

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082121\
 Data File : BG049921.D
 Acq On : 20 Aug 2021 22:52
 Operator : CG/JU
 Sample : M3419-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0002

Quant Time: Aug 21 05:21:08 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 21 05:13:22 2021
 Response via : Initial Calibration

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

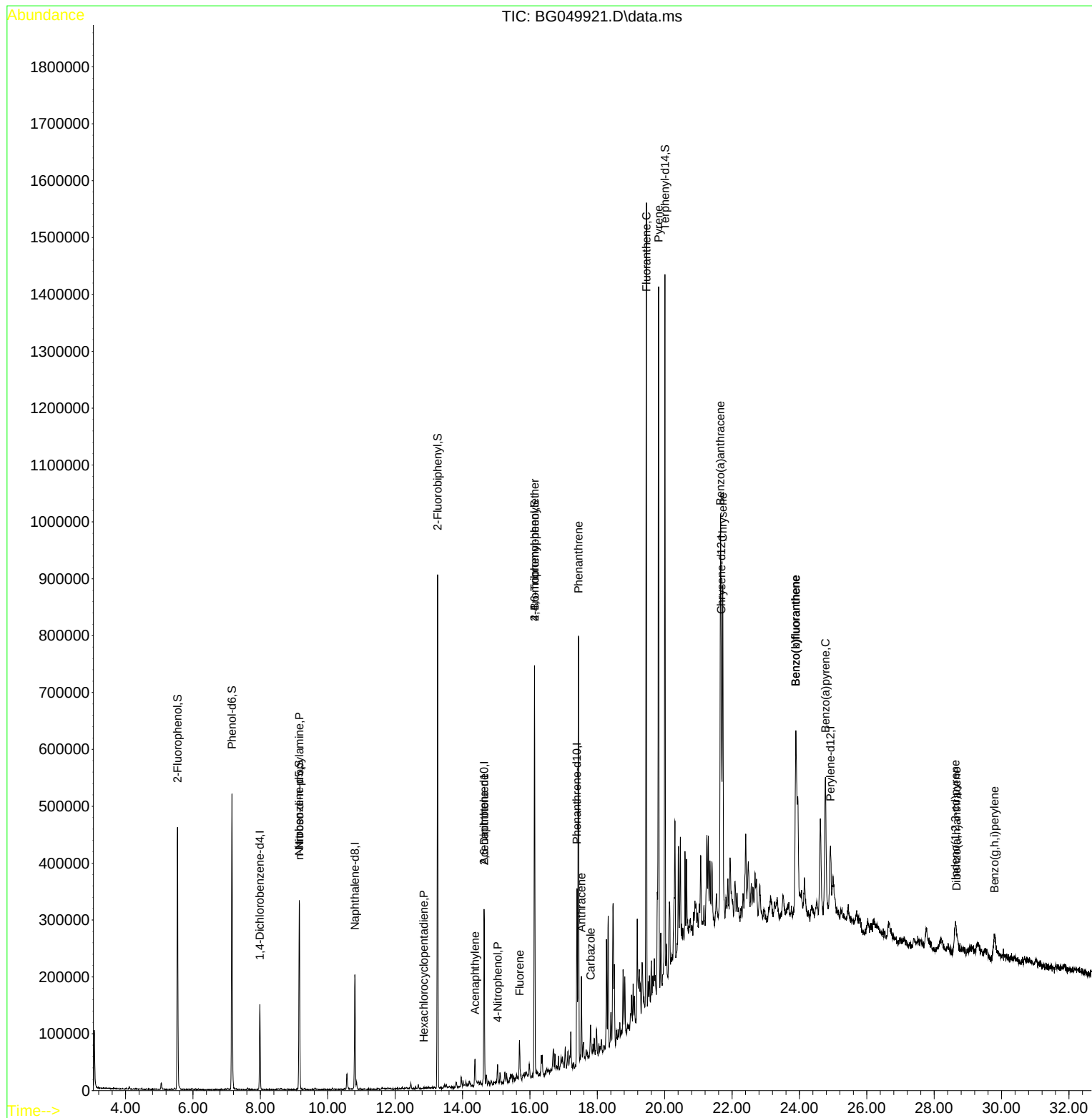
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	39498	20.000	ng	0.00
21) Naphthalene-d8	10.803	136	170757	20.000	ng	# 0.00
39) Acenaphthene-d10	14.639	164	107834	20.000	ng	0.00
64) Phenanthrene-d10	17.394	188	196653	20.000	ng	# 0.00
76) Chrysene-d12	21.677	240	175833	20.000	ng	0.02
86) Perylene-d12	24.920	264	146406	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	200334	90.921	ng	0.01
7) Phenol-d6	7.155	99	285990	85.745	ng	0.01
23) Nitrobenzene-d5	9.153	82	211134	54.715	ng	0.00
42) 2,4,6-Tribromophenol	16.137	330	136445	86.084	ng	0.00
45) 2-Fluorobiphenyl	13.259	172	454407	61.316	ng	0.00
79) Terphenyl-d14	20.009	244	540997	55.880	ng	0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.159	70	32139	14.399	ng	# 69
41) Hexachlorocyclopentadiene	12.854	237	56	3.571	ng	# 31
49) Acenaphthylene	14.369	152	47702	4.906	ng	# 92
51) 2,6-Dinitrotoluene	14.639	165	15352	8.570	ng	# 12
56) 4-Nitrophenol	15.045	139	5045	3.953	ng	# 1
58) Fluorene	15.691	166	30766	3.984	ng	# 91
67) 4-Bromophenyl-phenylether	16.137	248	8409	3.631	ng	# 1
71) Phenanthrene	17.441	178	460569	44.516	ng	97
72) Anthracene	17.530	178	96008	9.449	ng	99
73) Carbazole	17.800	167	31009	3.222	ng	95
75) Fluoranthene	19.456	202	844700	66.347	ng	99
78) Pyrene	19.821	202	821543	68.534	ng	97
81) Benzo(a)anthracene	21.653	228	430236	37.572	ng	96
83) Chrysene	21.724	228	447630	40.894	ng	96
87) Indeno(1,2,3-cd)pyrene	28.626	276	123942	11.739	ng	# 74
88) Benzo(b)fluoranthene	23.892	252	472640	49.223	ng	# 93
89) Benzo(k)fluoranthene	23.892	252	472640	52.770	ng	# 97
90) Benzo(a)pyrene	24.773	252	330029	37.979	ng	# 92
91) Dibenzo(a,h)anthracene	28.667	278	32116	3.610	ng	# 69
92) Benzo(g,h,i)perylene	29.789	276	111679	12.812	ng	# 92

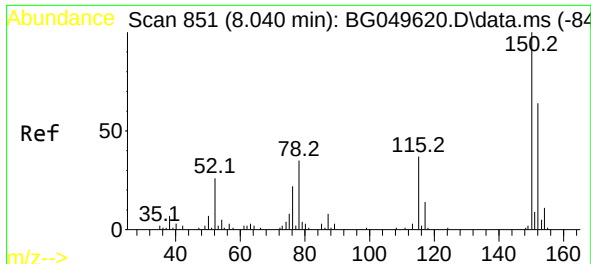
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

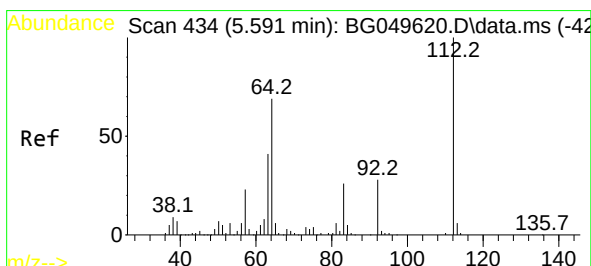
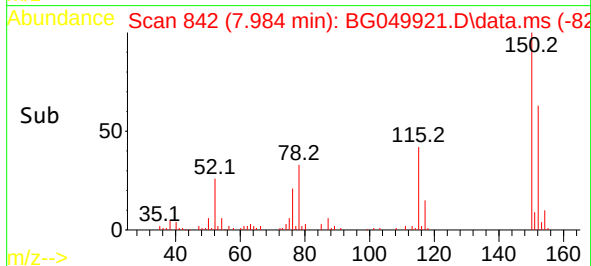
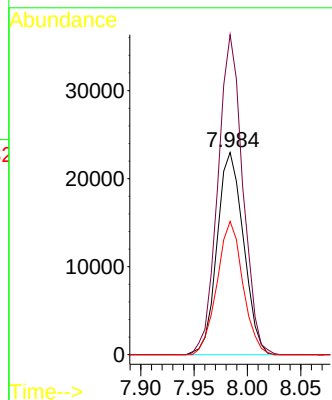
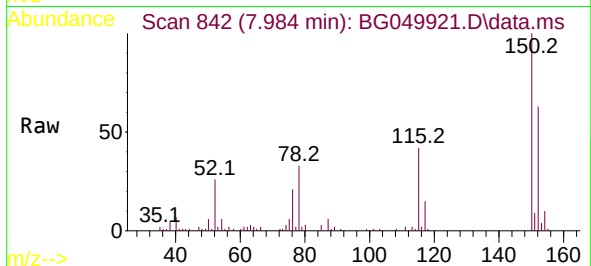




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.984 min Scan# 842
Delta R.T. 0.007 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

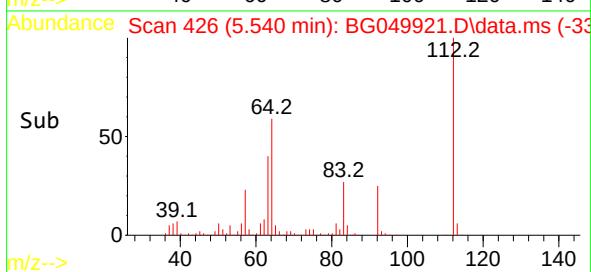
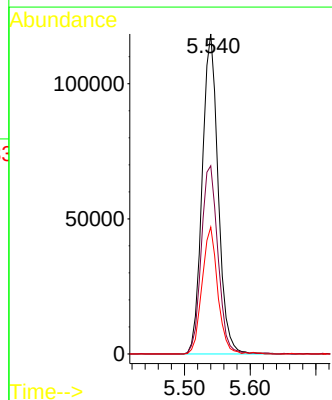
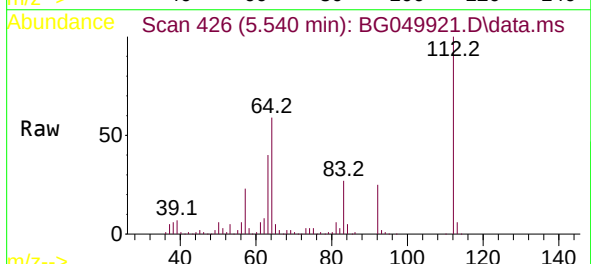
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0002

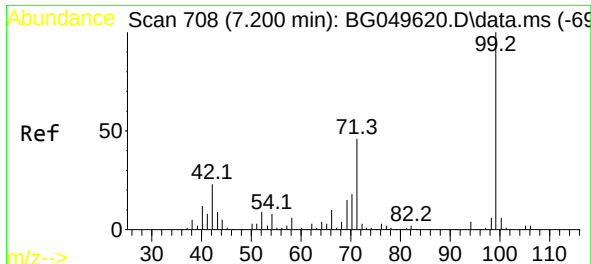
Tgt Ion:152 Resp: 39498
Ion Ratio Lower Upper
152 100
150 158.2 119.4 179.0
115 65.9 60.2 90.4



#5
2-Fluorophenol
Concen: 90.921 ng
RT: 5.540 min Scan# 426
Delta R.T. 0.012 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

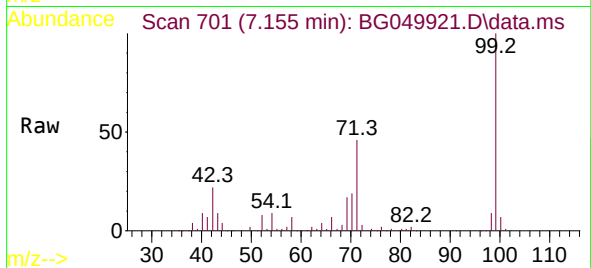
Tgt Ion:112 Resp: 200334
Ion Ratio Lower Upper
112 100
64 58.8 46.7 70.1
63 39.7 35.3 52.9



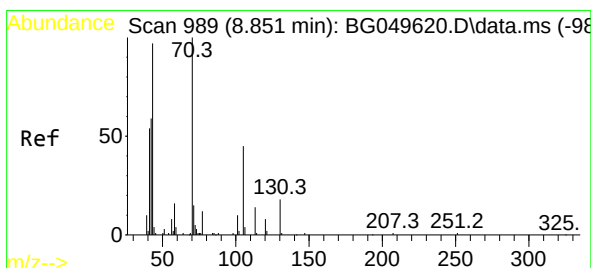
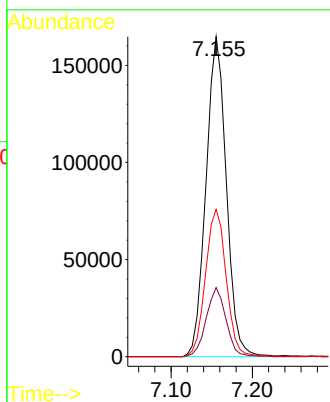
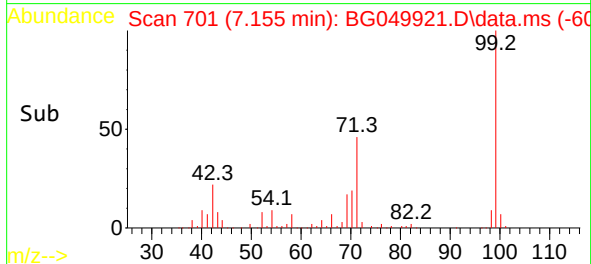


#7
Phenol-d6
Concen: 85.745 ng
RT: 7.155 min Scan# 701
Delta R.T. 0.012 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

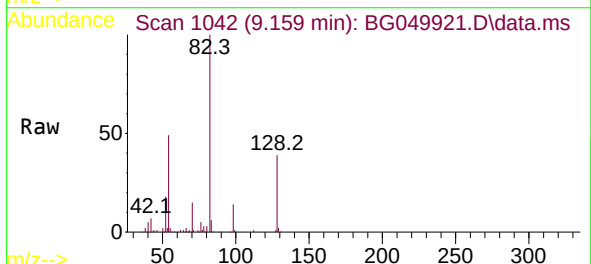
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0002



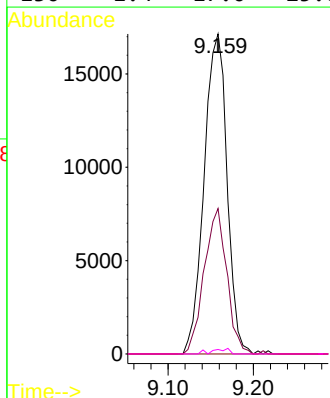
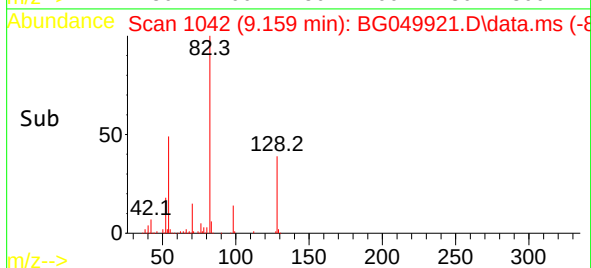
Tgt Ion: 99 Resp: 285990
Ion Ratio Lower Upper
99 100
42 21.6 20.5 30.7
71 46.1 41.5 62.3

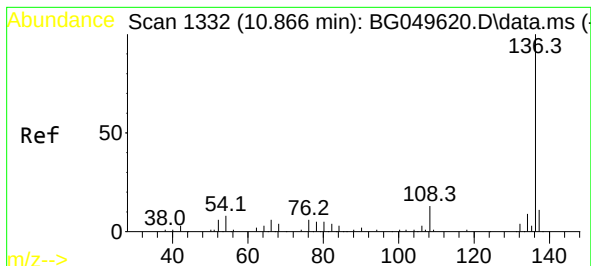


#19
n-Nitroso-di-n-propylamine
Concen: 14.399 ng
RT: 9.159 min Scan# 1042
Delta R.T. 0.371 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52



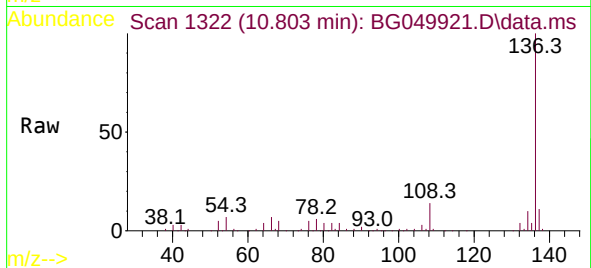
Tgt Ion: 70 Resp: 32139
Ion Ratio Lower Upper
70 100
42 45.4 54.5 81.7#
101 0.0 9.0 13.6#
130 1.4 17.0 25.6#



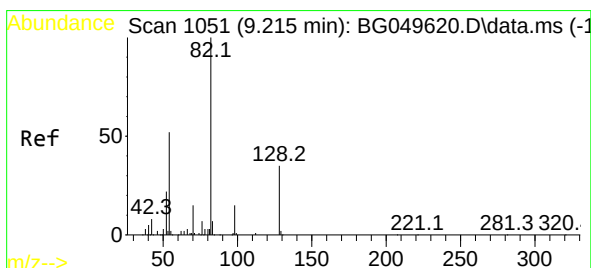
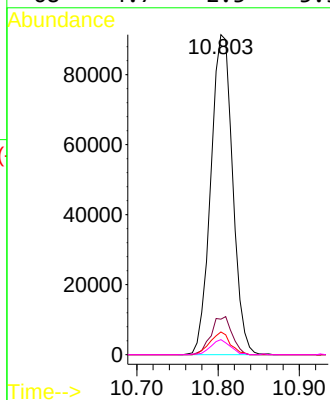
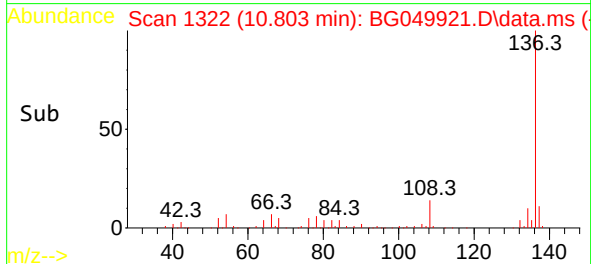


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.803 min Scan# 1322
Delta R.T. 0.007 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

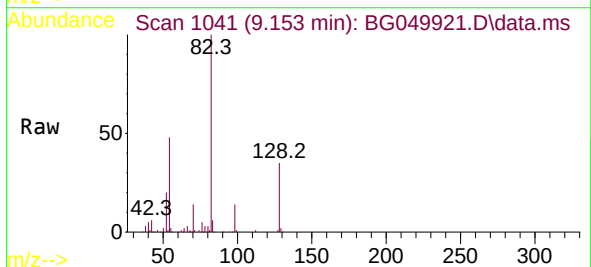
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0002



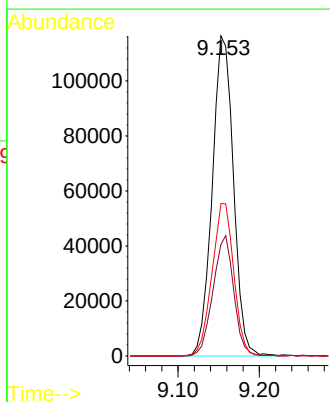
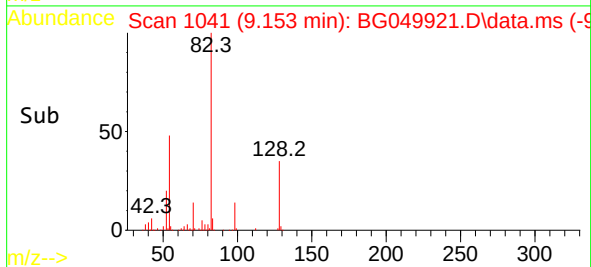
Tgt Ion:136 Resp: 170757
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.2
54 7.1 5.5 8.3
68 4.7 2.3 3.5#

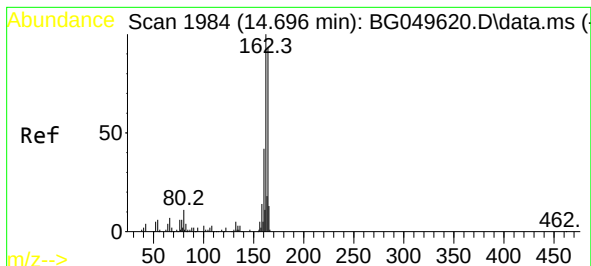


#23
Nitrobenzene-d5
Concen: 54.715 ng
RT: 9.153 min Scan# 1041
Delta R.T. 0.001 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52



Tgt Ion: 82 Resp: 211134
Ion Ratio Lower Upper
82 100
128 34.8 29.8 44.6
54 47.6 45.8 68.8

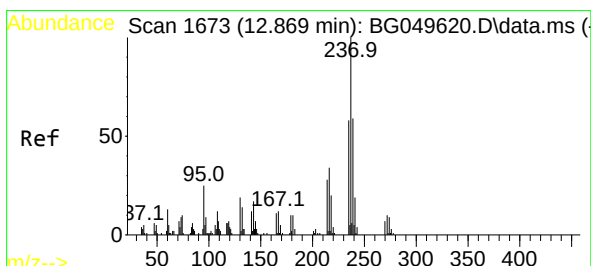
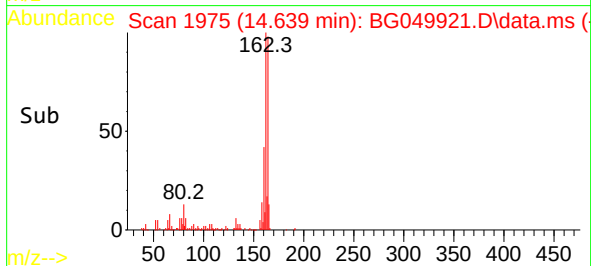
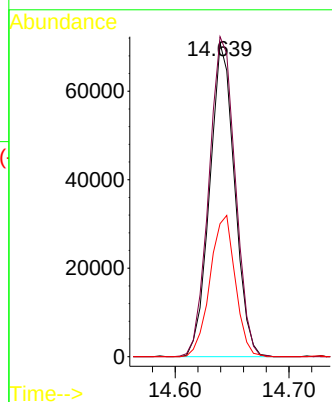
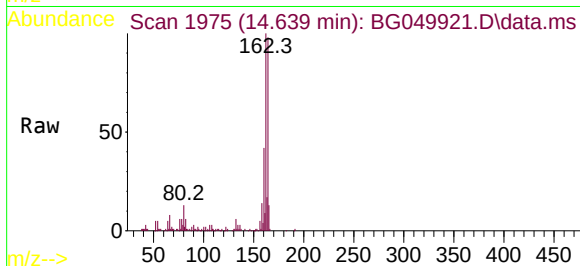




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.639 min Scan# 1975
Delta R.T. 0.001 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

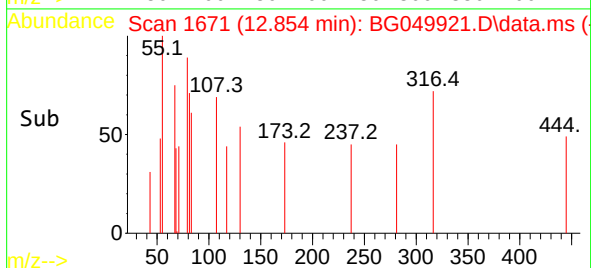
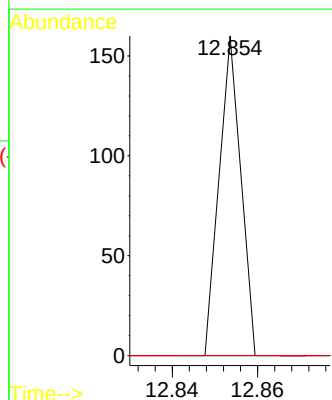
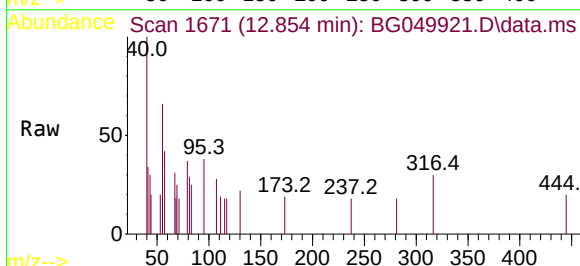
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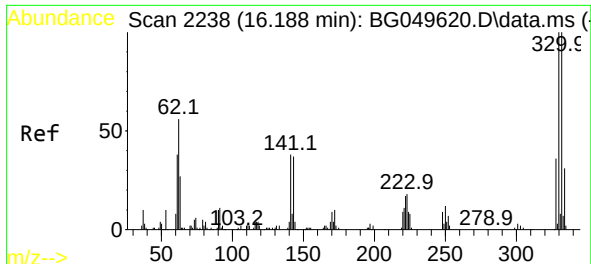
Tgt Ion:164 Resp: 107834
Ion Ratio Lower Upper
164 100
162 102.1 81.4 122.0
160 42.4 34.9 52.3



#41
Hexachlorocyclopentadiene
Concen: 3.571 ng
RT: 12.854 min Scan# 1671
Delta R.T. 0.054 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

Tgt Ion:237 Resp: 56
Ion Ratio Lower Upper
237 100
235 0.0 36.6 76.6#
272 0.0 0.0 32.5

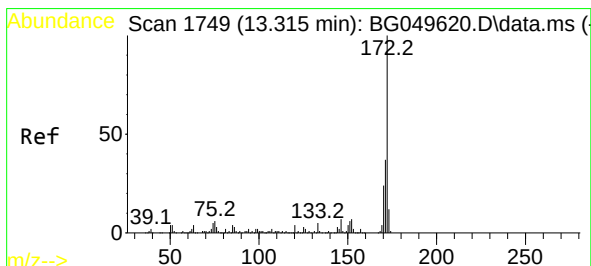
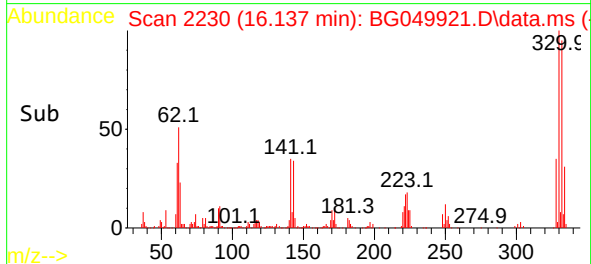
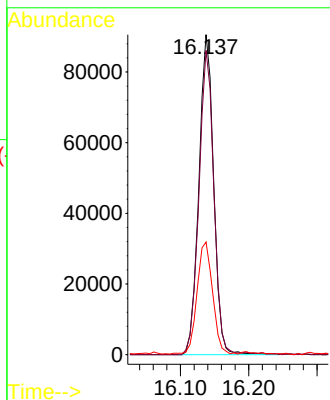
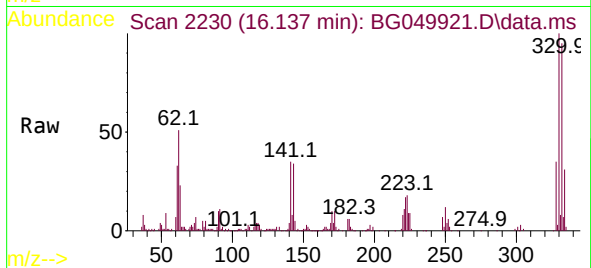




#42
2,4,6-Tribromophenol
Concen: 86.084 ng
RT: 16.137 min Scan# 2230
Delta R.T. 0.007 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

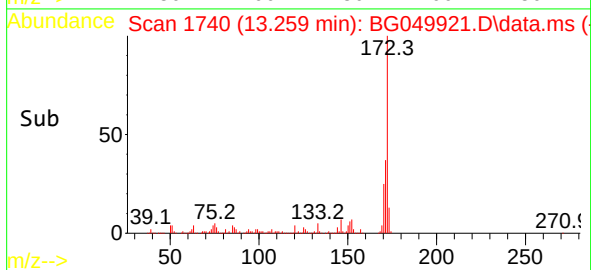
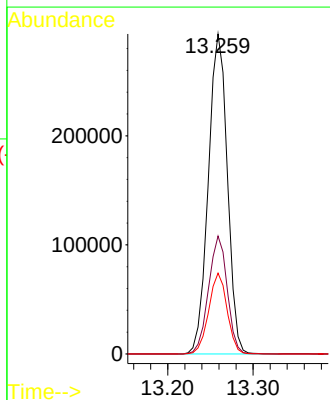
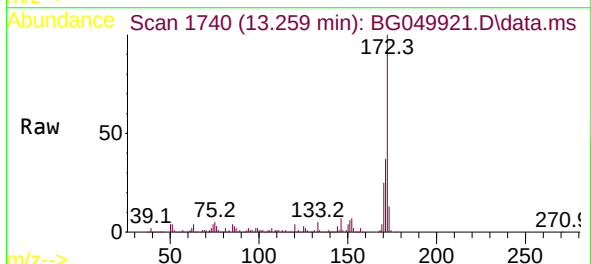
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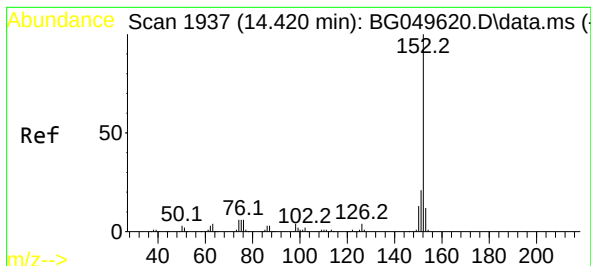
Tgt Ion:330 Resp: 136445
Ion Ratio Lower Upper
330 100
332 95.3 77.3 115.9
141 36.7 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 61.316 ng
RT: 13.259 min Scan# 1740
Delta R.T. 0.007 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

Tgt Ion:172 Resp: 454407
Ion Ratio Lower Upper
172 100
171 36.8 28.6 43.0
170 25.3 18.6 27.8

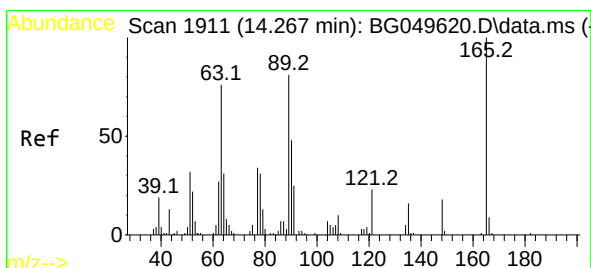
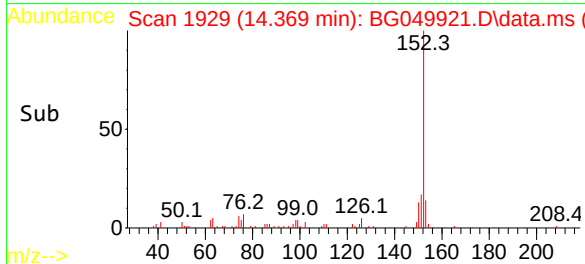
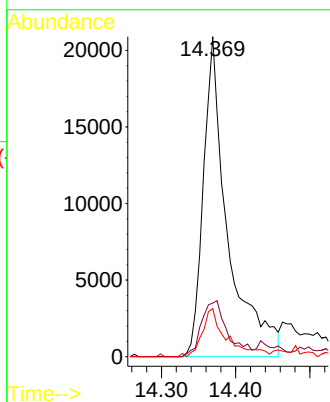
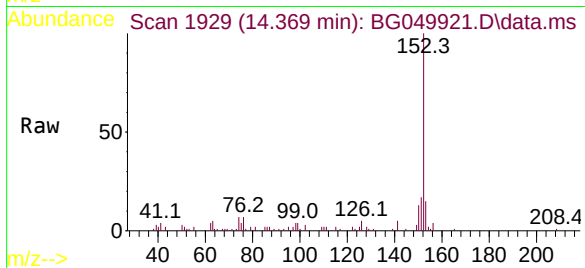




#49
Acenaphthylene
Concen: 4.906 ng
RT: 14.369 min Scan# 1929
Delta R.T. 0.012 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

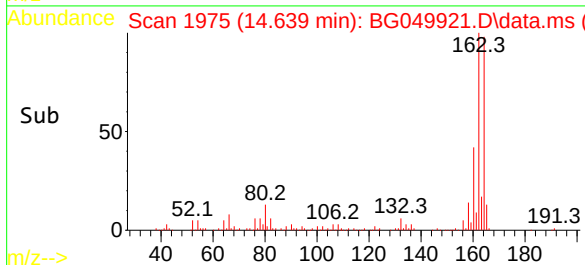
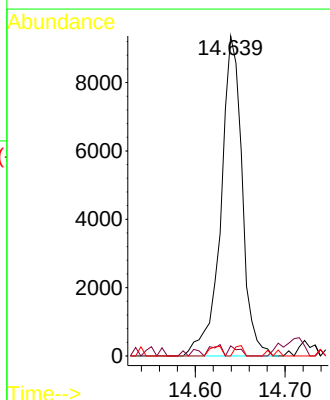
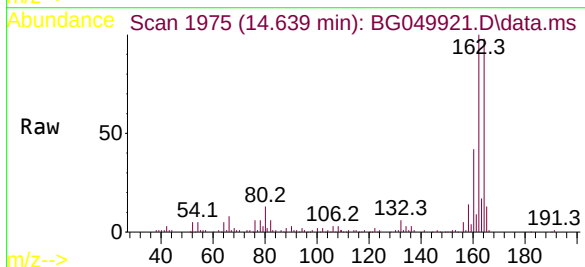
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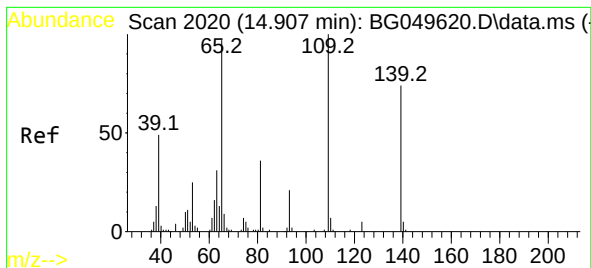
Tgt Ion:152 Resp: 47702
Ion Ratio Lower Upper
152 100
151 16.8 18.2 27.4#
153 15.0 11.7 17.5



#51
2,6-Dinitrotoluene
Concen: 8.570 ng
RT: 14.639 min Scan# 1975
Delta R.T. 0.429 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

Tgt Ion:165 Resp: 15352
Ion Ratio Lower Upper
165 100
63 3.1 63.3 94.9#
89 0.0 63.4 95.0#

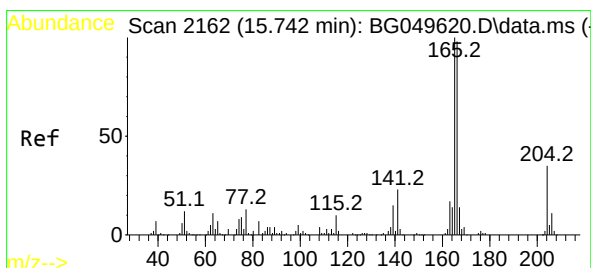
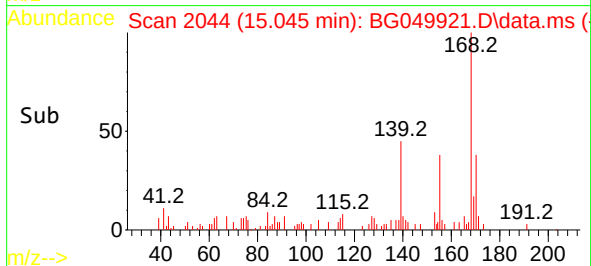
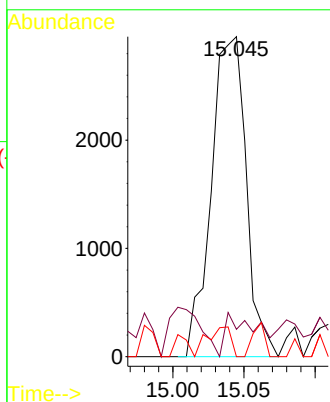
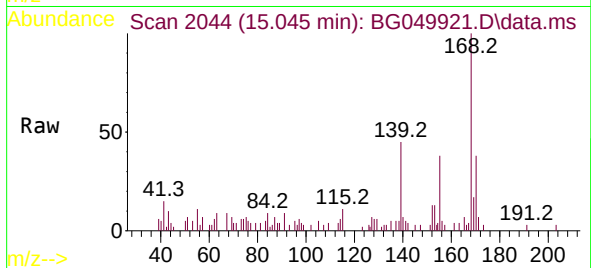




#56
4-Nitrophenol
Concen: 3.953 ng
RT: 15.045 min Scan# 2044
Delta R.T. 0.177 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

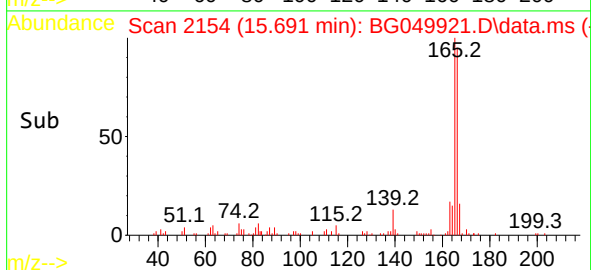
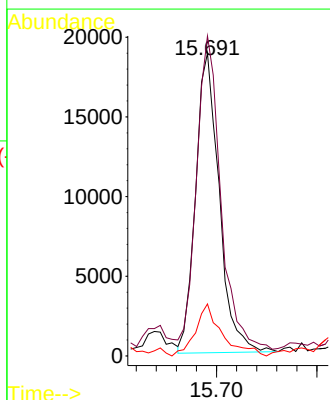
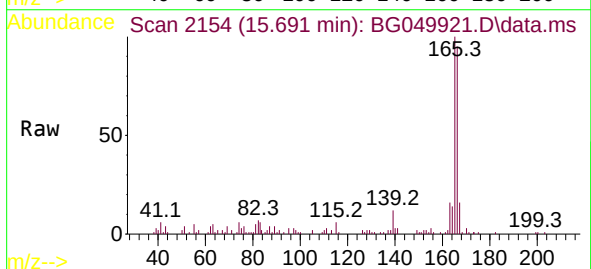
Instrument :
BNA_G
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SWCS-03-0002

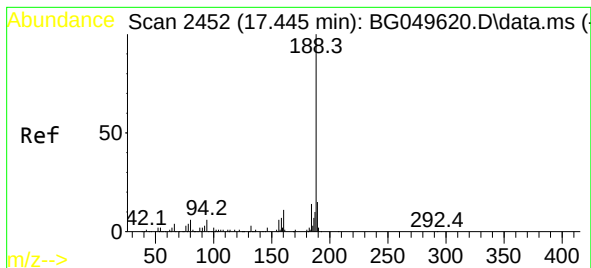
Tgt Ion:139 Resp: 5045
Ion Ratio Lower Upper
139 100
109 8.6 116.3 156.3#
65 0.0 105.0 145.0#



#58
Fluorene
Concen: 3.984 ng
RT: 15.691 min Scan# 2154
Delta R.T. 0.007 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

Tgt Ion:166 Resp: 30766
Ion Ratio Lower Upper
166 100
165 105.6 77.7 116.5
167 17.2 10.8 16.2#

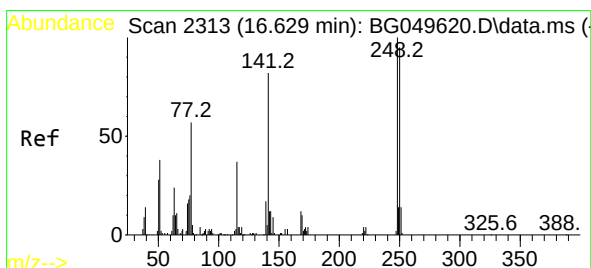
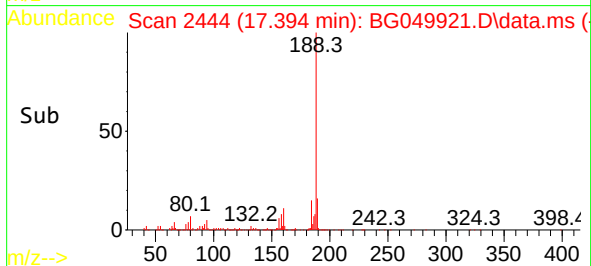
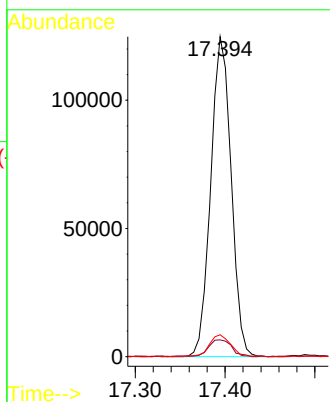
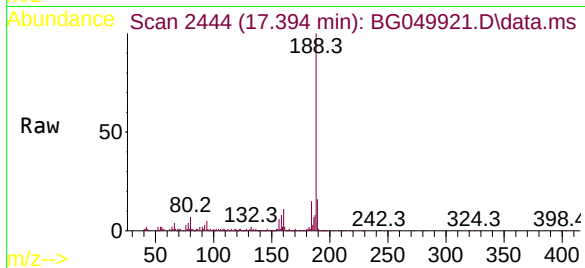




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.394 min Scan# 2444
Delta R.T. 0.007 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

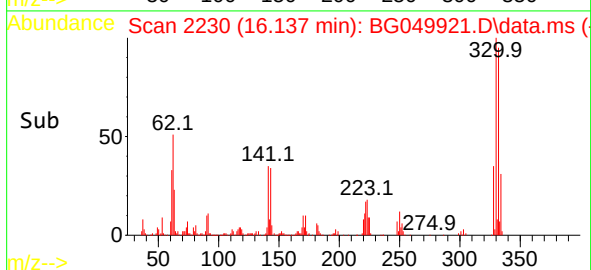
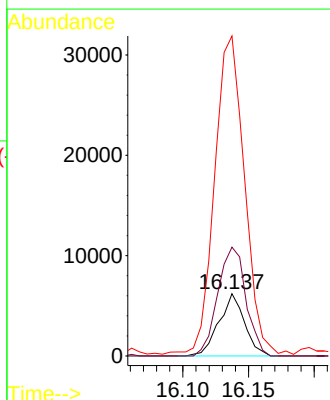
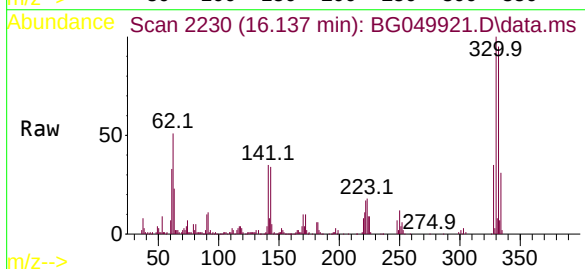
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0002

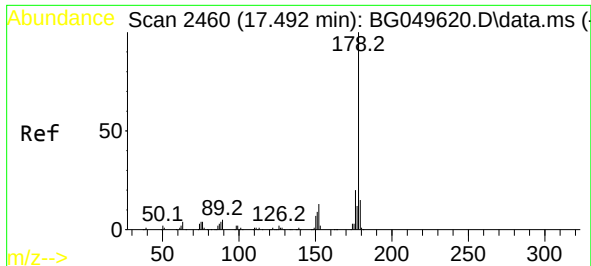
Tgt Ion:188 Resp: 196653
Ion Ratio Lower Upper
188 100
94 5.2 5.4 8.0#
80 6.8 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 3.631 ng
RT: 16.137 min Scan# 2230
Delta R.T. -0.434 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

Tgt Ion:248 Resp: 8409
Ion Ratio Lower Upper
248 100
250 175.1 76.1 114.1#
141 514.7 65.4 98.2#

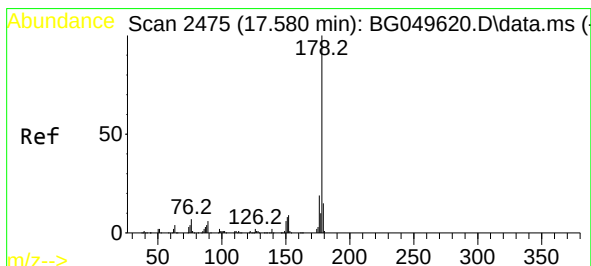
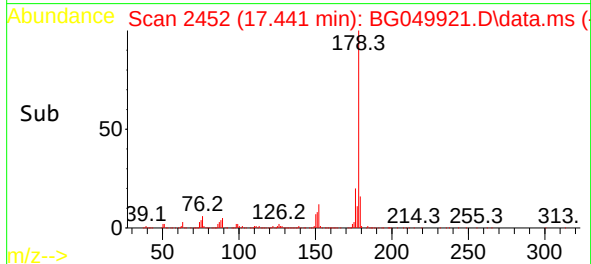
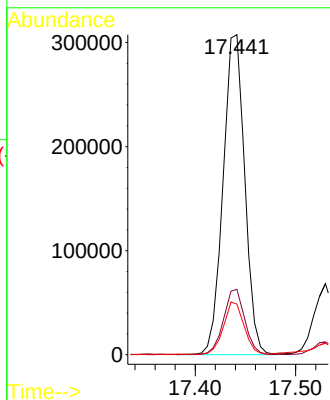
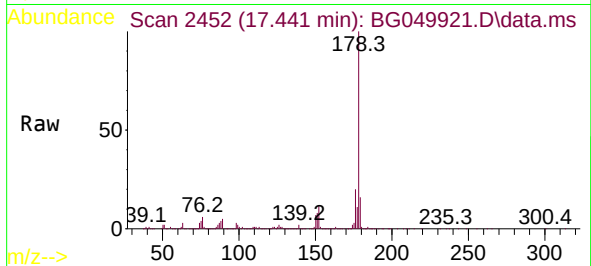




#71
Phenanthrene
Concen: 44.516 ng
RT: 17.441 min Scan# 2452
Delta R.T. 0.012 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

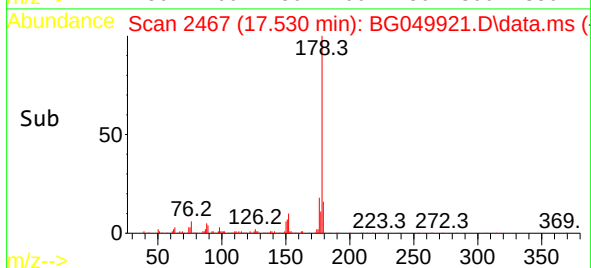
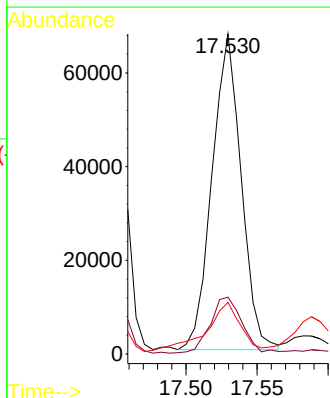
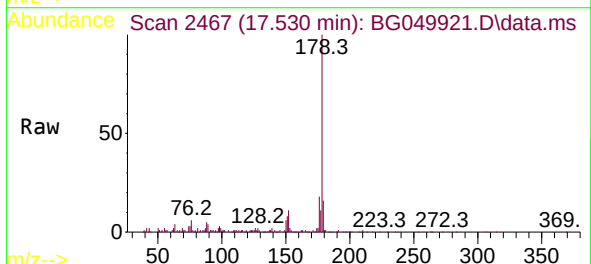
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0002

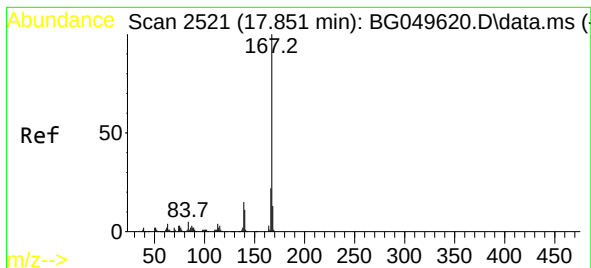
Tgt Ion:178 Resp: 460569
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 15.8 14.2 21.4



#72
Anthracene
Concen: 9.449 ng
RT: 17.530 min Scan# 2467
Delta R.T. 0.007 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

Tgt Ion:178 Resp: 96008
Ion Ratio Lower Upper
178 100
176 17.7 14.6 21.8
179 16.1 13.4 20.0

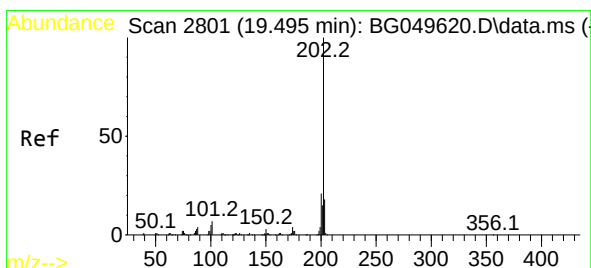
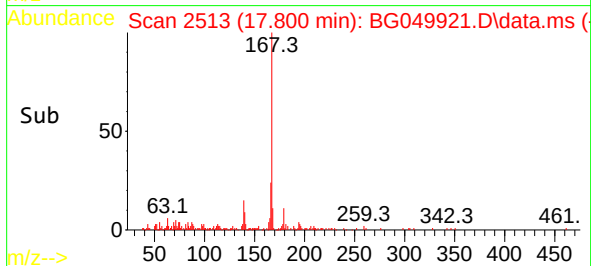
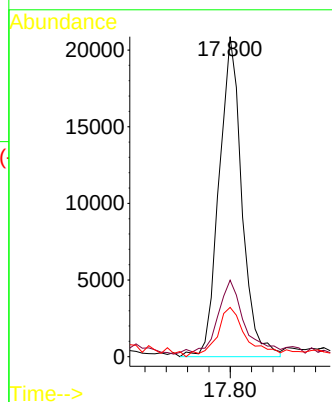
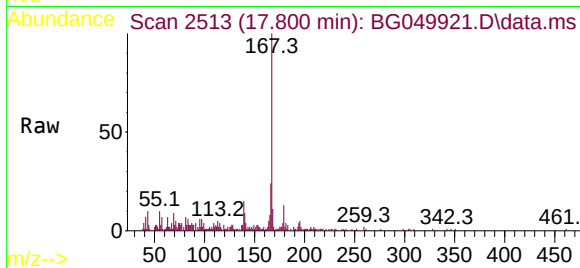




#73
 Carbazole
 Concen: 3.222 ng
 RT: 17.800 min Scan# 2513
 Delta R.T. 0.007 min
 Lab File: BG049921.D
 Acq: 20 Aug 2021 22:52

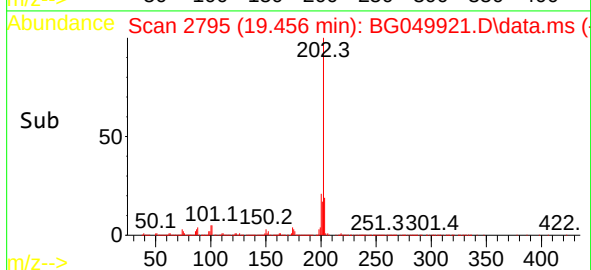
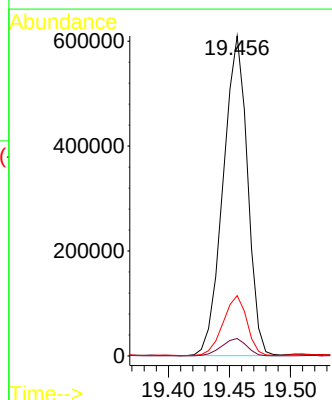
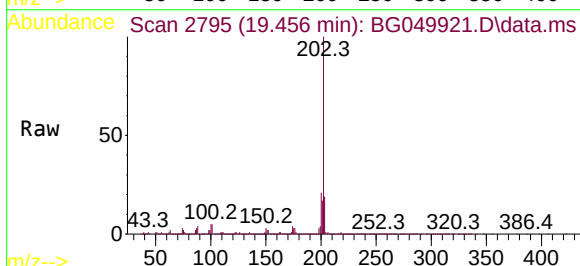
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0002

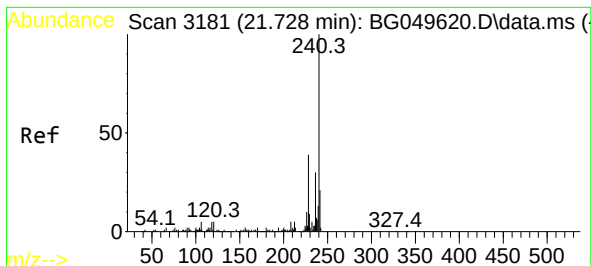
Tgt Ion:167 Resp: 31009
 Ion Ratio Lower Upper
 167 100
 166 23.9 17.4 26.2
 139 15.4 10.7 16.1



#75
 Fluoranthene
 Concen: 66.347 ng
 RT: 19.456 min Scan# 2795
 Delta R.T. 0.012 min
 Lab File: BG049921.D
 Acq: 20 Aug 2021 22:52

Tgt Ion:202 Resp: 844700
 Ion Ratio Lower Upper
 202 100
 101 5.4 0.0 24.7
 203 18.9 0.0 38.5

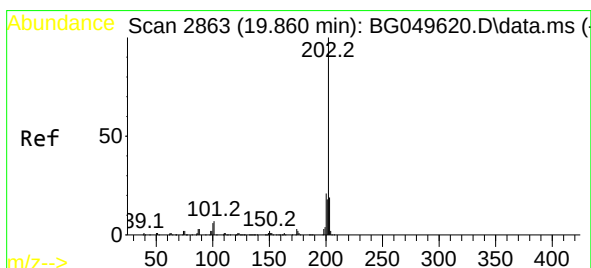
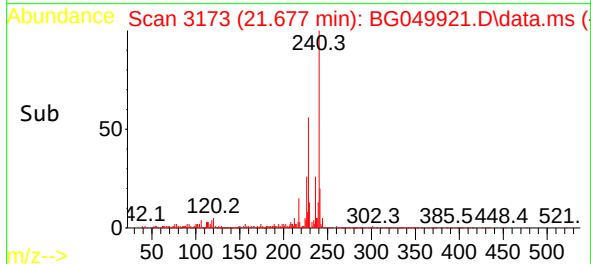
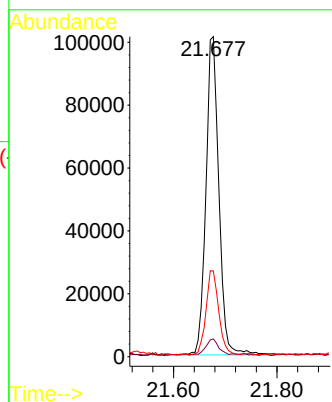
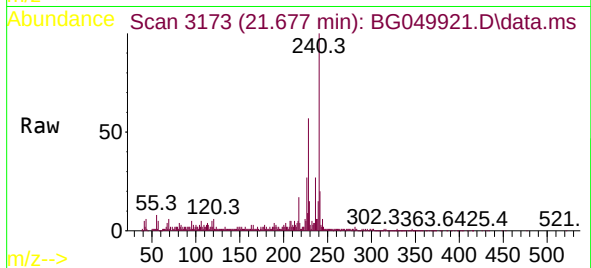




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.677 min Scan# 3173
Delta R.T. 0.018 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

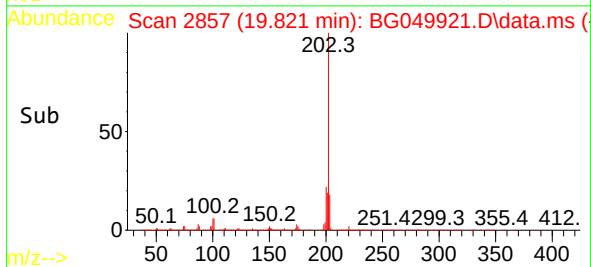
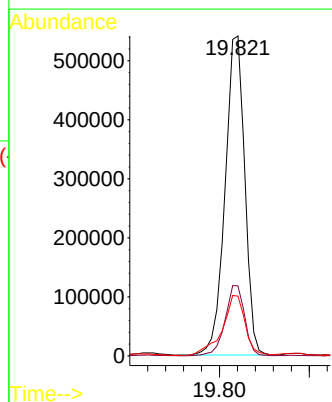
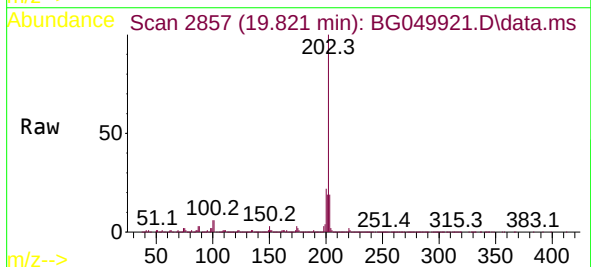
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0002

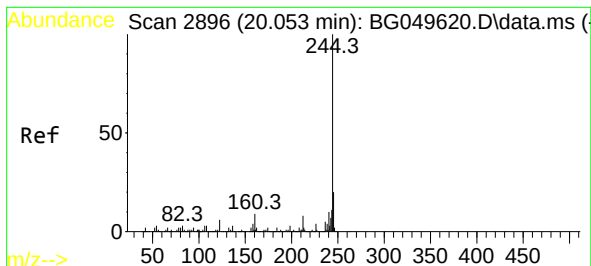
Tgt Ion:240 Resp: 175833
Ion Ratio Lower Upper
240 100
120 5.5 4.2 6.2
236 26.8 21.8 32.6



#78
Pyrene
Concen: 68.534 ng
RT: 19.821 min Scan# 2857
Delta R.T. 0.018 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

Tgt Ion:202 Resp: 821543
Ion Ratio Lower Upper
202 100
200 21.9 15.8 23.8
203 18.7 14.6 21.8





#79

Terphenyl-d14

Concen: 55.880 ng

RT: 20.009 min Scan# 2889

Delta R.T. 0.012 min

Lab File: BG049921.D

Acq: 20 Aug 2021 22:52

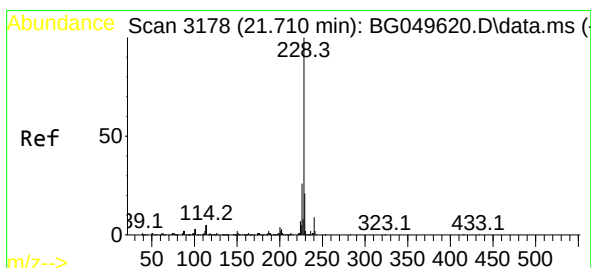
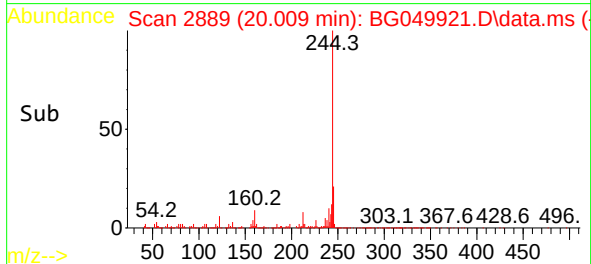
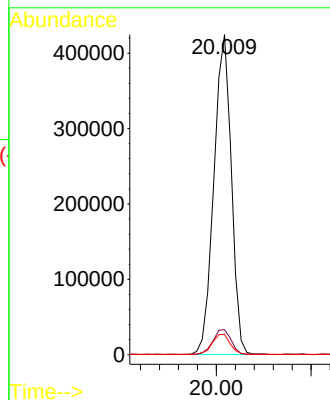
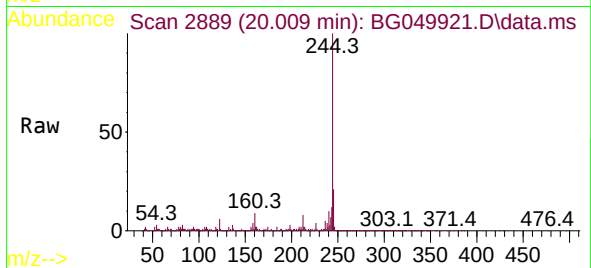
Tgt Ion:244 Resp: 540997

Ion Ratio Lower Upper

244 100

212 7.8 6.9 10.3

122 6.3 5.0 7.6



#81

Benzo(a)anthracene

Concen: 37.572 ng

RT: 21.653 min Scan# 3169

Delta R.T. 0.012 min

Lab File: BG049921.D

Acq: 20 Aug 2021 22:52

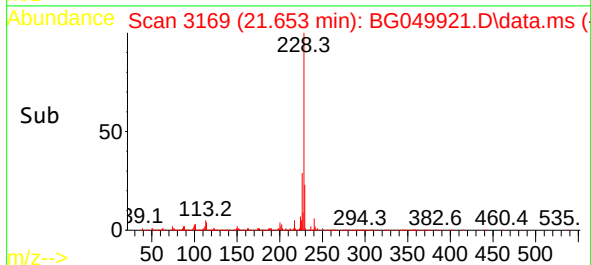
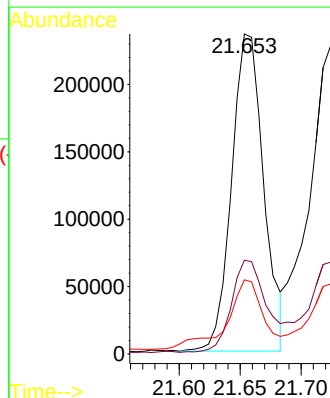
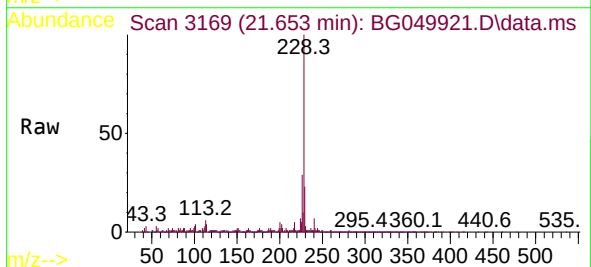
Tgt Ion:228 Resp: 430236

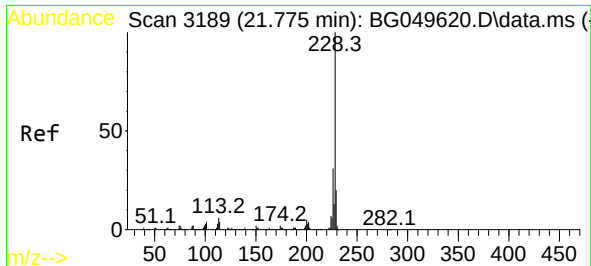
Ion Ratio Lower Upper

228 100

226 29.3 22.7 34.1

229 23.2 16.0 24.0

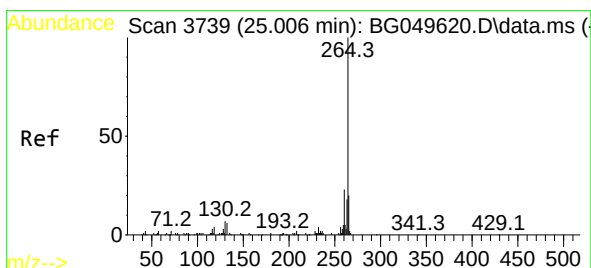
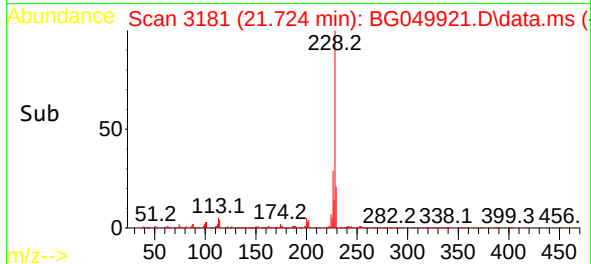
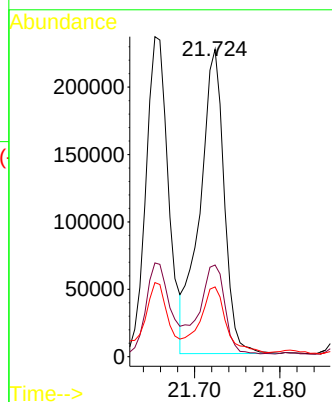
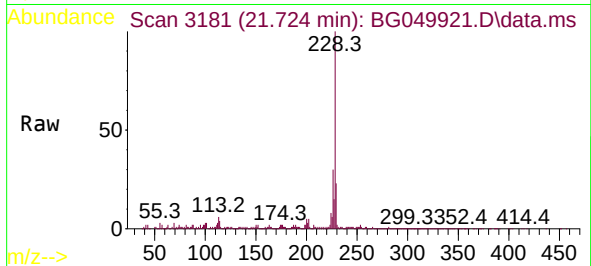




#83
Chrysene
Concen: 40.894 ng
RT: 21.724 min Scan# 3181
Delta R.T. 0.018 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

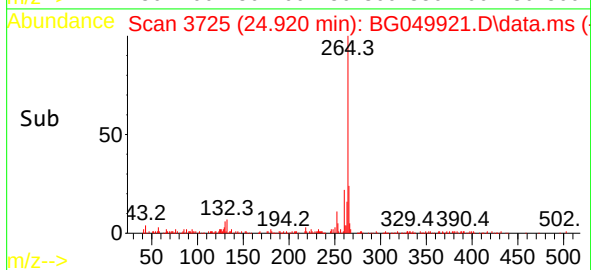
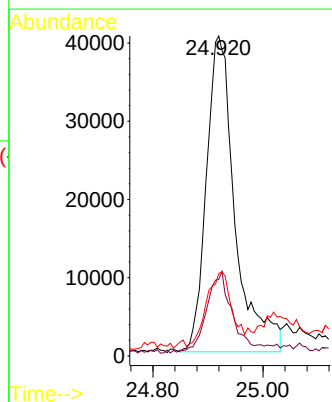
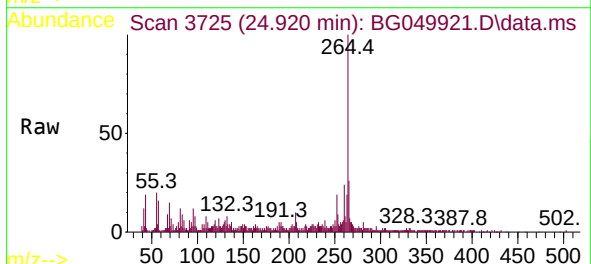
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0002

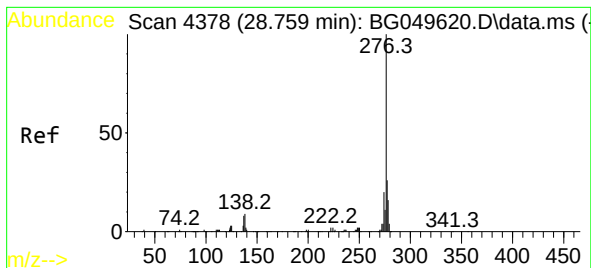
Tgt Ion:228 Resp: 447630
Ion Ratio Lower Upper
228 100
226 29.8 23.1 34.7
229 22.7 15.3 22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.920 min Scan# 3725
Delta R.T. 0.036 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

Tgt Ion:264 Resp: 146406
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 25.7 16.9 25.3#

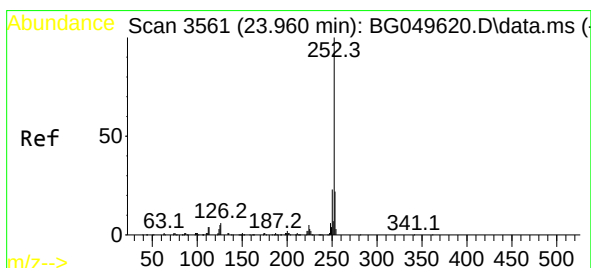
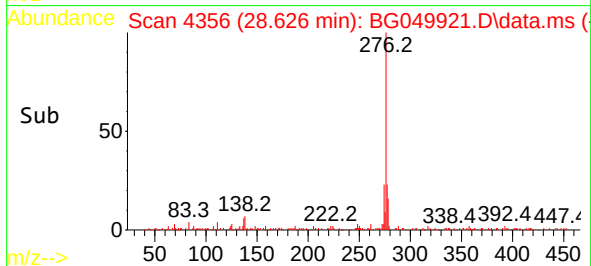
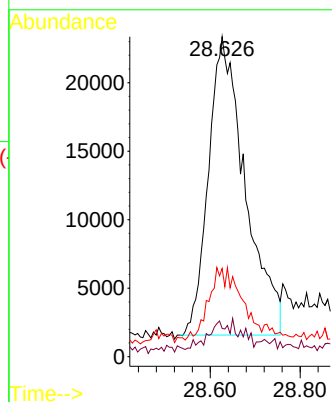
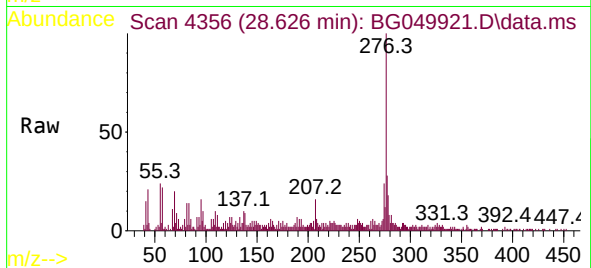




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.739 ng
 RT: 28.626 min Scan# 4356
 Delta R.T. 0.048 min
 Lab File: BG049921.D
 Acq: 20 Aug 2021 22:52

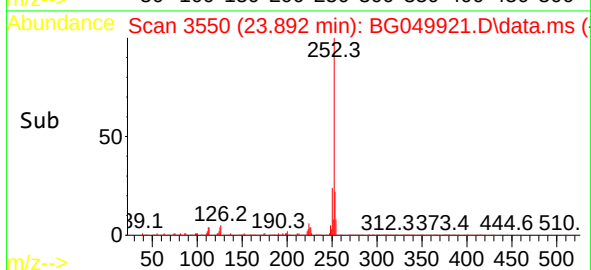
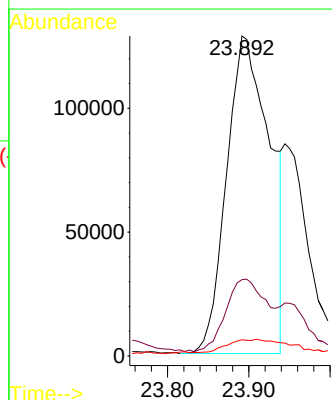
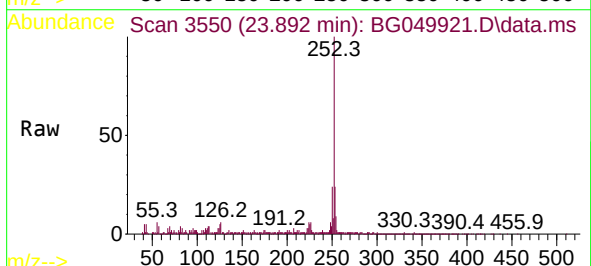
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0002

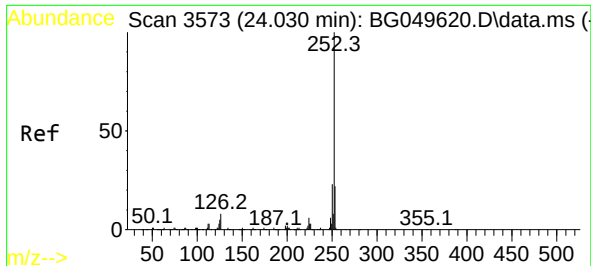
Tgt Ion:276 Resp: 123942
 Ion Ratio Lower Upper
 276 100
 138 4.2 5.1 7.7#
 277 9.3 19.8 29.6#



#88
 Benzo(b)fluoranthene
 Concen: 49.223 ng
 RT: 23.892 min Scan# 3550
 Delta R.T. 0.030 min
 Lab File: BG049921.D
 Acq: 20 Aug 2021 22:52

Tgt Ion:252 Resp: 472640
 Ion Ratio Lower Upper
 252 100
 253 23.8 16.2 24.4
 125 5.0 3.0 4.4#





#89

Benzo(k)fluoranthene

Concen: 52.770 ng

RT: 23.892 min Scan# 3550

Delta R.T. -0.035 min

Lab File: BG049921.D

Acq: 20 Aug 2021 22:52

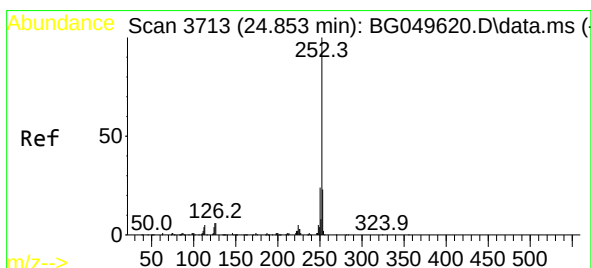
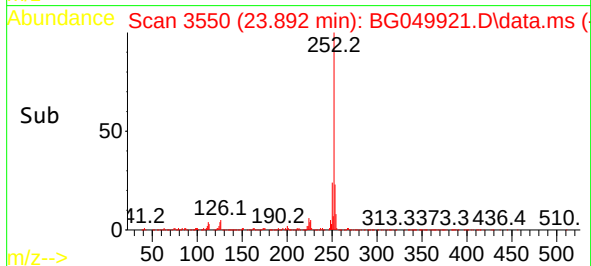
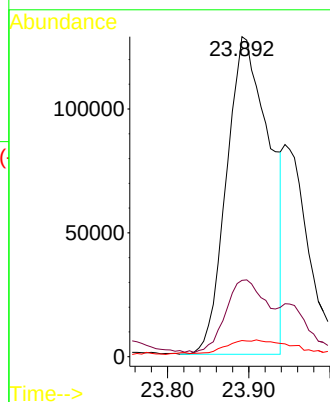
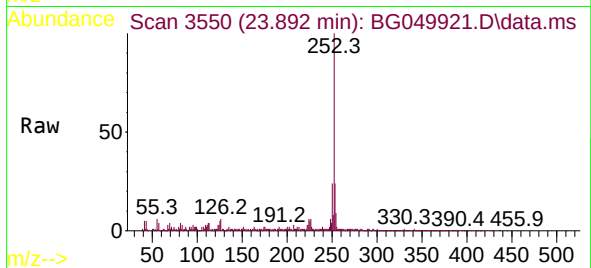
Instrument :

BNA_G

ClientSampleId :

SWCS-03-0002

Tgt Ion:252 Resp: 472640
 Ion Ratio Lower Upper
 252 100
 253 23.8 18.0 27.0
 125 5.0 3.1 4.7#



#90

Benzo(a)pyrene

Concen: 37.979 ng

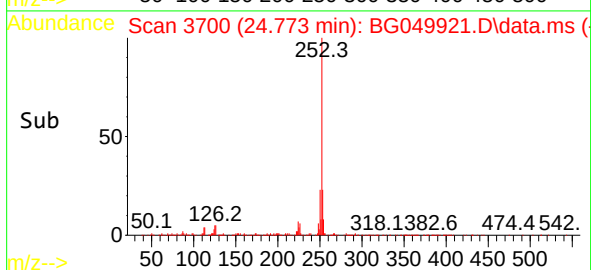
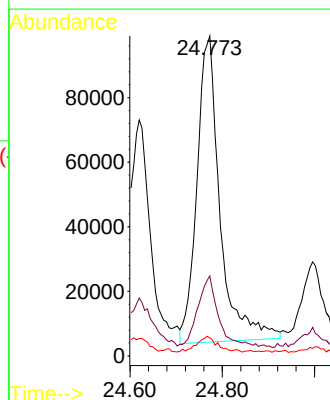
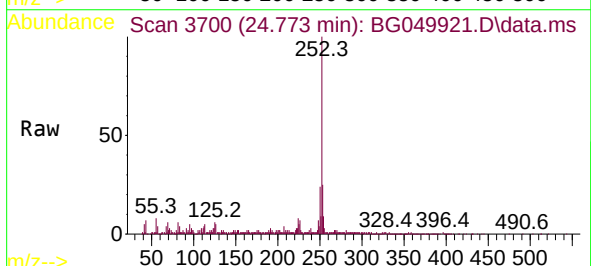
RT: 24.773 min Scan# 3700

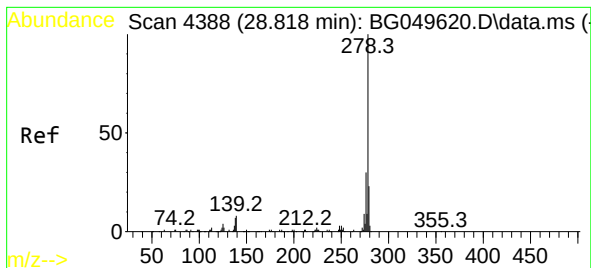
Delta R.T. 0.036 min

Lab File: BG049921.D

Acq: 20 Aug 2021 22:52

Tgt Ion:252 Resp: 330029
 Ion Ratio Lower Upper
 252 100
 253 25.0 16.6 25.0#
 125 5.7 3.5 5.3#

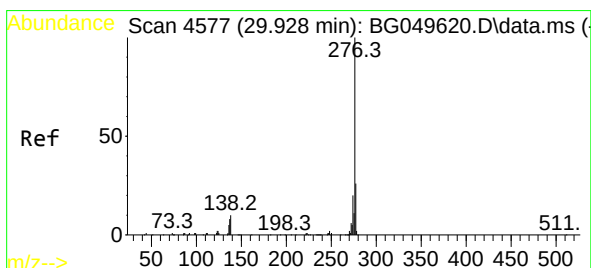
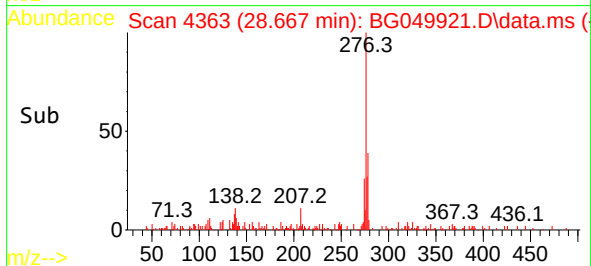
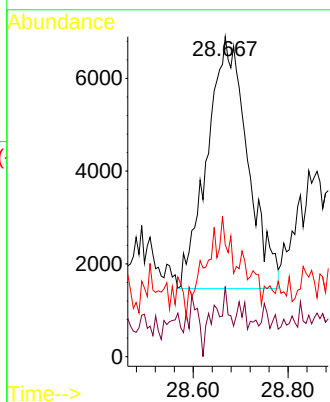
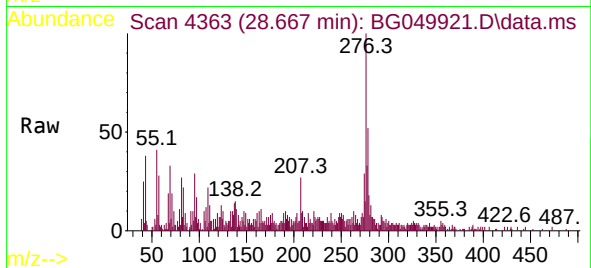




#91
Dibenzo(a,h)anthracene
Concen: 3.610 ng
RT: 28.667 min Scan# 4363
Delta R.T. 0.030 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

Instrument :
BNA_G
ClientSampleId :
SWCS-03-0002

Tgt Ion:278 Resp: 32116
Ion Ratio Lower Upper
278 100
139 21.9 4.6 6.8#
279 35.0 17.9 26.9#



#92
Benzo(g,h,i)perylene
Concen: 12.812 ng
RT: 29.789 min Scan# 4554
Delta R.T. 0.054 min
Lab File: BG049921.D
Acq: 20 Aug 2021 22:52

Tgt Ion:276 Resp: 111679
Ion Ratio Lower Upper
276 100
277 28.1 18.4 27.6#
138 8.9 7.0 10.6

