

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042121\
 Data File : BG048831.D
 Acq On : 21 Apr 2021 22:48
 Operator : CG/JU
 Sample : M2024-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-071-A

Quant Time: Apr 22 01:02:30 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

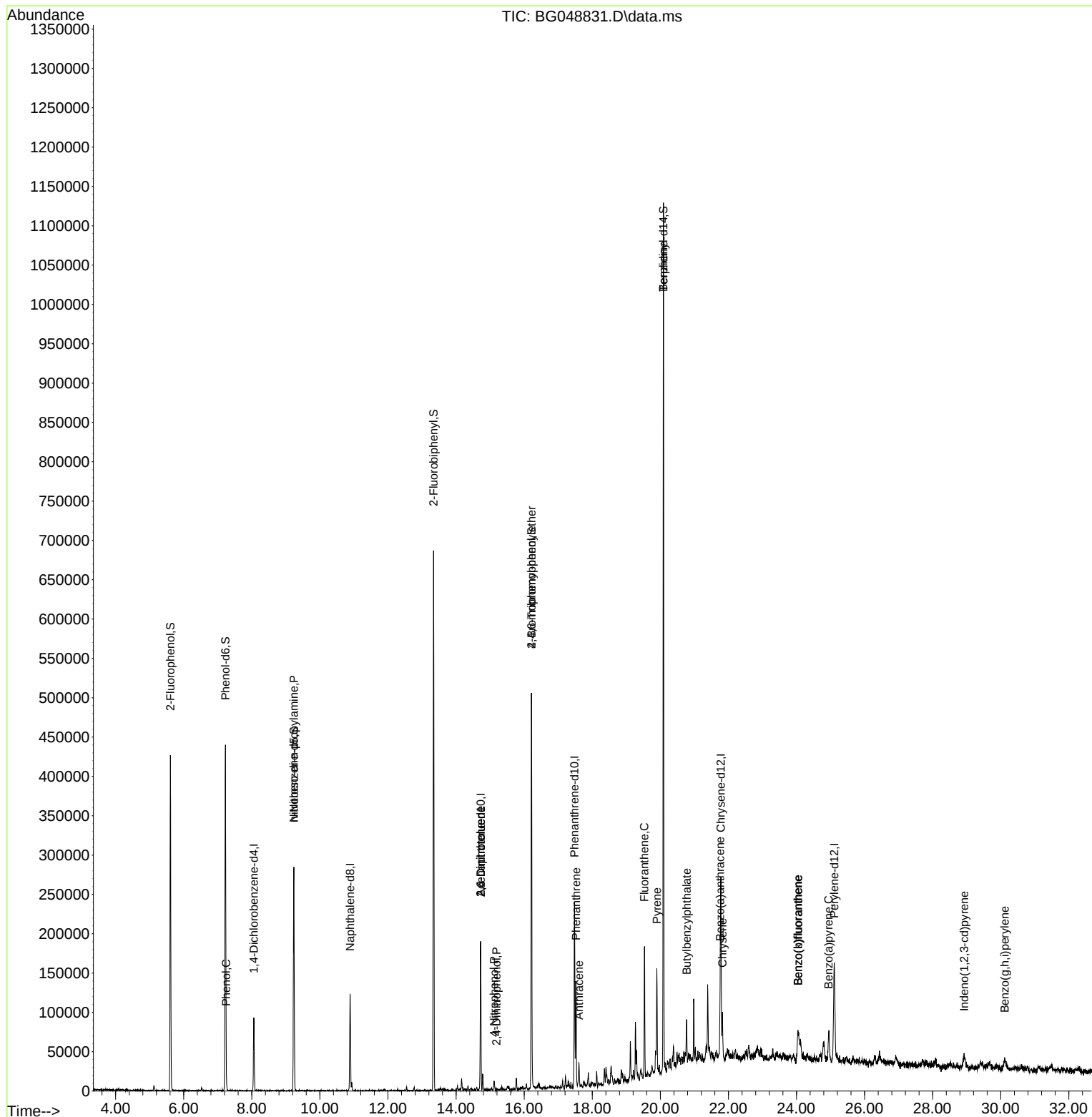
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.059	152	22010	20.00	ng	0.00
21) Naphthalene-d8	10.891	136	99073	20.00	ng	# 0.00
39) Acenaphthene-d10	14.722	164	66475	20.00	ng	0.00
64) Phenanthrene-d10	17.477	188	139093	20.00	ng	# 0.00
76) Chrysene-d12	21.778	240	127187	20.00	ng	0.00
86) Perylene-d12	25.110	264	126449	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.609	112	163664	124.37	ng	0.00
7) Phenol-d6	7.225	99	212794	114.32	ng	0.00
23) Nitrobenzene-d5	9.234	82	158141	71.46	ng	0.00
42) 2,4,6-Tribromophenol	16.214	330	83279	93.44	ng	0.00
45) 2-Fluorobiphenyl	13.341	172	338557	73.55	ng	0.00
79) Terphenyl-d14	20.092	244	464054	62.80	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.248	94	5476	2.99	ng	# 68
19) n-Nitroso-di-n-propyla...	9.234	70	26120	20.80	ng	# 70
51) 2,6-Dinitrotoluene	14.722	165	8791	7.64	ng	# 10
54) 2,4-Dinitrophenol	15.192	184	59	5.36	ng	# 8
56) 4-Nitrophenol	15.115	139	2892	3.53	ng	# 1
57) 2,4-Dinitrotoluene	14.722	165	8791	5.26	ng	# 15
67) 4-Bromophenyl-phenylether	16.214	248	5784	3.61	ng	# 1
71) Phenanthrene	17.524	178	83641	11.59	ng	94
72) Anthracene	17.612	178	18542	2.60	ng	95
75) Fluoranthene	19.534	202	97435	10.67	ng	97
77) Benzidine	20.092	184	9322	2.70	ng	95
78) Pyrene	19.898	202	86652	9.85	ng	97
80) Butylbenzylphthalate	20.773	149	11334	3.29	ng	97
81) Benzo(a)anthracene	21.755	228	42924	4.94	ng	98
83) Chrysene	21.825	228	40941	4.95	ng	97
87) Indeno(1,2,3-cd)pyrene	28.929	276	24851	2.68	ng	# 82
88) Benzo(b)fluoranthene	24.046	252	52291	6.10	ng	# 99
89) Benzo(k)fluoranthene	24.046	252	52291	6.48	ng	# 95
90) Benzo(a)pyrene	24.945	252	37287	4.72	ng	93
92) Benzo(g,h,i)perylene	30.115	276	21247	2.70	ng	# 90

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

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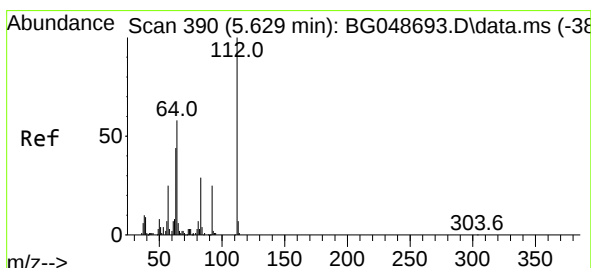
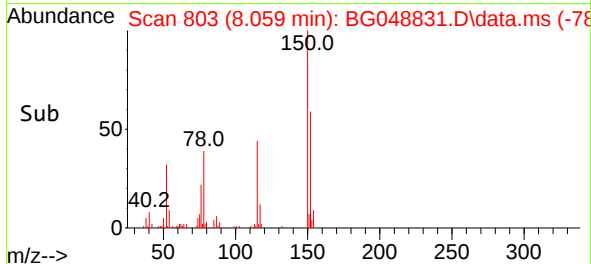
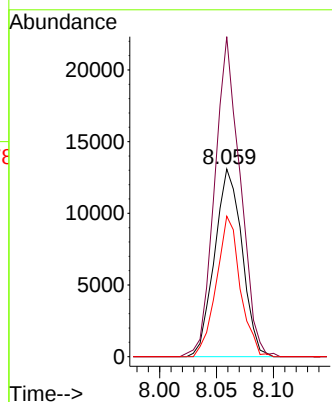
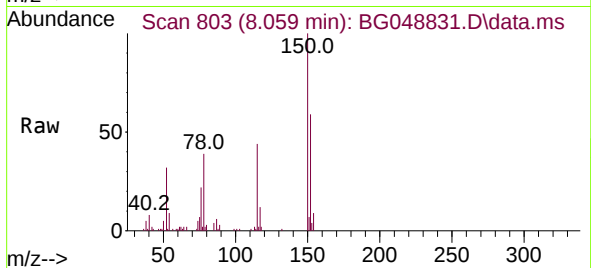




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.059 min Scan# 803
Delta R.T. -0.002 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

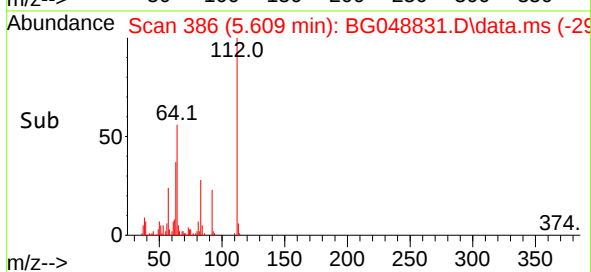
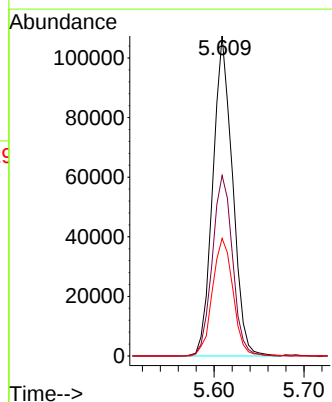
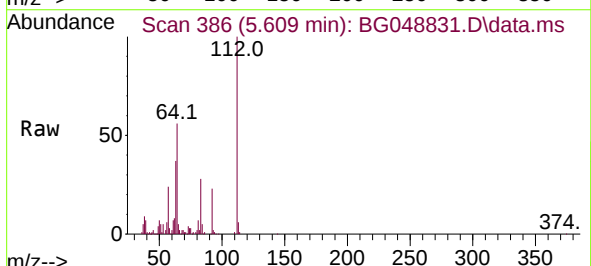
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BNA_G
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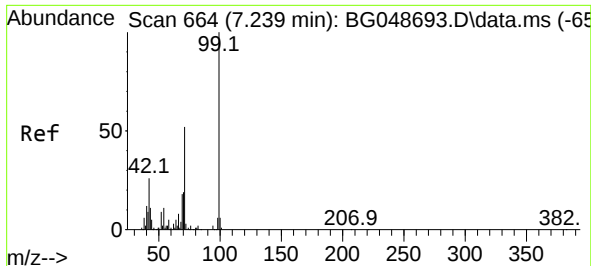
Tgt Ion:152 Resp: 22010
Ion Ratio Lower Upper
152 100
150 170.5 119.4 179.0
115 74.8 60.2 90.4



#5
2-Fluorophenol
Concen: 124.37 ng
RT: 5.609 min Scan# 386
Delta R.T. 0.004 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

Tgt Ion:112 Resp: 163664
Ion Ratio Lower Upper
112 100
64 56.4 46.7 70.1
63 36.8 35.3 52.9

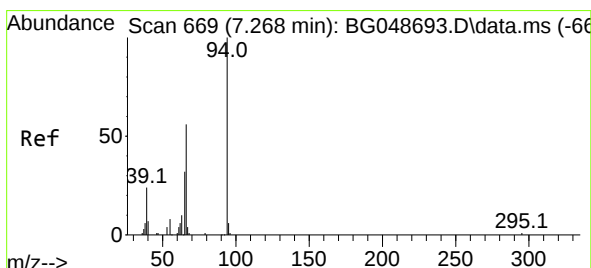
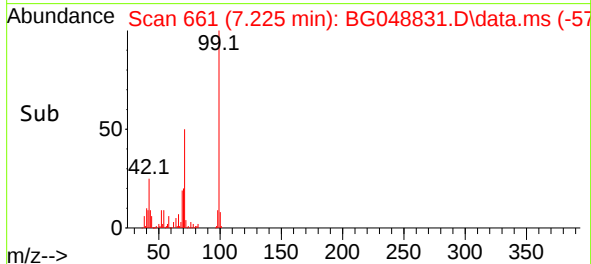
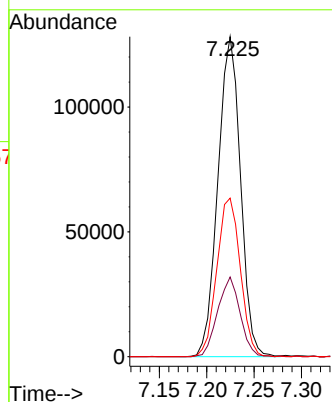
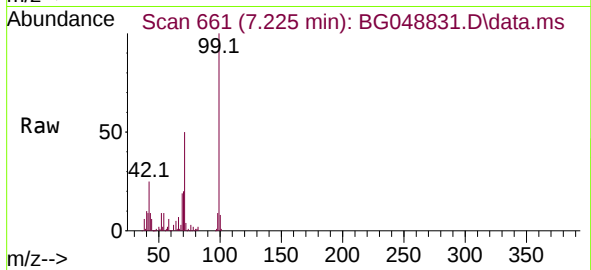




#7
Phenol-d6
Concen: 114.32 ng
RT: 7.225 min Scan# 661
Delta R.T. 0.004 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

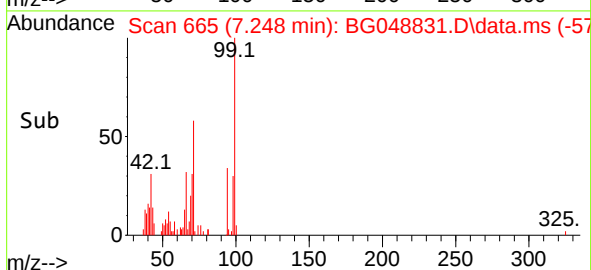
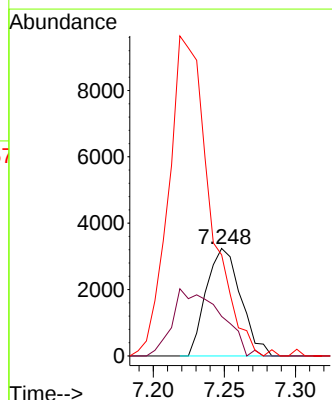
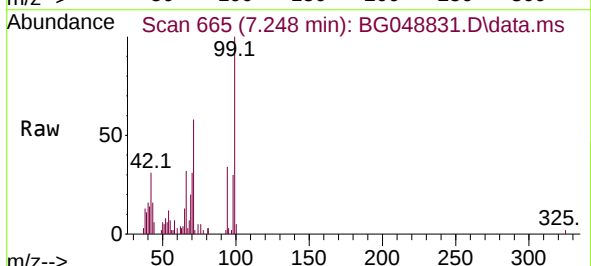
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-071-A

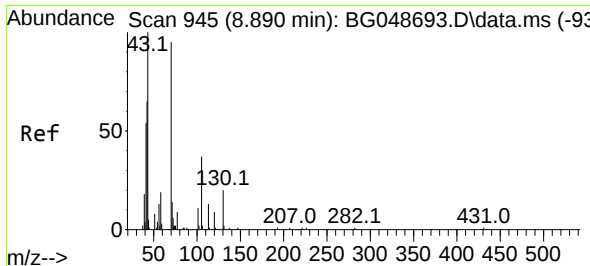
Tgt Ion: 99 Resp: 212794
Ion Ratio Lower Upper
99 100
42 24.9 20.5 30.7
71 49.5 41.5 62.3



#10
Phenol
Concen: 2.99 ng
RT: 7.248 min Scan# 665
Delta R.T. -0.002 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

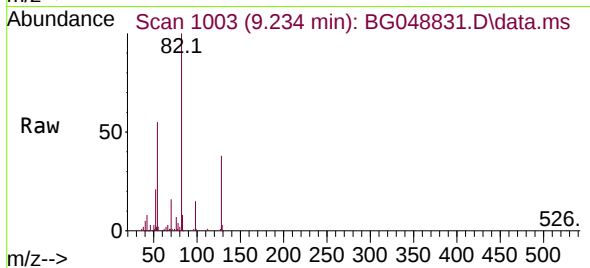
Tgt Ion: 94 Resp: 5476
Ion Ratio Lower Upper
94 100
65 36.8 12.9 52.9
66 94.1 39.4 79.4#



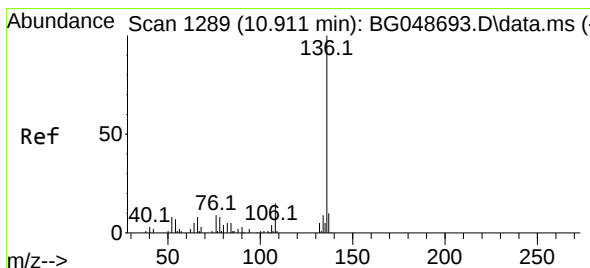
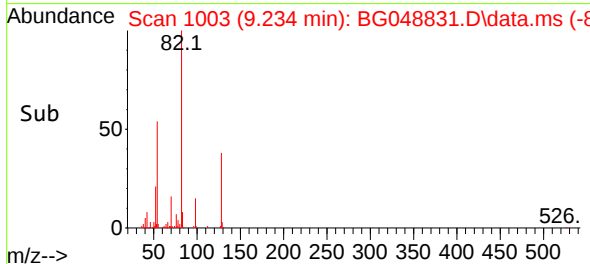
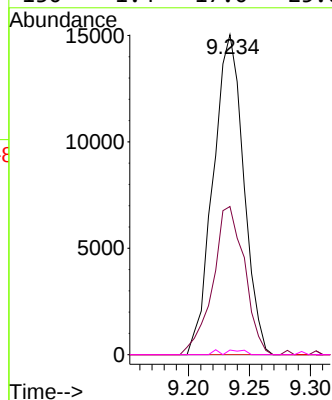


#19
n-Nitroso-di-n-propylamine
Concen: 20.80 ng
RT: 9.234 min Scan# 1003
Delta R.T. 0.362 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-071-A

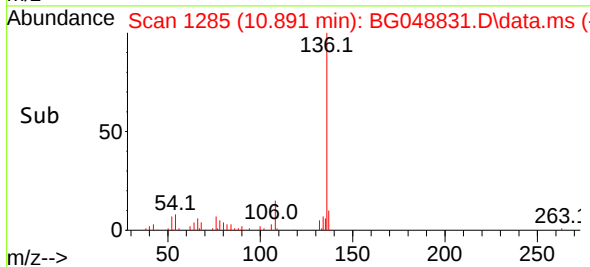
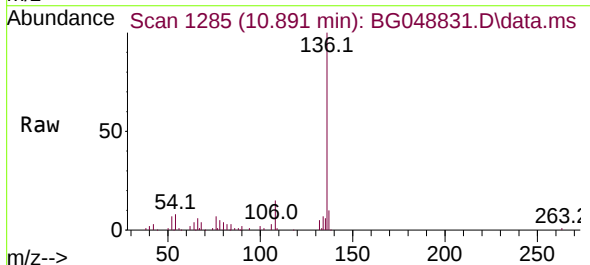
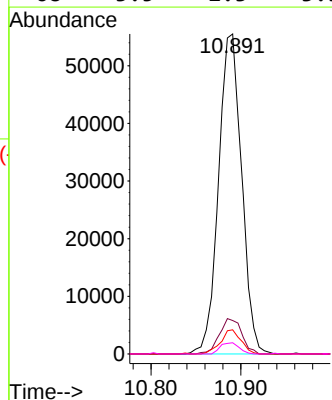


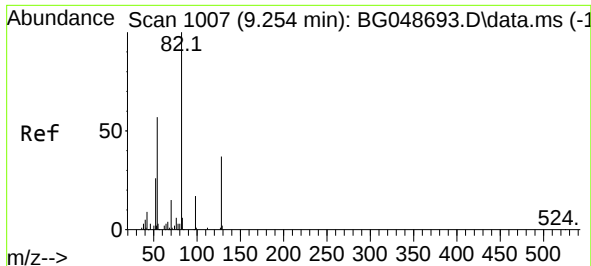
Tgt Ion:	70	Resp:	26120
Ion Ratio	Lower	Upper	
70	100		
42	46.3	54.5	81.7#
101	0.0	9.0	13.6#
130	1.4	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.891 min Scan# 1285
Delta R.T. -0.002 min
Lab File: BG048831.D
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Tgt Ion:	136	Resp:	99073
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.2	12.2
54	7.6	5.5	8.3
68	3.5	2.3	3.5#

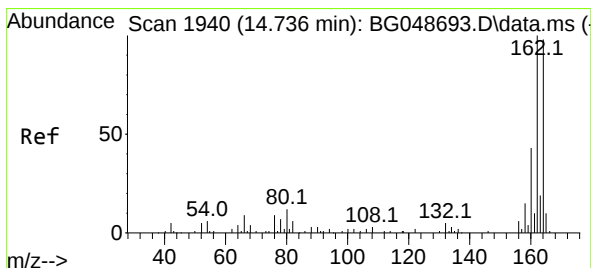
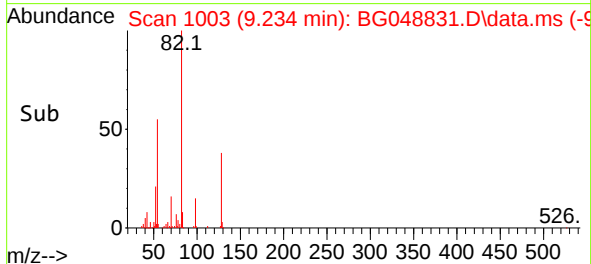
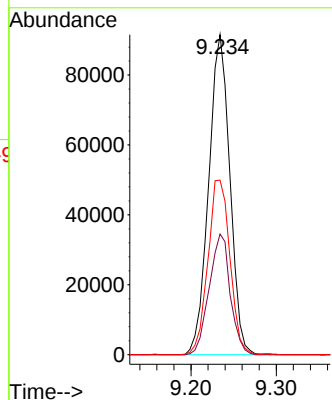
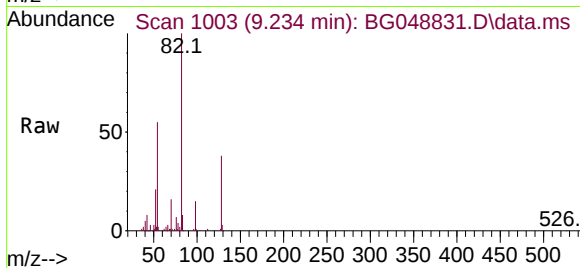




#23
Nitrobenzene-d5
Concen: 71.46 ng
RT: 9.234 min Scan# 1003
Delta R.T. -0.002 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

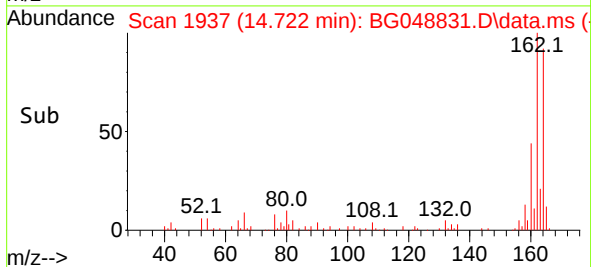
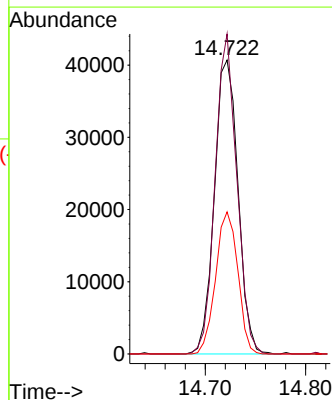
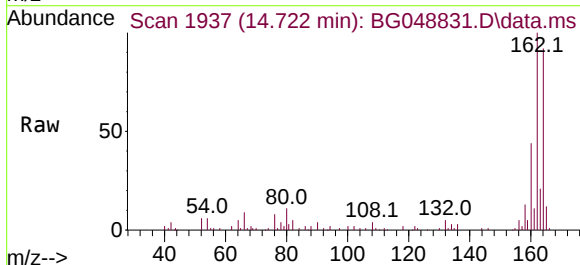
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ClientSampleId :
FK-GF-02-071-A

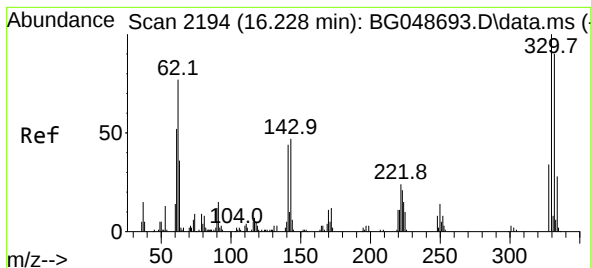
Tgt Ion: 82 Resp: 158141
Ion Ratio Lower Upper
82 100
128 37.7 29.8 44.6
54 54.6 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.722 min Scan# 1937
Delta R.T. -0.002 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

Tgt Ion:164 Resp: 66475
Ion Ratio Lower Upper
164 100
162 108.9 81.4 122.0
160 48.3 34.9 52.3

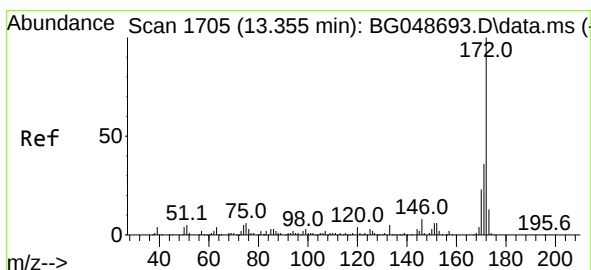
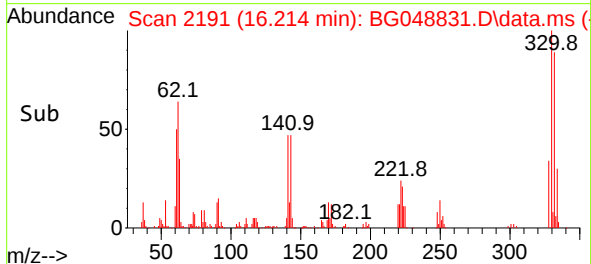
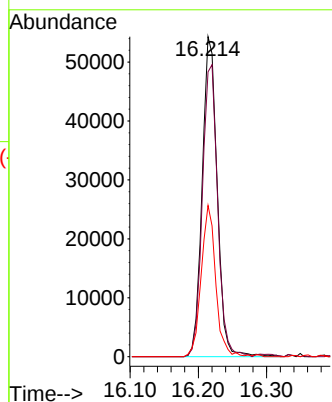
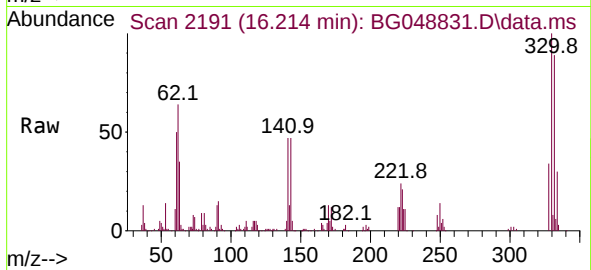




#42
2,4,6-Tribromophenol
Concen: 93.44 ng
RT: 16.214 min Scan# 2191
Delta R.T. -0.002 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

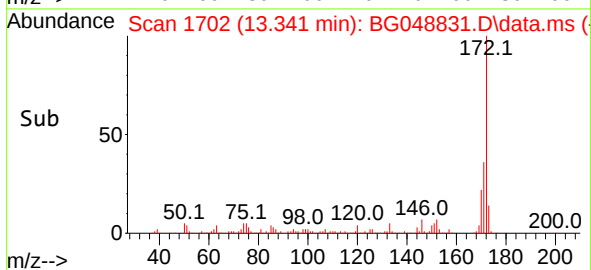
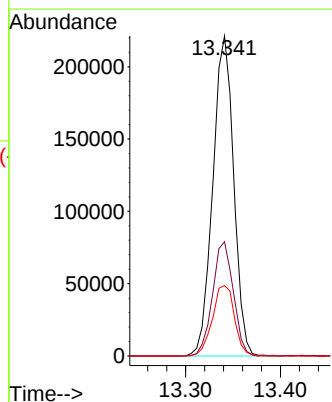
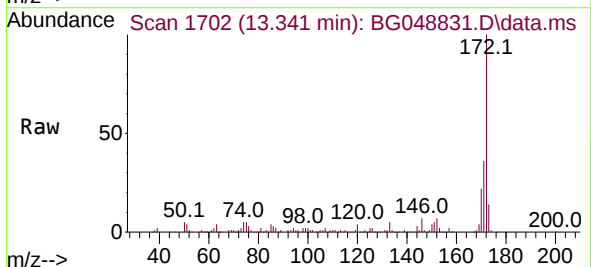
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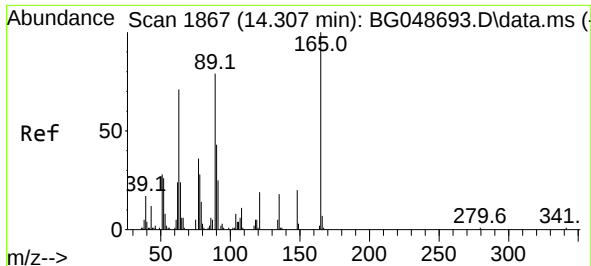
Tgt Ion:330 Resp: 83279
Ion Ratio Lower Upper
330 100
332 92.9 77.3 115.9
141 45.3 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 73.55 ng
RT: 13.341 min Scan# 1702
Delta R.T. -0.002 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

Tgt Ion:172 Resp: 338557
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 22.0 18.6 27.8

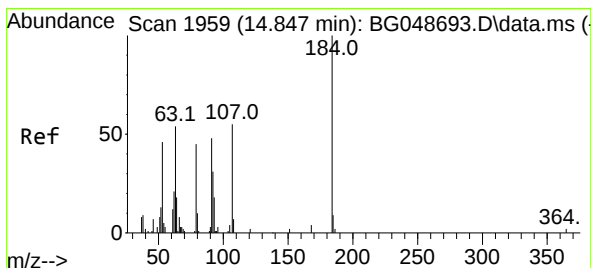
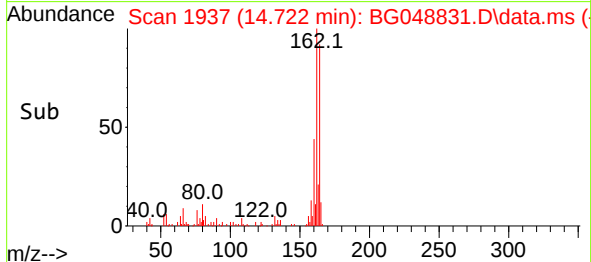
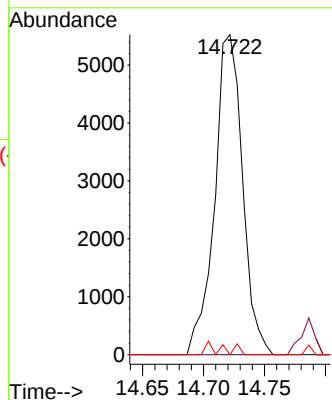
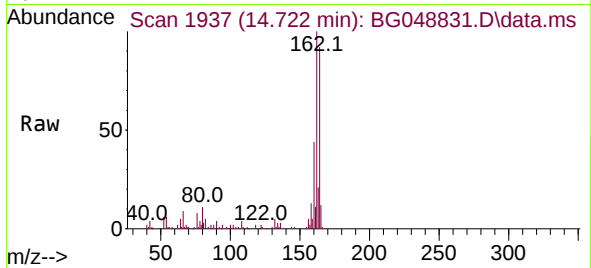




#51
2,6-Dinitrotoluene
Concen: 7.64 ng
RT: 14.722 min Scan# 1937
Delta R.T. 0.427 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

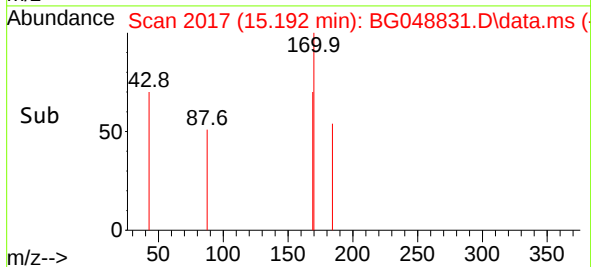
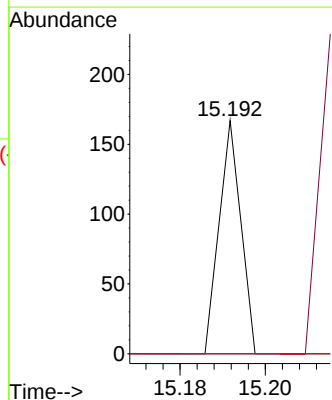
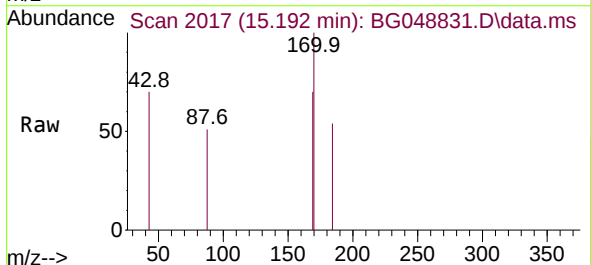
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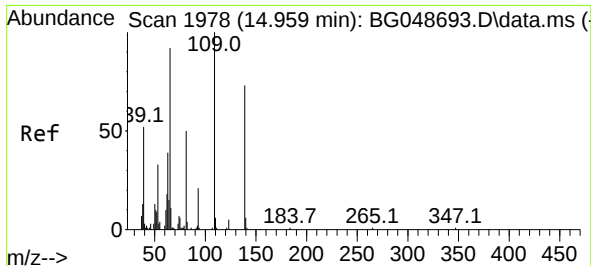
Tgt Ion:165 Resp: 8791
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 0.0 63.4 95.0#



#54
2,4-Dinitrophenol
Concen: 5.36 ng
RT: 15.192 min Scan# 2017
Delta R.T. 0.356 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

Tgt Ion:184 Resp: 59
Ion Ratio Lower Upper
184 100
63 0.0 68.3 102.5#
154 0.0 62.6 93.8#

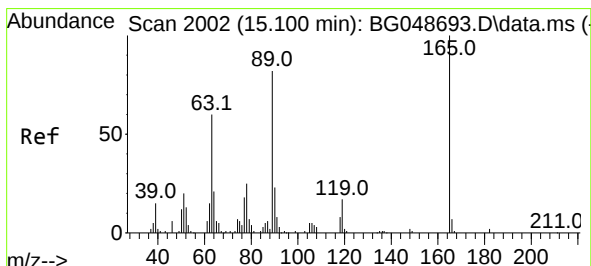
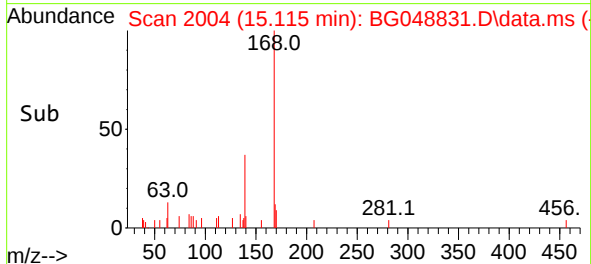
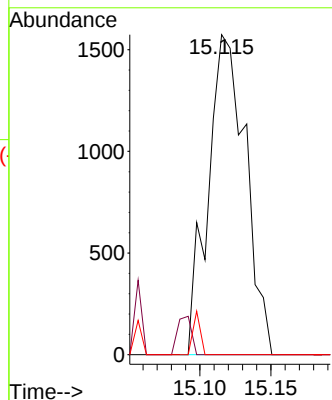
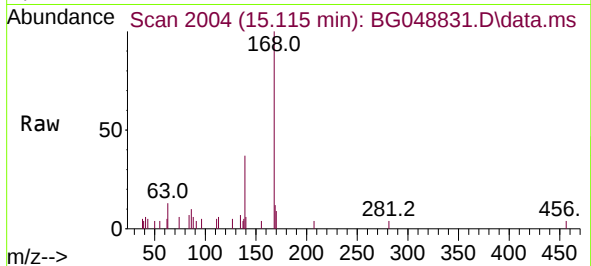




#56
4-Nitrophenol
Concen: 3.53 ng
RT: 15.115 min Scan# 2004
Delta R.T. 0.168 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

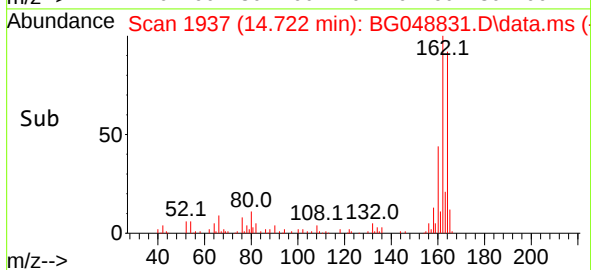
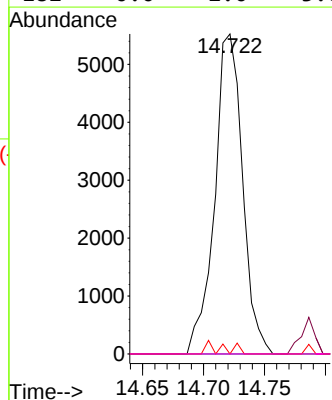
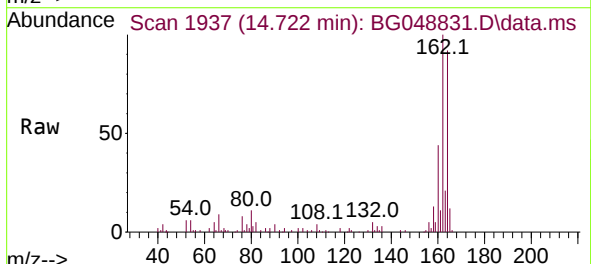
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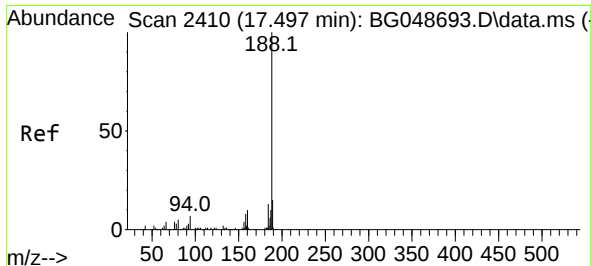
Tgt Ion:139 Resp: 2892
Ion Ratio Lower Upper
139 100
109 0.0 116.3 156.3#
65 0.0 105.0 145.0#



#57
2,4-Dinitrotoluene
Concen: 5.26 ng
RT: 14.722 min Scan# 1937
Delta R.T. -0.361 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

Tgt Ion:165 Resp: 8791
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#

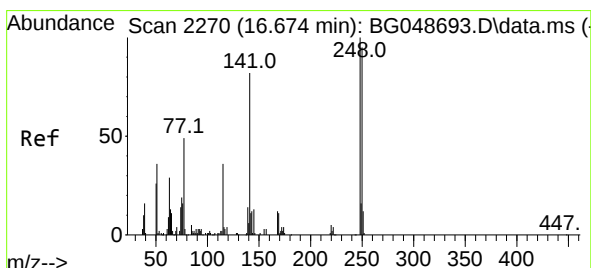
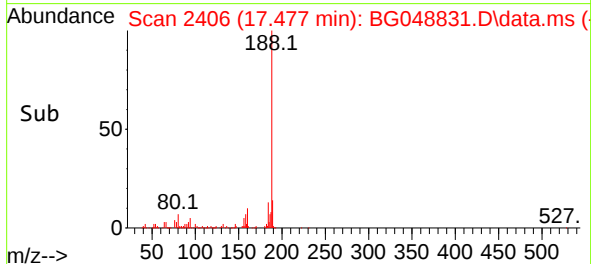
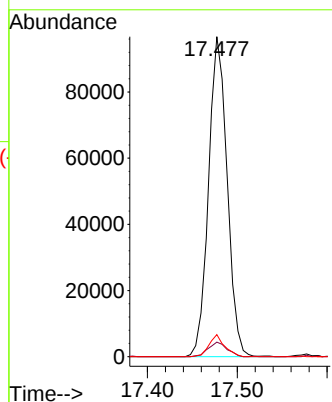
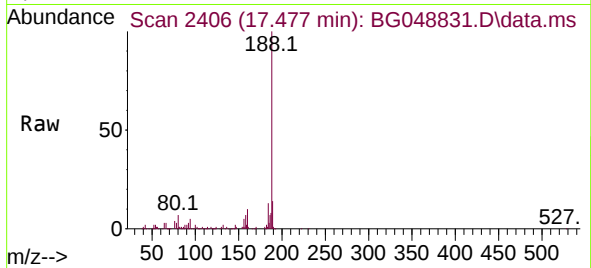




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.477 min Scan# 2406
Delta R.T. -0.002 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

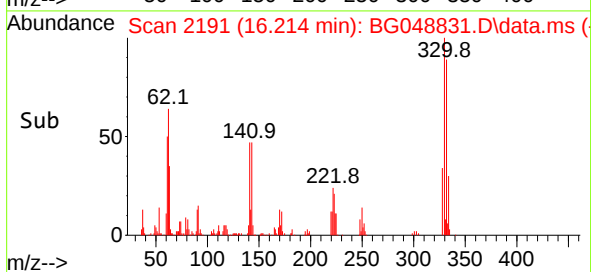
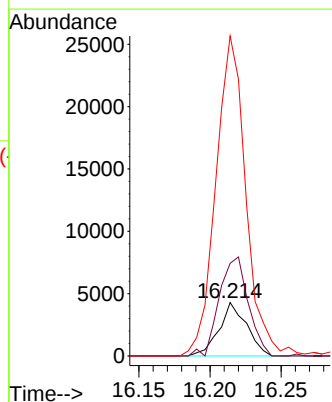
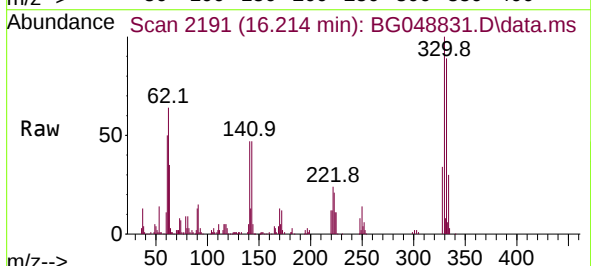
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-071-A

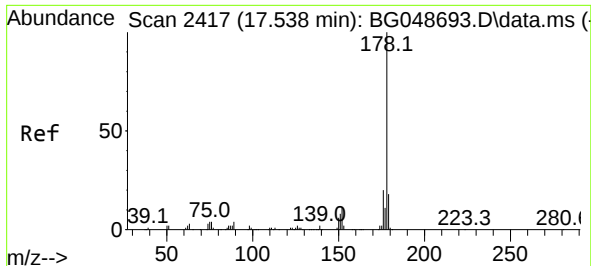
Tgt Ion:188 Resp: 139093
Ion Ratio Lower Upper
188 100
94 4.6 5.4 8.0#
80 6.9 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.61 ng
RT: 16.214 min Scan# 2191
Delta R.T. -0.449 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

Tgt Ion:248 Resp: 5784
Ion Ratio Lower Upper
248 100
250 173.2 76.1 114.1#
141 598.1 65.4 98.2#

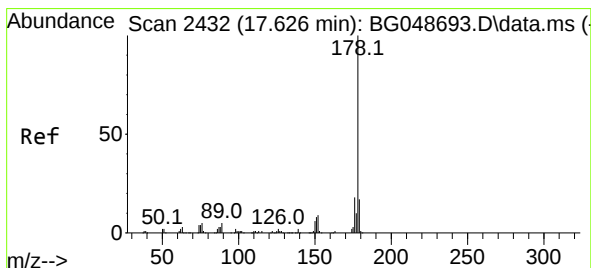
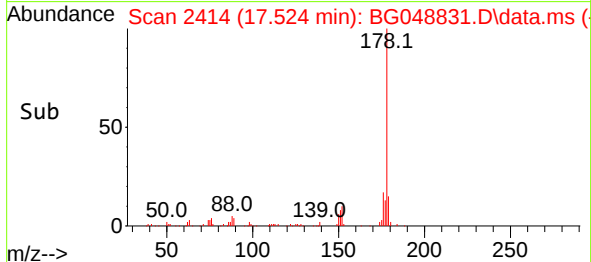
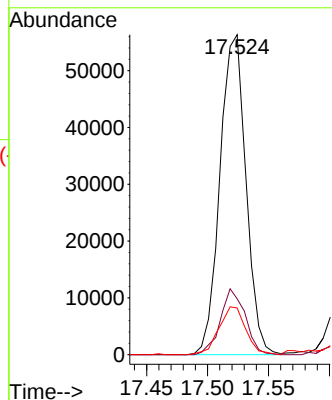
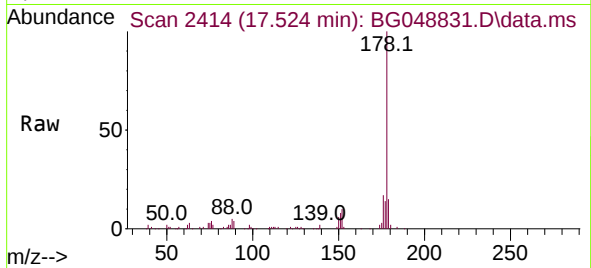




#71
Phenanthrene
Concen: 11.59 ng
RT: 17.524 min Scan# 2414
Delta R.T. 0.004 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

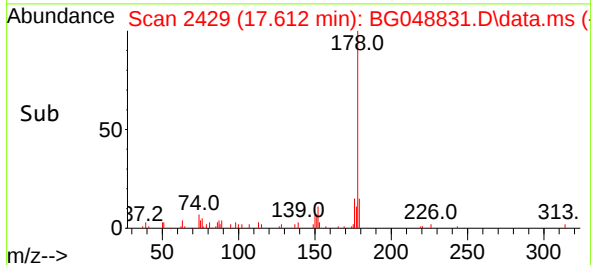
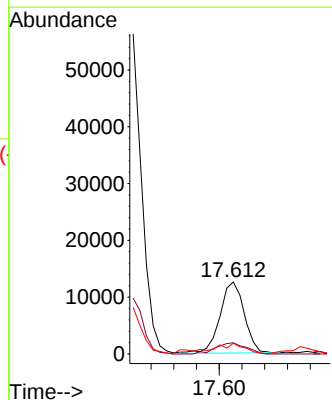
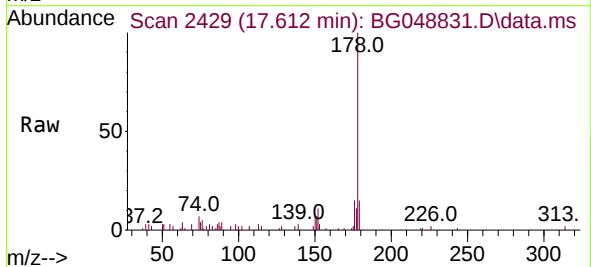
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-071-A

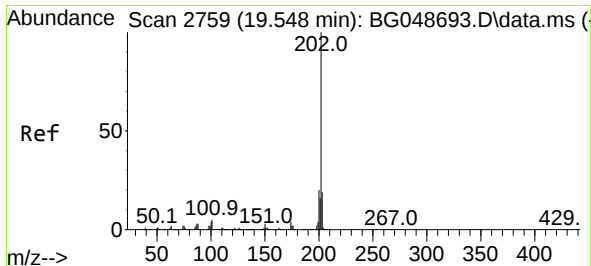
Tgt Ion:178 Resp: 83641
Ion Ratio Lower Upper
178 100
176 17.5 16.0 24.0
179 14.6 14.2 21.4



#72
Anthracene
Concen: 2.60 ng
RT: 17.612 min Scan# 2429
Delta R.T. -0.002 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

Tgt Ion:178 Resp: 18542
Ion Ratio Lower Upper
178 100
176 15.5 14.6 21.8
179 14.9 13.4 20.0

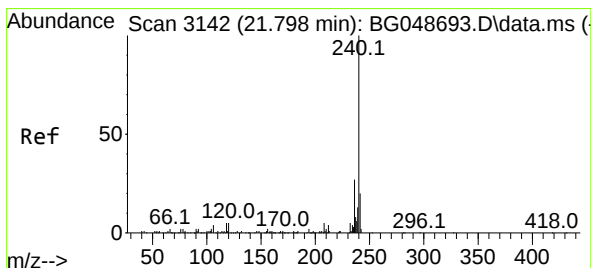
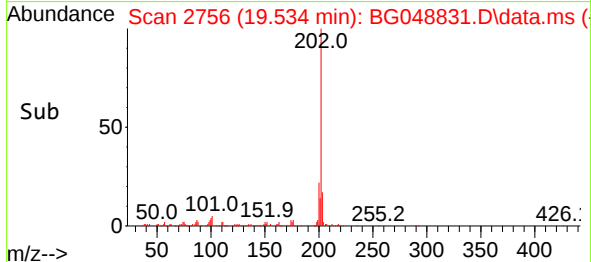
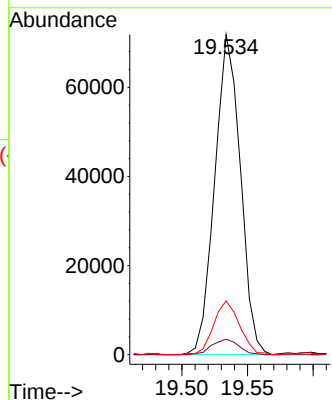
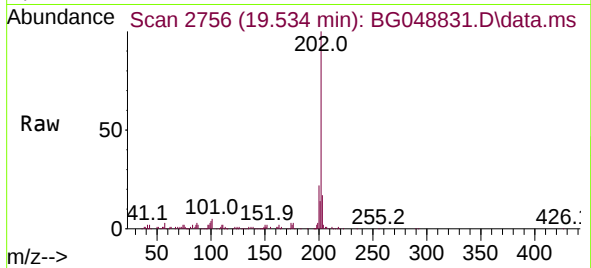




#75
Fluoranthene
Concen: 10.67 ng
RT: 19.534 min Scan# 2756
Delta R.T. -0.002 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

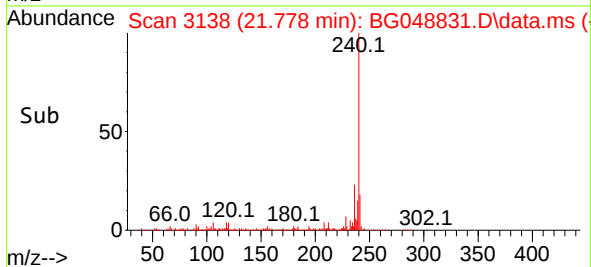
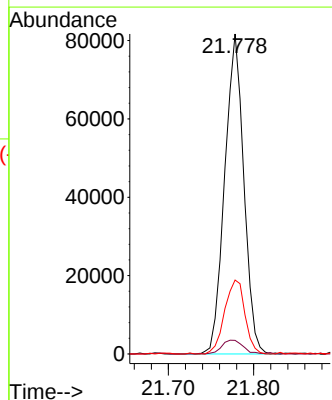
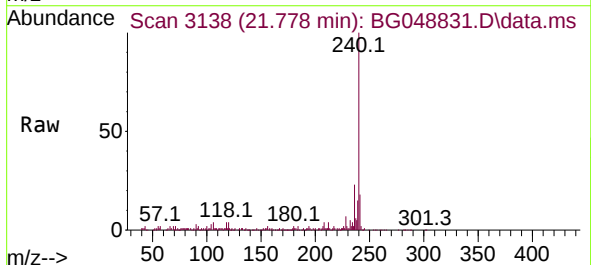
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-071-A

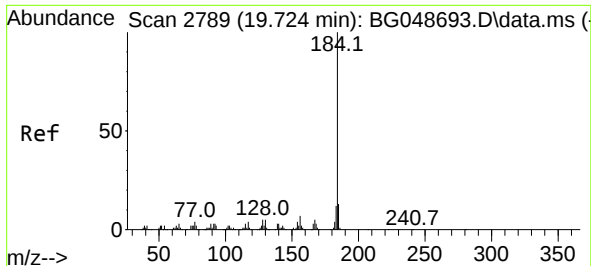
Tgt Ion:202 Resp: 97435
Ion Ratio Lower Upper
202 100
101 4.9 0.0 24.7
203 16.8 0.0 38.5



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.778 min Scan# 3138
Delta R.T. -0.002 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

Tgt Ion:240 Resp: 127187
Ion Ratio Lower Upper
240 100
120 4.2 4.2 6.2
236 23.1 21.8 32.6

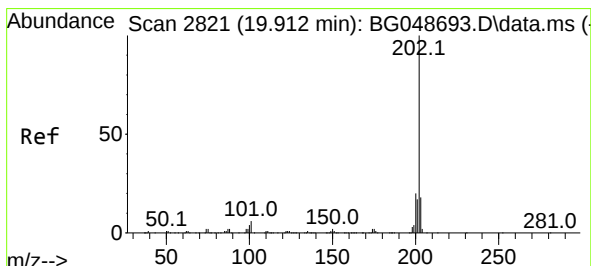
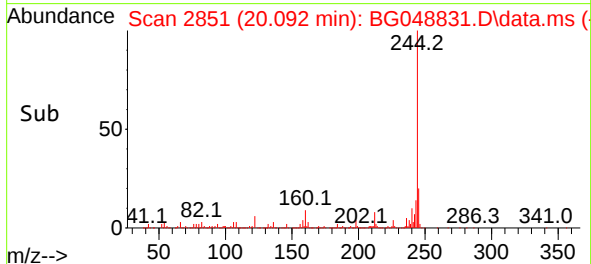
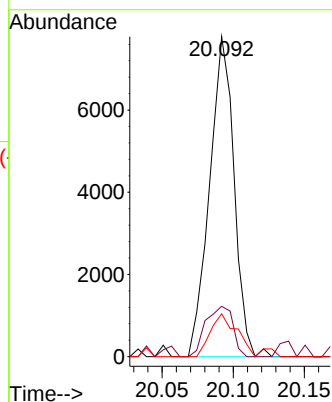
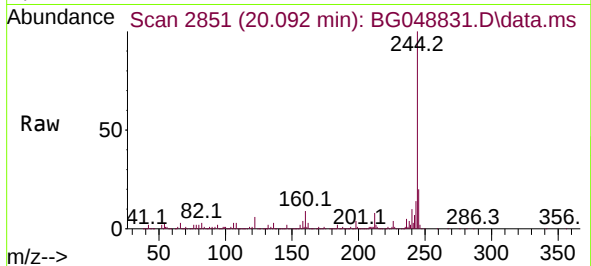




#77
Benzidine
Concen: 2.70 ng
RT: 20.092 min Scan# 2851
Delta R.T. 0.380 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

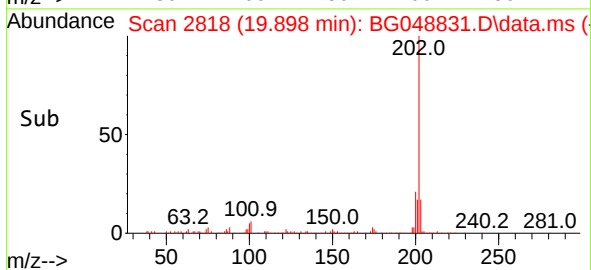
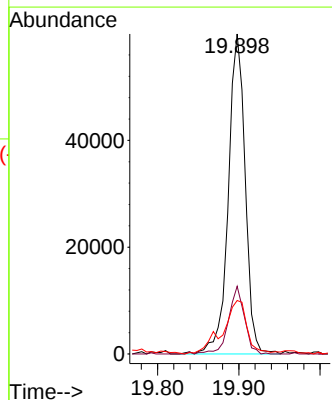
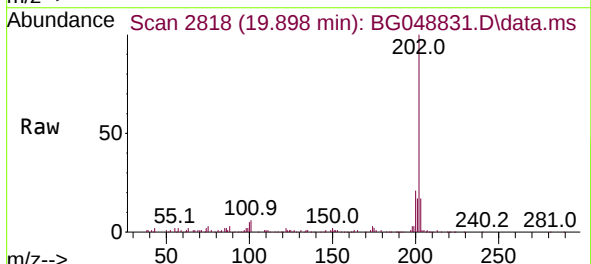
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-071-A

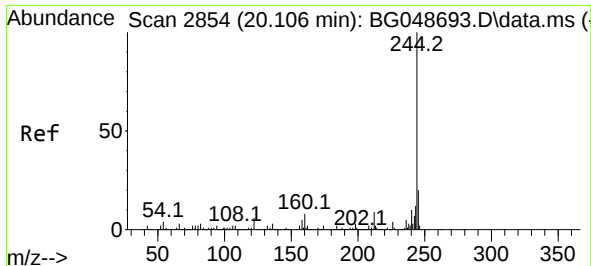
Tgt Ion:184 Resp: 9322
Ion Ratio Lower Upper
184 100
185 15.7 10.7 16.1
183 13.4 9.4 14.0



#78
Pyrene
Concen: 9.85 ng
RT: 19.898 min Scan# 2818
Delta R.T. -0.002 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

Tgt Ion:202 Resp: 86652
Ion Ratio Lower Upper
202 100
200 21.2 15.8 23.8
203 16.7 14.6 21.8

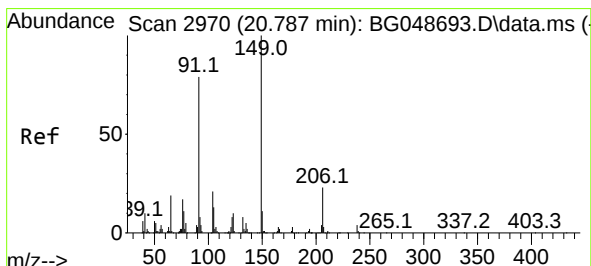
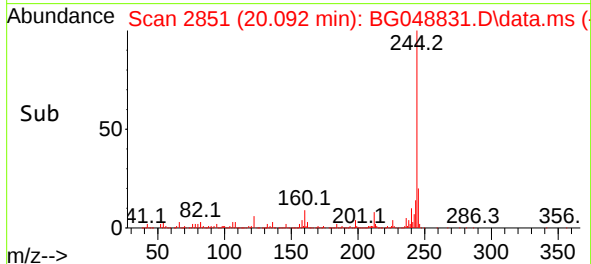
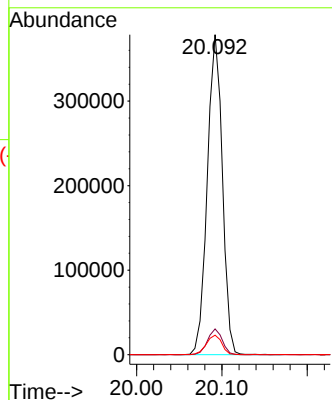
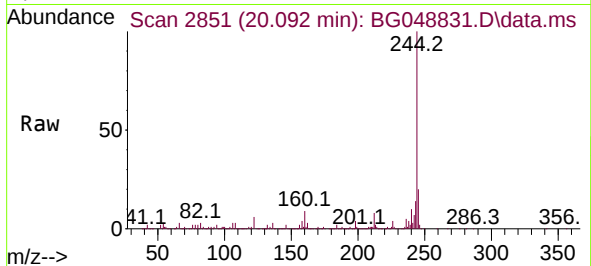




#79
 Terphenyl-d14
 Concen: 62.80 ng
 RT: 20.092 min Scan# 2851
 Delta R.T. -0.002 min
 Lab File: BG048831.D
 Acq: 21 Apr 2021 22:48

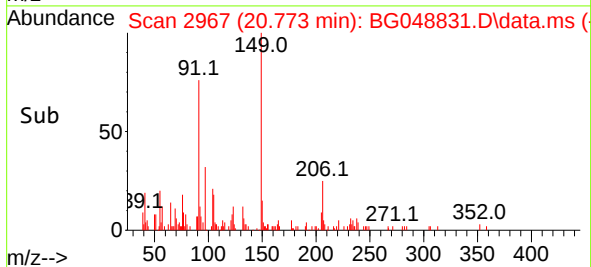
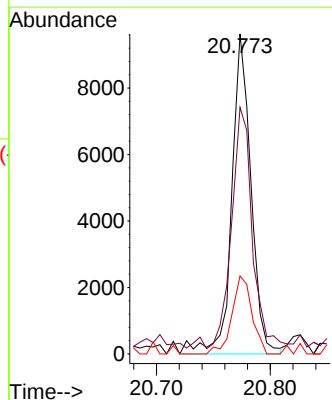
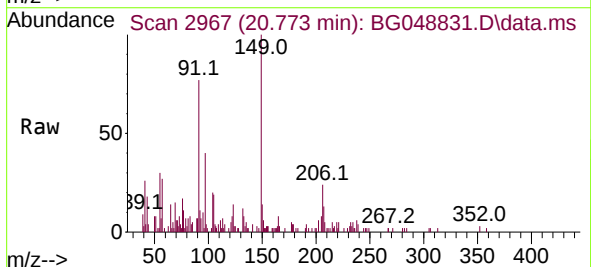
Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-071-A

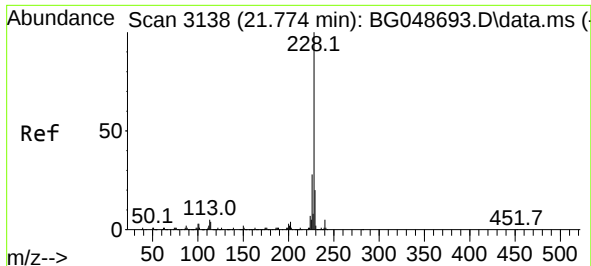
Tgt Ion:244	Resp:	464054
Ion Ratio	Lower	Upper
244	100	
212	8.0	6.9 10.3
122	6.1	5.0 7.6



#80
 Butylbenzylphthalate
 Concen: 3.29 ng
 RT: 20.773 min Scan# 2967
 Delta R.T. -0.002 min
 Lab File: BG048831.D
 Acq: 21 Apr 2021 22:48

Tgt Ion:149	Resp:	11334
Ion Ratio	Lower	Upper
149	100	
91	77.0	63.4 95.2
206	24.4	18.4 27.6

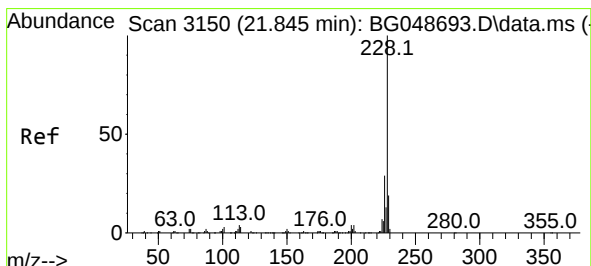
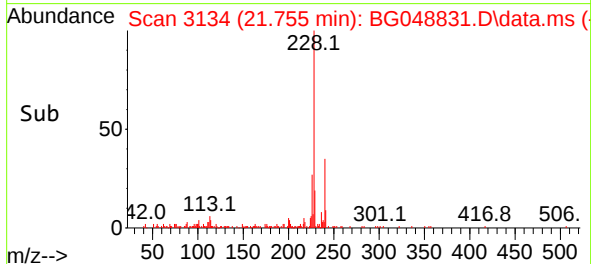
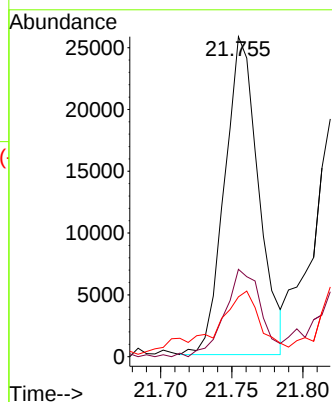
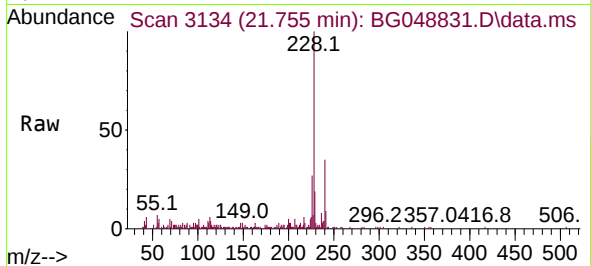




#81
Benzo(a)anthracene
Concen: 4.94 ng
RT: 21.755 min Scan# 3134
Delta R.T. -0.002 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

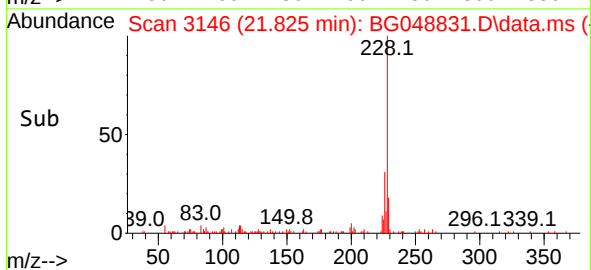
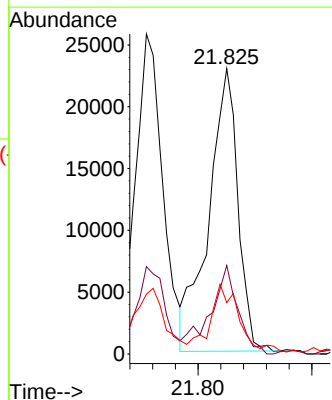
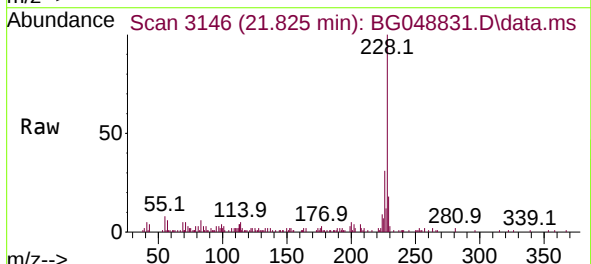
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-071-A

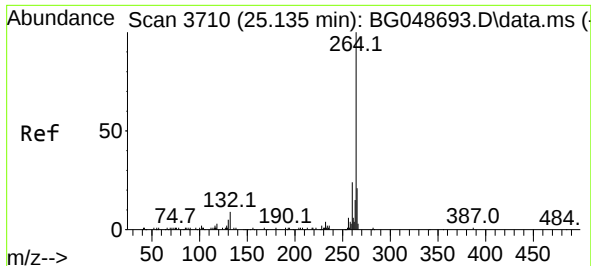
Tgt Ion:228	Resp:	42924
Ion Ratio	Lower	Upper
228	100	
226	27.3	22.7 34.1
229	18.7	16.0 24.0



#83
Chrysene
Concen: 4.95 ng
RT: 21.825 min Scan# 3146
Delta R.T. -0.002 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

Tgt Ion:228	Resp:	40941
Ion Ratio	Lower	Upper
228	100	
226	31.0	23.1 34.7
229	18.0	15.3 22.9

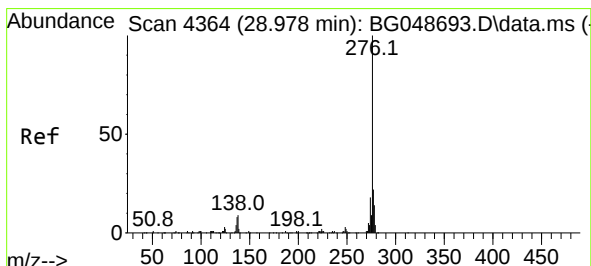
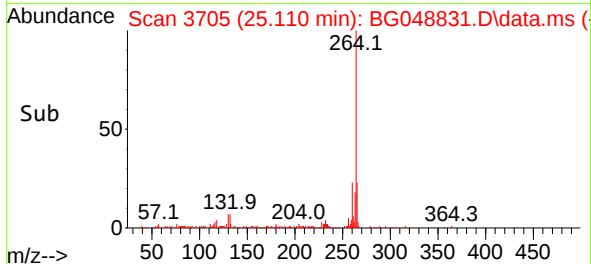
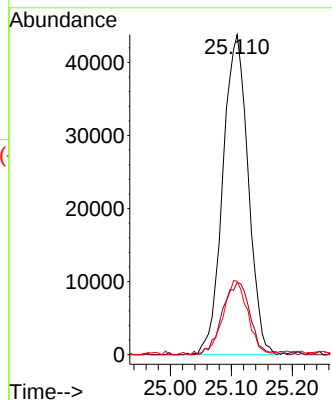
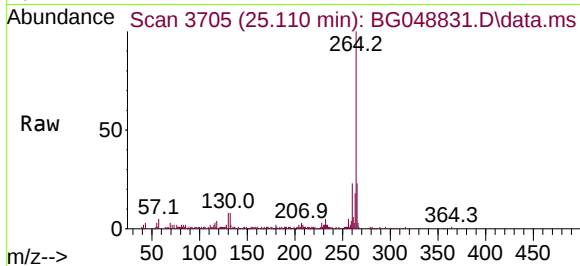




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 25.110 min Scan# 3705
 Delta R.T. -0.002 min
 Lab File: BG048831.D
 Acq: 21 Apr 2021 22:48

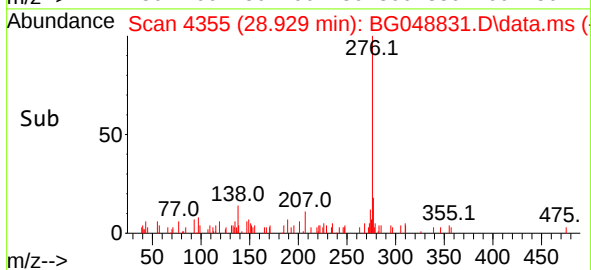
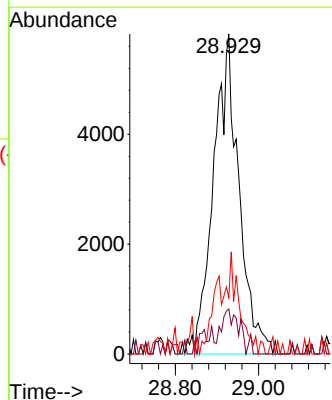
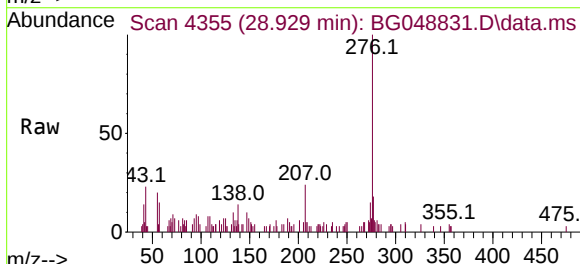
Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-071-A

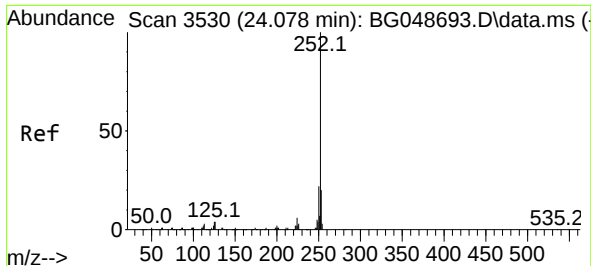
Tgt Ion:264 Resp: 126449
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.4 29.2
 265 22.9 16.9 25.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.68 ng
 RT: 28.929 min Scan# 4355
 Delta R.T. -0.008 min
 Lab File: BG048831.D
 Acq: 21 Apr 2021 22:48

Tgt Ion:276 Resp: 24851
 Ion Ratio Lower Upper
 276 100
 138 9.1 5.1 7.7#
 277 14.6 19.8 29.6#

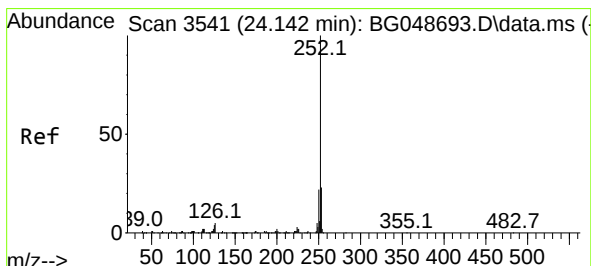
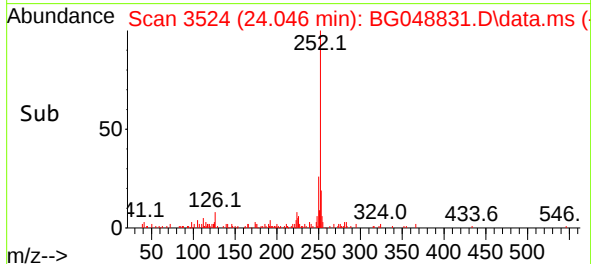
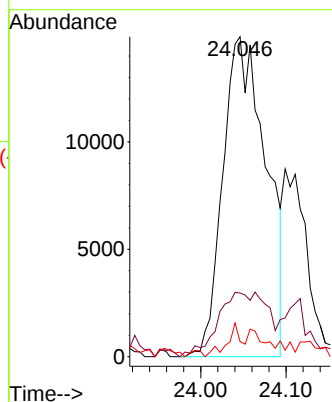
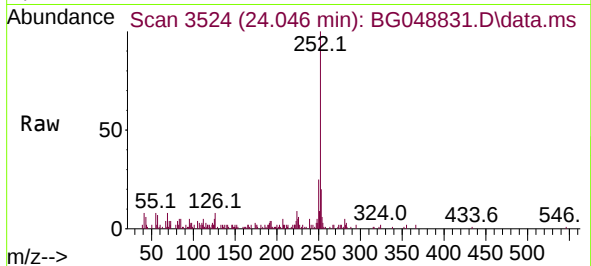




#88
Benzo(b)fluoranthene
Concen: 6.10 ng
RT: 24.046 min Scan# 3524
Delta R.T. -0.002 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

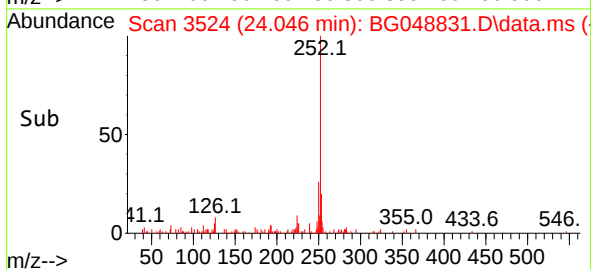
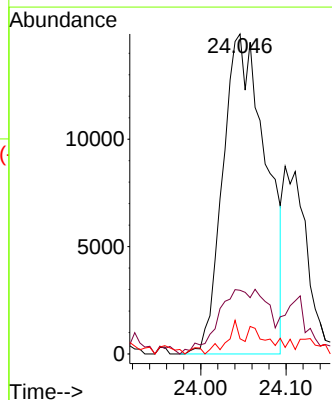
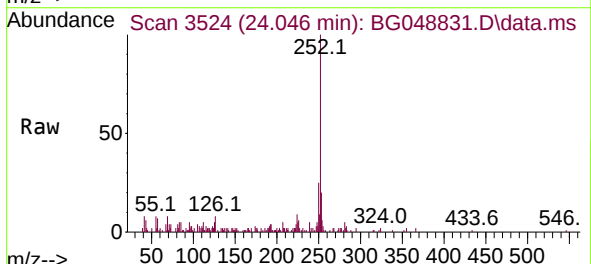
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-071-A

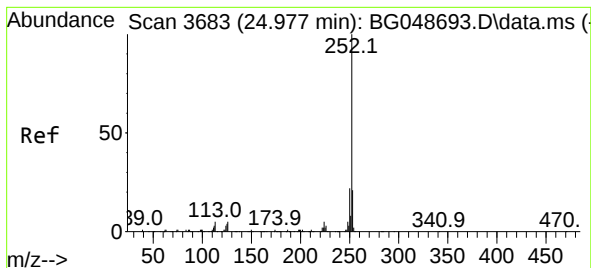
Tgt Ion:252 Resp: 52291
Ion Ratio Lower Upper
252 100
253 19.9 16.2 24.4
125 4.8 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 6.48 ng
RT: 24.046 min Scan# 3524
Delta R.T. -0.073 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

Tgt Ion:252 Resp: 52291
Ion Ratio Lower Upper
252 100
253 19.9 18.0 27.0
125 4.8 3.1 4.7#

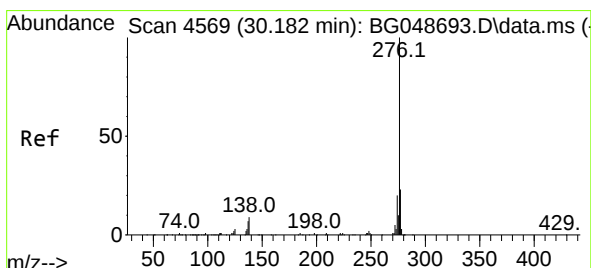
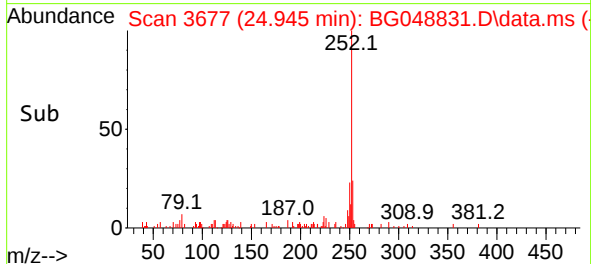
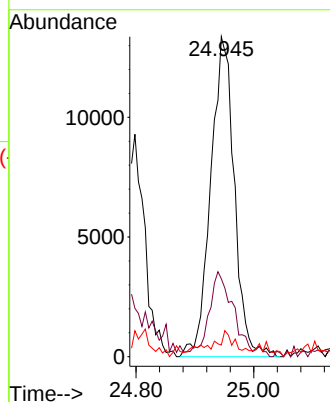
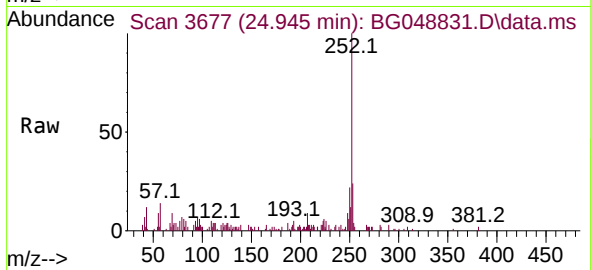




#90
Benzo(a)pyrene
Concen: 4.72 ng
RT: 24.945 min Scan# 3677
Delta R.T. -0.008 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-071-A

Tgt Ion:	252	Resp:	37287
Ion Ratio	Lower	Upper	
252	100		
253	24.4	16.6	25.0
125	3.7	3.5	5.3



#92
Benzo(g,h,i)perylene
Concen: 2.70 ng
RT: 30.115 min Scan# 4557
Delta R.T. -0.014 min
Lab File: BG048831.D
Acq: 21 Apr 2021 22:48

Tgt Ion:	276	Resp:	21247
Ion Ratio	Lower	Upper	
276	100		
277	26.3	18.4	27.6
138	15.5	7.0	10.6#

