

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042621\
 Data File : BG048881.D
 Acq On : 26 Apr 2021 16:52
 Operator : CG/JU
 Sample : M2170-17
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AN-1

Quant Time: Apr 26 17:32:26 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 26 13:36:49 2021
 Response via : Initial Calibration

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

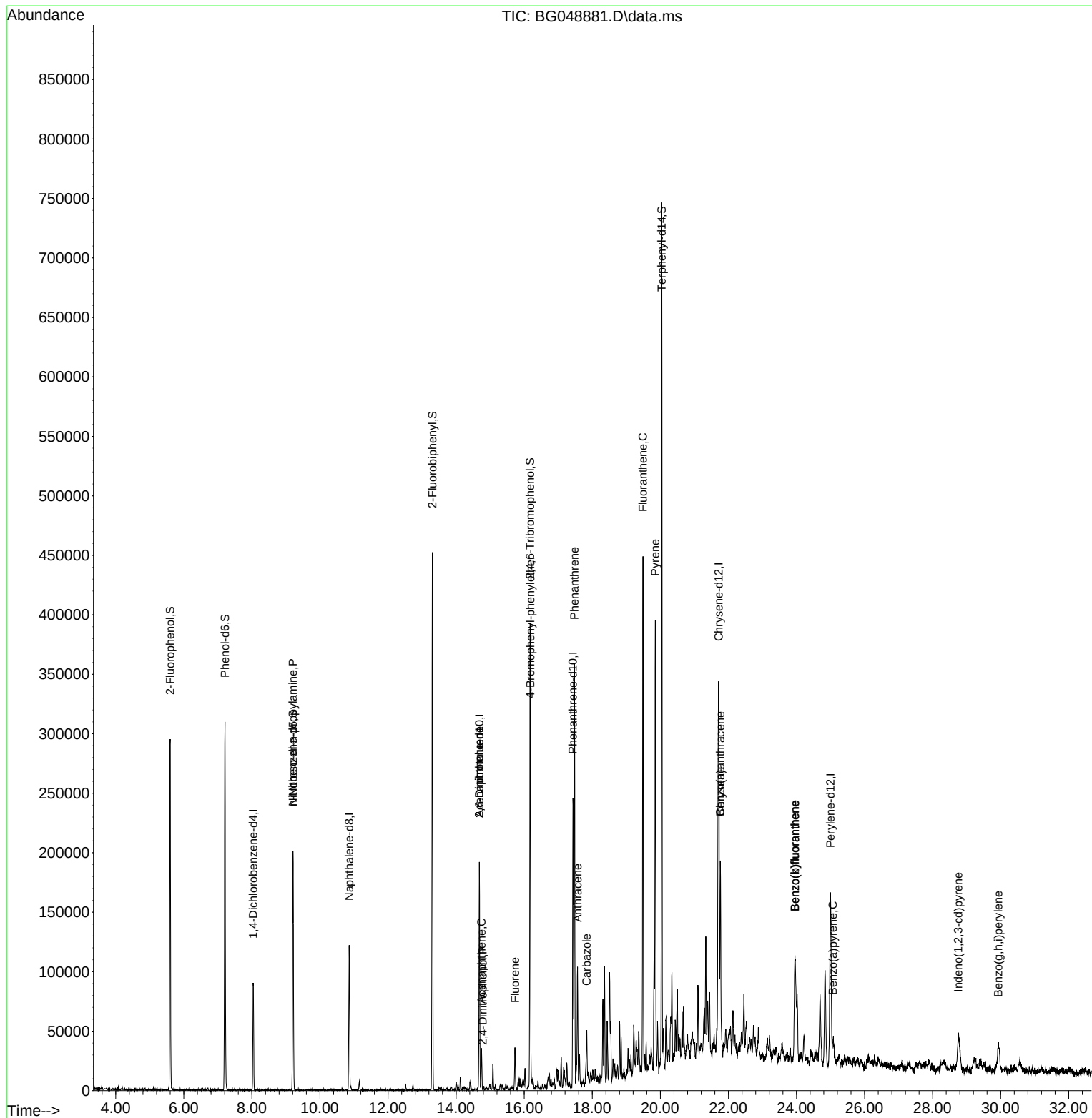
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.038	152	23753	20.00	ng	0.00
21) Naphthalene-d8	10.858	136	93001	20.00	ng	# 0.00
39) Acenaphthene-d10	14.683	164	61767	20.00	ng	0.00
64) Phenanthrene-d10	17.433	188	150219	20.00	ng	# 0.00
76) Chrysene-d12	21.716	240	140889	20.00	ng	0.00
86) Perylene-d12	25.001	264	143443	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.600	112	119406	84.08	ng	0.00
7) Phenol-d6	7.210	99	151557	75.44	ng	0.00
23) Nitrobenzene-d5	9.207	82	114891	55.31	ng	0.00
42) 2,4,6-Tribromophenol	16.176	330	60246	72.75	ng	0.00
45) 2-Fluorobiphenyl	13.303	172	207373	48.48	ng	0.00
79) Terphenyl-d14	20.042	244	304219	37.16	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.207	70	18391	13.57	ng	# 77
51) 2,6-Dinitrotoluene	14.683	165	8881	8.31	ng	# 14
52) Acenaphthene	14.748	154	11535	3.34	ng	96
54) 2,4-Dinitrophenol	14.777	184	76	5.39	ng	# 8
57) 2,4-Dinitrotoluene	14.683	165	8881	5.72	ng	# 20
58) Fluorene	15.729	166	15294	3.26	ng	91
67) 4-Bromophenyl-phenylether	16.182	248	4419	2.56	ng	# 1
71) Phenanthrene	17.480	178	216844	27.81	ng	94
72) Anthracene	17.568	178	61921	8.03	ng	97
73) Carbazole	17.838	167	27568	3.73	ng	# 89
75) Fluoranthene	19.489	202	259432	26.31	ng	99
78) Pyrene	19.854	202	242653	24.89	ng	100
81) Benzo(a)anthracene	21.763	228	110248	11.45	ng	97
83) Chrysene	21.763	228	110248	12.02	ng	97
87) Indeno(1,2,3-cd)pyrene	28.749	276	47567	4.52	ng	97
88) Benzo(b)fluoranthene	23.955	252	110337	11.34	ng	# 92
89) Benzo(k)fluoranthene	23.955	252	110337	12.06	ng	# 97
90) Benzo(a)pyrene	25.071	252	21859	2.44	ng	95
92) Benzo(g,h,i)perylene	29.930	276	44215	4.96	ng	# 87

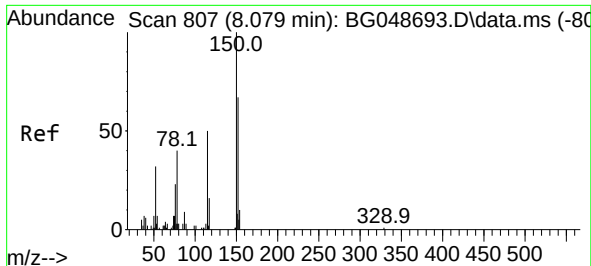
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Apr 26 13:36:49 2021
Response via : Initial Calibration

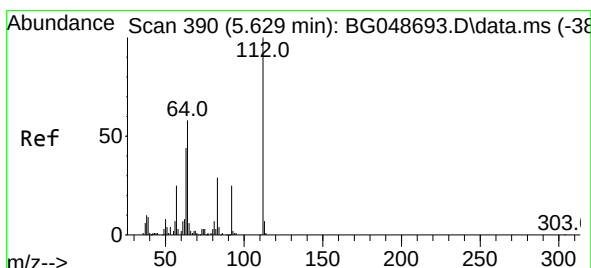
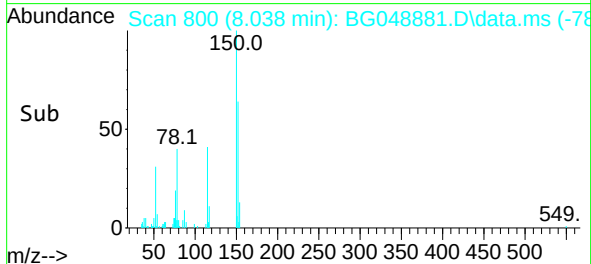
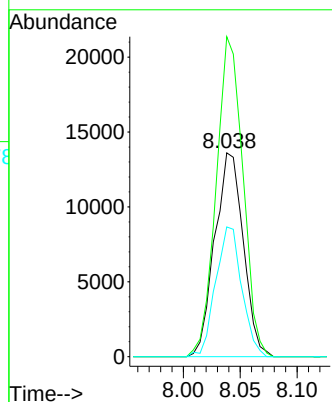
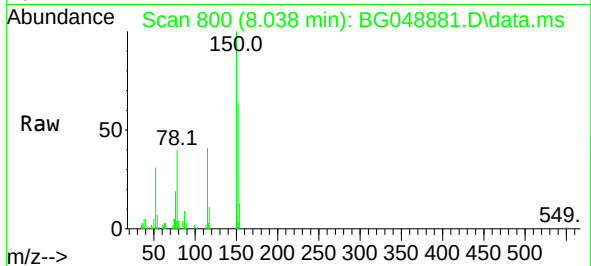




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.038 min Scan# 800
Delta R.T. -0.003 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

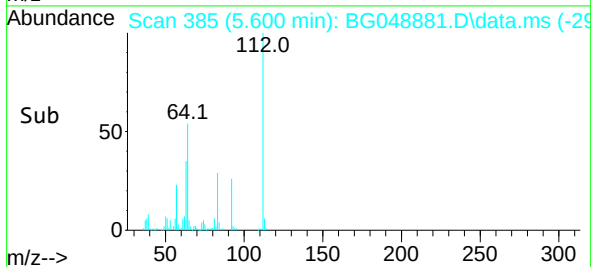
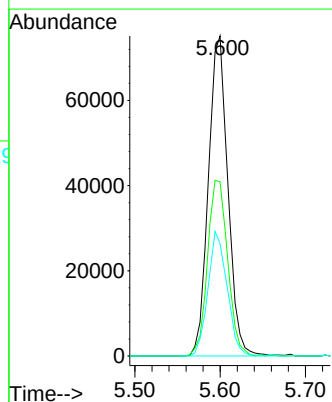
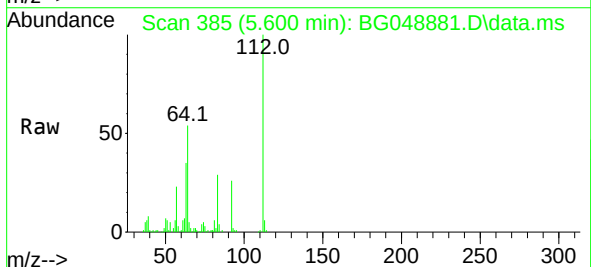
Instrument :
BNA_G
ClientSampled :
AN-1

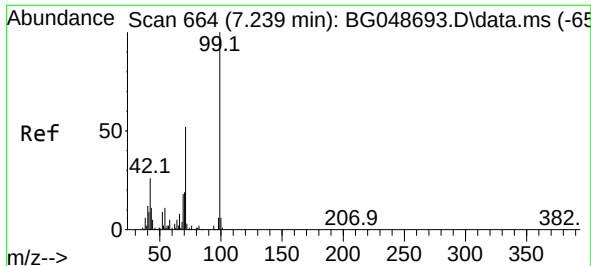
Tgt Ion:152 Resp: 23753
Ion Ratio Lower Upper
152 100
150 157.0 119.4 179.0
115 63.7 60.2 90.4



#5
2-Fluorophenol
Concen: 84.08 ng
RT: 5.600 min Scan# 385
Delta R.T. 0.003 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

Tgt Ion:112 Resp: 119406
Ion Ratio Lower Upper
112 100
64 54.4 46.7 70.1
63 35.1 35.3 52.9#

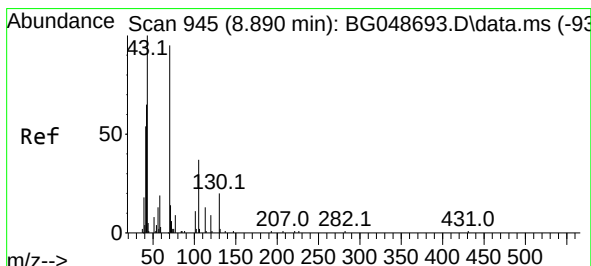
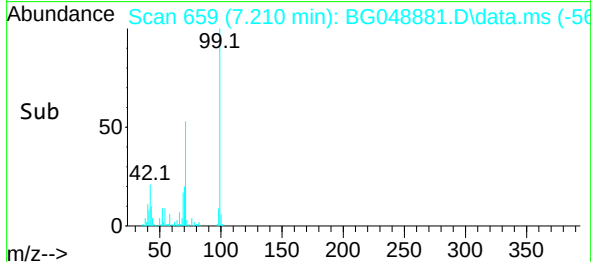
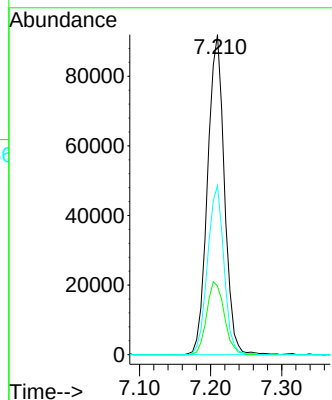
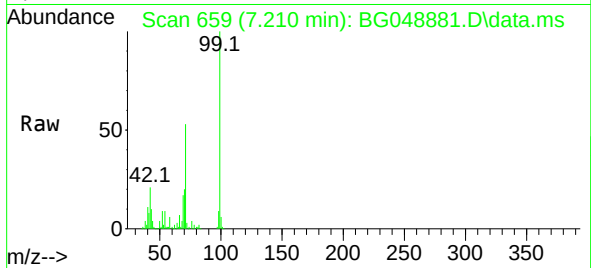




#7
Phenol-d6
Concen: 75.44 ng
RT: 7.210 min Scan# 659
Delta R.T. -0.003 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

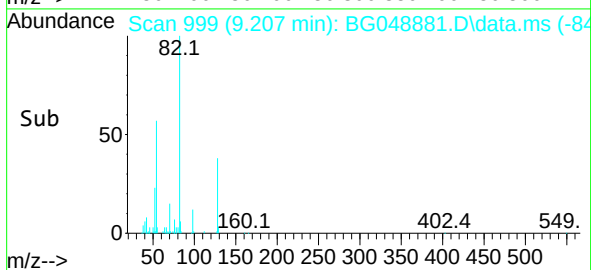
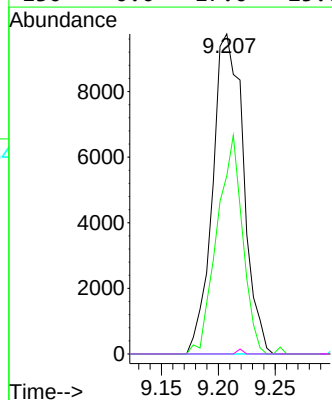
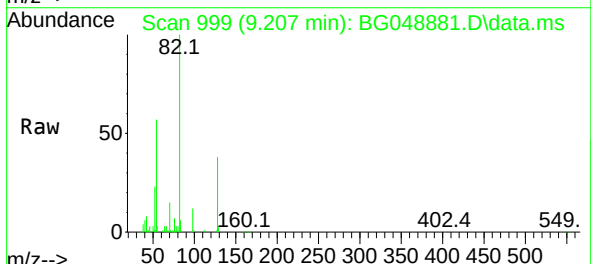
Instrument :
BNA_G
ClientSampled :
AN-1

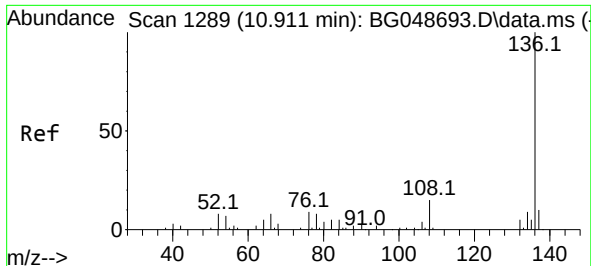
Tgt Ion: 99 Resp: 151557
Ion Ratio Lower Upper
99 100
42 21.4 20.5 30.7
71 52.8 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.57 ng
RT: 9.207 min Scan# 999
Delta R.T. 0.361 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

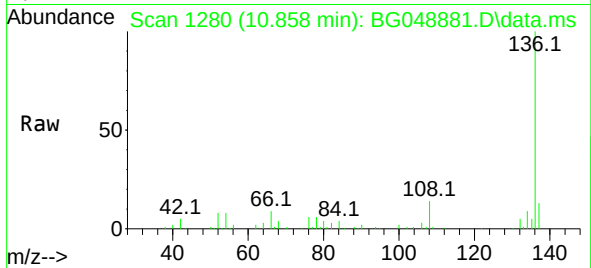
Tgt Ion: 70 Resp: 18391
Ion Ratio Lower Upper
70 100
42 55.7 54.5 81.7
101 0.0 9.0 13.6#
130 0.0 17.0 25.6#



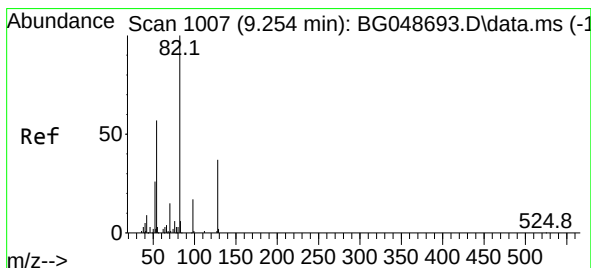
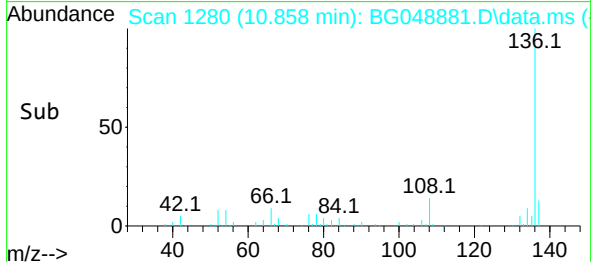
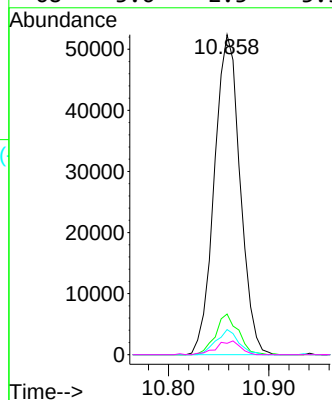


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.858 min Scan# 1280
Delta R.T. -0.003 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

Instrument :
BNA_G
ClientSampled :
AN-1

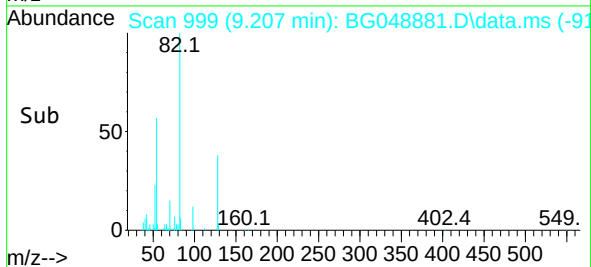
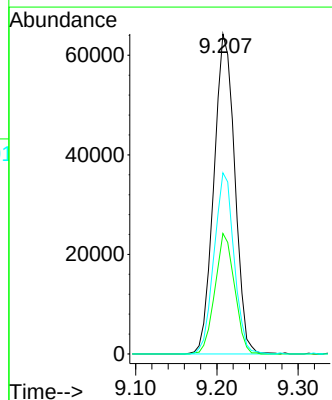
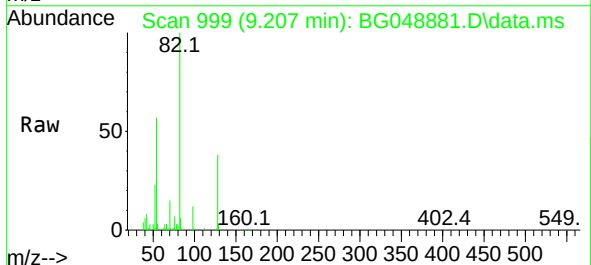


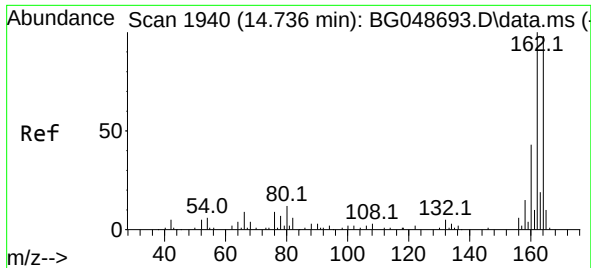
Tgt Ion:	136	Resp:	93001
Ion Ratio	Lower	Upper	
136	100		
137	12.7	8.2	12.2#
54	7.9	5.5	8.3
68	3.6	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 55.31 ng
RT: 9.207 min Scan# 999
Delta R.T. -0.009 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

Tgt Ion:	82	Resp:	114891
Ion Ratio	Lower	Upper	
82	100		
128	37.7	29.8	44.6
54	56.6	45.8	68.8

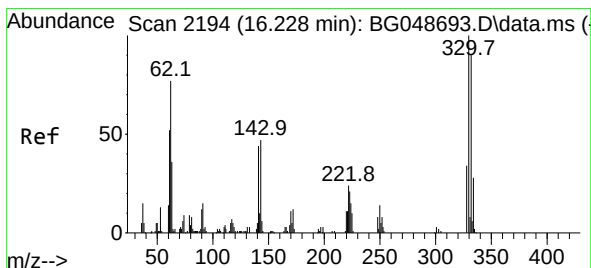
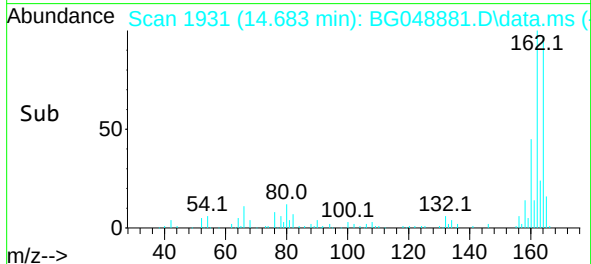
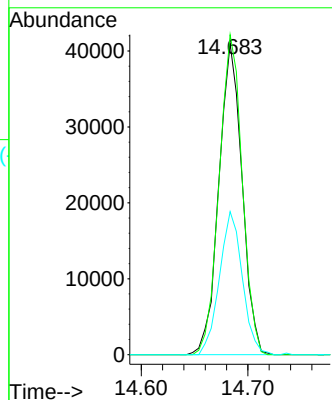
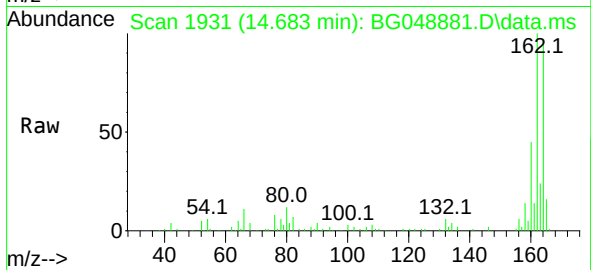




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.683 min Scan# 1931
Delta R.T. -0.003 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

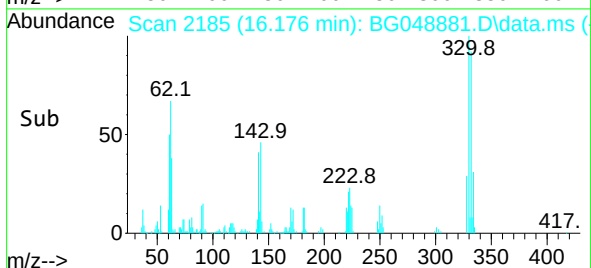
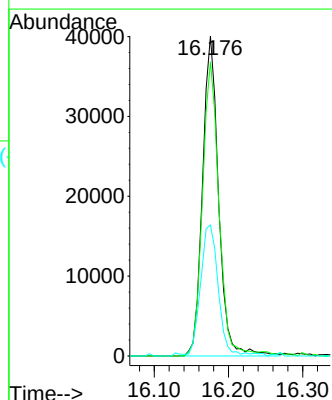
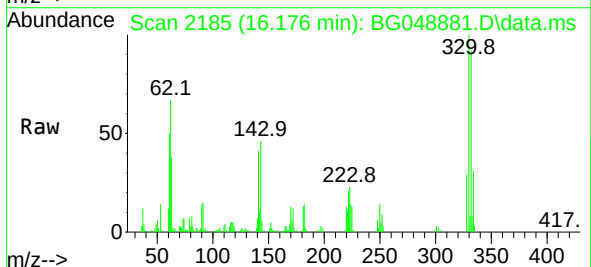
Instrument :
BNA_G
ClientSampleId :
AN-1

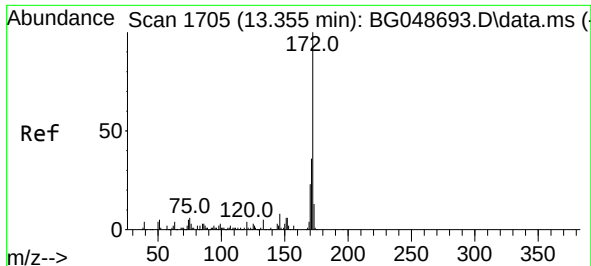
Tgt Ion:164 Resp: 61767
Ion Ratio Lower Upper
164 100
162 102.8 81.4 122.0
160 46.0 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 72.75 ng
RT: 16.176 min Scan# 2185
Delta R.T. -0.003 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

Tgt Ion:330 Resp: 60246
Ion Ratio Lower Upper
330 100
332 95.5 77.3 115.9
141 45.4 35.6 53.4

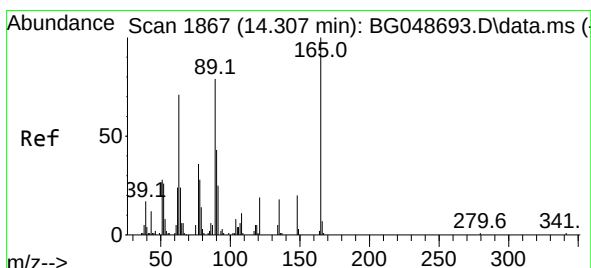
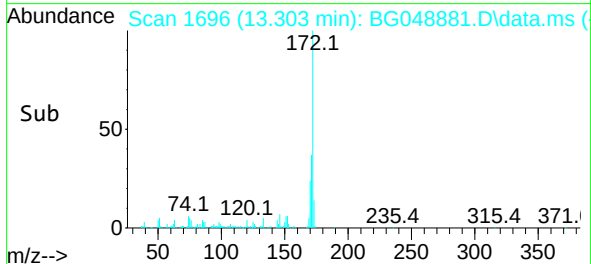
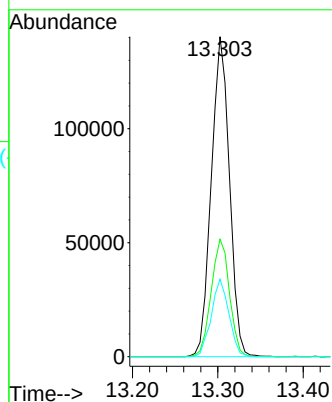
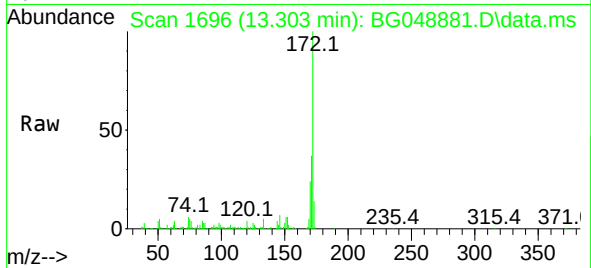




#45
2-Fluorobiphenyl
Concen: 48.48 ng
RT: 13.303 min Scan# 1696
Delta R.T. -0.003 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

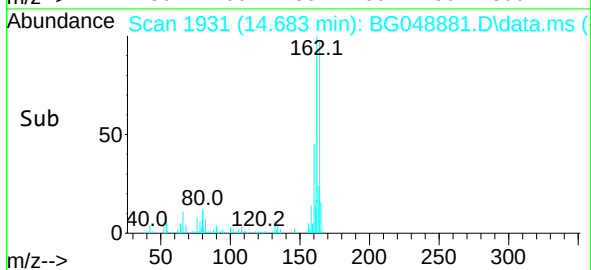
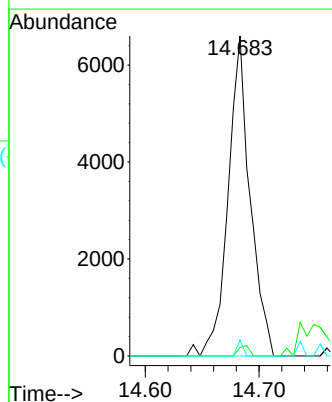
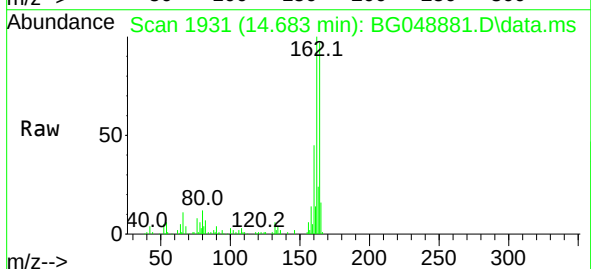
Instrument :
BNA_G
ClientSampled :
AN-1

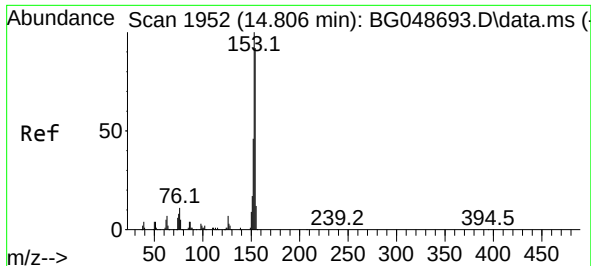
Tgt Ion:172 Resp: 207373
Ion Ratio Lower Upper
172 100
171 36.7 28.6 43.0
170 24.2 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.31 ng
RT: 14.683 min Scan# 1931
Delta R.T. 0.426 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

Tgt Ion:165 Resp: 8881
Ion Ratio Lower Upper
165 100
63 2.6 63.3 94.9#
89 5.0 63.4 95.0#

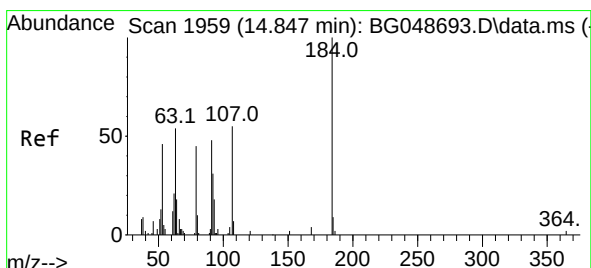
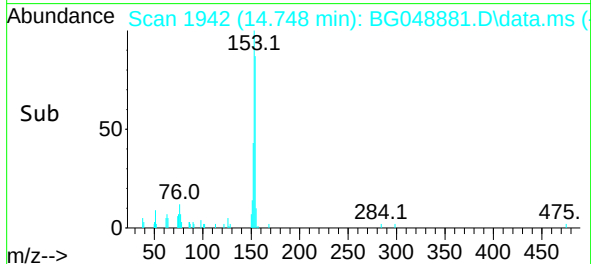
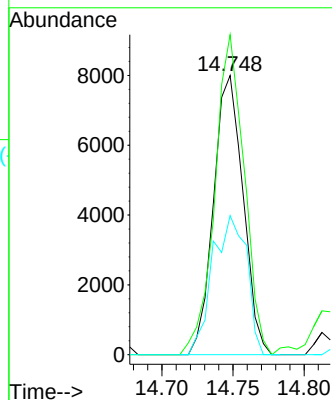
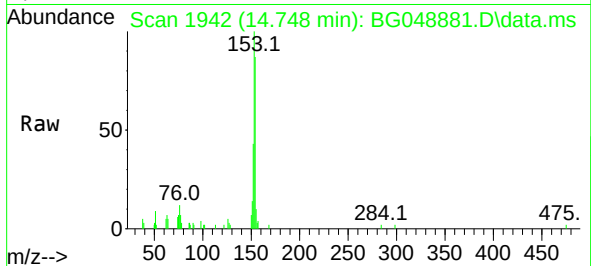




#52
Acenaphthene
Concen: 3.34 ng
RT: 14.748 min Scan# 1942
Delta R.T. -0.003 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

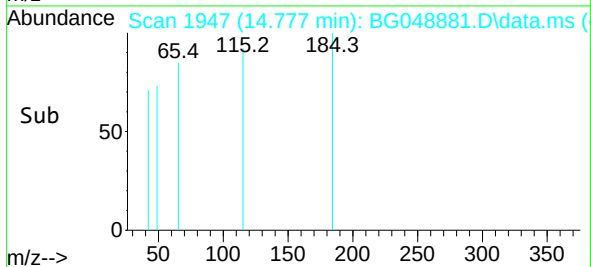
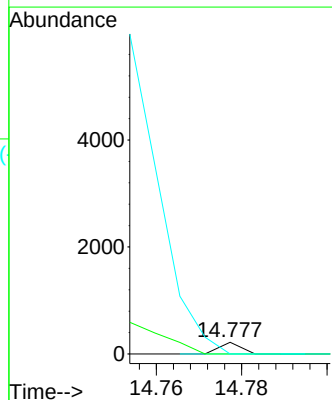
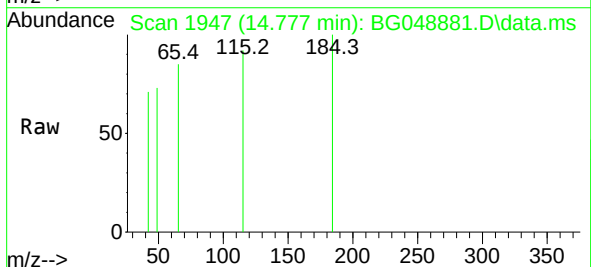
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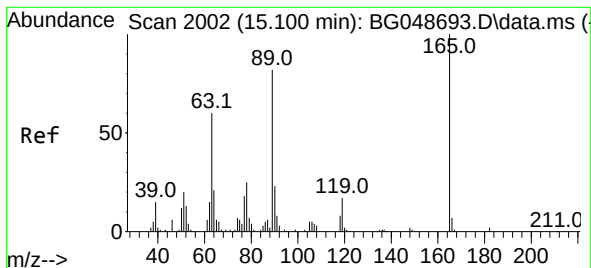
Tgt Ion:154 Resp: 11535
Ion Ratio Lower Upper
154 100
153 114.6 87.0 130.4
152 49.8 40.1 60.1



#54
2,4-Dinitrophenol
Concen: 5.39 ng
RT: 14.777 min Scan# 1947
Delta R.T. -0.032 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

Tgt Ion:184 Resp: 76
Ion Ratio Lower Upper
184 100
63 0.0 68.3 102.5#
154 0.0 62.6 93.8#

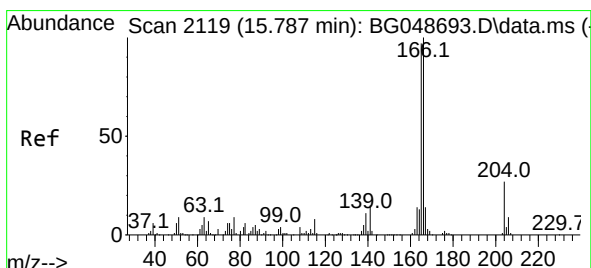
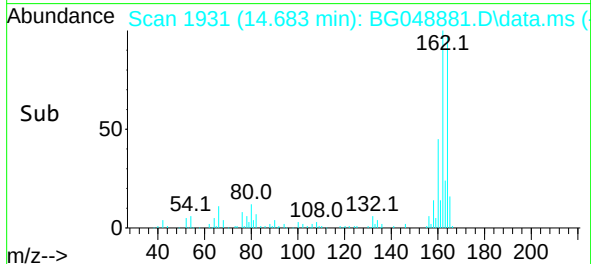
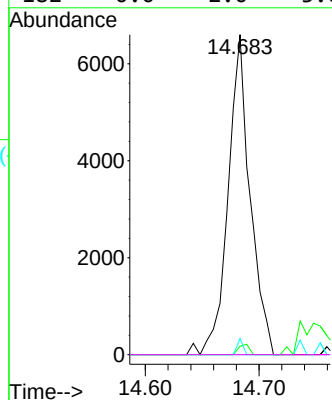
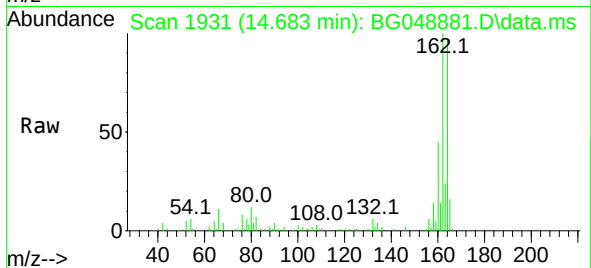




#57
2,4-Dinitrotoluene
Concen: 5.72 ng
RT: 14.683 min Scan# 1931
Delta R.T. -0.367 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

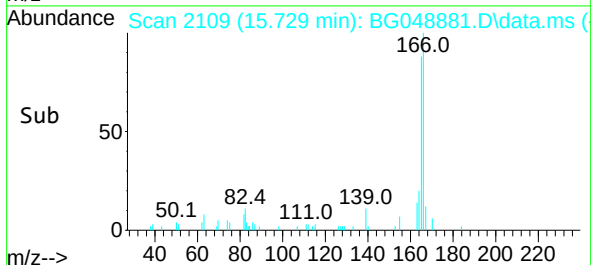
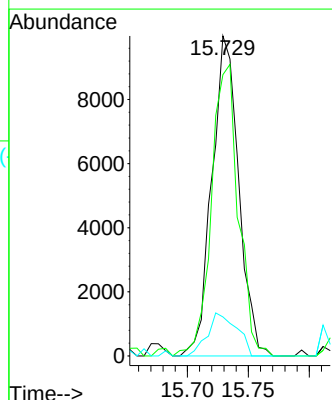
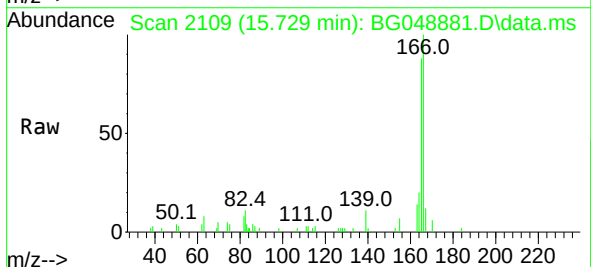
Instrument :
BNA_G
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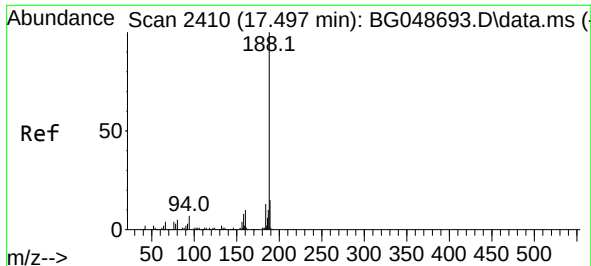
Tgt Ion:165 Resp: 8881
Ion Ratio Lower Upper
165 100
63 2.6 48.0 72.0#
89 5.0 65.4 98.0#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 3.26 ng
RT: 15.729 min Scan# 2109
Delta R.T. -0.003 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

Tgt Ion:166 Resp: 15294
Ion Ratio Lower Upper
166 100
165 87.9 77.7 116.5
167 12.2 10.8 16.2

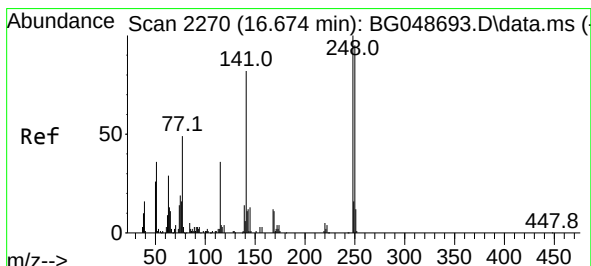
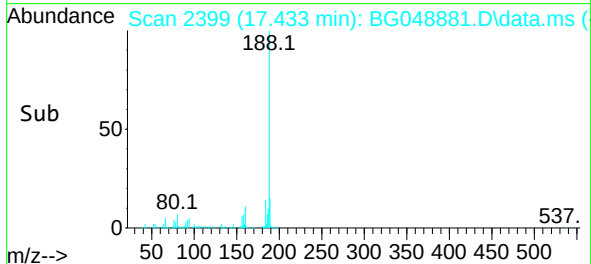
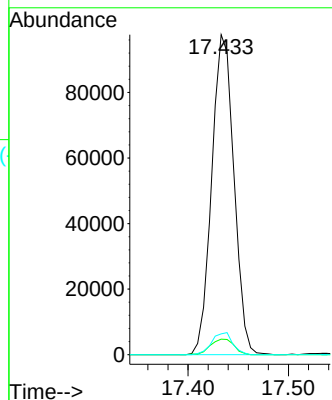
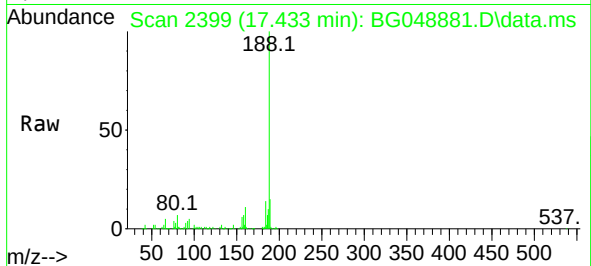




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.433 min Scan# 2399
Delta R.T. -0.003 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

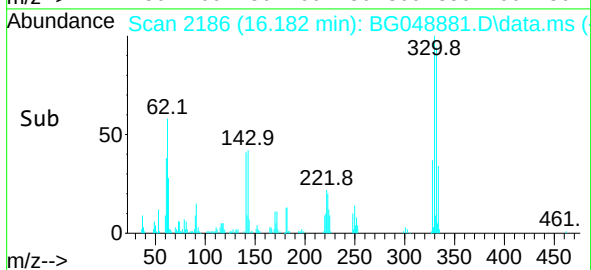
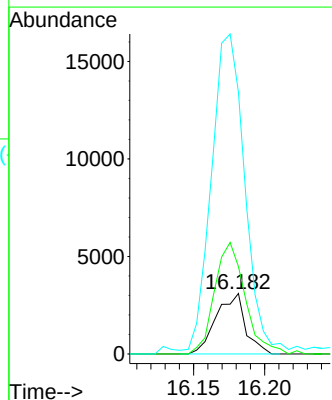
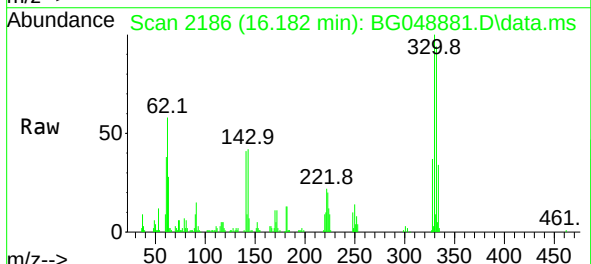
Instrument :
BNA_G
ClientSampled :
AN-1

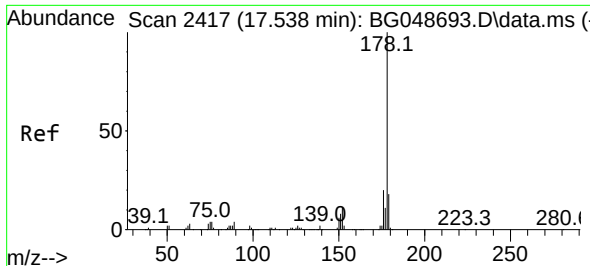
Tgt Ion:188 Resp: 150219
Ion Ratio Lower Upper
188 100
94 4.8 5.4 8.0#
80 6.5 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 2.56 ng
RT: 16.182 min Scan# 2186
Delta R.T. -0.438 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

Tgt Ion:248 Resp: 4419
Ion Ratio Lower Upper
248 100
250 115.8 76.1 114.1#
141 346.6 65.4 98.2#

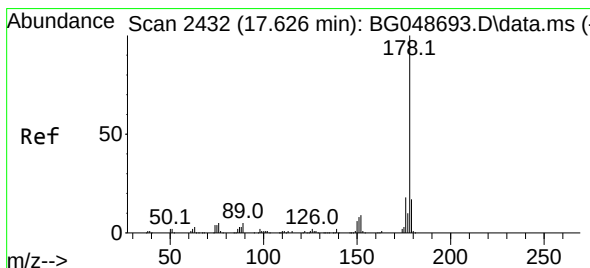
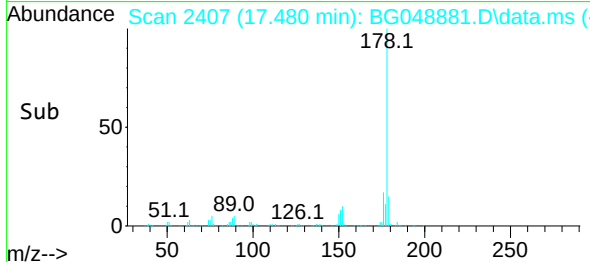
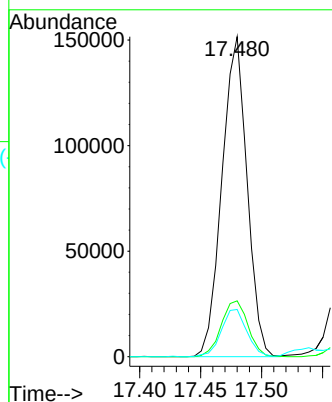
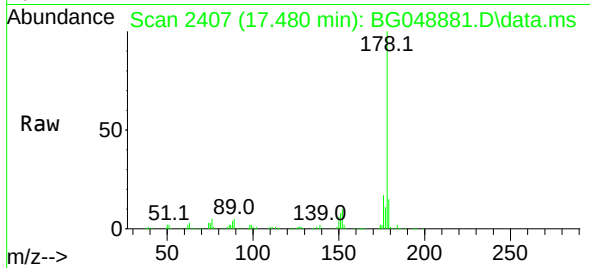




#71
Phenanthrene
Concen: 27.81 ng
RT: 17.480 min Scan# 2407
Delta R.T. -0.003 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

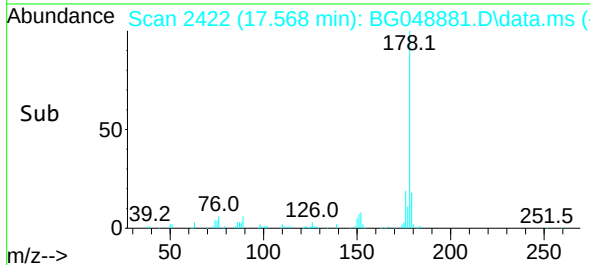
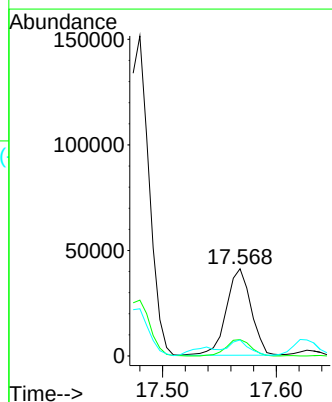
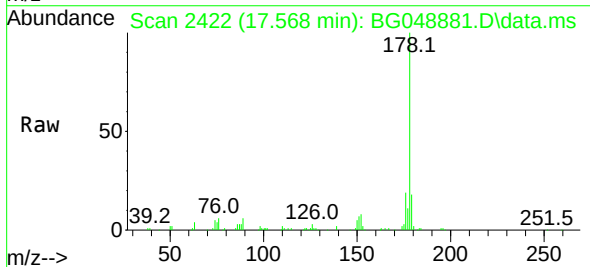
Instrument :
BNA_G
ClientSampled :
AN-1

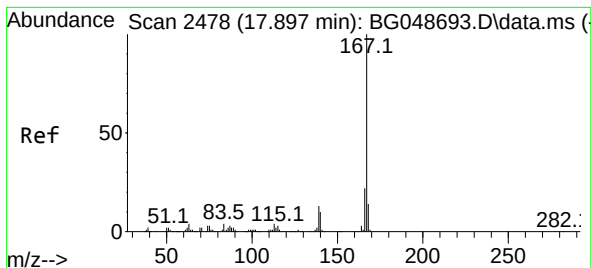
Tgt Ion:178 Resp: 216844
Ion Ratio Lower Upper
178 100
176 17.4 16.0 24.0
179 14.7 14.2 21.4



#72
Anthracene
Concen: 8.03 ng
RT: 17.568 min Scan# 2422
Delta R.T. -0.003 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

Tgt Ion:178 Resp: 61921
Ion Ratio Lower Upper
178 100
176 18.8 14.6 21.8
179 18.4 13.4 20.0

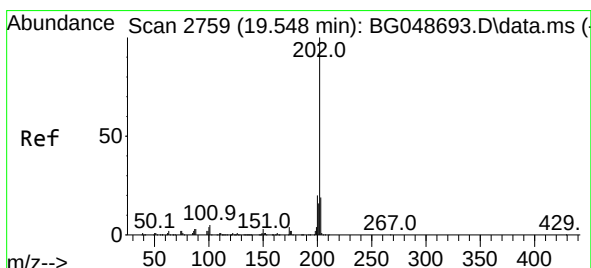
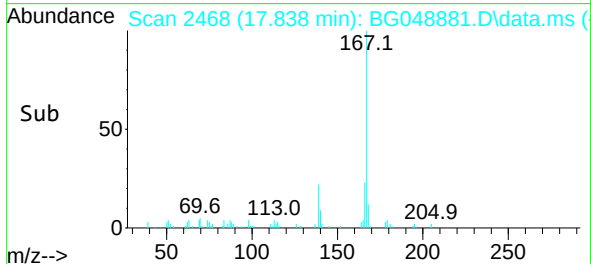
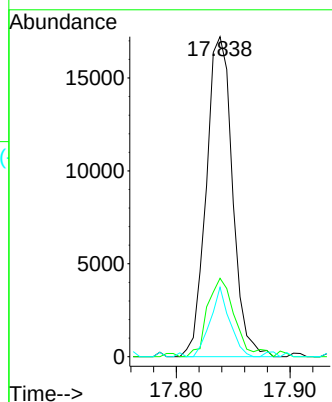
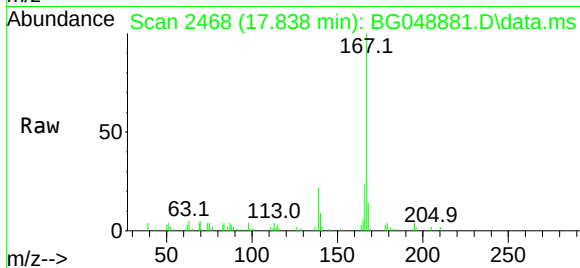




#73
 Carbazole
 Concen: 3.73 ng
 RT: 17.838 min Scan# 2468
 Delta R.T. -0.003 min
 Lab File: BG048881.D
 Acq: 26 Apr 2021 16:52

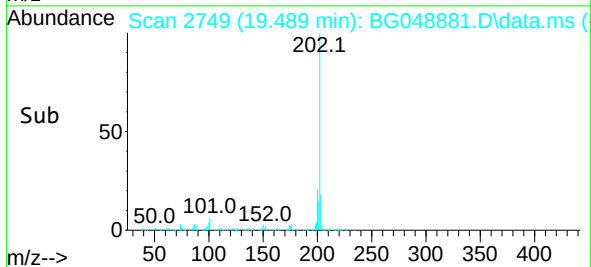
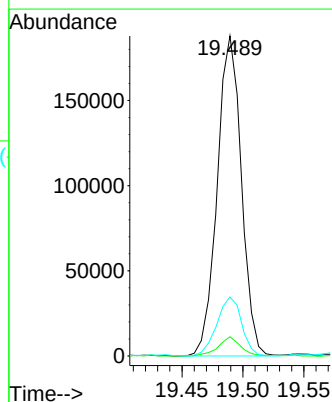
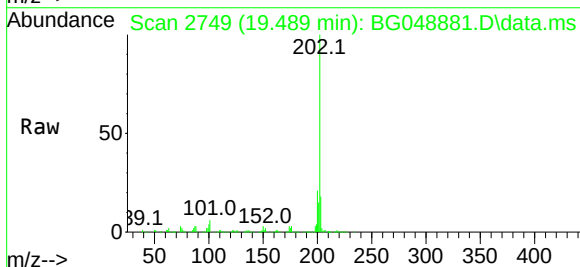
Instrument :
 BNA_G
 ClientSampled :
 AN-1

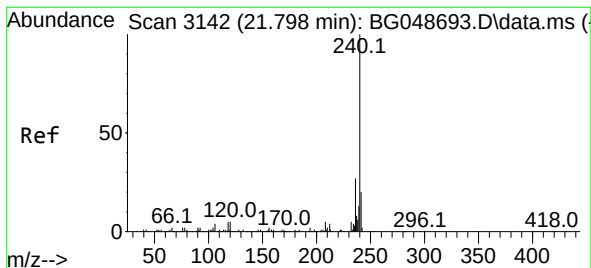
Tgt Ion:167 Resp: 27568
 Ion Ratio Lower Upper
 167 100
 166 24.5 17.4 26.2
 139 21.7 10.7 16.1#



#75
 Fluoranthene
 Concen: 26.31 ng
 RT: 19.489 min Scan# 2749
 Delta R.T. -0.003 min
 Lab File: BG048881.D
 Acq: 26 Apr 2021 16:52

Tgt Ion:202 Resp: 259432
 Ion Ratio Lower Upper
 202 100
 101 6.0 0.0 24.7
 203 18.5 0.0 38.5

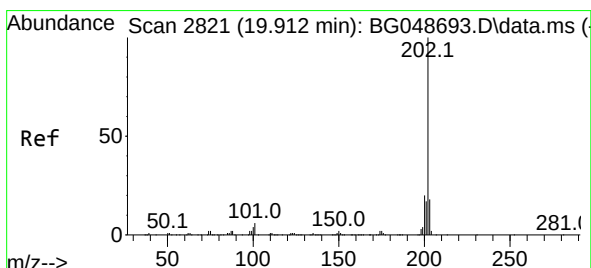
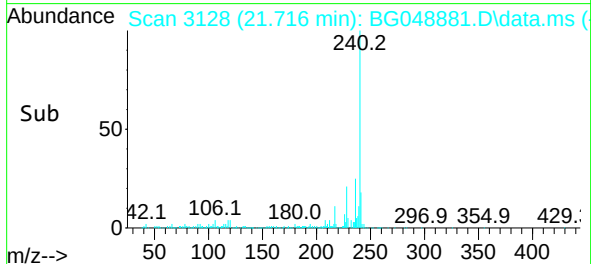
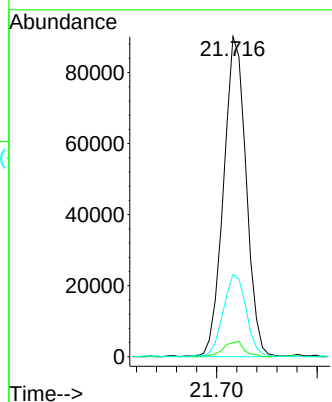
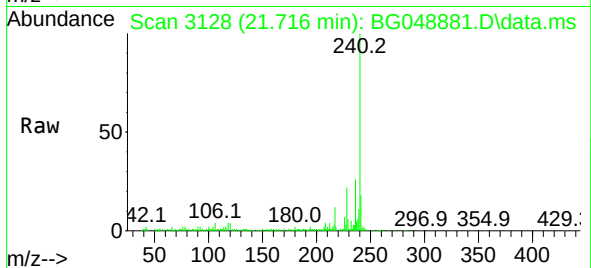




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.716 min Scan# 3128
Delta R.T. -0.009 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

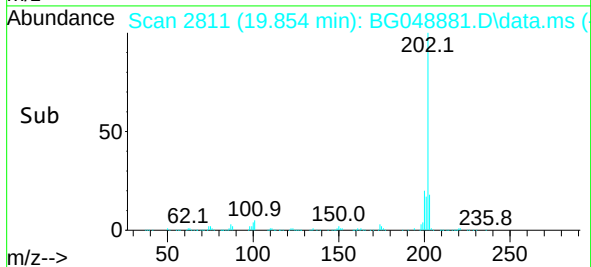
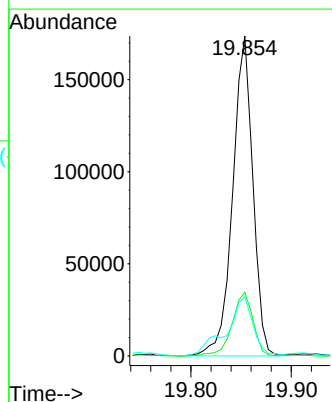
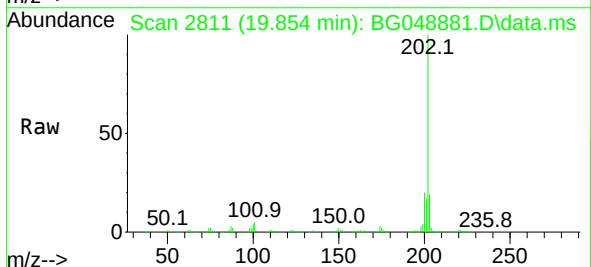
Instrument :
BNA_G
ClientSampleId :
AN-1

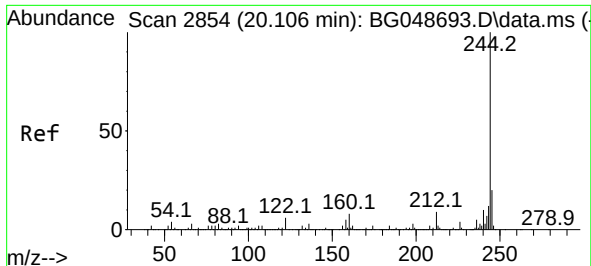
Tgt Ion:240 Resp: 140889
Ion Ratio Lower Upper
240 100
120 4.4 4.2 6.2
236 25.6 21.8 32.6



#78
Pyrene
Concen: 24.89 ng
RT: 19.854 min Scan# 2811
Delta R.T. -0.003 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

Tgt Ion:202 Resp: 242653
Ion Ratio Lower Upper
202 100
200 19.9 15.8 23.8
203 18.5 14.6 21.8

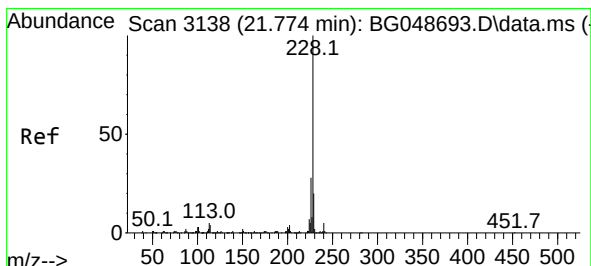
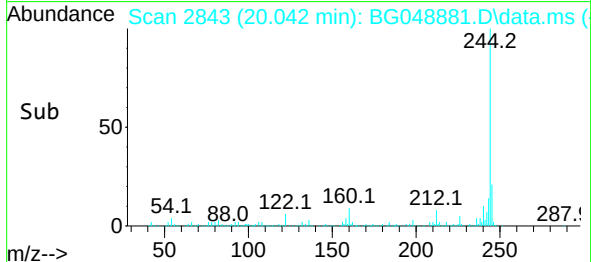
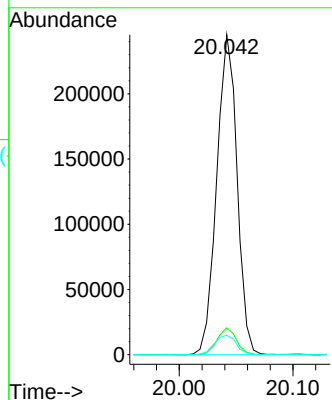
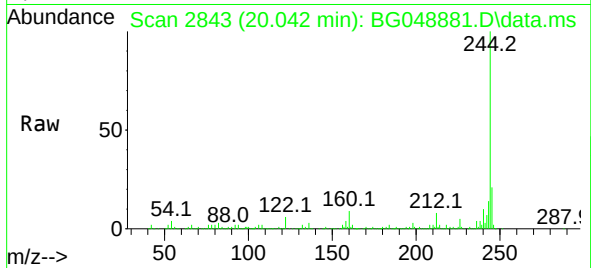




#79
 Terphenyl-d14
 Concen: 37.16 ng
 RT: 20.042 min Scan# 2843
 Delta R.T. -0.003 min
 Lab File: BG048881.D
 Acq: 26 Apr 2021 16:52

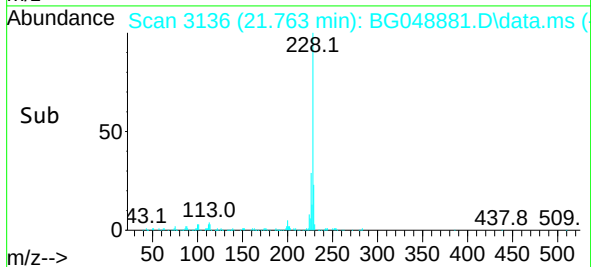
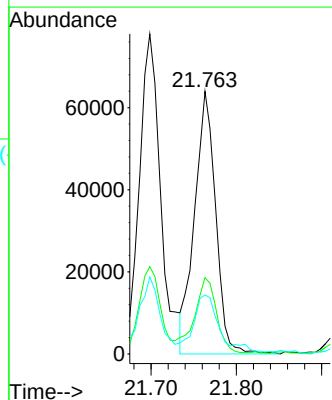
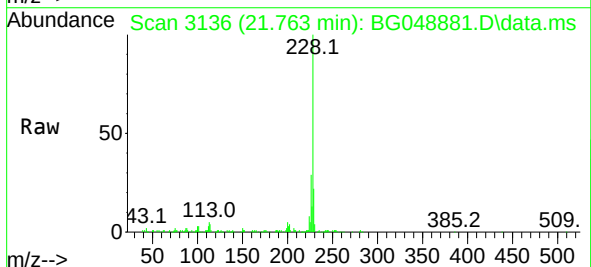
Instrument :
 BNA_G
 ClientSampled :
 AN-1

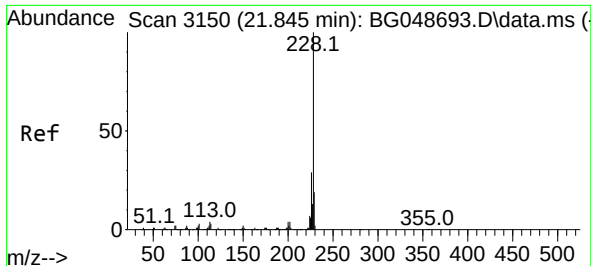
Tgt Ion:244 Resp: 304219
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.9 10.3
 122 6.1 5.0 7.6



#81
 Benzo(a)anthracene
 Concen: 11.45 ng
 RT: 21.763 min Scan# 3136
 Delta R.T. 0.062 min
 Lab File: BG048881.D
 Acq: 26 Apr 2021 16:52

Tgt Ion:228 Resp: 110248
 Ion Ratio Lower Upper
 228 100
 226 29.1 22.7 34.1
 229 22.5 16.0 24.0

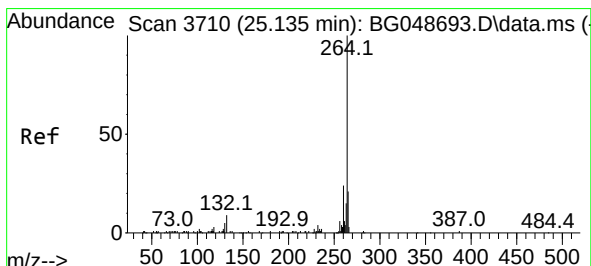
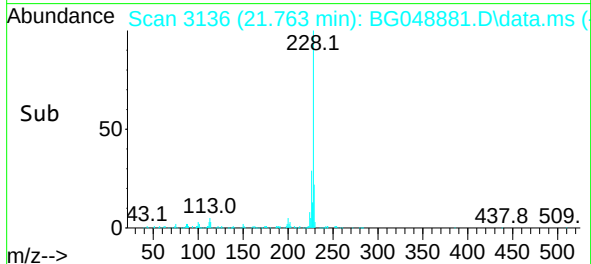
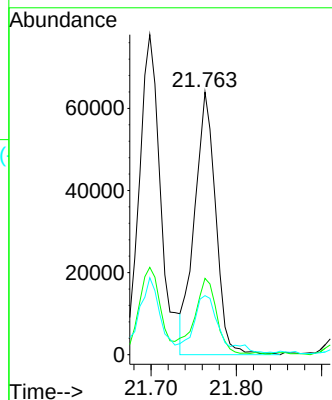
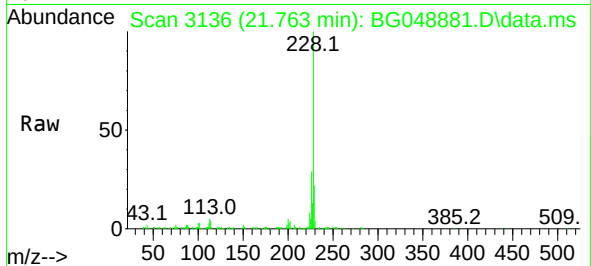




#83
Chrysene
Concen: 12.02 ng
RT: 21.763 min Scan# 3136
Delta R.T. -0.009 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

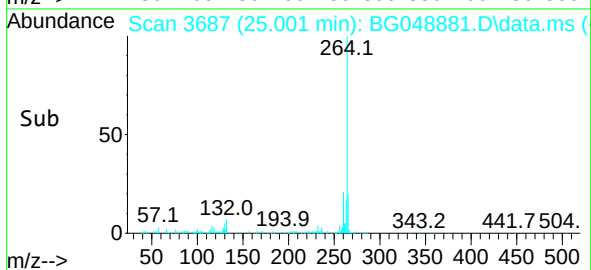
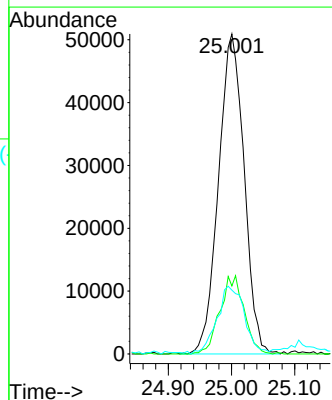
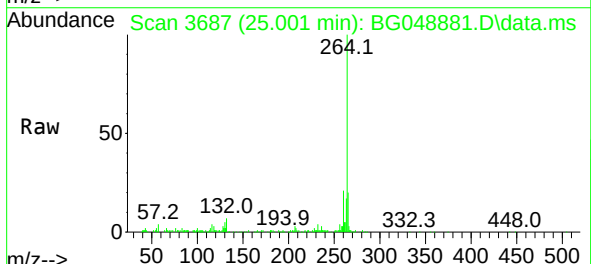
Instrument :
BNA_G
ClientSampled :
AN-1

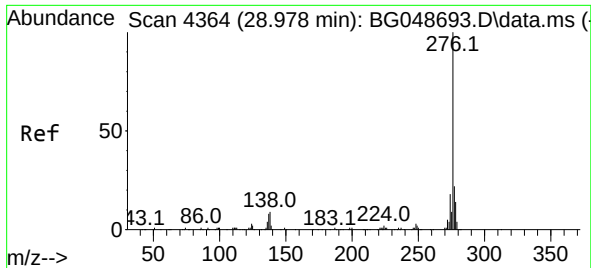
Tgt Ion:228 Resp: 110248
Ion Ratio Lower Upper
228 100
226 29.1 23.1 34.7
229 22.5 15.3 22.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.001 min Scan# 3687
Delta R.T. -0.009 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

Tgt Ion:264 Resp: 143443
Ion Ratio Lower Upper
264 100
260 21.3 19.4 29.2
265 20.0 16.9 25.3

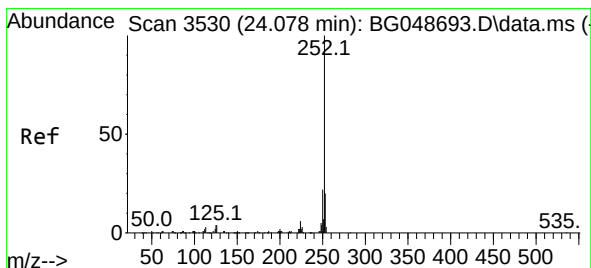
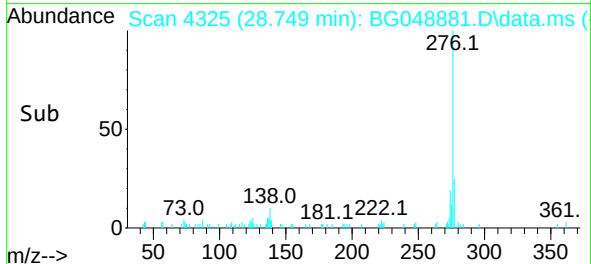
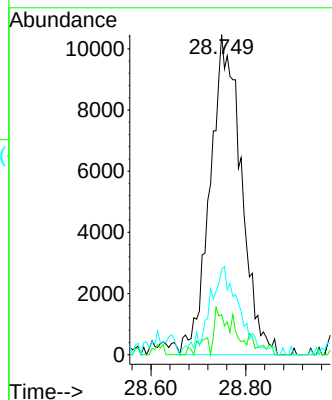
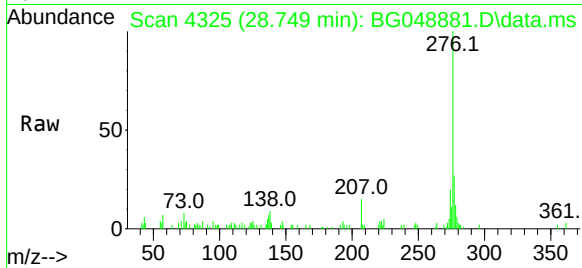




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.52 ng
 RT: 28.749 min Scan# 4325
 Delta R.T. -0.038 min
 Lab File: BG048881.D
 Acq: 26 Apr 2021 16:52

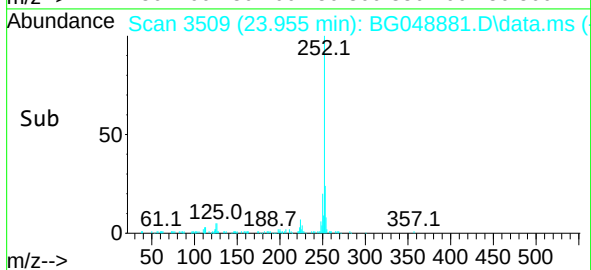
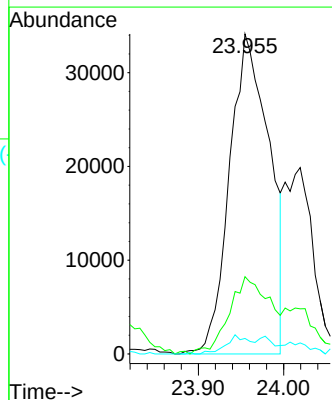
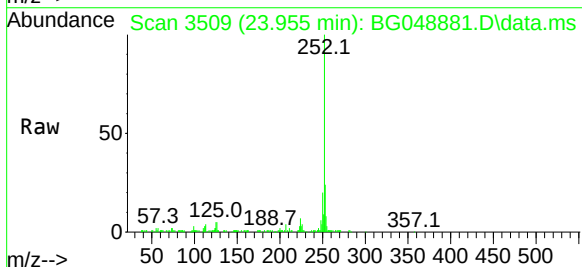
Instrument :
 BNA_G
 ClientSampled :
 AN-1

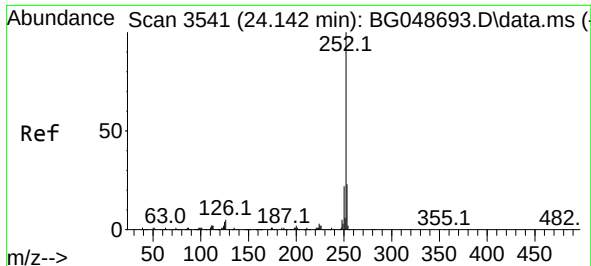
Tgt Ion:	276	Resp:	47567
Ion Ratio	Lower	Upper	
276	100		
138	5.5	5.1	7.7
277	26.3	19.8	29.6



#88
 Benzo(b)fluoranthene
 Concen: 11.34 ng
 RT: 23.955 min Scan# 3509
 Delta R.T. -0.003 min
 Lab File: BG048881.D
 Acq: 26 Apr 2021 16:52

Tgt Ion:	252	Resp:	110337
Ion Ratio	Lower	Upper	
252	100		
253	24.2	16.2	24.4
125	4.9	3.0	4.4#

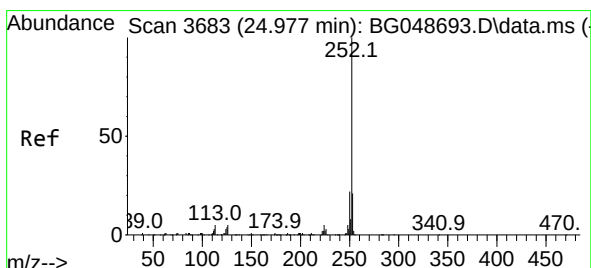
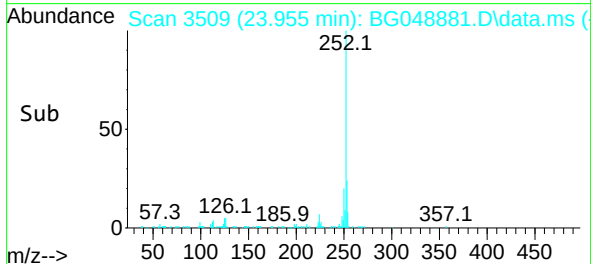
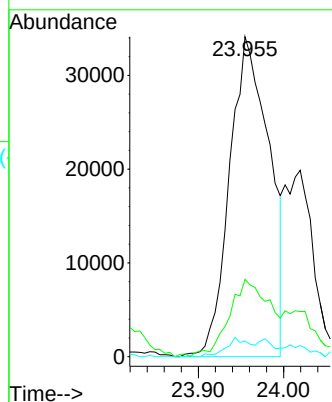
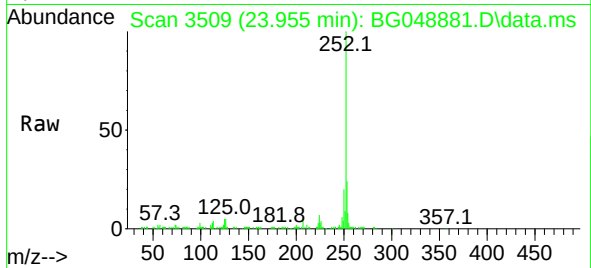




#89
Benzo(k)fluoranthene
Concen: 12.06 ng
RT: 23.955 min Scan# 3509
Delta R.T. -0.079 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

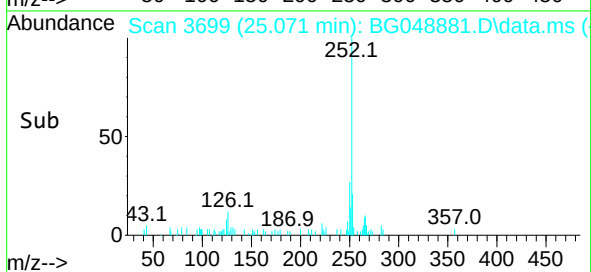
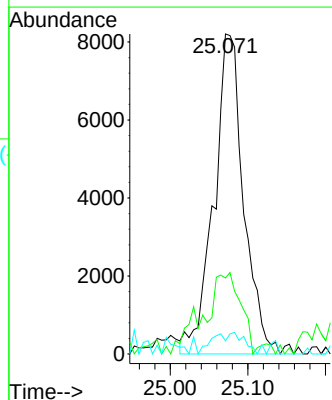
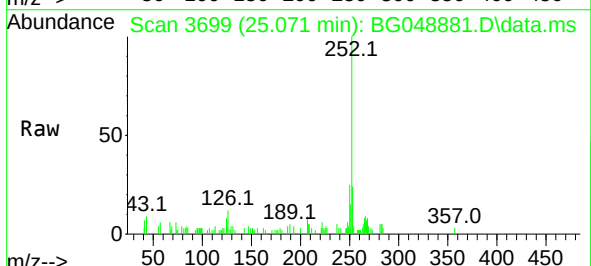
Instrument :
BNA_G
ClientSampled :
AN-1

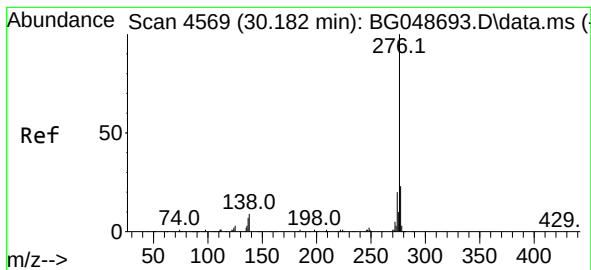
Tgt Ion:252 Resp: 110337
Ion Ratio Lower Upper
252 100
253 24.2 18.0 27.0
125 4.9 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 2.44 ng
RT: 25.071 min Scan# 3699
Delta R.T. 0.215 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

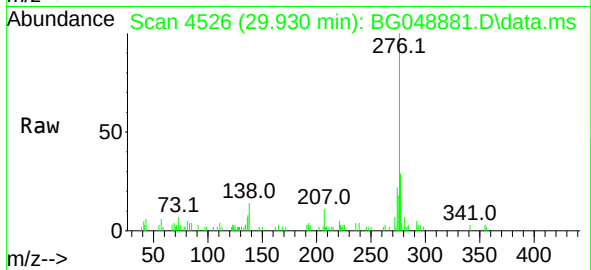
Tgt Ion:252 Resp: 21859
Ion Ratio Lower Upper
252 100
253 23.8 16.6 25.0
125 4.1 3.5 5.3





#92
Benzo(g,h,i)perylene
Concen: 4.96 ng
RT: 29.930 min Scan# 4526
Delta R.T. -0.050 min
Lab File: BG048881.D
Acq: 26 Apr 2021 16:52

Instrument :
BNA_G
ClientSampleId :
AN-1



Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.9	18.4	27.6#
138	14.4	7.0	10.6#

