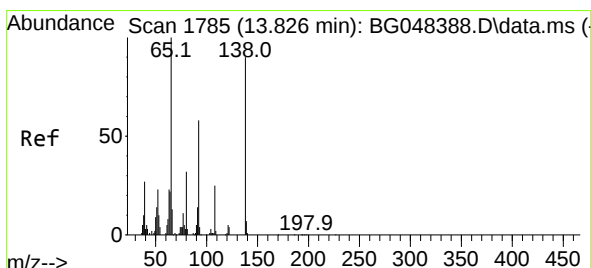
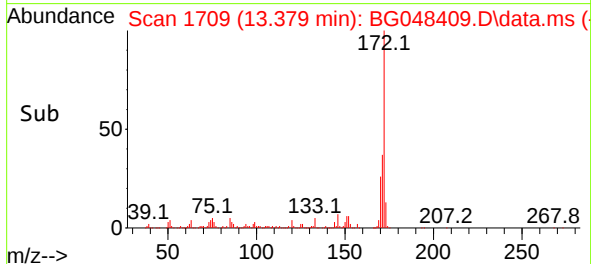
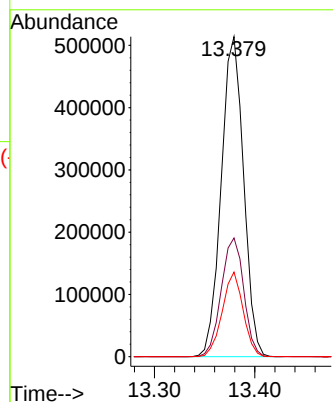
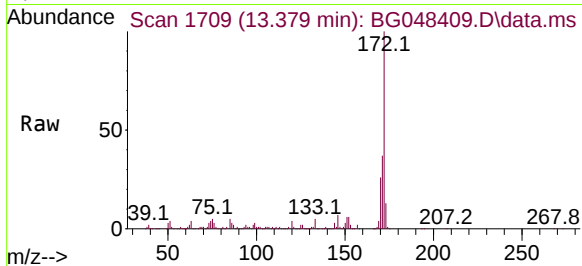




#45
2-Fluorobiphenyl
Concen: 58.76 ng
RT: 13.379 min Scan# 1709
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

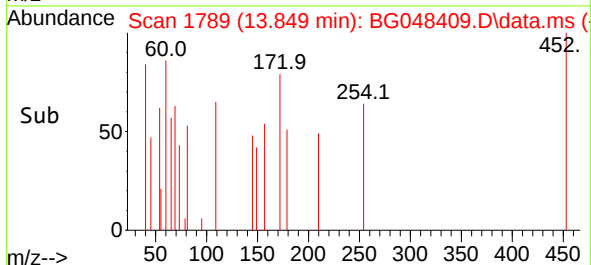
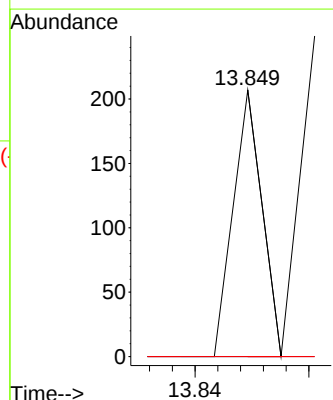
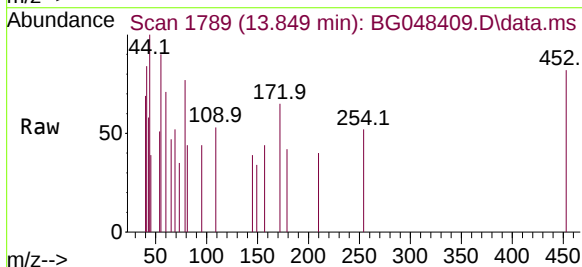
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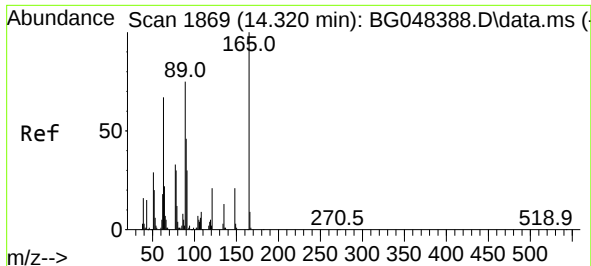
Tgt Ion:	172	Resp:	793433
Ion Ratio	Lower	Upper	
172	100		
171	37.1	31.3	46.9
170	26.4	20.8	31.2



#48
2-Nitroaniline
Concen: 3.49 ng
RT: 13.849 min Scan# 1789
Delta R.T. 0.023 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:	65	Resp:	73
Ion Ratio	Lower	Upper	
65	100		
92	0.0	58.6	88.0#
138	0.0	98.2	147.4#

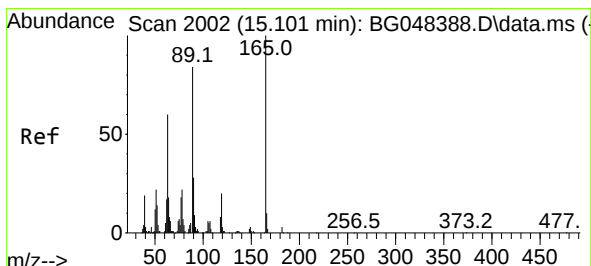
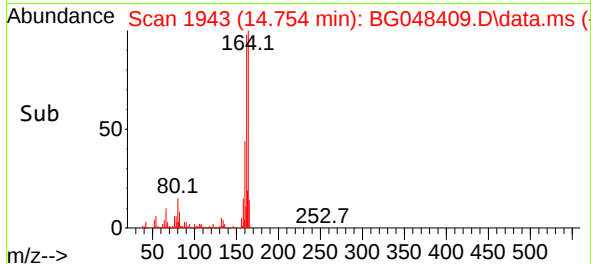
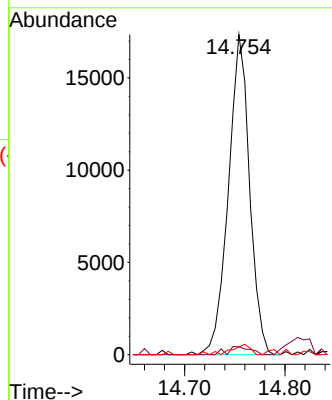
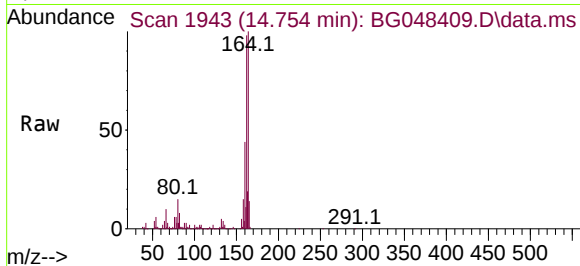




#51
2,6-Dinitrotoluene
Concen: 9.15 ng
RT: 14.754 min Scan# 1943
Delta R.T. 0.434 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

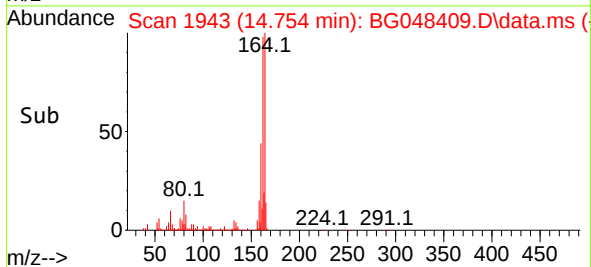
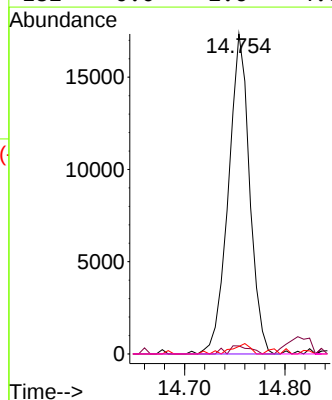
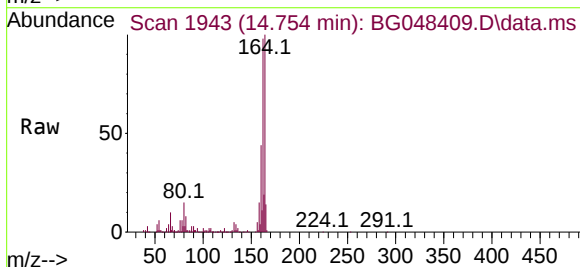
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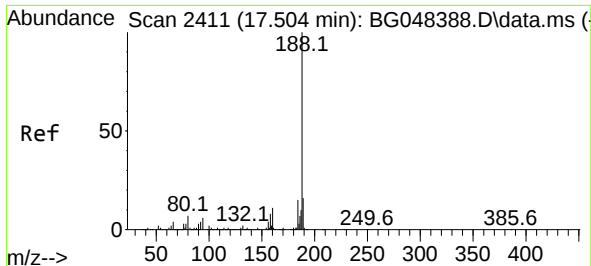
Tgt Ion:165 Resp: 25461
Ion Ratio Lower Upper
165 100
63 2.5 33.7 50.5#
89 2.3 36.6 54.8#



#57
2,4-Dinitrotoluene
Concen: 7.81 ng
RT: 14.754 min Scan# 1943
Delta R.T. -0.347 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:165 Resp: 25461
Ion Ratio Lower Upper
165 100
63 2.5 26.4 39.6#
89 2.3 47.8 71.8#
182 0.0 2.6 4.0#

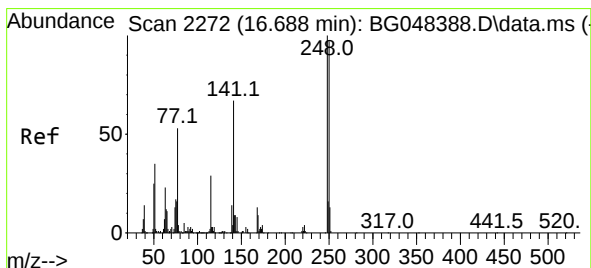
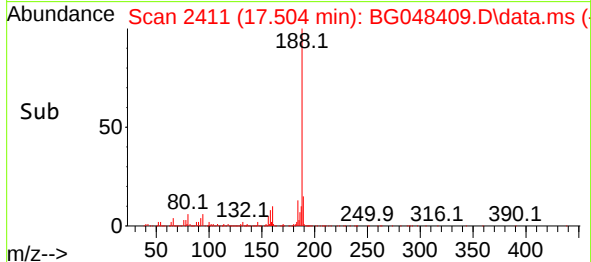
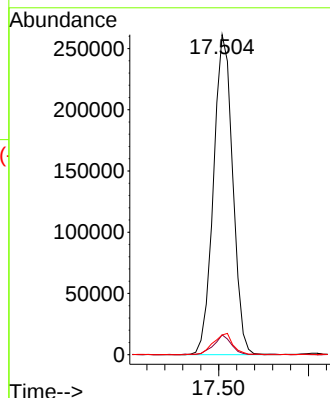
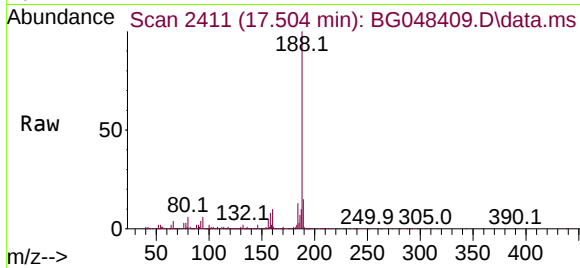




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.504 min Scan# 2411
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

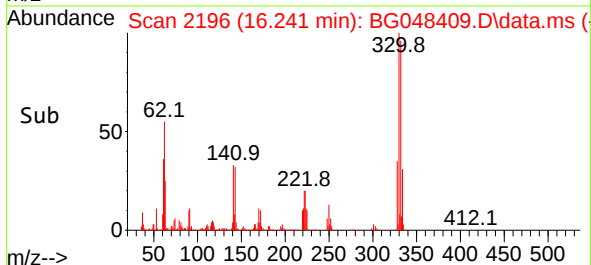
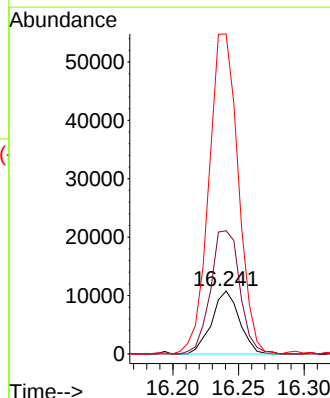
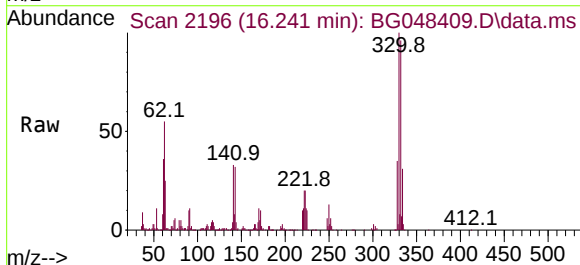
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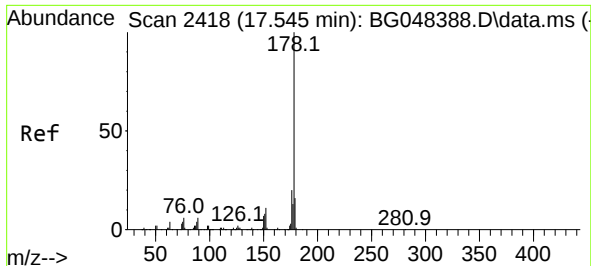
Tgt Ion:188 Resp: 388395
Ion Ratio Lower Upper
188 100
94 6.2 6.3 9.5#
80 6.2 7.0 10.6#



#67
4-Bromophenyl-phenylether
Concen: 3.38 ng
RT: 16.241 min Scan# 2196
Delta R.T. -0.447 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:248 Resp: 15763
Ion Ratio Lower Upper
248 100
250 196.0 78.9 118.3#
141 509.2 46.2 69.4#

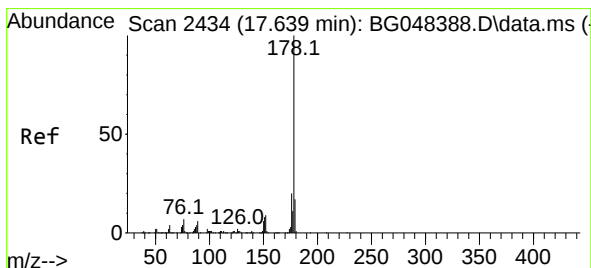
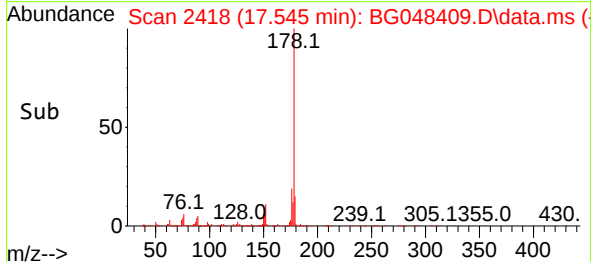
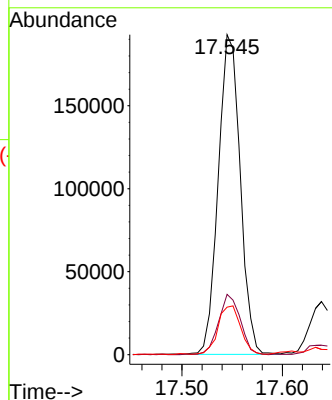
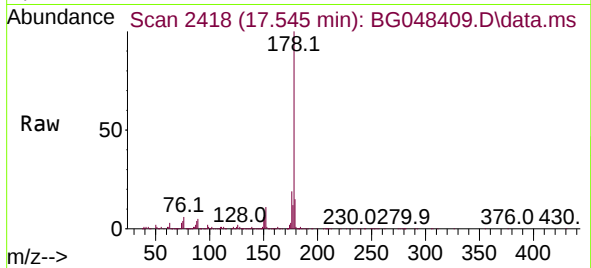




#71
Phenanthrene
Concen: 14.29 ng
RT: 17.545 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

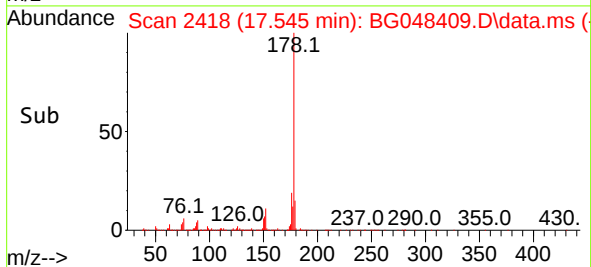
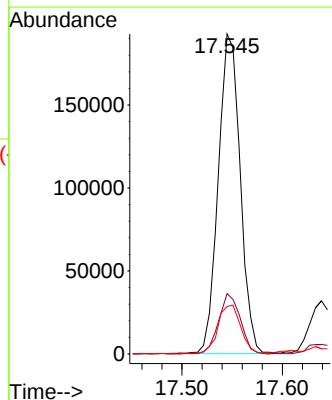
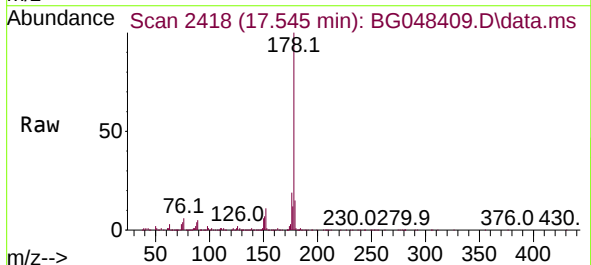
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-A

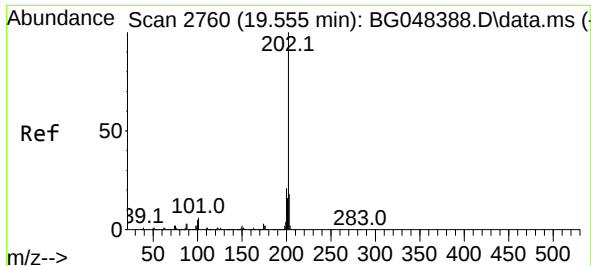
Tgt Ion:178 Resp: 292542
Ion Ratio Lower Upper
178 100
176 18.8 16.7 25.1
179 14.8 14.0 21.0



#72
Anthracene
Concen: 14.40 ng
RT: 17.545 min Scan# 2418
Delta R.T. -0.094 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:178 Resp: 292542
Ion Ratio Lower Upper
178 100
176 18.8 16.4 24.6
179 14.8 13.8 20.6

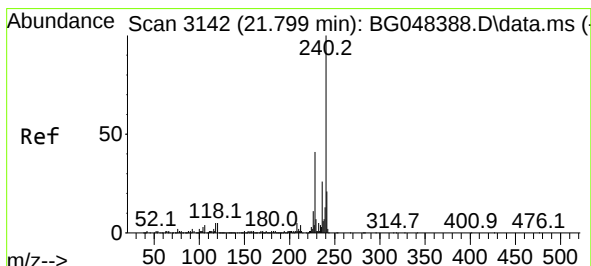
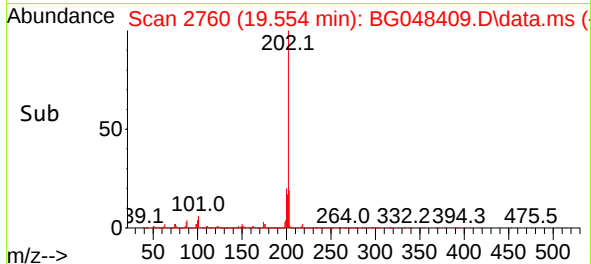
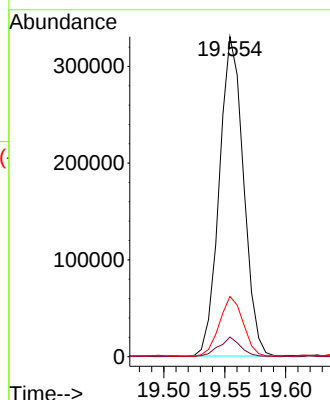
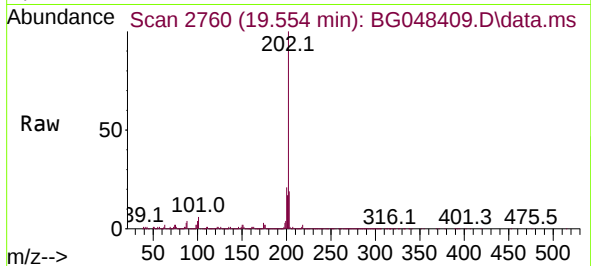




#75
Fluoranthene
Concen: 16.75 ng
RT: 19.554 min Scan# 2760
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

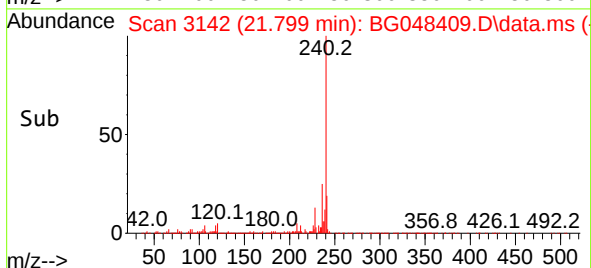
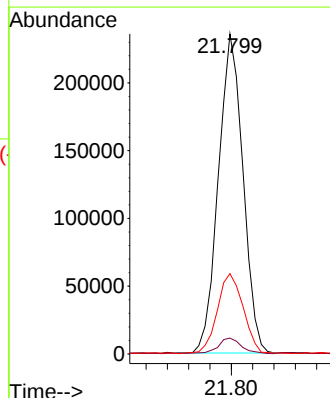
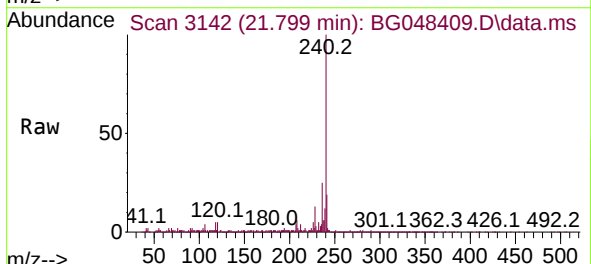
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-A

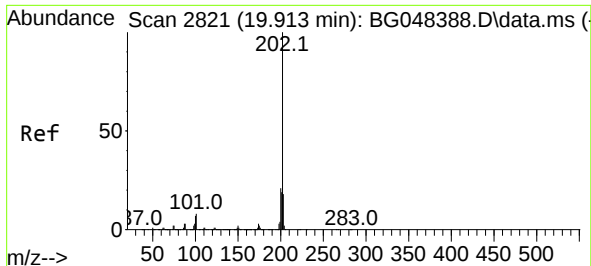
Tgt Ion:	202	Resp:	454811
Ion Ratio	Lower	Upper	
202	100		
101	6.2	0.0	29.7
203	18.8	0.0	39.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.799 min Scan# 3142
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:	240	Resp:	376390
Ion Ratio	Lower	Upper	
240	100		
120	4.9	6.2	9.4#
236	25.1	20.5	30.7

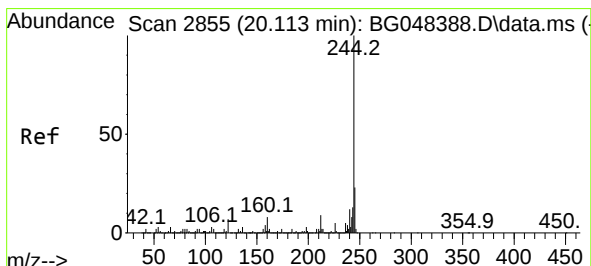
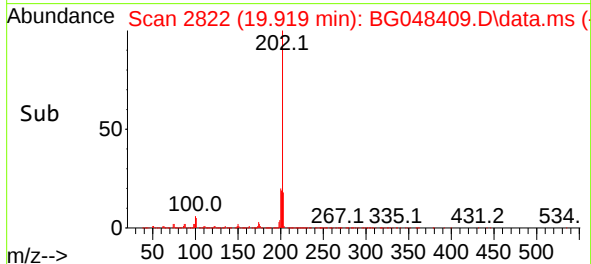
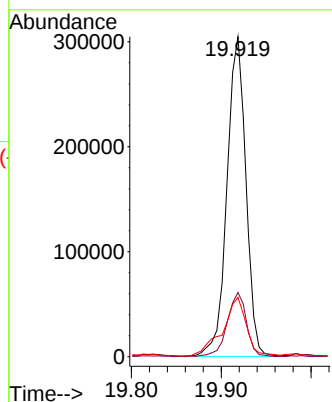
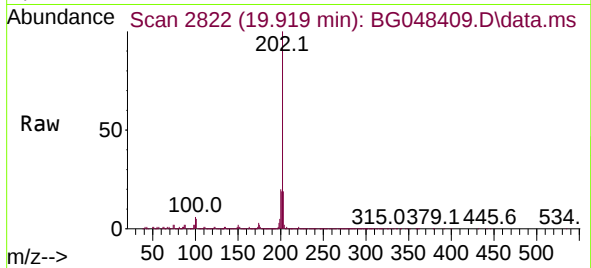




#78
Pyrene
Concen: 17.81 ng
RT: 19.919 min Scan# 2822
Delta R.T. 0.005 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

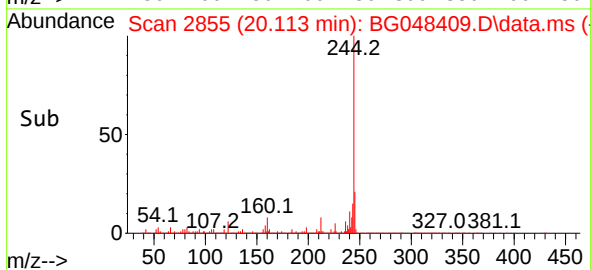
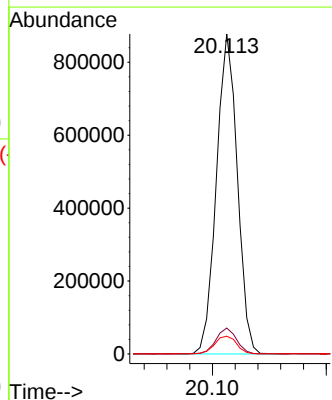
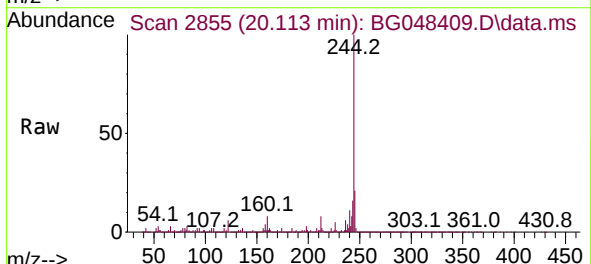
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-A

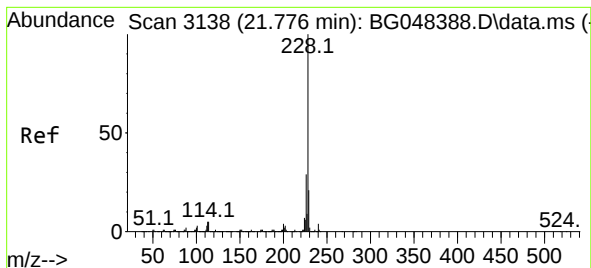
Tgt Ion:202 Resp: 446409
Ion Ratio Lower Upper
202 100
200 20.0 18.6 27.8
203 18.6 15.3 22.9



#79
Terphenyl-d14
Concen: 57.45 ng
RT: 20.113 min Scan# 2855
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:244 Resp: 1118910
Ion Ratio Lower Upper
244 100
212 8.1 6.7 10.1
122 5.5 7.8 11.6#

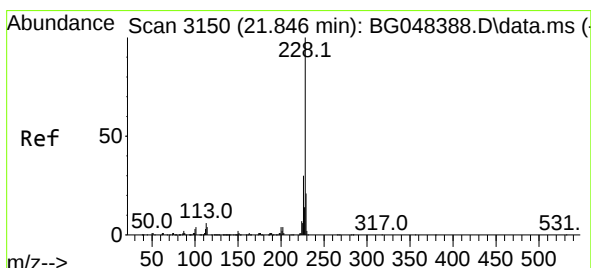
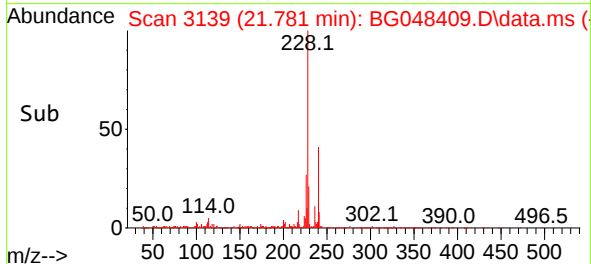
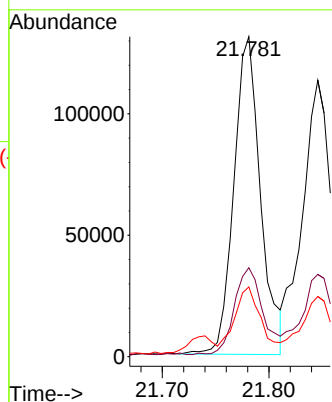
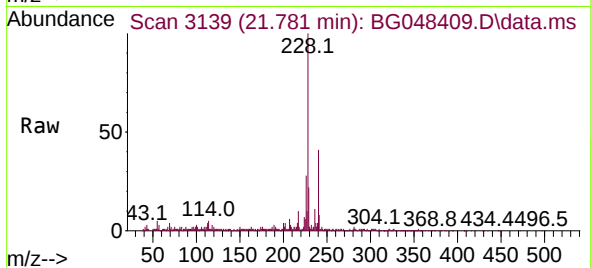




#81
Benzo(a)anthracene
Concen: 8.72 ng
RT: 21.781 min Scan# 3139
Delta R.T. 0.005 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

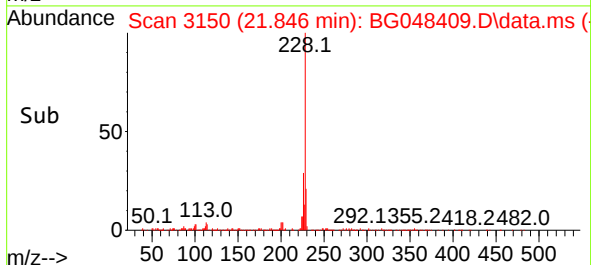
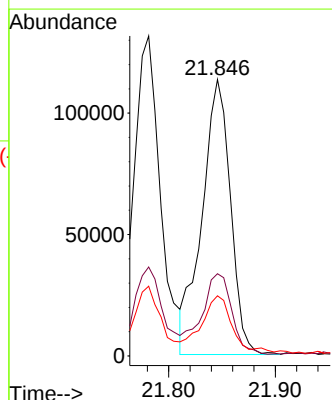
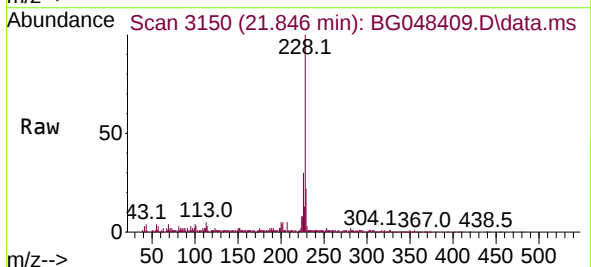
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-A

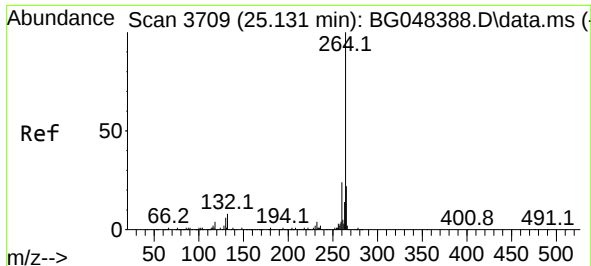
Tgt Ion:228 Resp: 227556
Ion Ratio Lower Upper
228 100
226 27.8 23.3 34.9
229 21.8 17.4 26.0



#83
Chrysene
Concen: 8.48 ng
RT: 21.846 min Scan# 3150
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:228 Resp: 211019
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.4
229 21.8 17.3 25.9

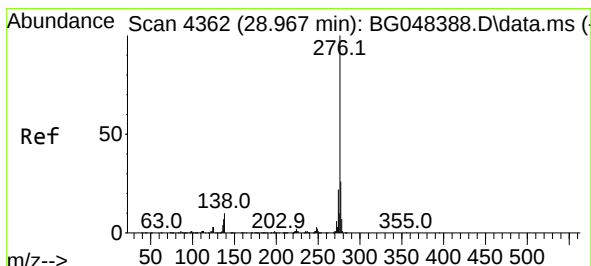
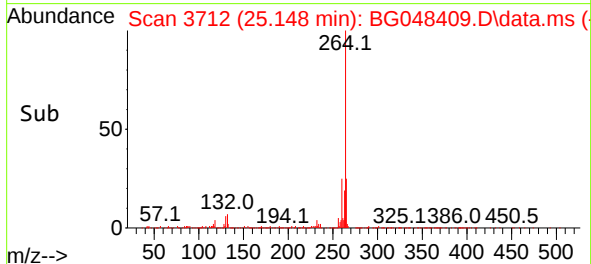
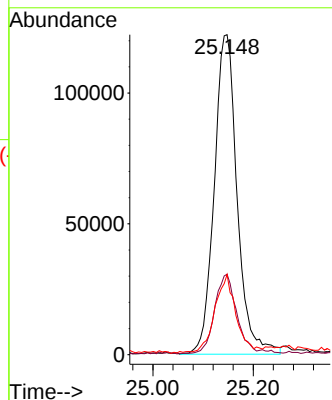
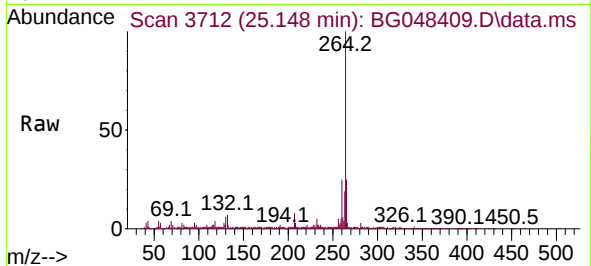




#86
Perylene-d12
Concen: 20.00 ng
RT: 25.148 min Scan# 3712
Delta R.T. 0.017 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

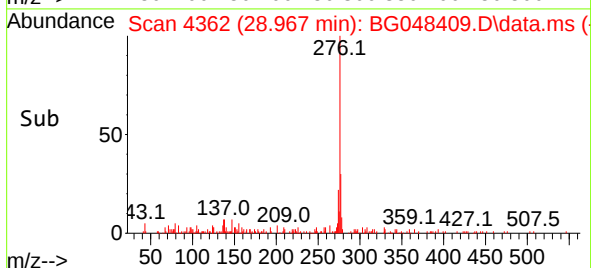
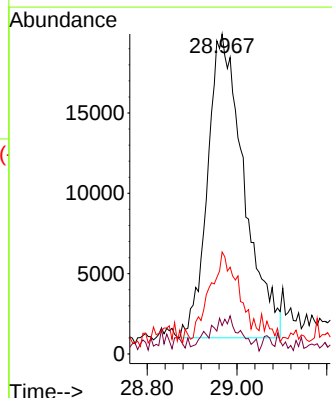
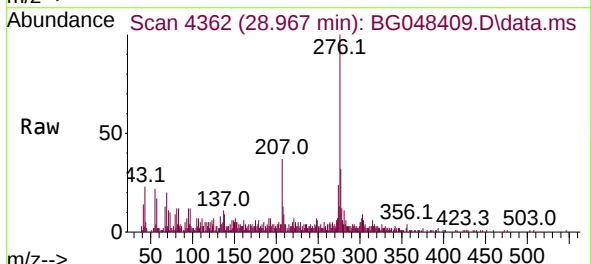
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-A

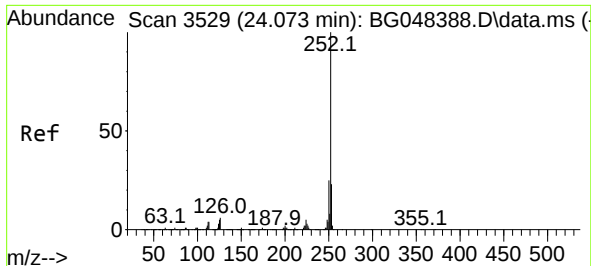
Tgt Ion:264 Resp: 387496
Ion Ratio Lower Upper
264 100
260 25.2 18.8 28.2
265 25.0 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.57 ng
RT: 28.967 min Scan# 4362
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:276 Resp: 106269
Ion Ratio Lower Upper
276 100
138 7.7 16.2 24.2#
277 24.8 20.3 30.5

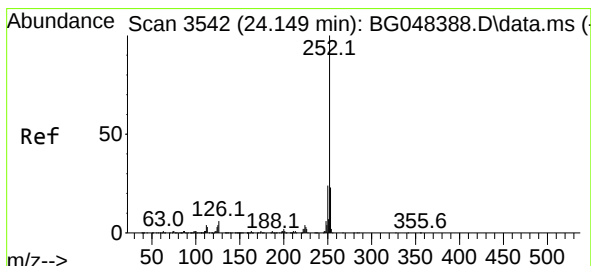
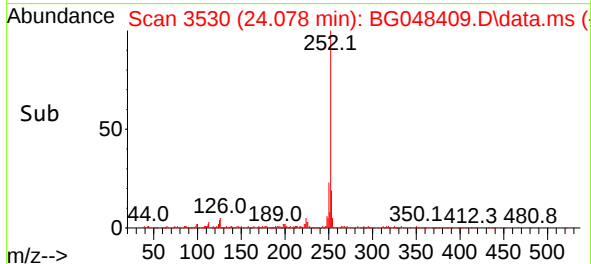
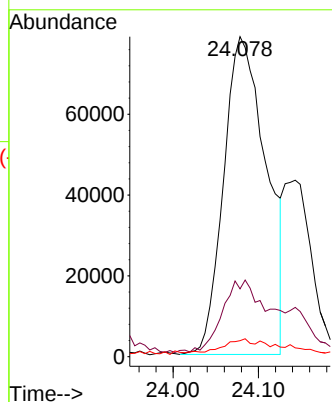
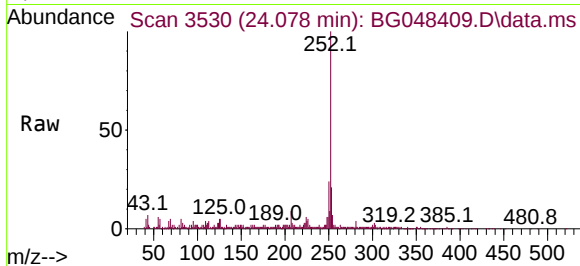




#88
Benzo(b)fluoranthene
Concen: 10.11 ng
RT: 24.078 min Scan# 3530
Delta R.T. 0.005 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

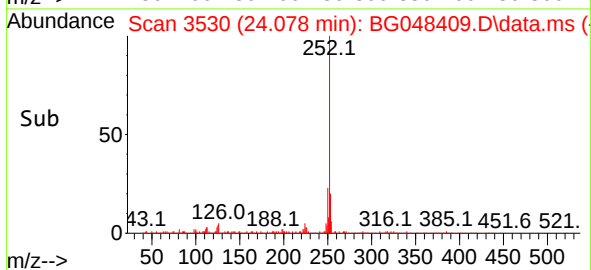
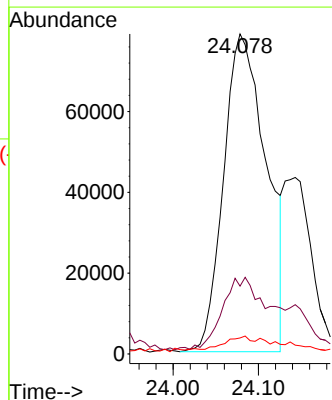
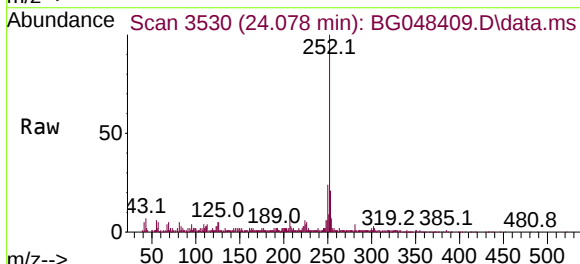
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-A

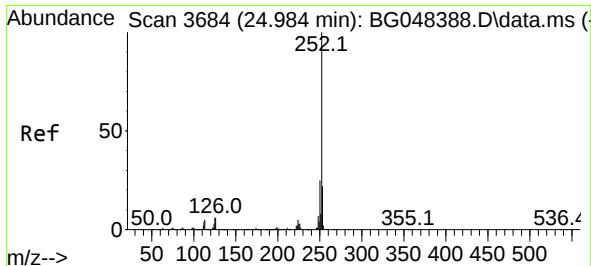
Tgt Ion:252 Resp: 273190
Ion Ratio Lower Upper
252 100
253 21.2 18.7 28.1
125 5.0 6.5 9.7#



#89
Benzo(k)fluoranthene
Concen: 10.54 ng
RT: 24.078 min Scan# 3530
Delta R.T. -0.071 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:252 Resp: 273190
Ion Ratio Lower Upper
252 100
253 21.2 18.6 27.8
125 5.0 6.8 10.2#

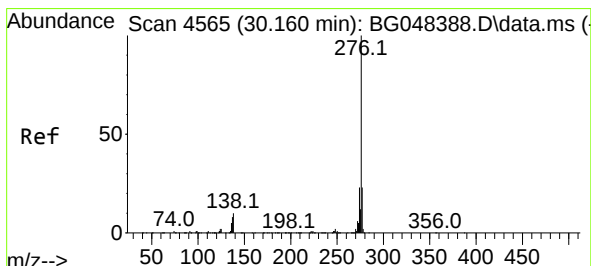
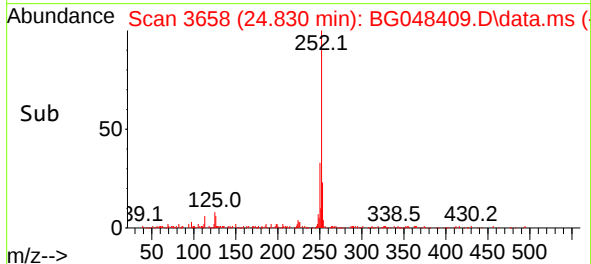
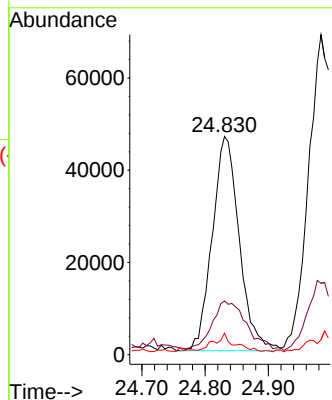
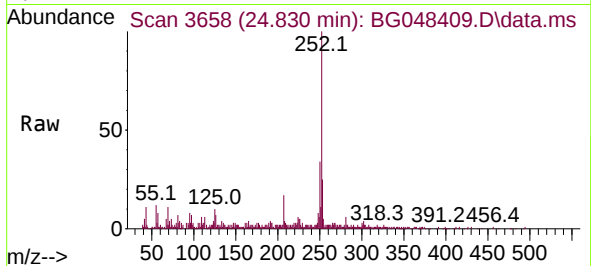




#90
Benzo(a)pyrene
Concen: 5.53 ng
RT: 24.830 min Scan# 3658
Delta R.T. -0.153 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-A

Tgt Ion:252 Resp: 137781
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 9.9 7.0 10.4



#92
Benzo(g,h,i)perylene
Concen: 3.76 ng
RT: 30.165 min Scan# 4566
Delta R.T. 0.005 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:276 Resp: 92518
Ion Ratio Lower Upper
276 100
277 24.4 19.6 29.4
138 14.3 13.4 20.2

