

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102121\
 Data File : BG050676.D
 Acq On : 21 Oct 2021 21:08
 Operator : CG/JU
 Sample : M4300-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TH-CCD

Quant Time: Oct 22 04:03:50 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

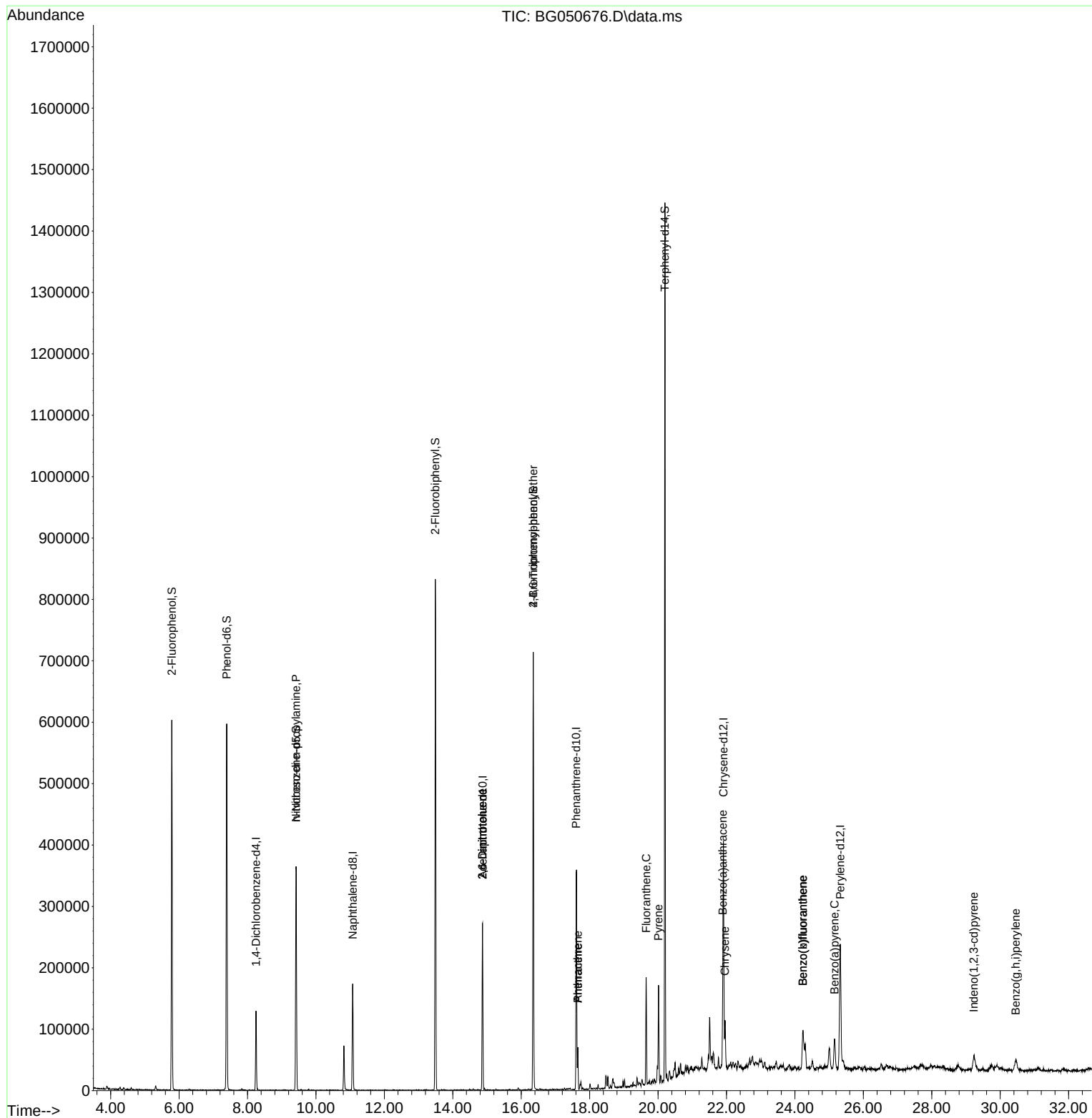
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.250	152	34098	20.000	ng	0.00
21) Naphthalene-d8	11.076	136	143364	20.000	ng	# 0.00
39) Acenaphthene-d10	14.871	164	97394	20.000	ng	0.00
64) Phenanthrene-d10	17.609	188	224026	20.000	ng	# 0.00
76) Chrysene-d12	21.910	240	203731	20.000	ng	#-0.01
86) Perylene-d12	25.324	264	197435	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.788	112	246726	108.214	ng	0.00
7) Phenol-d6	7.392	99	332932	100.857	ng	0.00
23) Nitrobenzene-d5	9.419	82	237112	68.465	ng	0.00
42) 2,4,6-Tribromophenol	16.352	330	99362	106.960	ng	0.00
45) 2-Fluorobiphenyl	13.491	172	414140	63.997	ng	-0.01
79) Terphenyl-d14	20.200	244	627638	60.038	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.398	77	547	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.419	70	33076	13.747	ng	# 71
51) 2,6-Dinitrotoluene	14.865	165	12486	8.468	ng	# 11
57) 2,4-Dinitrotoluene	14.865	165	12486	6.008	ng	# 17
67) 4-Bromophenyl-phenylether	16.352	248	8156	3.613	ng	# 1
71) Phenanthrene	17.656	178	42189	3.574	ng	96
72) Anthracene	17.656	178	42189	3.596	ng	95
75) Fluoranthene	19.654	202	113181	7.799	ng	96
78) Pyrene	20.012	202	98688	6.827	ng	98
81) Benzo(a)anthracene	21.892	228	56453	4.188	ng	97
83) Chrysene	21.957	228	55915	4.410	ng	93
87) Indeno(1,2,3-cd)pyrene	29.225	276	40198	2.923	ng	# 88
88) Benzo(b)fluoranthene	24.231	252	74235	6.139	ng	# 91
89) Benzo(k)fluoranthene	24.231	252	74235	6.241	ng	# 95
90) Benzo(a)pyrene	25.159	252	51890	5.047	ng	# 89
92) Benzo(g,h,i)perylene	30.453	276	35344	3.173	ng	# 86

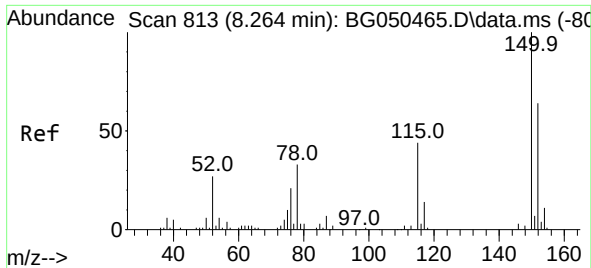
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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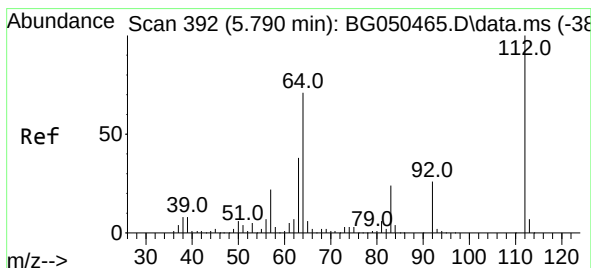
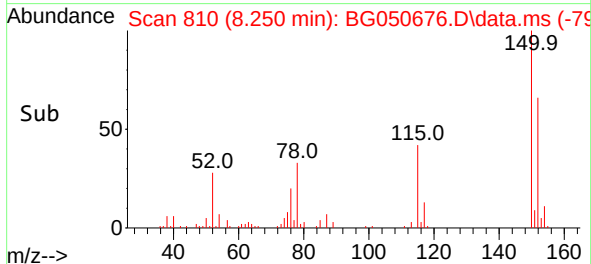
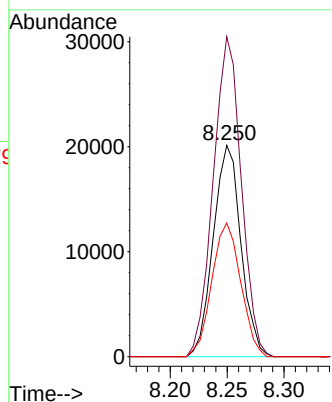
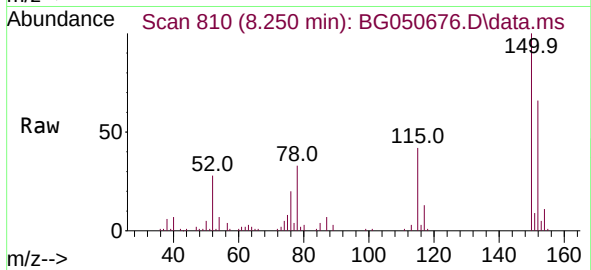




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.250 min Scan# 810
Delta R.T. -0.008 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

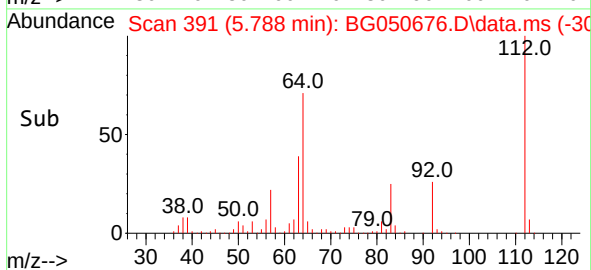
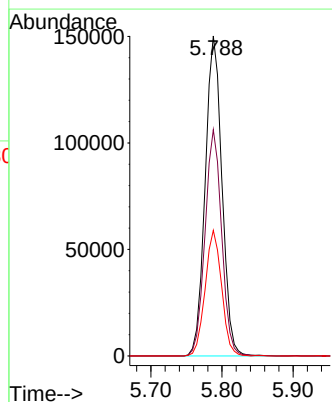
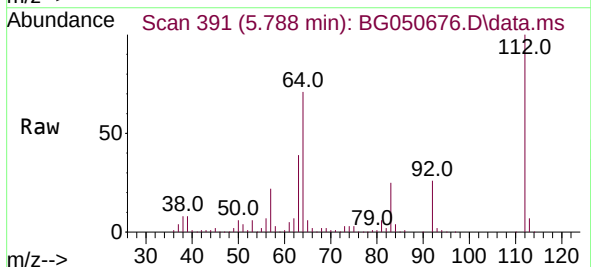
Instrument :
BNA_G
ClientSampleId :
TH-CCD

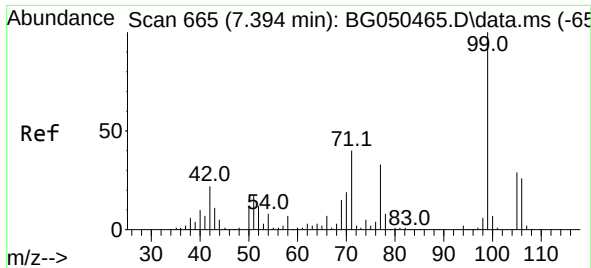
Tgt Ion:152 Resp: 34098
Ion Ratio Lower Upper
152 100
150 151.4 119.4 179.0
115 63.2 60.2 90.4



#5
2-Fluorophenol
Concen: 108.214 ng
RT: 5.788 min Scan# 391
Delta R.T. -0.003 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

Tgt Ion:112 Resp: 246726
Ion Ratio Lower Upper
112 100
64 70.7 46.7 70.1#
63 39.3 35.3 52.9

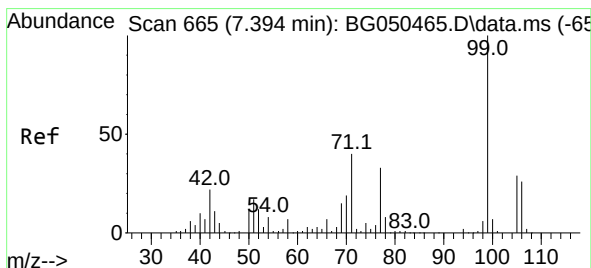
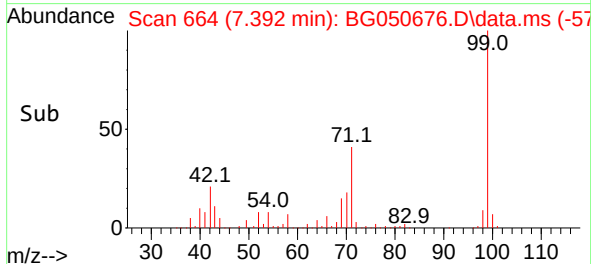
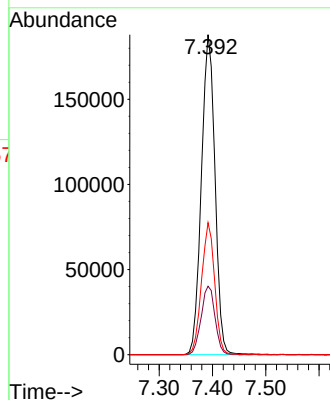
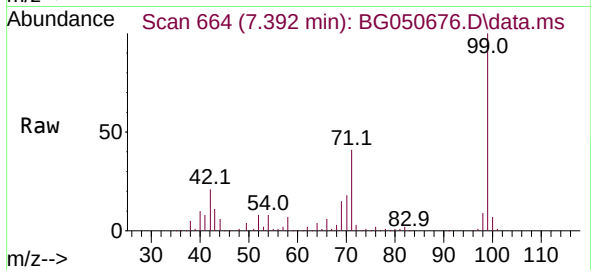




#7
Phenol-d6
Concen: 100.857 ng
RT: 7.392 min Scan# 664
Delta R.T. -0.009 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

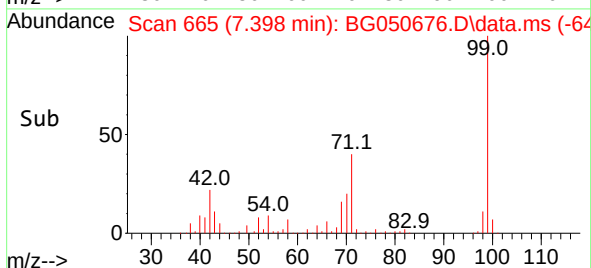
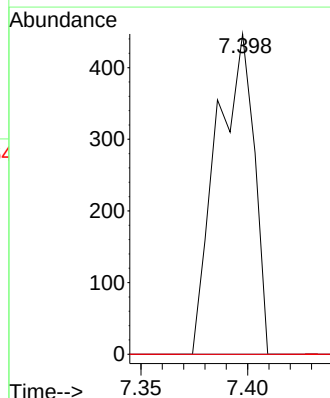
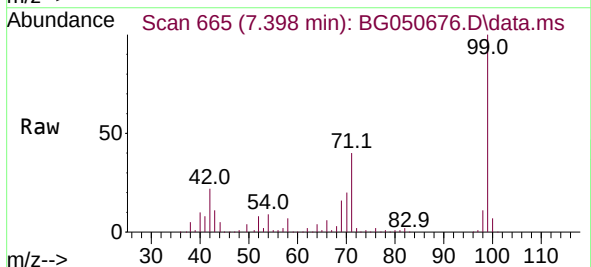
Instrument :
BNA_G
ClientSampleId :
TH-CCD

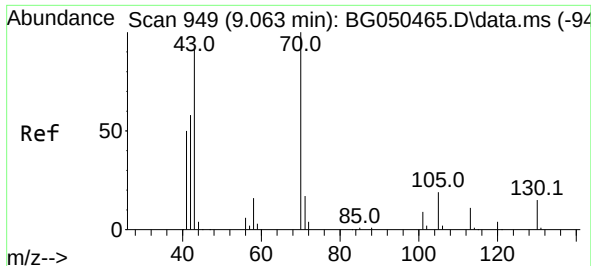
Tgt Ion: 99 Resp: 332932
Ion Ratio Lower Upper
99 100
42 21.4 20.5 30.7
71 41.2 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.398 min Scan# 665
Delta R.T. 0.009 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

Tgt Ion: 77 Resp: 547
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#

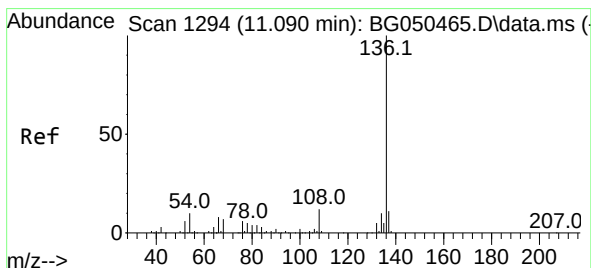
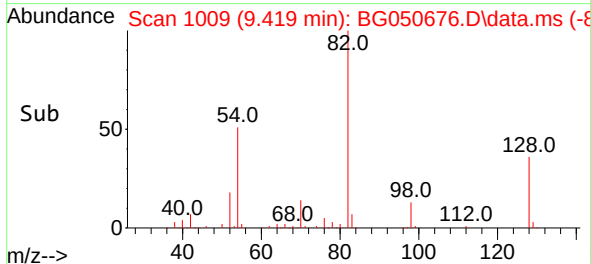
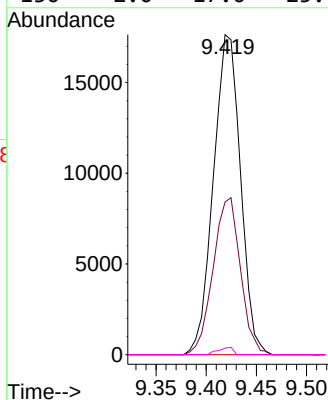
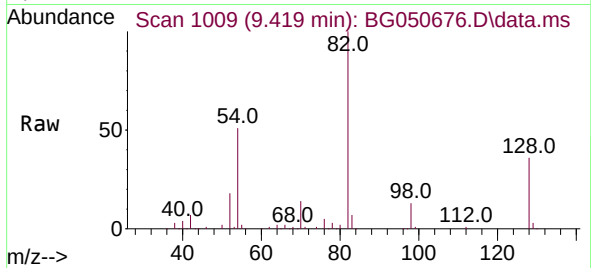




#19
n-Nitroso-di-n-propylamine
Concen: 13.747 ng
RT: 9.419 min Scan# 1009
Delta R.T. 0.361 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

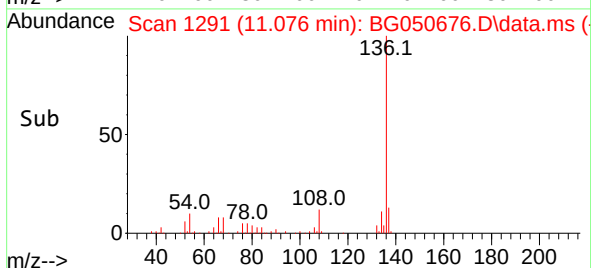
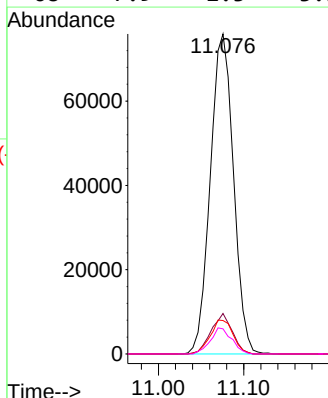
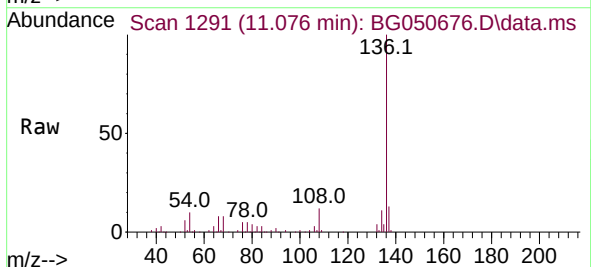
Instrument :
BNA_G
ClientSampled :
TH-CCD

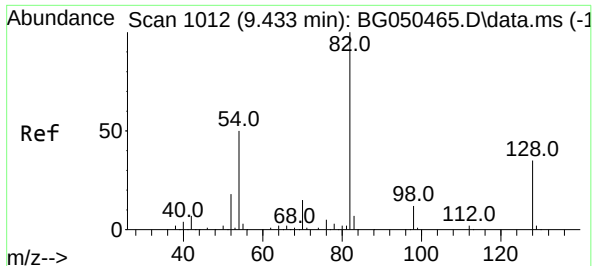
Tgt Ion:	70	Resp:	33076
Ion	Ratio	Lower	Upper
70	100		
42	47.7	54.5	81.7#
101	0.0	9.0	13.6#
130	2.0	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.076 min Scan# 1291
Delta R.T. -0.009 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

Tgt Ion:	136	Resp:	143364
Ion	Ratio	Lower	Upper
136	100		
137	12.7	8.2	12.2#
54	10.5	5.5	8.3#
68	7.9	2.3	3.5#

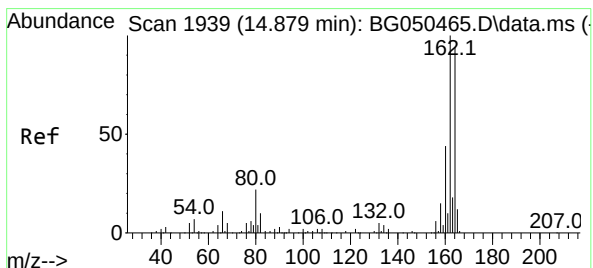
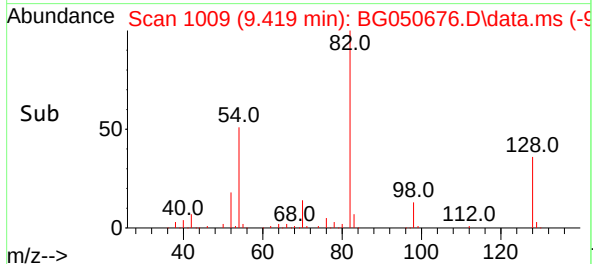
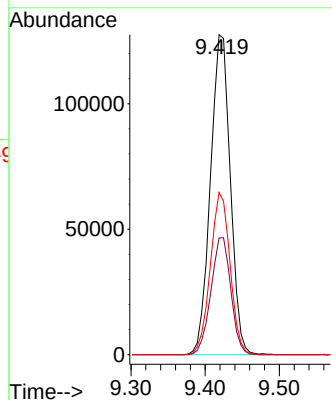
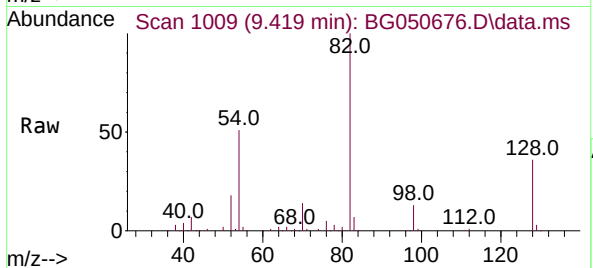




#23
Nitrobenzene-d5
Concen: 68.465 ng
RT: 9.419 min Scan# 1009
Delta R.T. -0.009 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

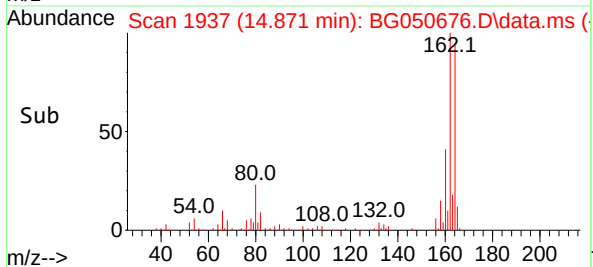
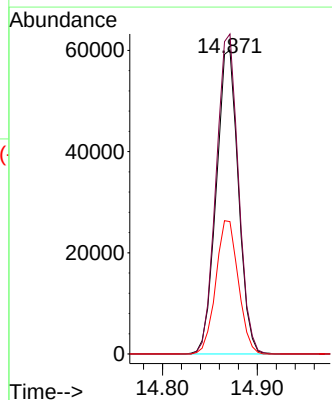
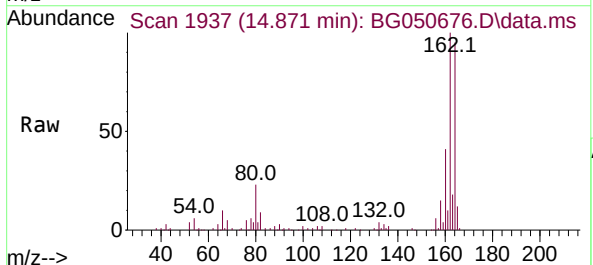
Instrument :
BNA_G
ClientSampleId :
TH-CCD

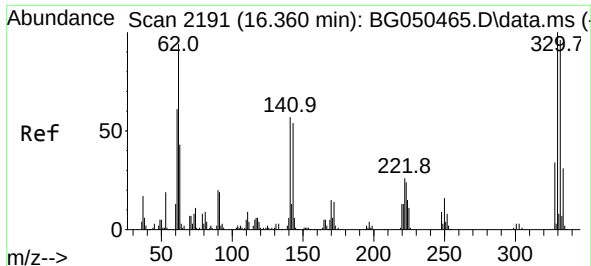
Tgt Ion: 82 Resp: 237112
Ion Ratio Lower Upper
82 100
128 36.5 29.8 44.6
54 50.7 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.871 min Scan# 1937
Delta R.T. -0.003 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

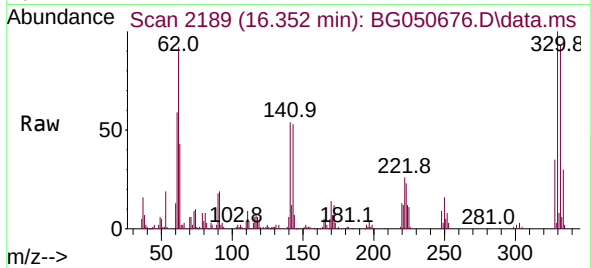
Tgt Ion: 164 Resp: 97394
Ion Ratio Lower Upper
164 100
162 105.3 81.4 122.0
160 43.5 34.9 52.3



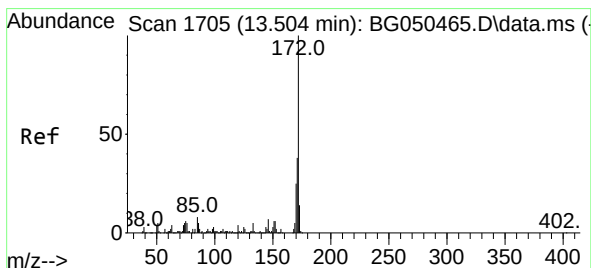
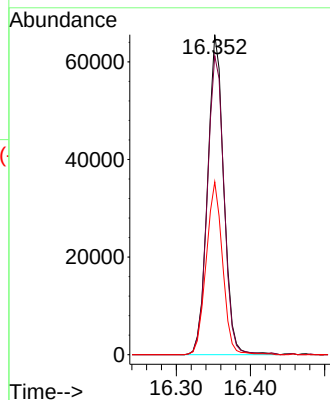
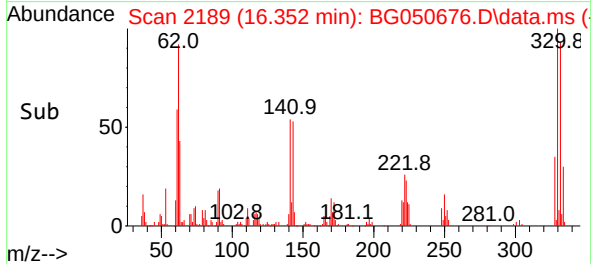


#42
2,4,6-Tribromophenol
Concen: 106.960 ng
RT: 16.352 min Scan# 2189
Delta R.T. -0.009 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

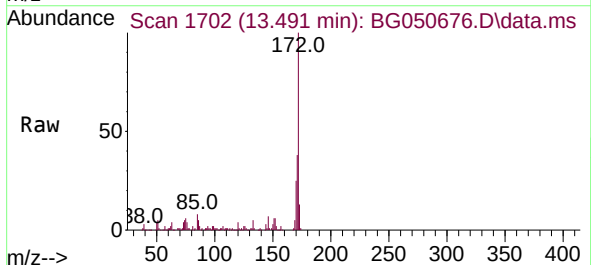
Instrument :
BNA_G
ClientSampleId :
TH-CCD



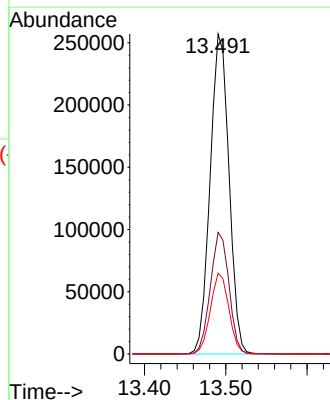
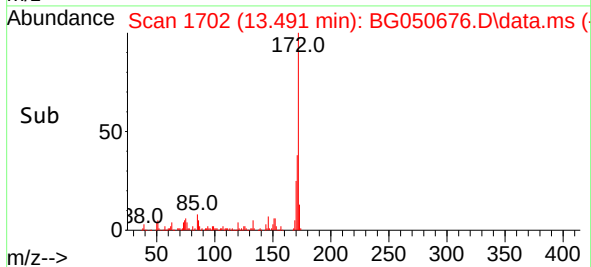
Tgt Ion:330 Resp: 99362
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 54.7 35.6 53.4#

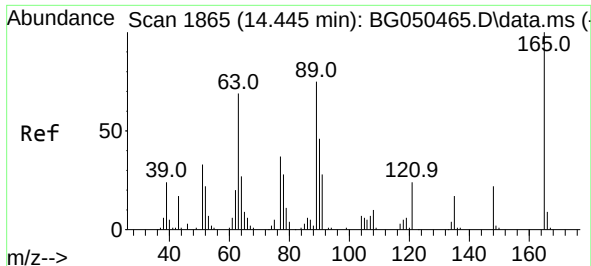


#45
2-Fluorobiphenyl
Concen: 63.997 ng
RT: 13.491 min Scan# 1702
Delta R.T. -0.015 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08



Tgt Ion:172 Resp: 414140
Ion Ratio Lower Upper
172 100
171 38.0 28.6 43.0
170 25.2 18.6 27.8

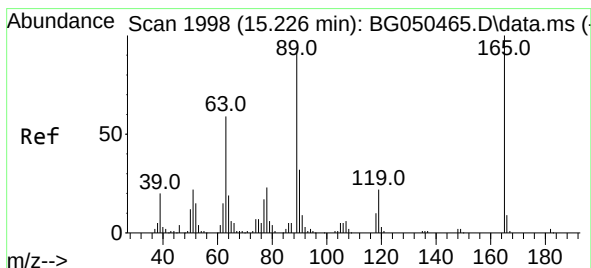
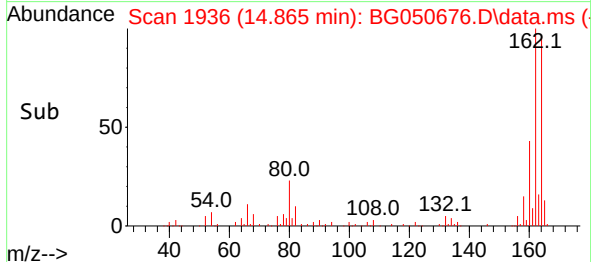
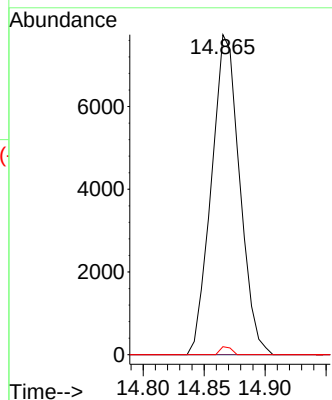
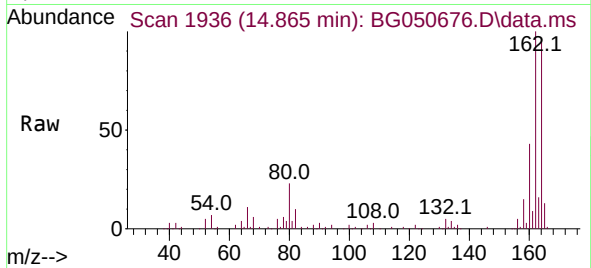




#51
2,6-Dinitrotoluene
Concen: 8.468 ng
RT: 14.865 min Scan# 1936
Delta R.T. 0.420 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

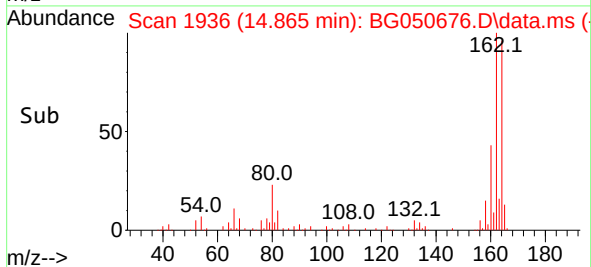
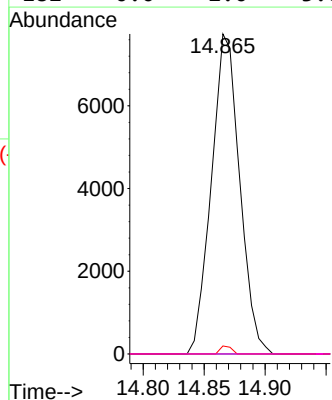
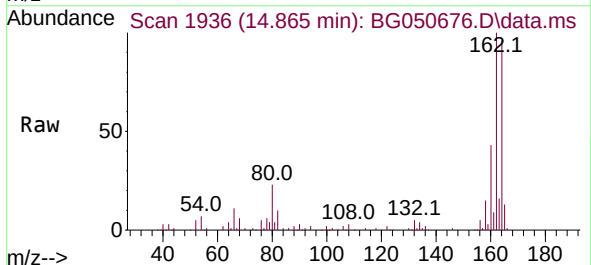
Instrument :
BNA_G
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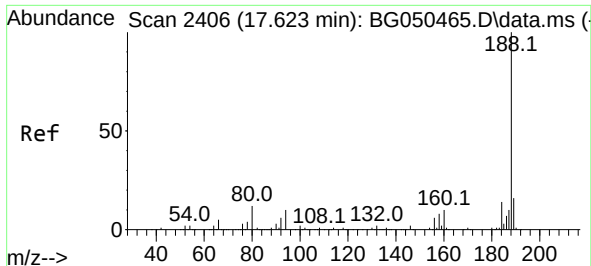
Tgt Ion:165 Resp: 12486
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 2.5 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.008 ng
RT: 14.865 min Scan# 1936
Delta R.T. -0.361 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

Tgt Ion:165 Resp: 12486
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 2.5 65.4 98.0#
182 0.0 2.0 3.0#

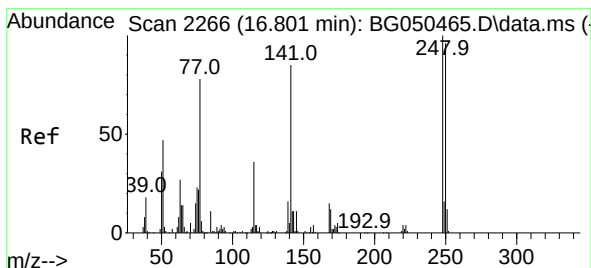
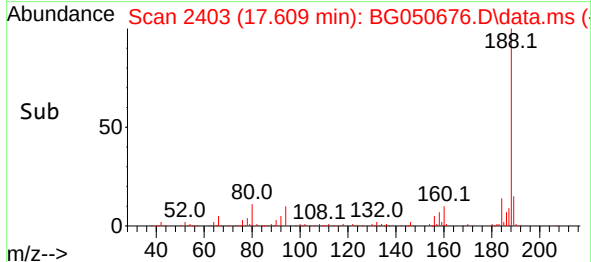
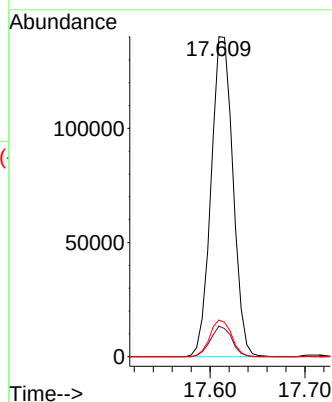
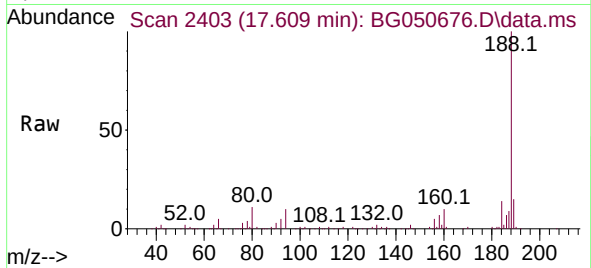




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.609 min Scan# 2403
Delta R.T. -0.009 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

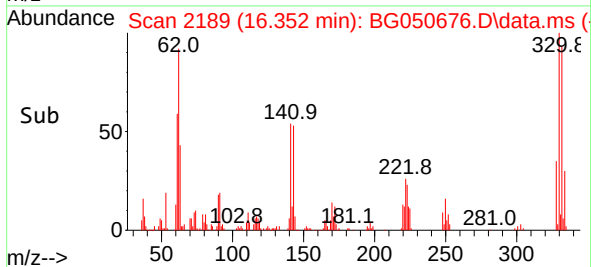
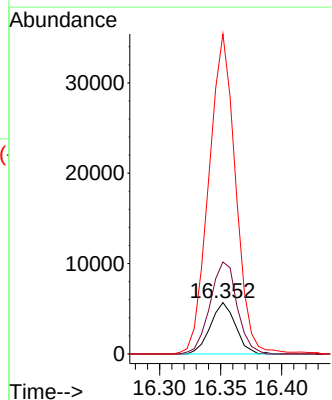
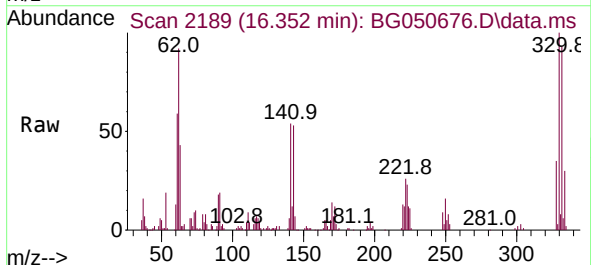
Instrument :
BNA_G
ClientSampleId :
TH-CCD

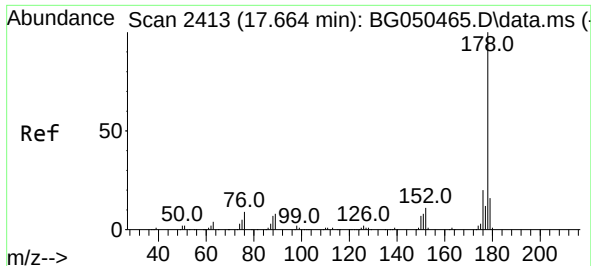
Tgt Ion:188 Resp: 224026
Ion Ratio Lower Upper
188 100
94 9.6 5.4 8.0#
80 11.5 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.613 ng
RT: 16.352 min Scan# 2189
Delta R.T. -0.449 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

Tgt Ion:248 Resp: 8156
Ion Ratio Lower Upper
248 100
250 179.3 76.1 114.1#
141 623.4 65.4 98.2#

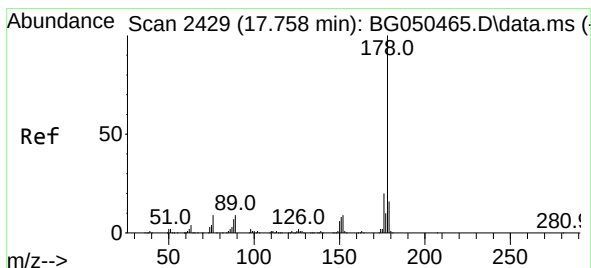
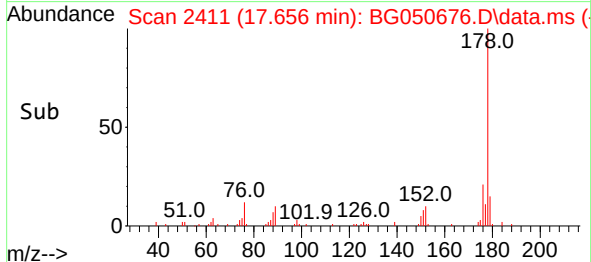
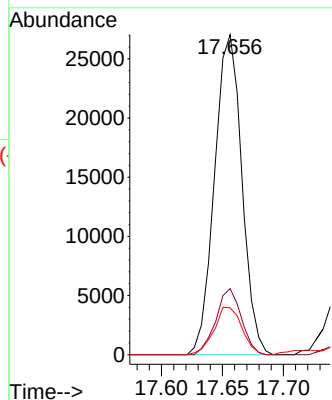
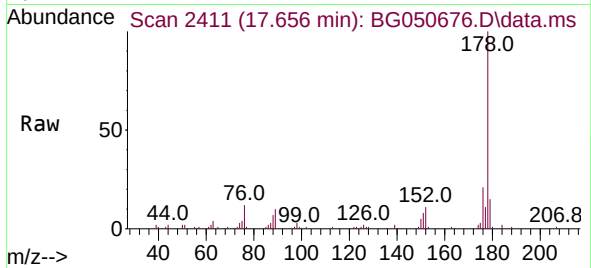




#71
Phenanthrene
Concen: 3.574 ng
RT: 17.656 min Scan# 2411
Delta R.T. -0.009 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

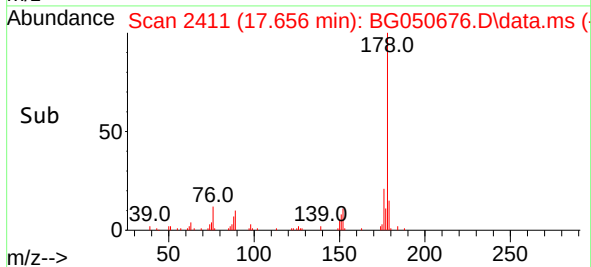
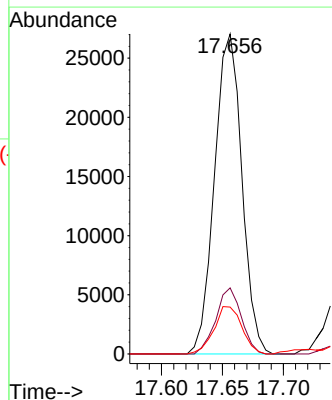
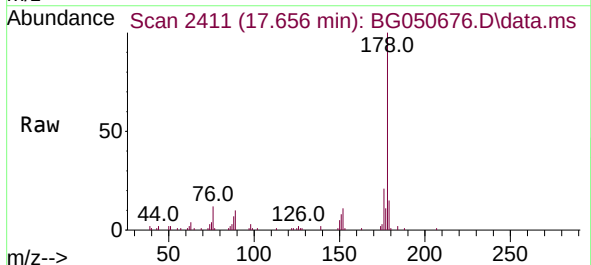
Instrument :
BNA_G
ClientSampleId :
TH-CCD

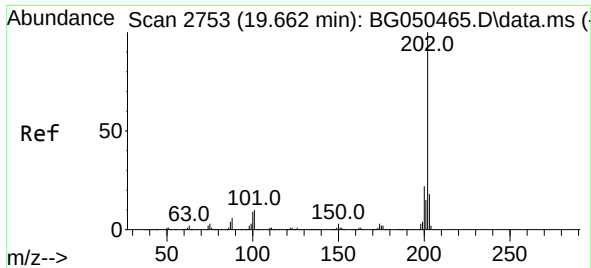
Tgt Ion:178 Resp: 42189
Ion Ratio Lower Upper
178 100
176 20.7 16.0 24.0
179 14.7 14.2 21.4



#72
Anthracene
Concen: 3.596 ng
RT: 17.656 min Scan# 2411
Delta R.T. -0.097 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

Tgt Ion:178 Resp: 42189
Ion Ratio Lower Upper
178 100
176 20.7 14.6 21.8
179 14.7 13.4 20.0

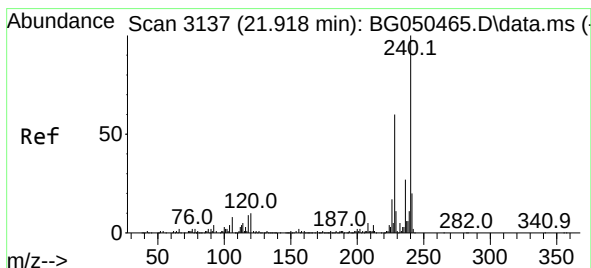
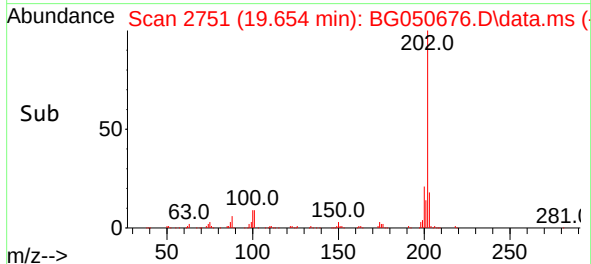
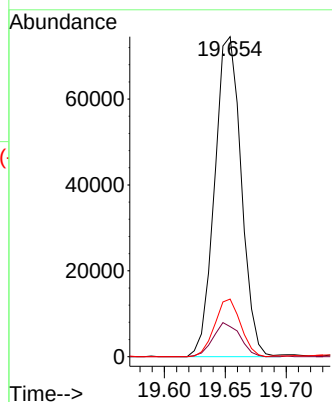
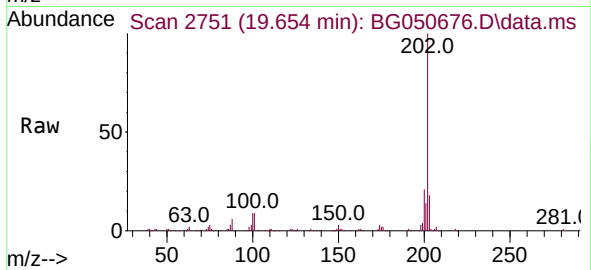




#75
Fluoranthene
Concen: 7.799 ng
RT: 19.654 min Scan# 2751
Delta R.T. -0.009 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

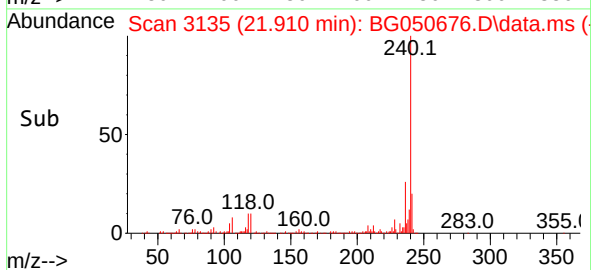
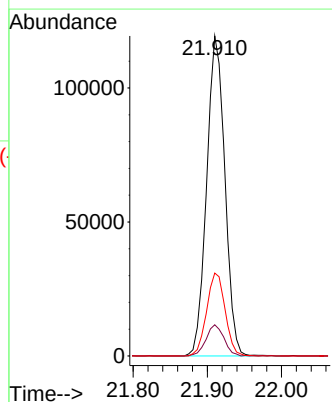
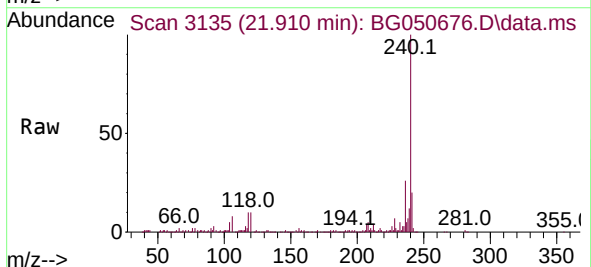
Instrument :
BNA_G
ClientSampleId :
TH-CCD

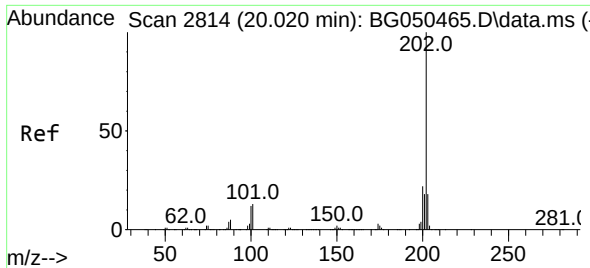
Tgt Ion:202 Resp: 113181
Ion Ratio Lower Upper
202 100
101 9.4 0.0 24.7
203 18.0 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.910 min Scan# 3135
Delta R.T. -0.015 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

Tgt Ion:240 Resp: 203731
Ion Ratio Lower Upper
240 100
120 9.8 4.2 6.2#
236 25.9 21.8 32.6

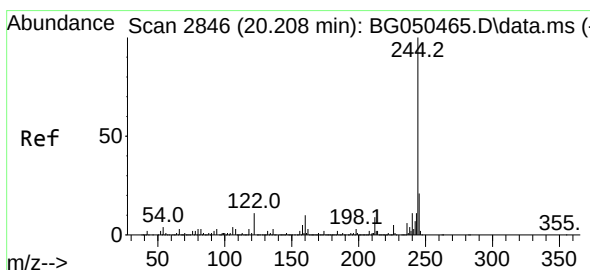
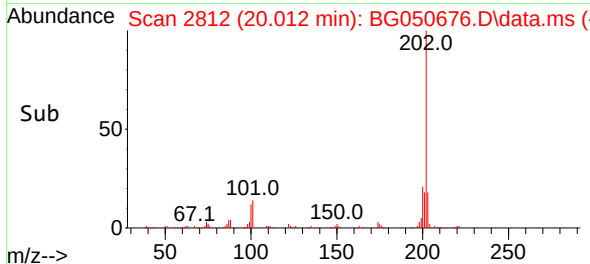
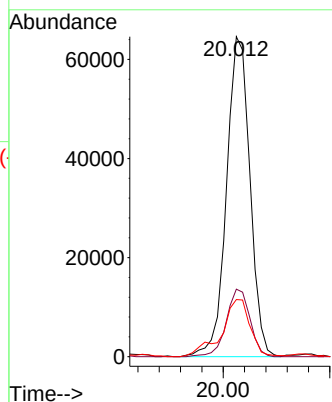
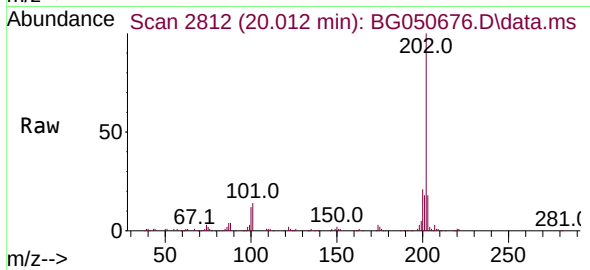




#78
Pyrene
Concen: 6.827 ng
RT: 20.012 min Scan# 2812
Delta R.T. -0.009 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

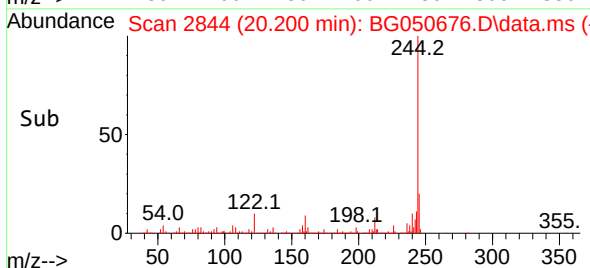
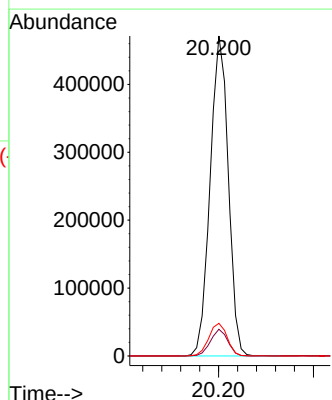
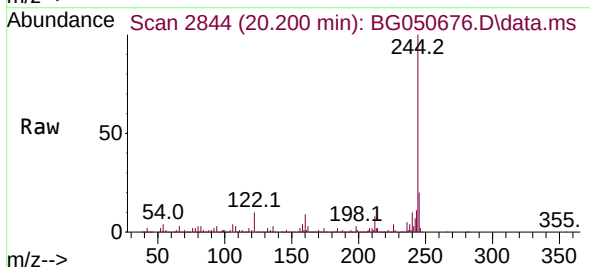
Instrument :
BNA_G
ClientSampleId :
TH-CCD

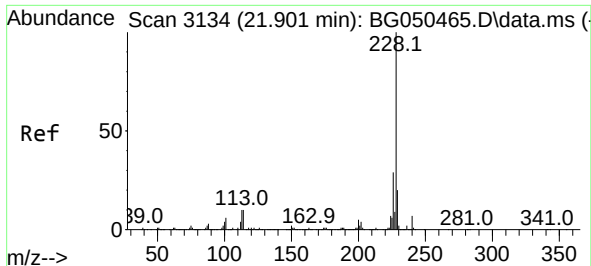
Tgt Ion:202 Resp: 98688
Ion Ratio Lower Upper
202 100
200 21.1 15.8 23.8
203 17.9 14.6 21.8



#79
Terphenyl-d14
Concen: 60.038 ng
RT: 20.200 min Scan# 2844
Delta R.T. -0.009 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

Tgt Ion:244 Resp: 627638
Ion Ratio Lower Upper
244 100
212 8.3 6.9 10.3
122 10.2 5.0 7.6#

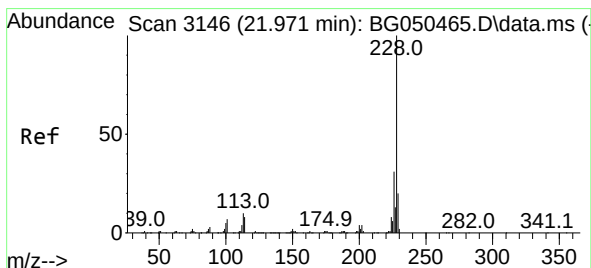
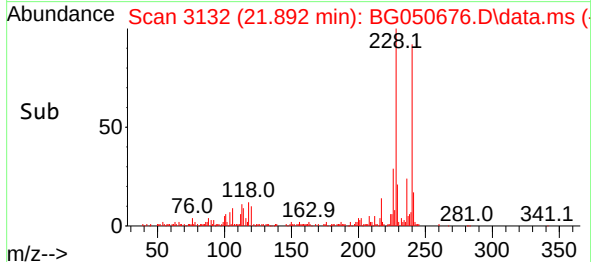
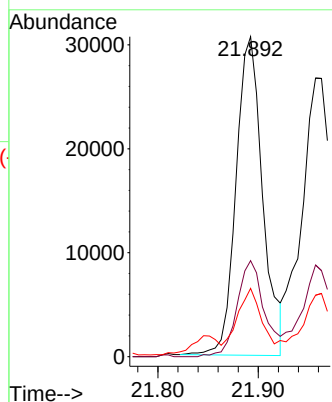
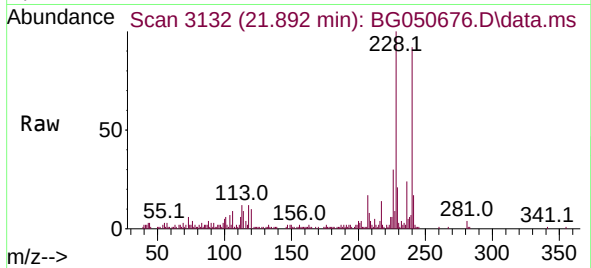




#81
Benzo(a)anthracene
Concen: 4.188 ng
RT: 21.892 min Scan# 3132
Delta R.T. -0.009 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

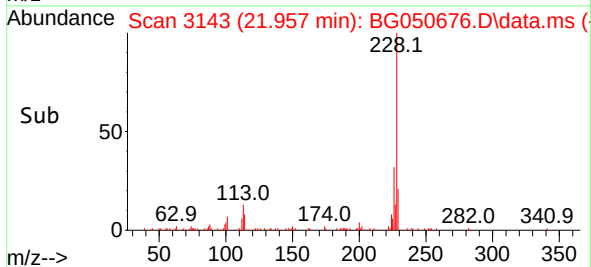
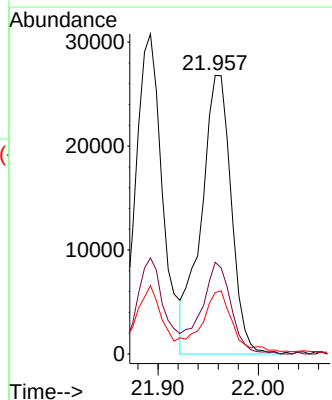
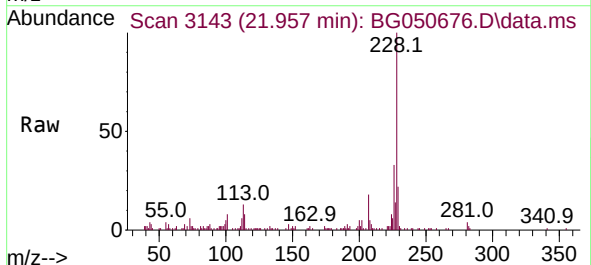
Instrument :
BNA_G
ClientSampled :
TH-CCD

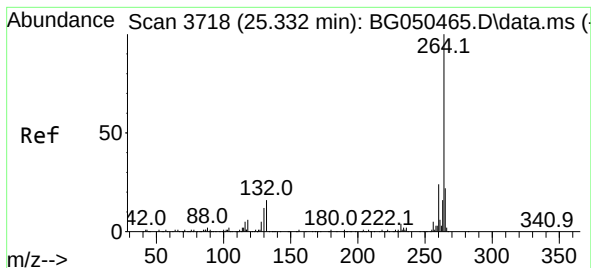
Tgt Ion:228 Resp: 56453
Ion Ratio Lower Upper
228 100
226 30.0 22.7 34.1
229 21.4 16.0 24.0



#83
Chrysene
Concen: 4.410 ng
RT: 21.957 min Scan# 3143
Delta R.T. -0.015 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

Tgt Ion:228 Resp: 55915
Ion Ratio Lower Upper
228 100
226 32.9 23.1 34.7
229 22.0 15.3 22.9



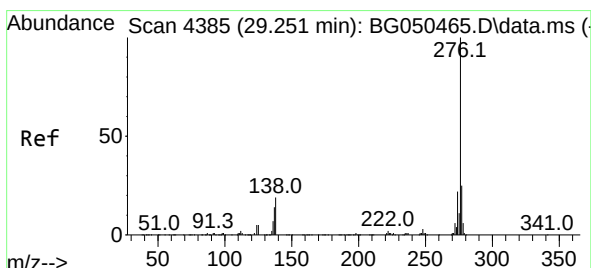
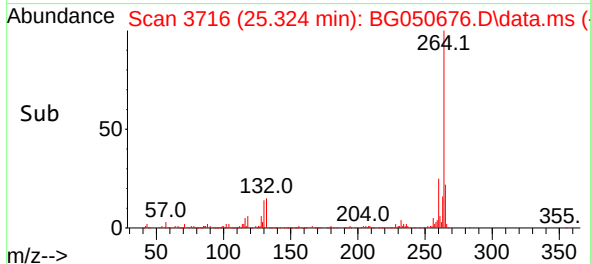
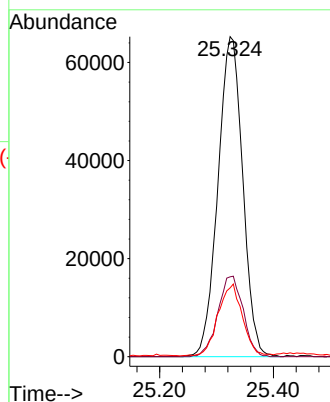
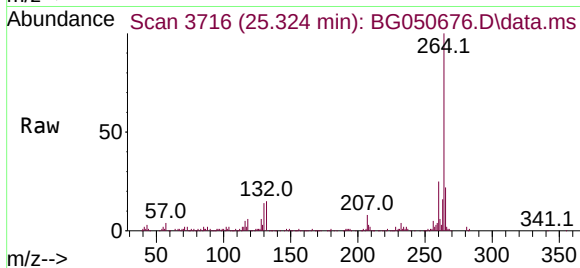


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.324 min Scan# 3716
Delta R.T. -0.009 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

Instrument :
BNA_G
ClientSampleId :
TH-CCD

Tgt Ion:264 Resp: 197435

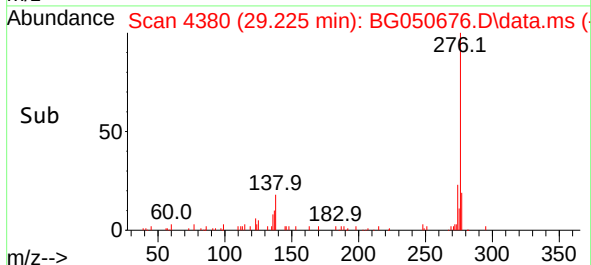
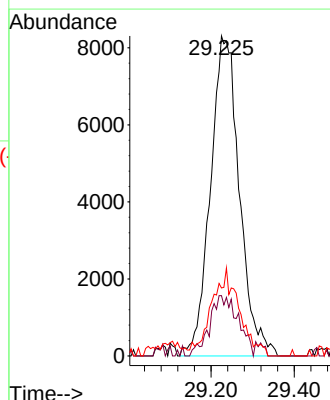
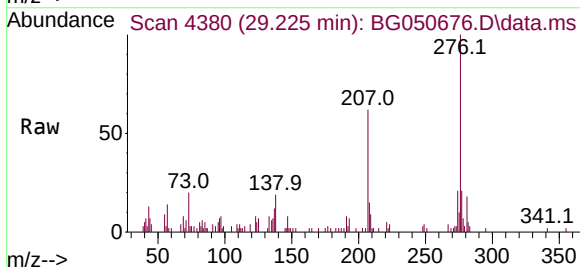
Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.2
265	21.5	16.9	25.3

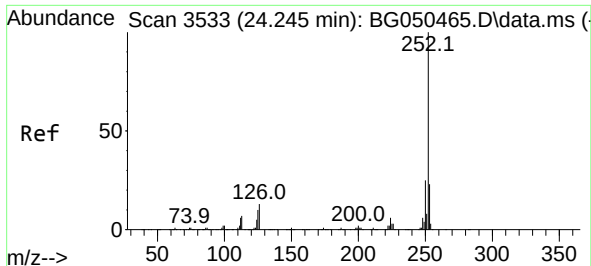


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.923 ng
RT: 29.225 min Scan# 4380
Delta R.T. -0.038 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

Tgt Ion:276 Resp: 40198

Ion	Ratio	Lower	Upper
276	100		
138	18.6	5.1	7.7#
277	21.8	19.8	29.6

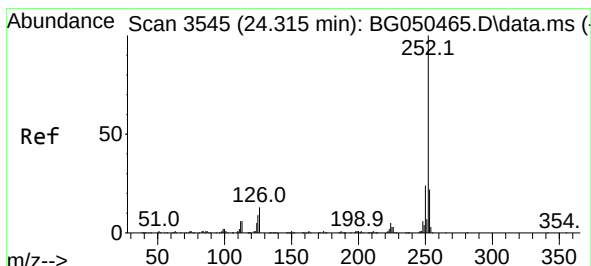
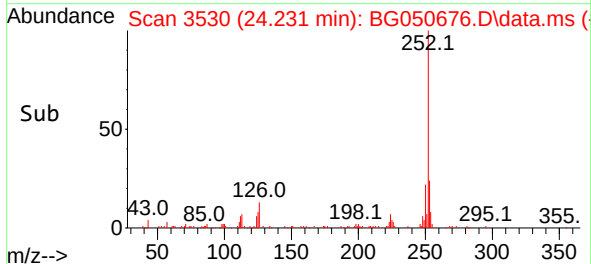
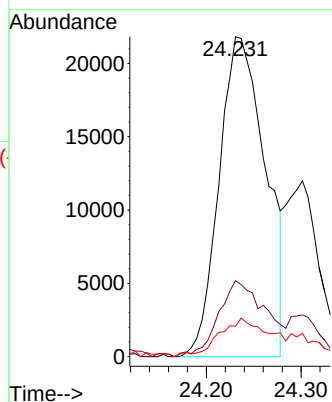
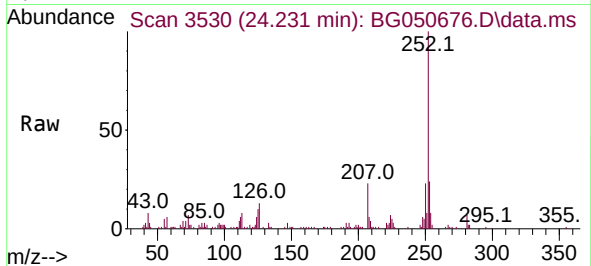




#88
Benzo(b)fluoranthene
Concen: 6.139 ng
RT: 24.231 min Scan# 3530
Delta R.T. -0.015 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

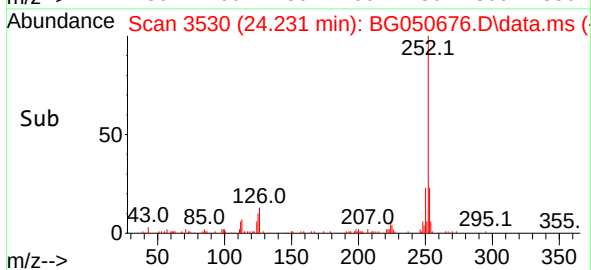
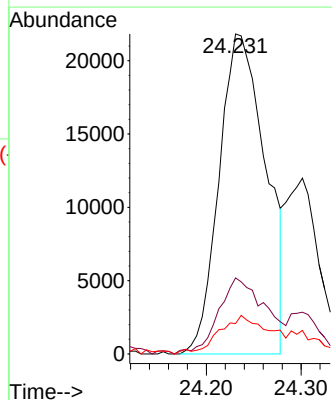
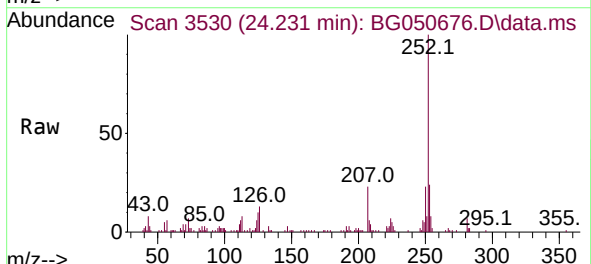
Instrument :
BNA_G
ClientSampled :
TH-CCD

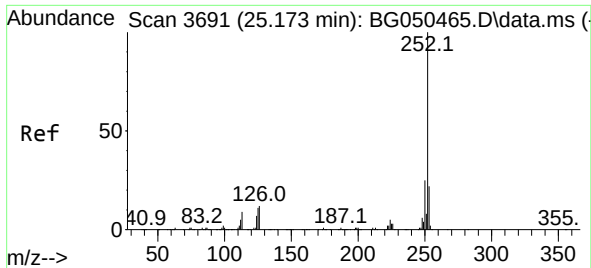
Tgt Ion:252 Resp: 74235
Ion Ratio Lower Upper
252 100
253 23.8 16.2 24.4
125 9.5 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 6.241 ng
RT: 24.231 min Scan# 3530
Delta R.T. -0.085 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

Tgt Ion:252 Resp: 74235
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 9.5 3.1 4.7#

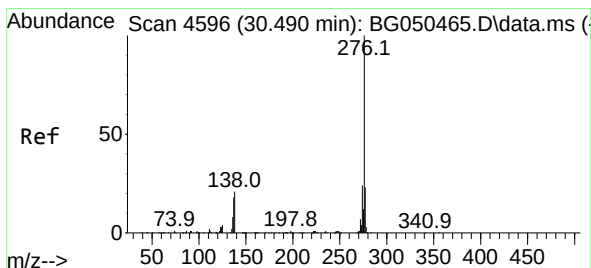
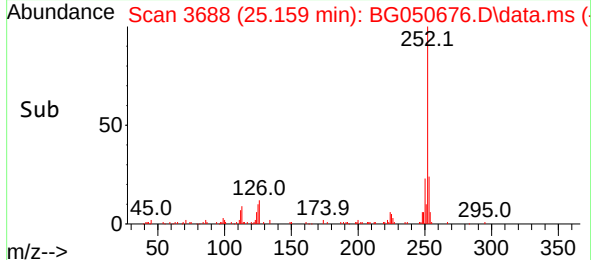
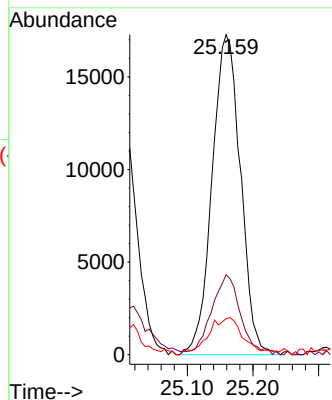
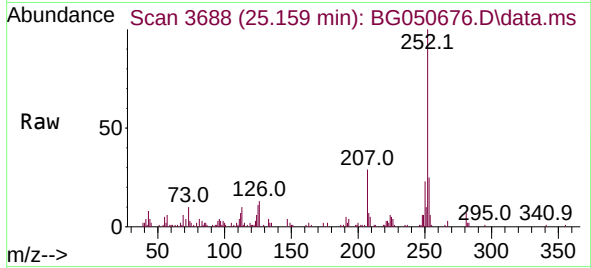




#90
Benzo(a)pyrene
Concen: 5.047 ng
RT: 25.159 min Scan# 3688
Delta R.T. -0.015 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

Instrument :
BNA_G
ClientSampled :
TH-CCD

Tgt Ion:252 Resp: 51890
Ion Ratio Lower Upper
252 100
253 25.0 16.6 25.0#
125 11.3 3.5 5.3#



#92
Benzo(g,h,i)perylene
Concen: 3.173 ng
RT: 30.453 min Scan# 4589
Delta R.T. -0.044 min
Lab File: BG050676.D
Acq: 21 Oct 2021 21:08

Tgt Ion:276 Resp: 35344
Ion Ratio Lower Upper
276 100
277 21.2 18.4 27.6
138 23.3 7.0 10.6#

