

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082421\
 Data File : BG049957.D
 Acq On : 24 Aug 2021 18:08
 Operator : CG/JU
 Sample : M3419-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0205

Quant Time: Aug 25 02:07:44 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 23 16:13:24 2021
 Response via : Initial Calibration

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

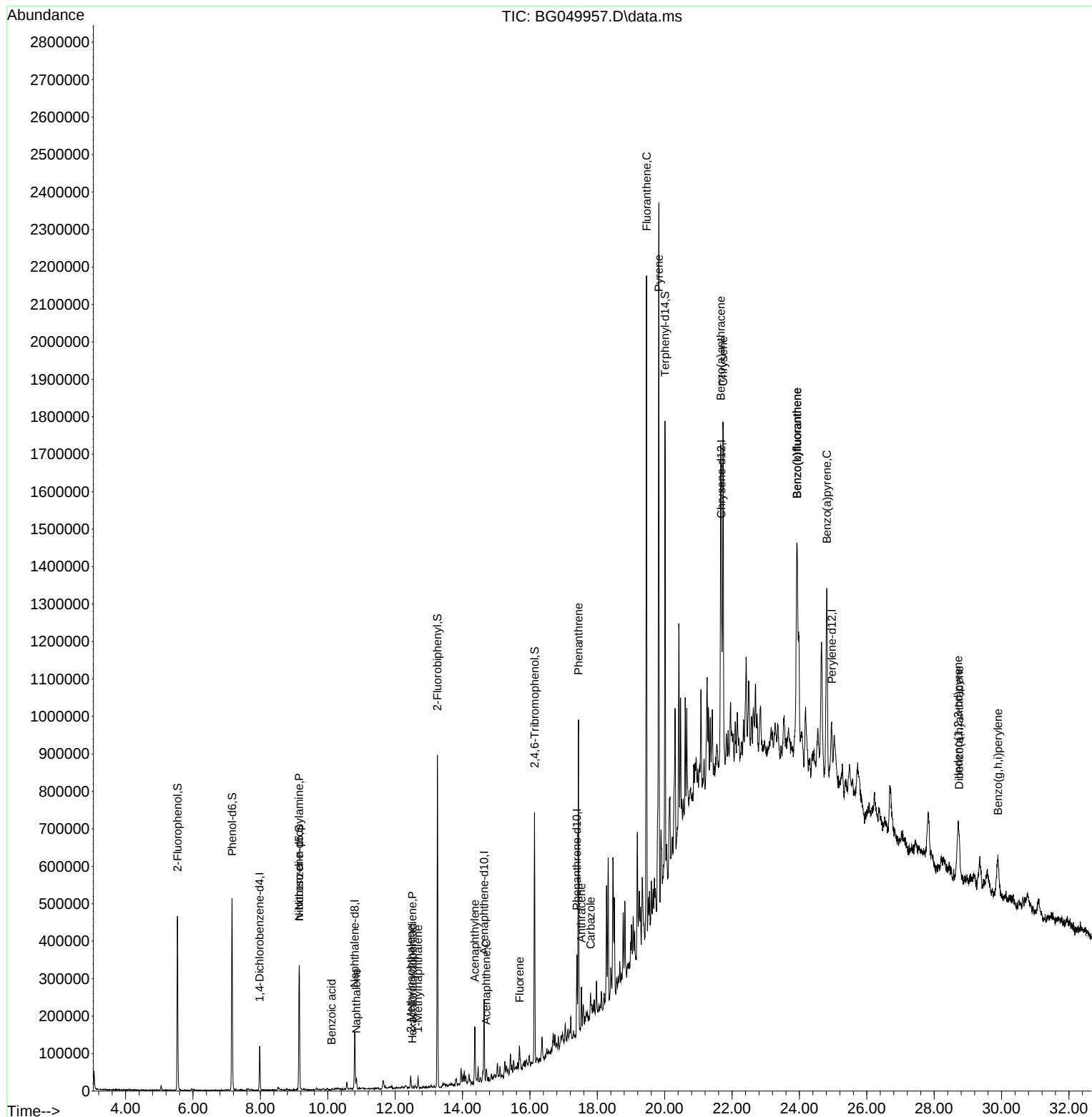
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.978	152	32164	20.000	ng	0.00
21) Naphthalene-d8	10.798	136	128397	20.000	ng	#-0.01
39) Acenaphthene-d10	14.640	164	79584	20.000	ng	0.00
64) Phenanthrene-d10	17.395	188	131212	20.000	ng	# 0.00
76) Chrysene-d12	21.683	240	119806	20.000	ng	# 0.00
86) Perylene-d12	24.961	264	126179	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.541	112	198718	110.752	ng	0.00
7) Phenol-d6	7.162	99	281890	103.787	ng	0.00
23) Nitrobenzene-d5	9.153	82	208341	71.803	ng	0.00
42) 2,4,6-Tribromophenol	16.138	330	125653	107.416	ng	0.00
45) 2-Fluorobiphenyl	13.254	172	444473	81.265	ng	0.00
79) Terphenyl-d14	20.009	244	502863	76.232	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.153	70	32080	17.650	ng	# 67
31) Naphthalene	10.851	128	21680	3.224	ng	96
32) Benzoic acid	10.111	122	58	4.989	ng	# 71
37) 2-Methylnaphthalene	12.467	142	15531	3.066	ng	97
38) 1-Methylnaphthalene	12.678	142	12660	2.659	ng	# 79
41) Hexachlorocyclopentadiene	12.514	237	80	3.601	ng	# 31
49) Acenaphthylene	14.364	152	116425	16.225	ng	94
52) Acenaphthene	14.705	154	9885	2.287	ng	92
58) Fluorene	15.692	166	31654	5.554	ng	98
71) Phenanthrene	17.442	178	516760	74.857	ng	98
72) Anthracene	17.530	178	78213	11.536	ng	96
73) Carbazole	17.800	167	34521	5.376	ng	98
75) Fluoranthene	19.463	202	1097093	129.149	ng	97
78) Pyrene	19.827	202	1169596	143.197	ng	94
81) Benzo(a)anthracene	21.666	228	552219	70.777	ng	97
83) Chrysene	21.736	228	657576	88.168	ng	# 92
87) Indeno(1,2,3-cd)pyrene	28.715	276	281729	30.960	ng	# 96
88) Benzo(b)fluoranthene	23.927	252	757302	91.512	ng	# 93
89) Benzo(k)fluoranthene	23.927	252	757302	98.107	ng	# 97
90) Benzo(a)pyrene	24.814	252	507323	67.741	ng	# 91
91) Dibenzo(a,h)anthracene	28.744	278	74585	9.727	ng	# 75
92) Benzo(g,h,i)perylene	29.896	276	264724	35.238	ng	96

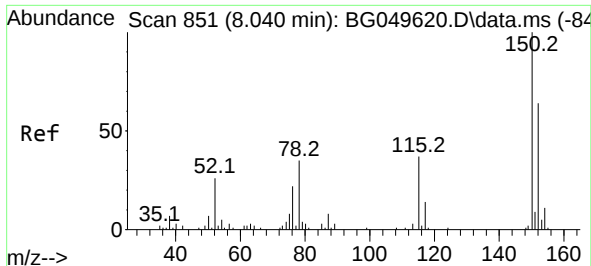
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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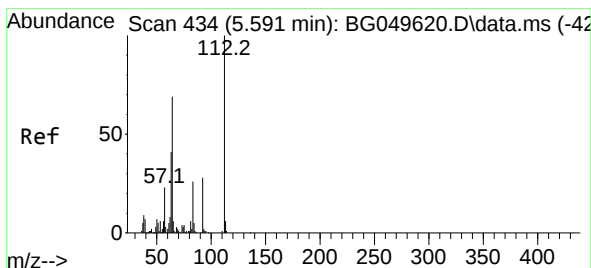
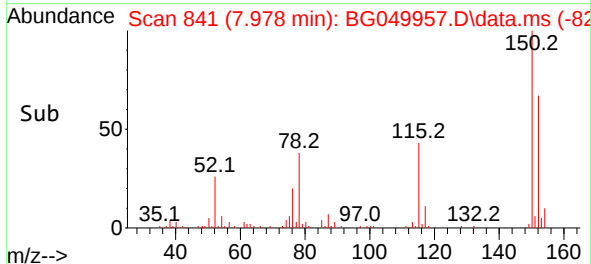
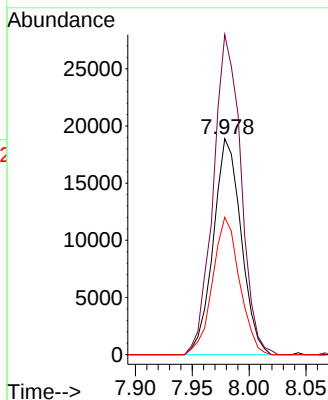
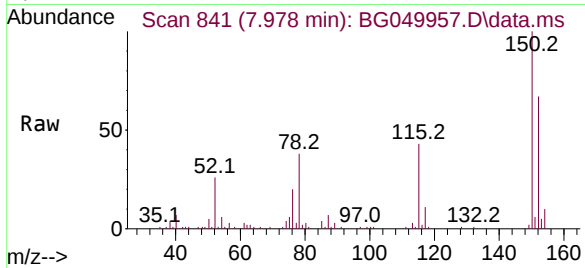




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.978 min Scan# 841
Delta R.T. -0.008 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

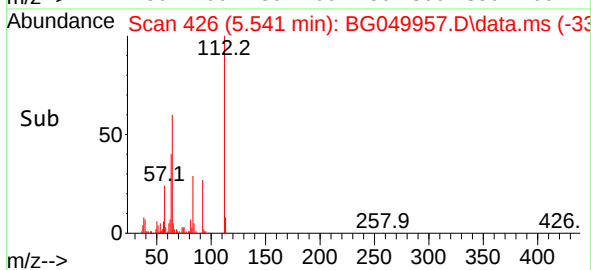
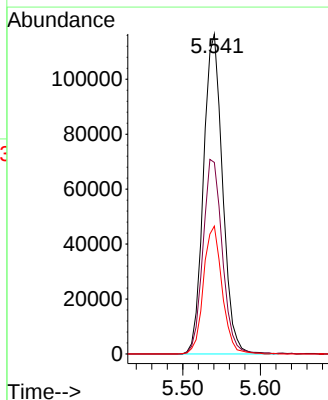
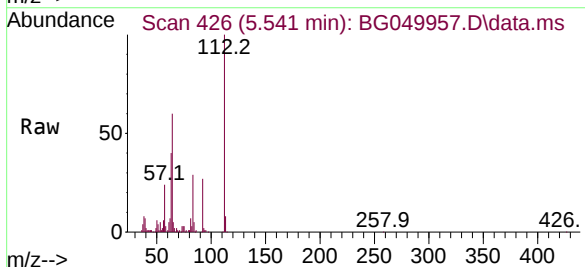
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

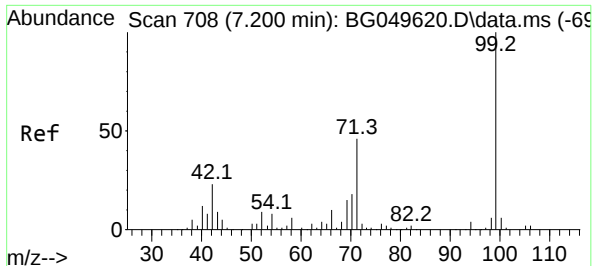
Tgt Ion:152 Resp: 32164
Ion Ratio Lower Upper
152 100
150 148.2 119.4 179.0
115 63.6 60.2 90.4



#5
2-Fluorophenol
Concen: 110.752 ng
RT: 5.541 min Scan# 426
Delta R.T. 0.004 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Tgt Ion:112 Resp: 198718
Ion Ratio Lower Upper
112 100
64 59.9 46.7 70.1
63 40.0 35.3 52.9

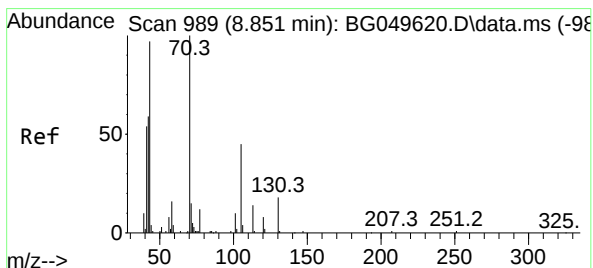
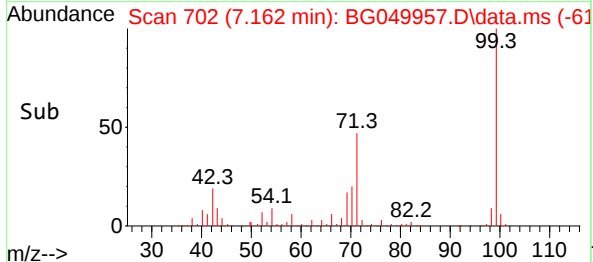
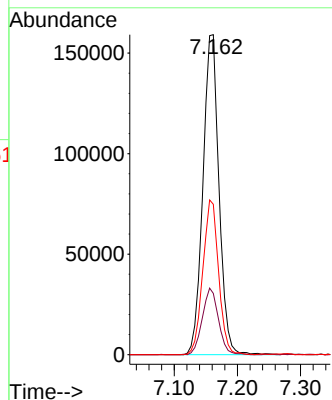
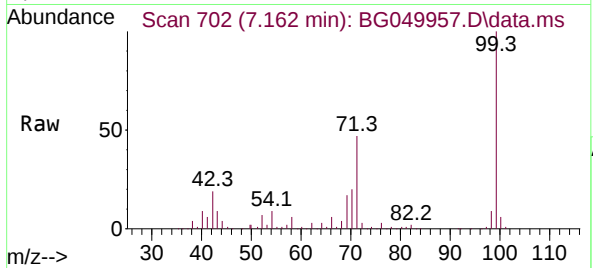




#7
Phenol-d6
Concen: 103.787 ng
RT: 7.162 min Scan# 702
Delta R.T. 0.004 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

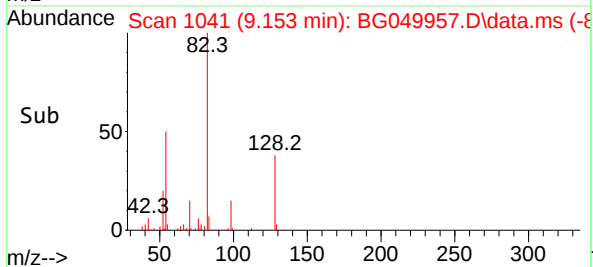
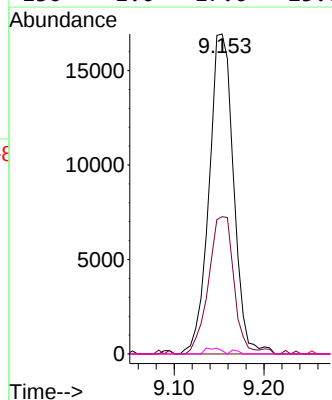
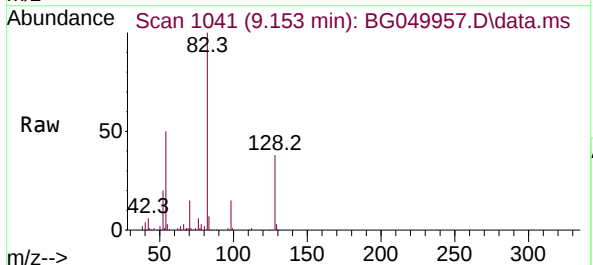
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

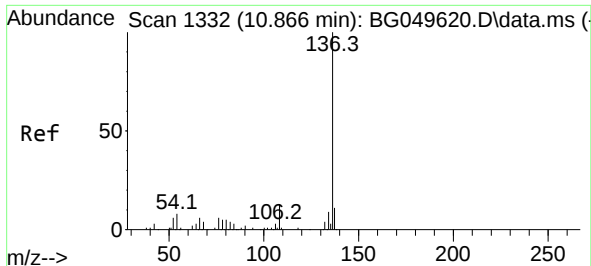
Tgt Ion: 99 Resp: 281890
Ion Ratio Lower Upper
99 100
42 19.2 20.5 30.7#
71 47.0 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 17.650 ng
RT: 9.153 min Scan# 1041
Delta R.T. 0.357 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Tgt Ion: 70 Resp: 32080
Ion Ratio Lower Upper
70 100
42 42.9 54.5 81.7#
101 0.0 9.0 13.6#
130 1.0 17.0 25.6#

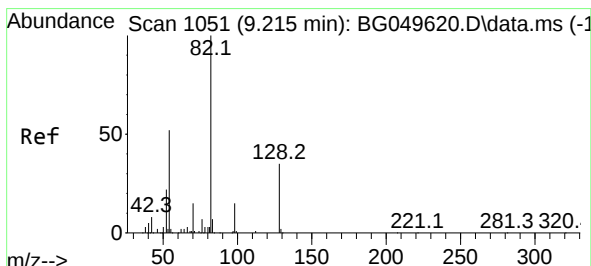
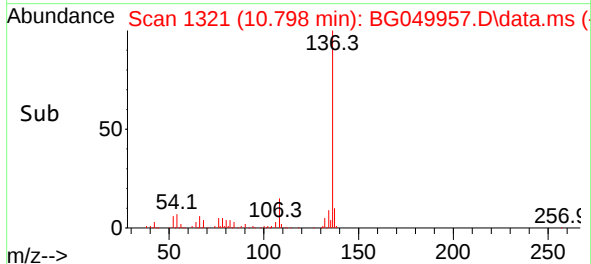
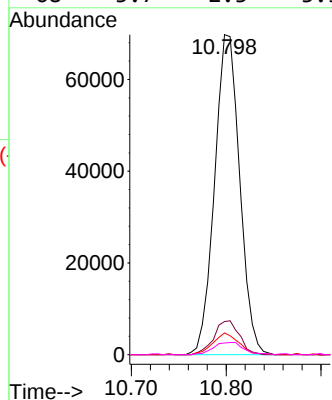
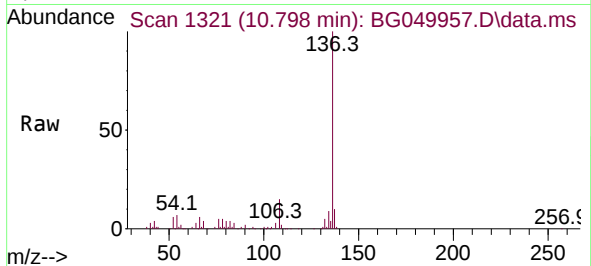




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.798 min Scan# 1321
Delta R.T. -0.013 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

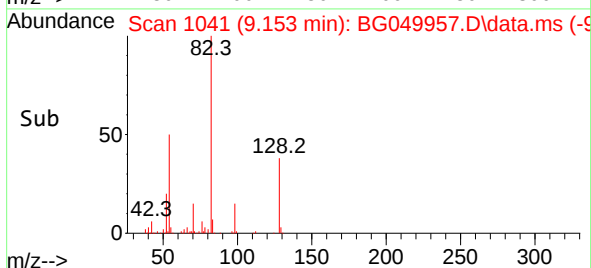
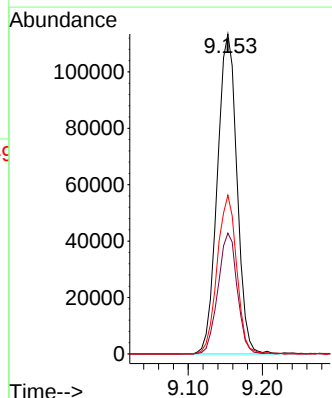
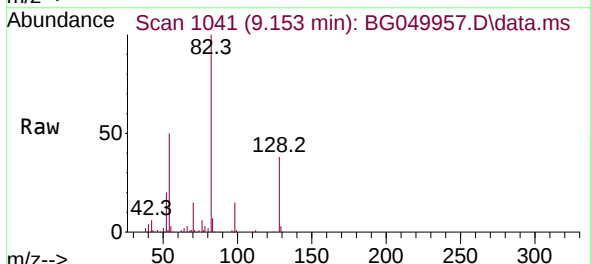
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

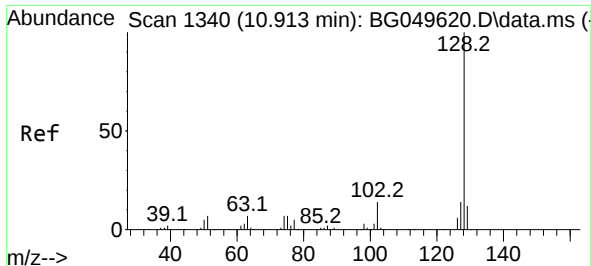
Tgt Ion:	136	Resp:	128397
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.2	12.2
54	6.8	5.5	8.3
68	3.7	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 71.803 ng
RT: 9.153 min Scan# 1041
Delta R.T. -0.007 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Tgt Ion:	82	Resp:	208341
Ion Ratio	Lower	Upper	
82	100		
128	37.7	29.8	44.6
54	49.6	45.8	68.8

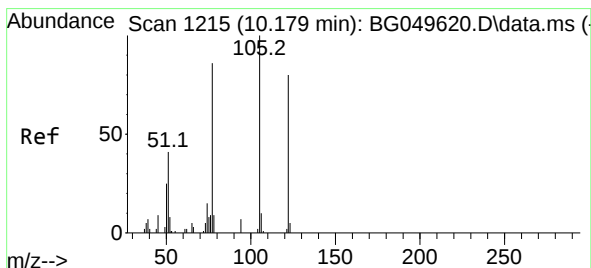
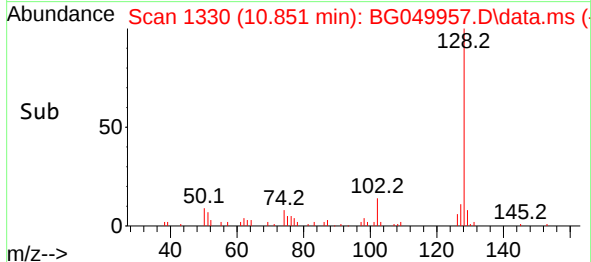
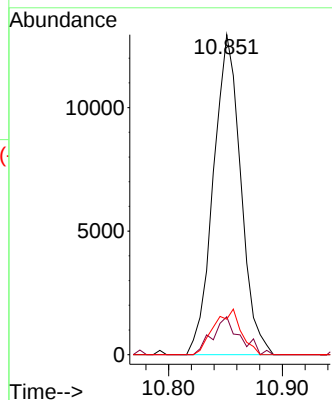
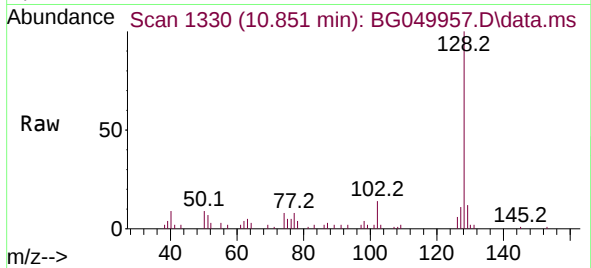




#31
Naphthalene
Concen: 3.224 ng
RT: 10.851 min Scan# 1330
Delta R.T. -0.007 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

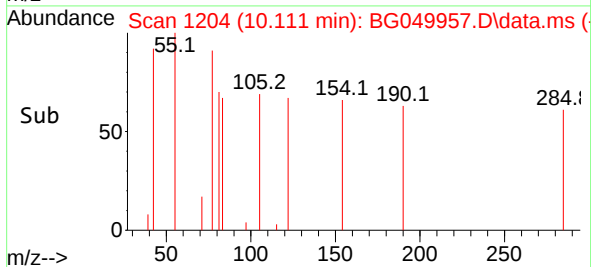
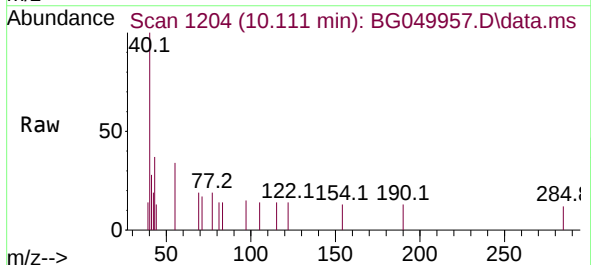
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

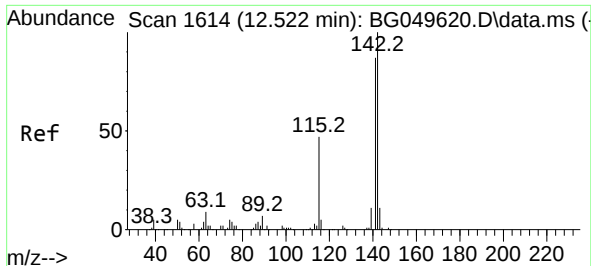
Tgt Ion:128	Resp:	21680
Ion Ratio	Lower	Upper
128	100	
129	11.8	8.5 12.7
127	11.1	10.2 15.4



#32
Benzoic acid
Concen: 4.989 ng
RT: 10.111 min Scan# 1204
Delta R.T. -0.025 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Tgt Ion:122	Resp:	58
Ion Ratio	Lower	Upper
122	100	
105	103.0	92.3 132.3
77	137.0	66.5 106.5#

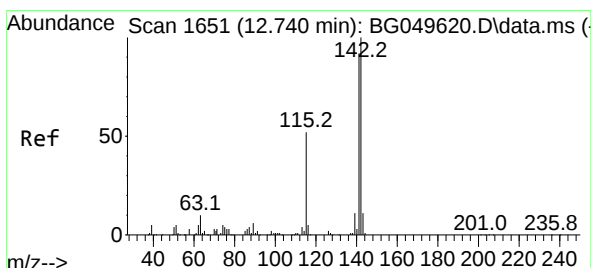
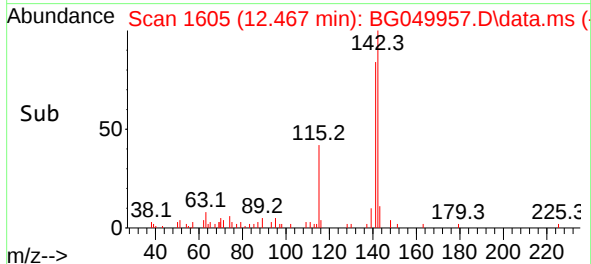
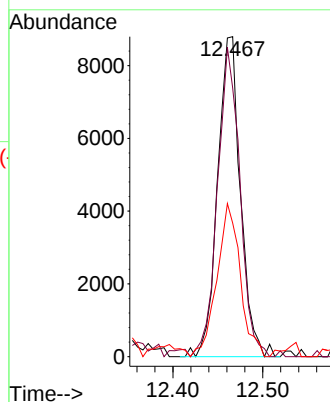
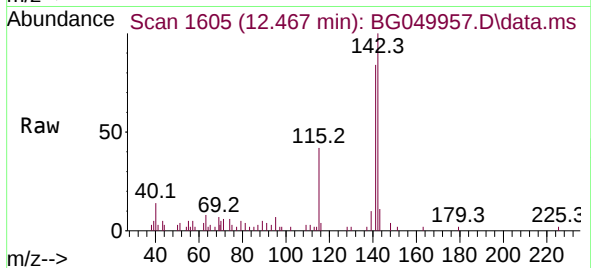




#37
2-Methylnaphthalene
Concen: 3.066 ng
RT: 12.467 min Scan# 1605
Delta R.T. -0.002 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

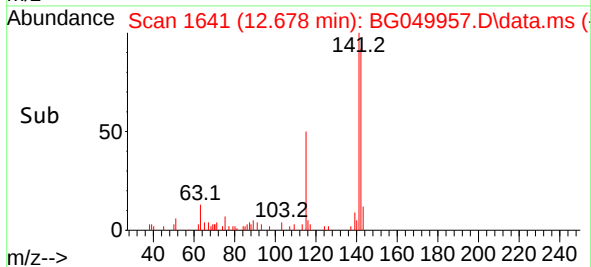
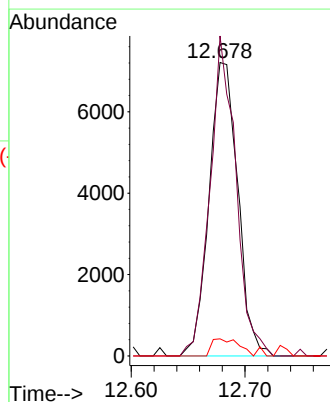
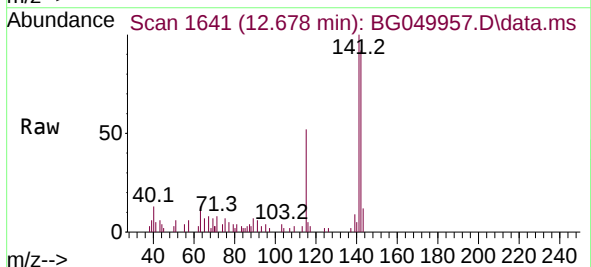
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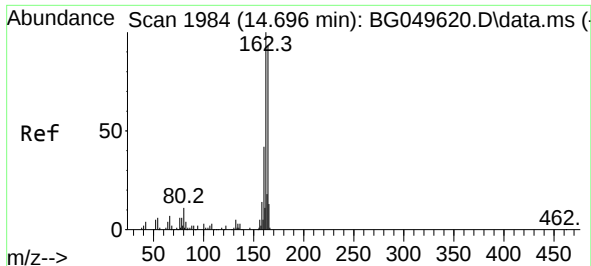
Tgt Ion:	142	Resp:	15531
Ion Ratio	Lower	Upper	
142	100		
141	83.9	68.8	103.2
115	41.7	36.4	54.6



#38
1-Methylnaphthalene
Concen: 2.659 ng
RT: 12.678 min Scan# 1641
Delta R.T. -0.013 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Tgt Ion:	142	Resp:	12660
Ion Ratio	Lower	Upper	
142	100		
141	109.0	70.6	106.0#
116	5.8	4.0	6.0

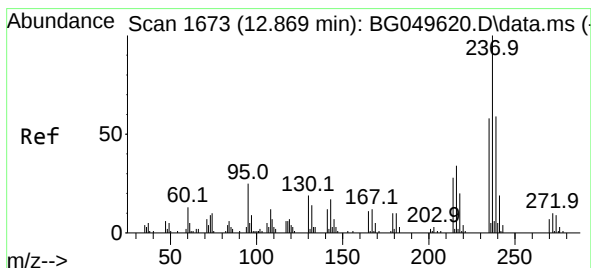
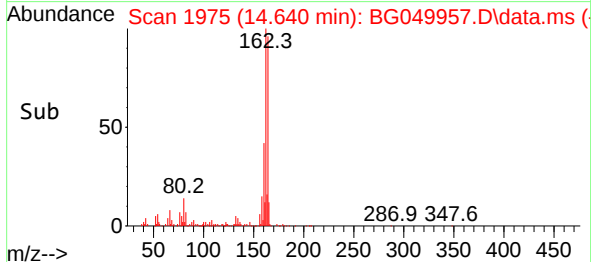
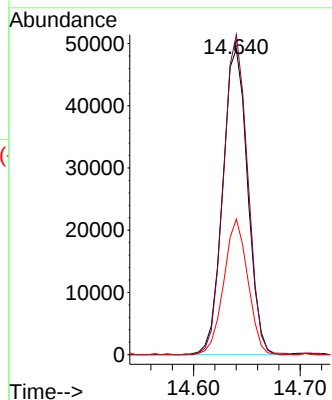
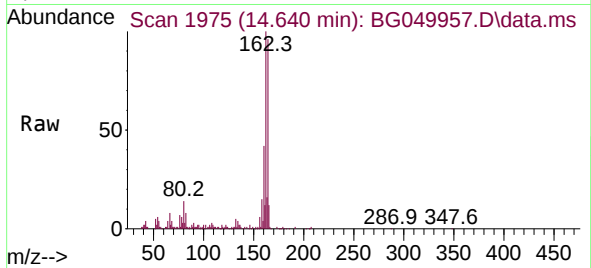




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.640 min Scan# 1975
Delta R.T. -0.007 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

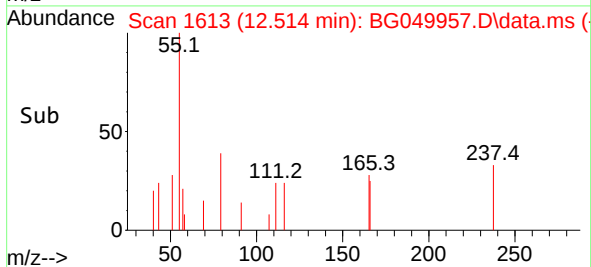
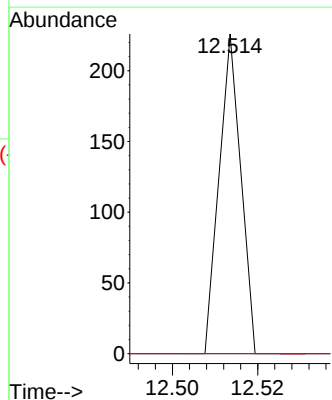
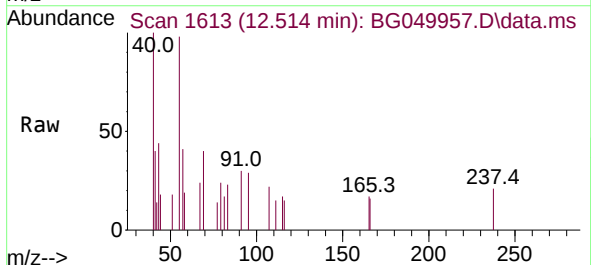
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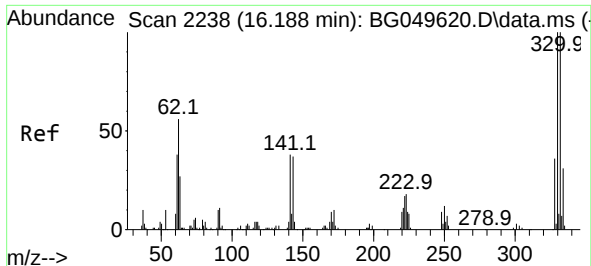
Tgt Ion:164 Resp: 79584
Ion Ratio Lower Upper
164 100
162 104.7 81.4 122.0
160 44.4 34.9 52.3



#41
Hexachlorocyclopentadiene
Concen: 3.601 ng
RT: 12.514 min Scan# 1613
Delta R.T. -0.301 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Tgt Ion:237 Resp: 80
Ion Ratio Lower Upper
237 100
235 0.0 36.6 76.6#
272 0.0 0.0 32.5

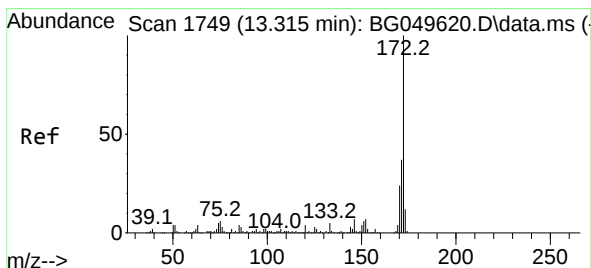
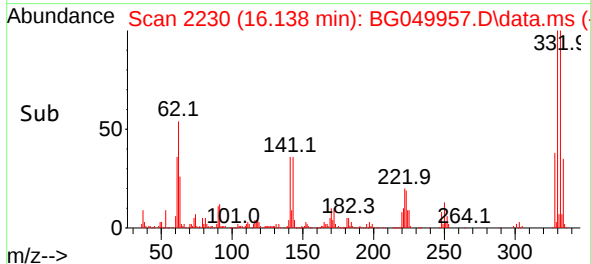
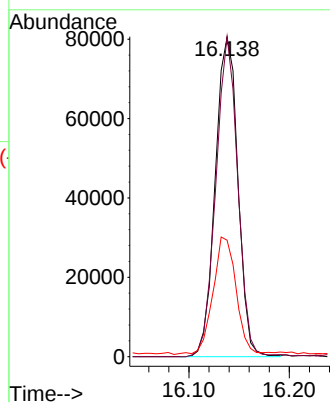
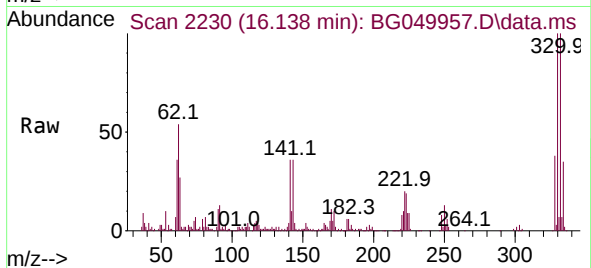




#42
2,4,6-Tribromophenol
Concen: 107.416 ng
RT: 16.138 min Scan# 2230
Delta R.T. -0.007 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

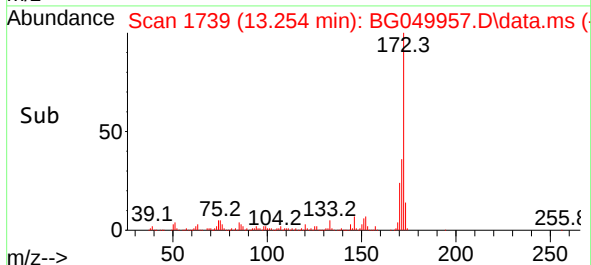
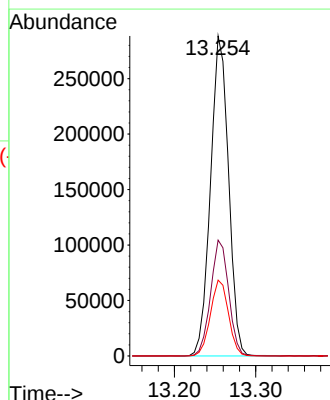
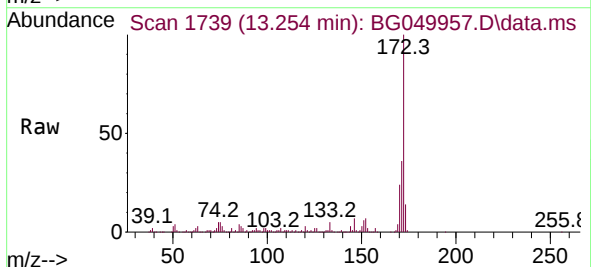
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

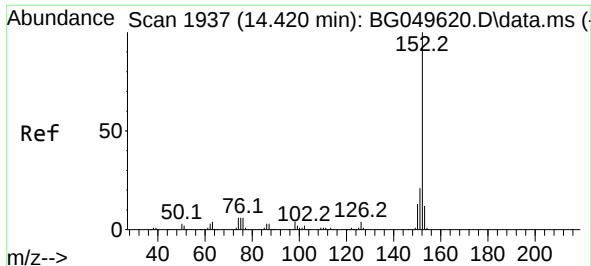
Tgt Ion:330 Resp: 125653
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 36.6 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 81.265 ng
RT: 13.254 min Scan# 1739
Delta R.T. -0.007 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Tgt Ion:172 Resp: 444473
Ion Ratio Lower Upper
172 100
171 36.2 28.6 43.0
170 23.7 18.6 27.8

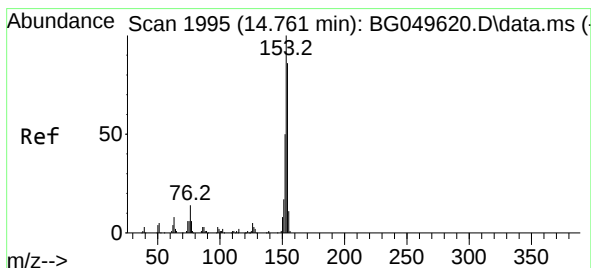
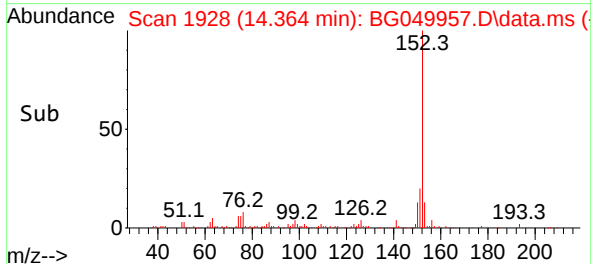
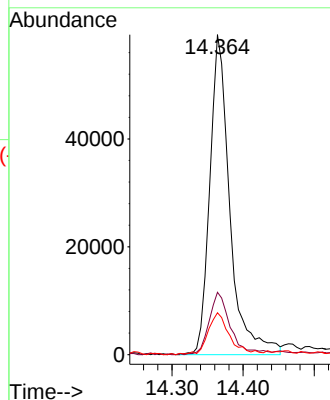
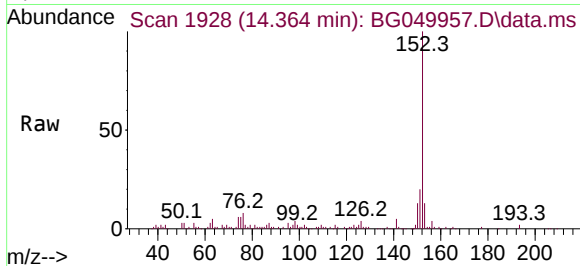




#49
Acenaphthylene
Concen: 16.225 ng
RT: 14.364 min Scan# 1928
Delta R.T. -0.007 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

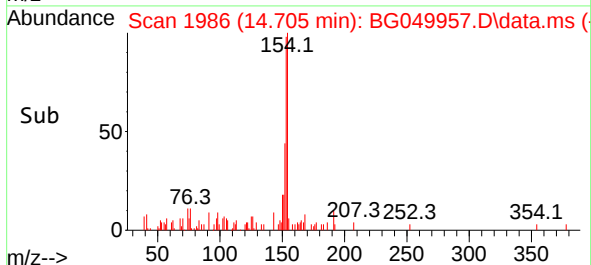
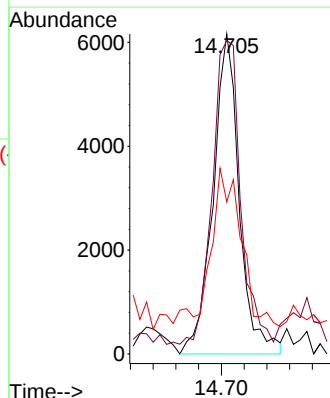
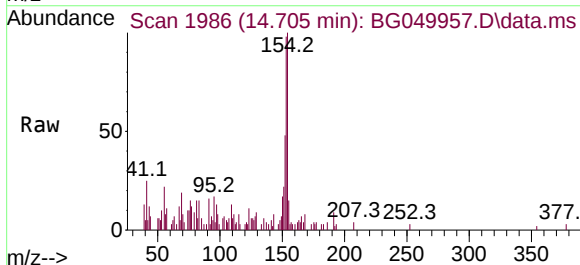
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

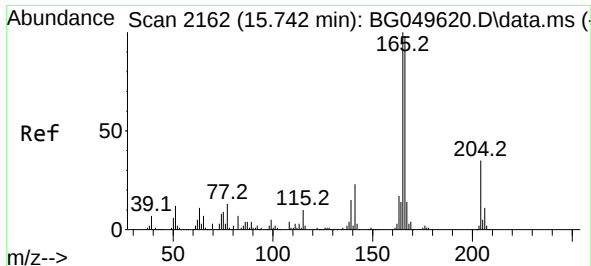
Tgt Ion:152	Resp:	116425
Ion Ratio	Lower	Upper
152	100	
151	19.5	18.2 27.4
153	13.1	11.7 17.5



#52
Acenaphthene
Concen: 2.287 ng
RT: 14.705 min Scan# 1986
Delta R.T. -0.007 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Tgt Ion:154	Resp:	9885
Ion Ratio	Lower	Upper
154	100	
153	98.0	87.0 130.4
152	47.6	40.1 60.1

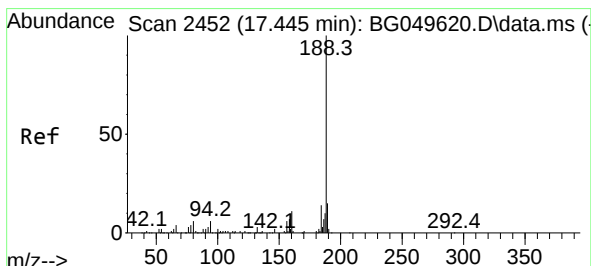
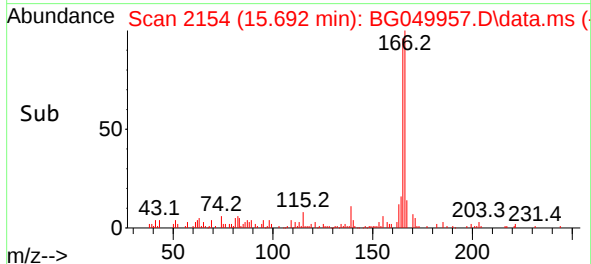
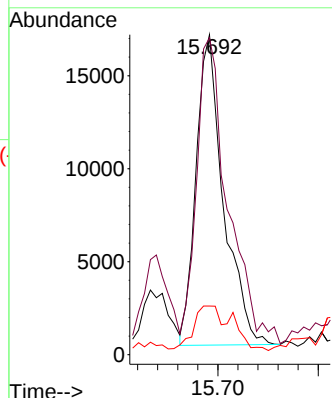
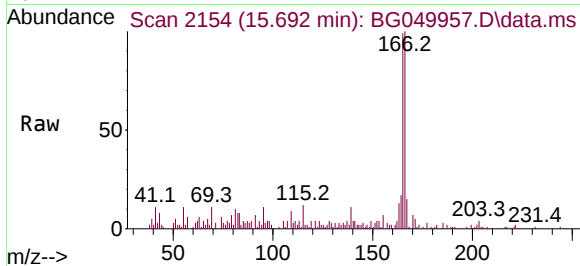




#58
Fluorene
Concen: 5.554 ng
RT: 15.692 min Scan# 2154
Delta R.T. -0.007 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

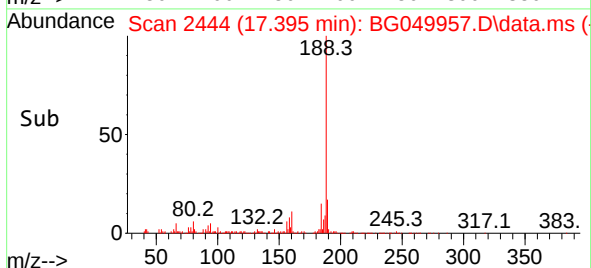
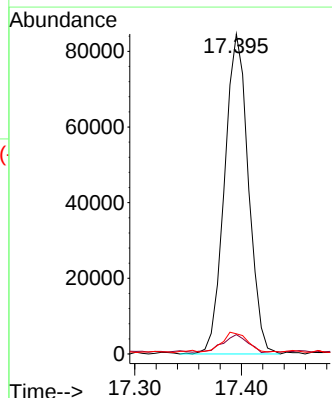
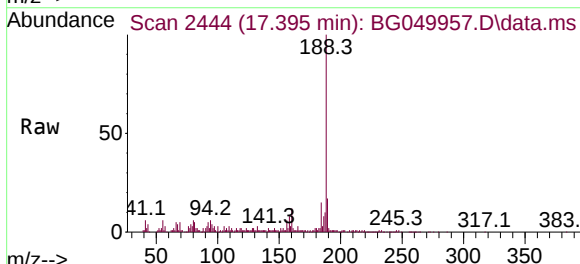
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

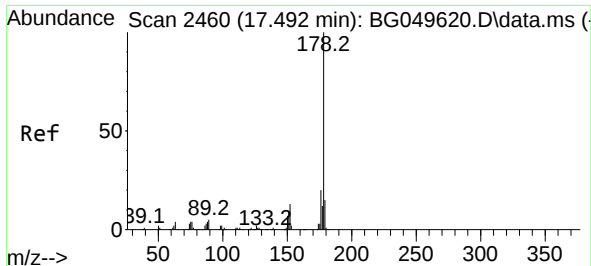
Tgt Ion:166 Resp: 31654
Ion Ratio Lower Upper
166 100
165 99.1 77.7 116.5
167 15.2 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.395 min Scan# 2444
Delta R.T. -0.007 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Tgt Ion:188 Resp: 131212
Ion Ratio Lower Upper
188 100
94 6.0 5.4 8.0
80 6.3 3.7 5.5#

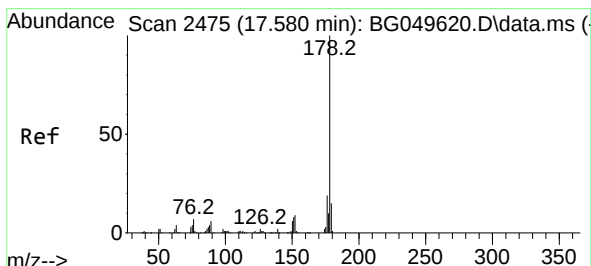
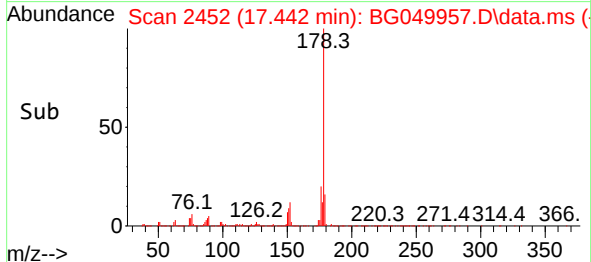
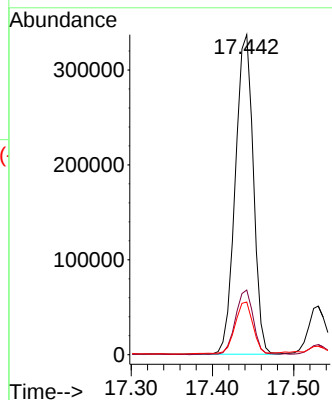
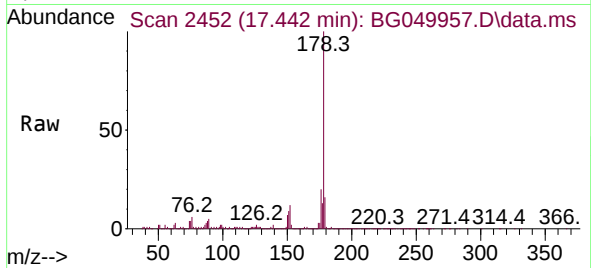




#71
Phenanthrene
Concen: 74.857 ng
RT: 17.442 min Scan# 2452
Delta R.T. -0.002 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

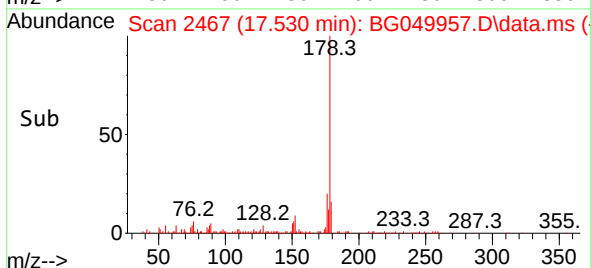
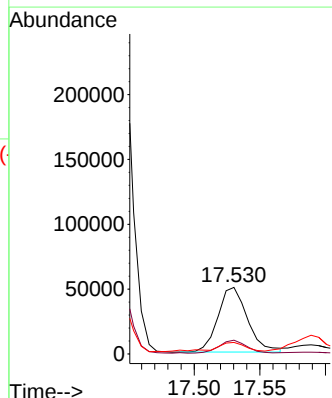
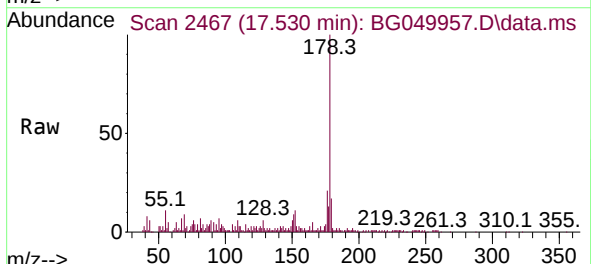
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

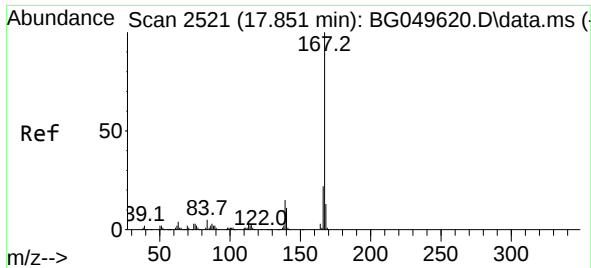
Tgt Ion:178 Resp: 516760
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 16.4 14.2 21.4



#72
Anthracene
Concen: 11.536 ng
RT: 17.530 min Scan# 2467
Delta R.T. -0.007 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Tgt Ion:178 Resp: 78213
Ion Ratio Lower Upper
178 100
176 20.7 14.6 21.8
179 17.4 13.4 20.0

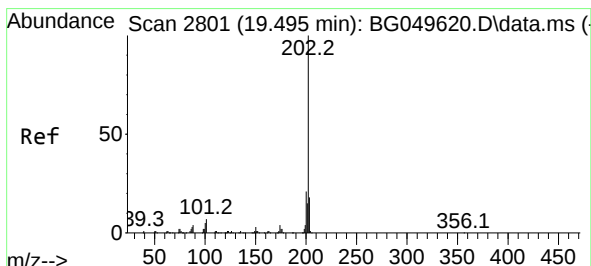
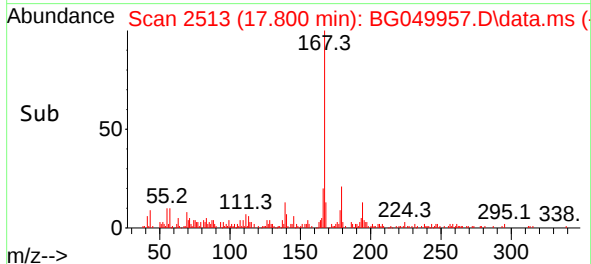
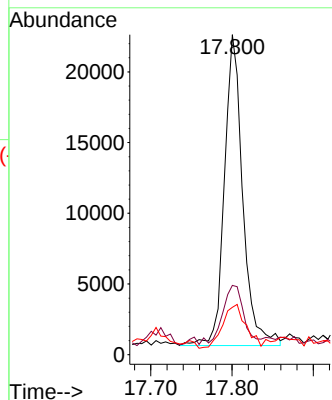
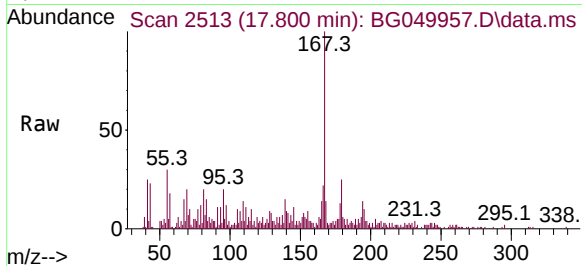




#73
 Carbazole
 Concen: 5.376 ng
 RT: 17.800 min Scan# 2513
 Delta R.T. -0.007 min
 Lab File: BG049957.D
 Acq: 24 Aug 2021 18:08

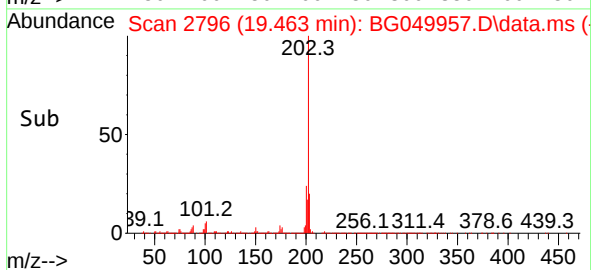
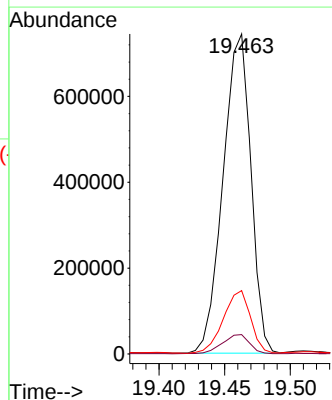
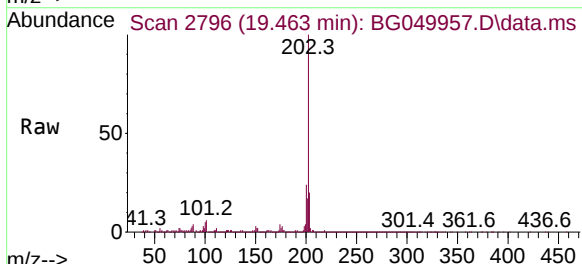
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0205

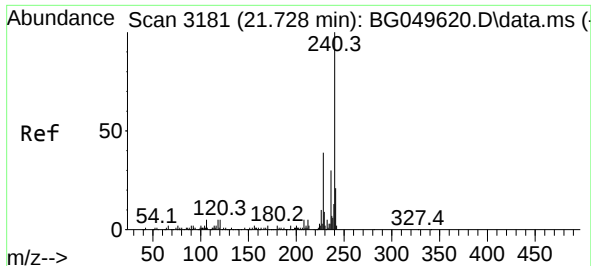
Tgt Ion:	167	Resp:	34521
Ion Ratio	Lower	Upper	
167	100		
166	21.6	17.4	26.2
139	14.8	10.7	16.1



#75
 Fluoranthene
 Concen: 129.149 ng
 RT: 19.463 min Scan# 2796
 Delta R.T. 0.004 min
 Lab File: BG049957.D
 Acq: 24 Aug 2021 18:08

Tgt Ion:	202	Resp:	1097093
Ion Ratio	Lower	Upper	
202	100		
101	6.0	0.0	24.7
203	19.8	0.0	38.5

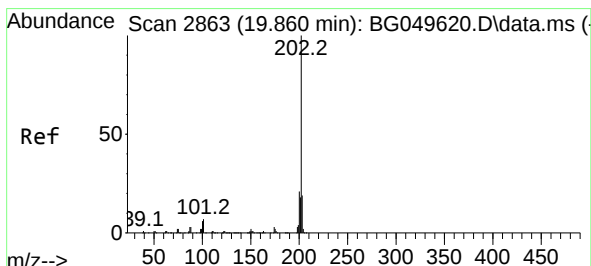
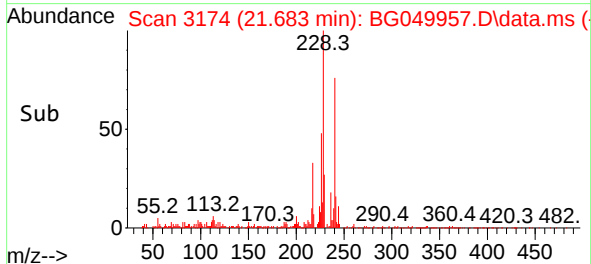
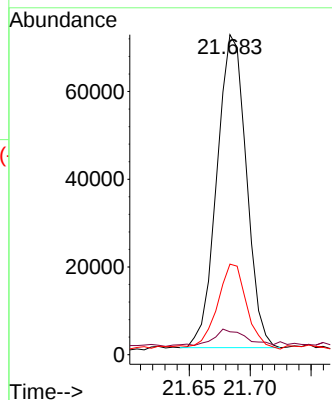
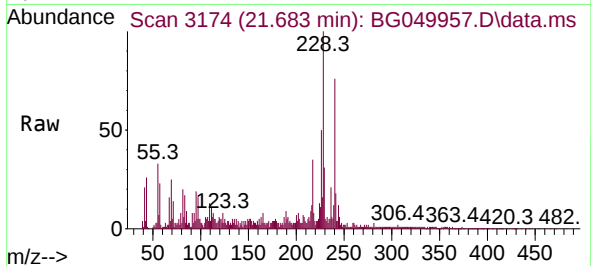




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.683 min Scan# 3174
Delta R.T. 0.004 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

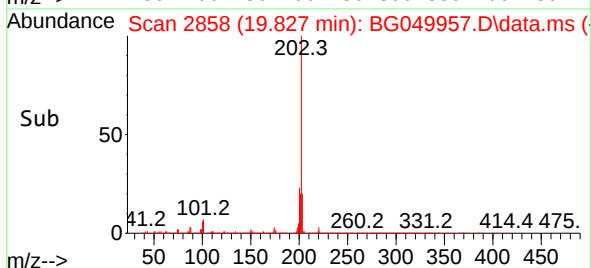
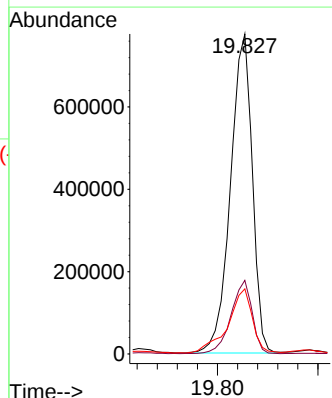
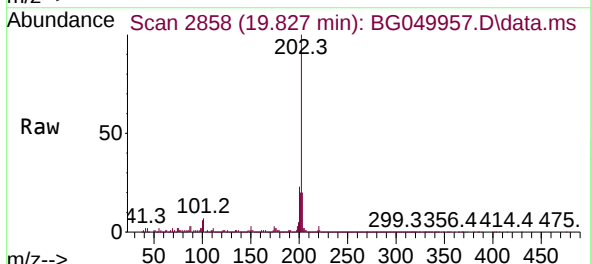
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

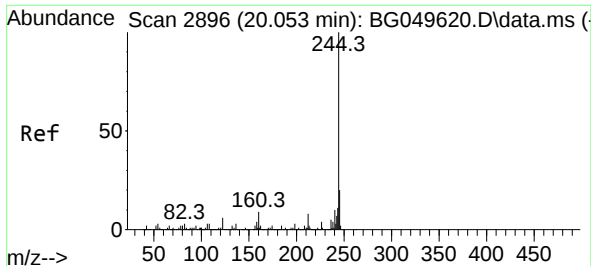
Tgt Ion:240 Resp: 119806
Ion Ratio Lower Upper
240 100
120 7.2 4.2 6.2#
236 28.3 21.8 32.6



#78
Pyrene
Concen: 143.197 ng
RT: 19.827 min Scan# 2858
Delta R.T. 0.010 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Tgt Ion:202 Resp: 1169596
Ion Ratio Lower Upper
202 100
200 23.0 15.8 23.8
203 20.4 14.6 21.8

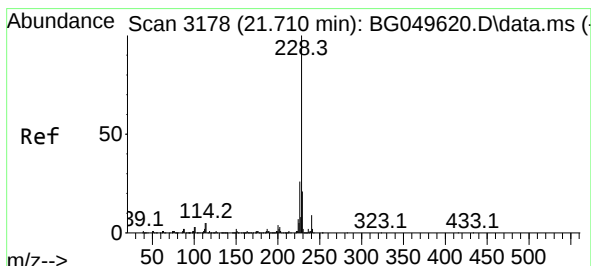
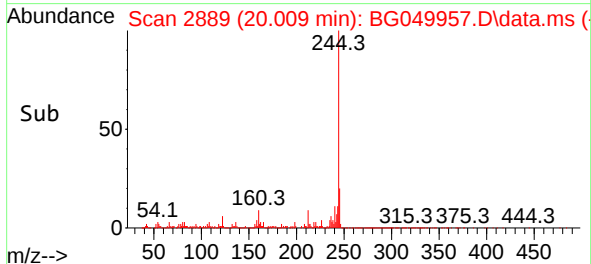
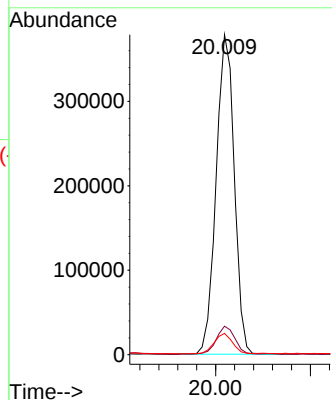
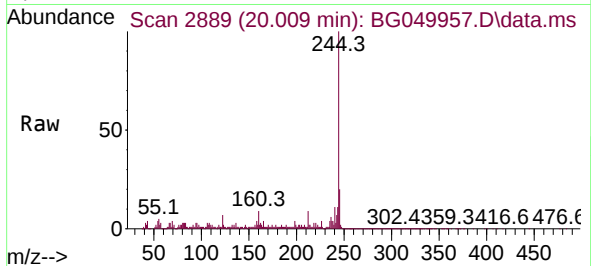




#79
 Terphenyl-d14
 Concen: 76.232 ng
 RT: 20.009 min Scan# 2889
 Delta R.T. -0.002 min
 Lab File: BG049957.D
 Acq: 24 Aug 2021 18:08

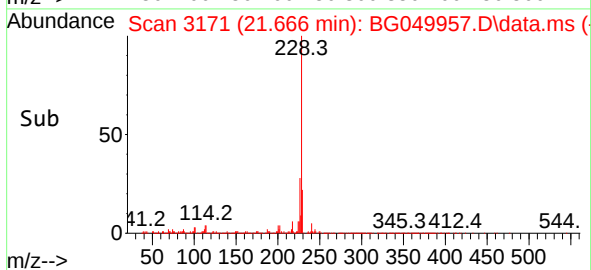
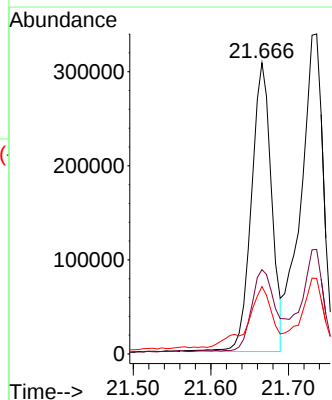
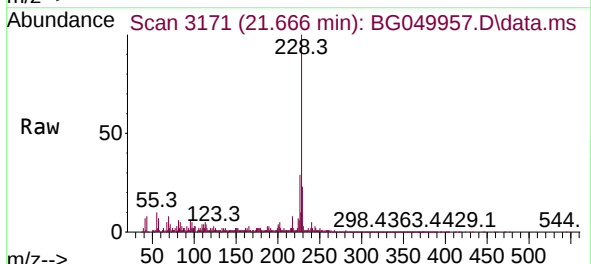
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0205

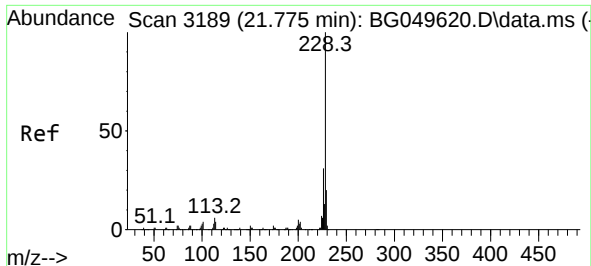
Tgt Ion:244 Resp: 502863
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.9 10.3
 122 6.7 5.0 7.6



#81
 Benzo(a)anthracene
 Concen: 70.777 ng
 RT: 21.666 min Scan# 3171
 Delta R.T. 0.010 min
 Lab File: BG049957.D
 Acq: 24 Aug 2021 18:08

Tgt Ion:228 Resp: 552219
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.7 34.1
 229 23.1 16.0 24.0

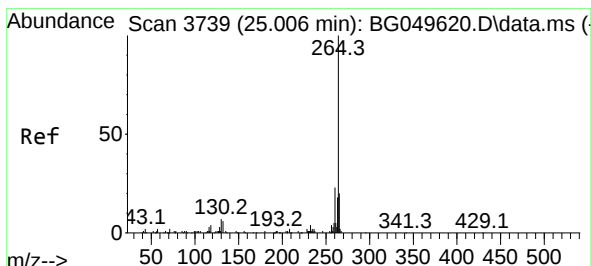
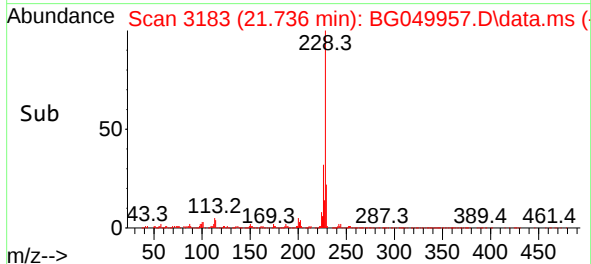
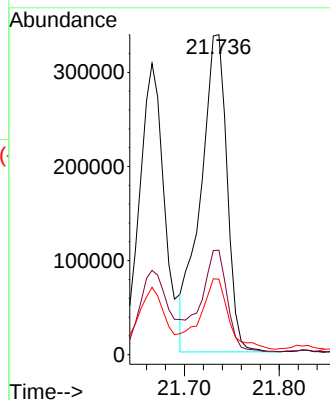
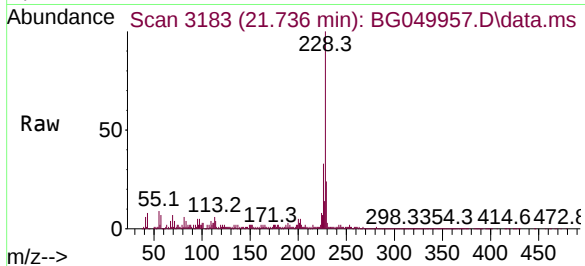




#83
Chrysene
Concen: 88.168 ng
RT: 21.736 min Scan# 3183
Delta R.T. 0.010 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

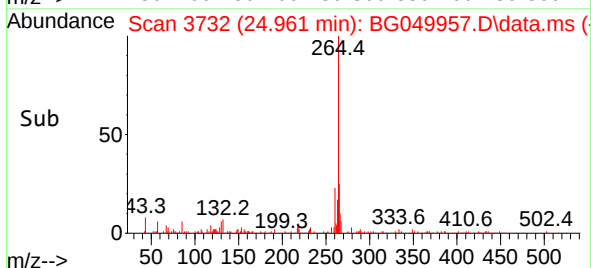
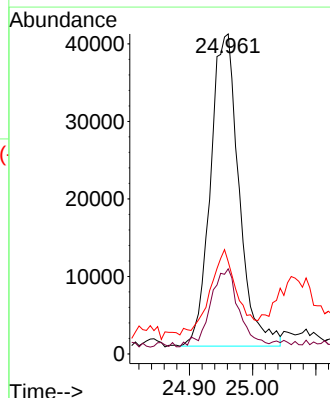
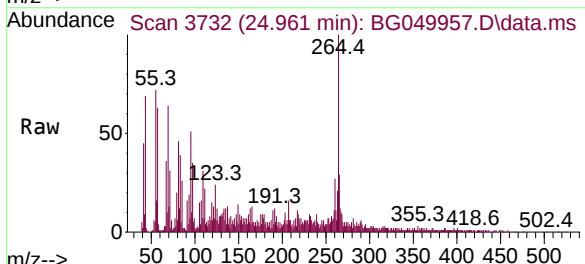
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

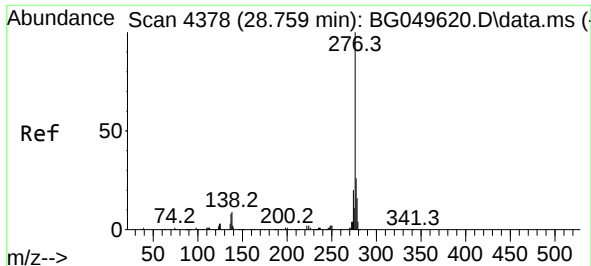
Tgt Ion:	228	Resp:	657576
Ion Ratio	Lower	Upper	
228	100		
226	32.6	23.1	34.7
229	23.6	15.3	22.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.961 min Scan# 3732
Delta R.T. 0.040 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Tgt Ion:	264	Resp:	126179
Ion Ratio	Lower	Upper	
264	100		
260	26.6	19.4	29.2
265	28.8	16.9	25.3#

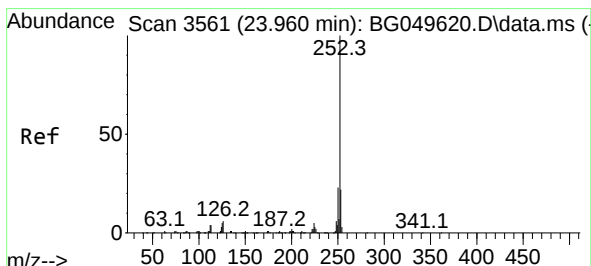
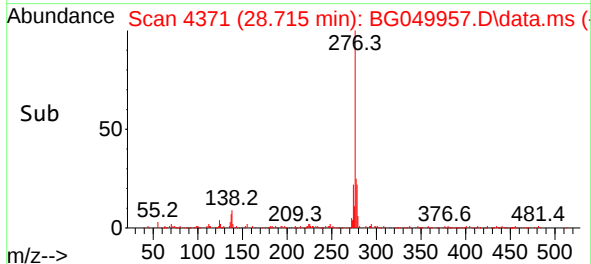
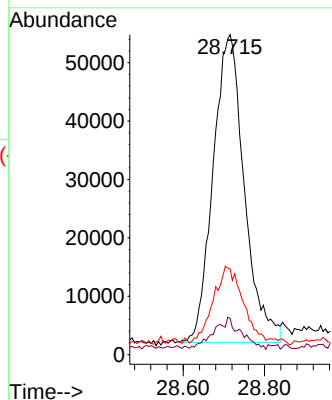
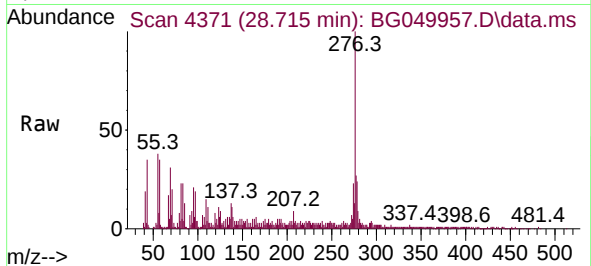




#87
Indeno(1,2,3-cd)pyrene
Concen: 30.960 ng
RT: 28.715 min Scan# 4371
Delta R.T. 0.069 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

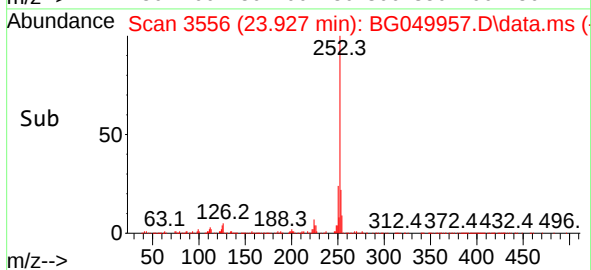
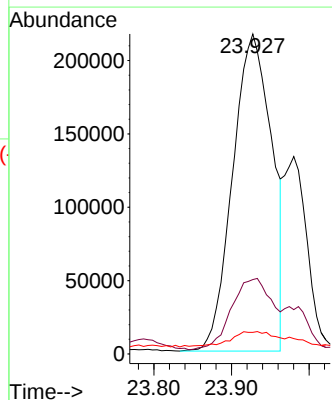
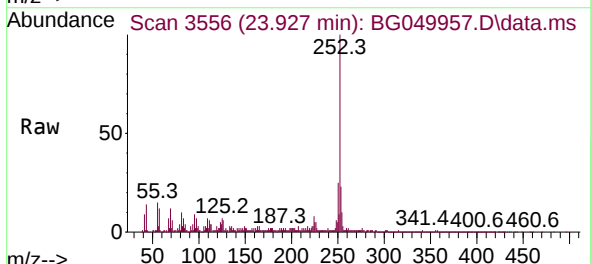
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

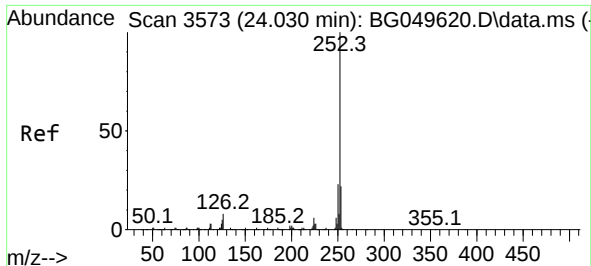
Tgt Ion:276 Resp: 281729
Ion Ratio Lower Upper
276 100
138 9.2 5.1 7.7#
277 23.5 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 91.512 ng
RT: 23.927 min Scan# 3556
Delta R.T. 0.034 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Tgt Ion:252 Resp: 757302
Ion Ratio Lower Upper
252 100
253 23.2 16.2 24.4
125 6.8 3.0 4.4#

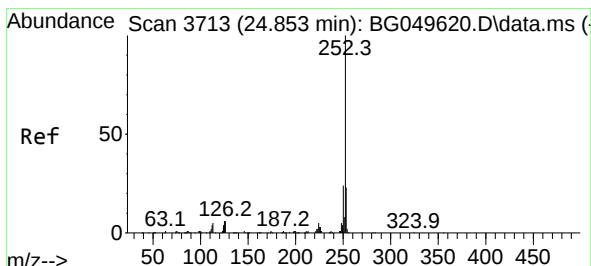
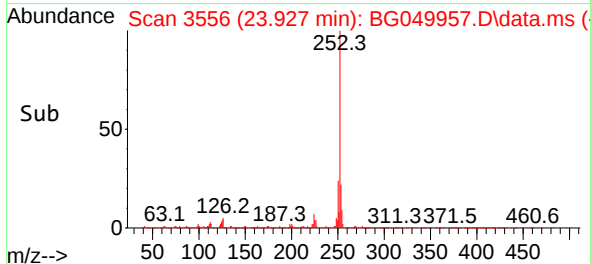
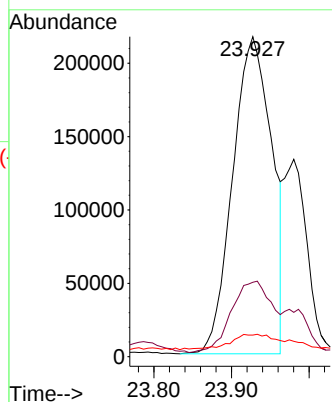
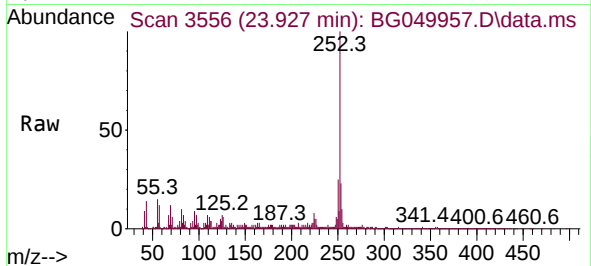




#89
Benzo(k)fluoranthene
Concen: 98.107 ng
RT: 23.927 min Scan# 3556
Delta R.T. -0.031 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

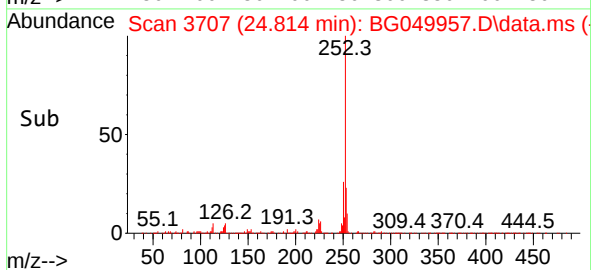
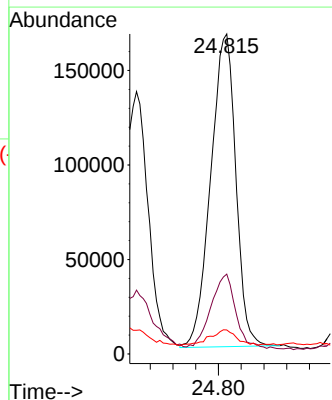
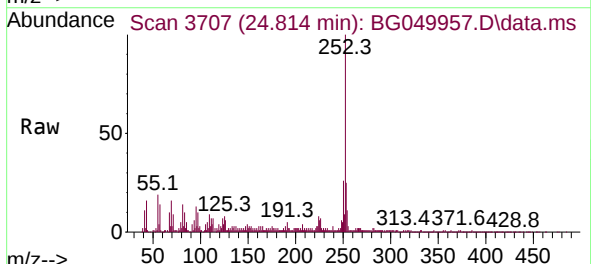
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

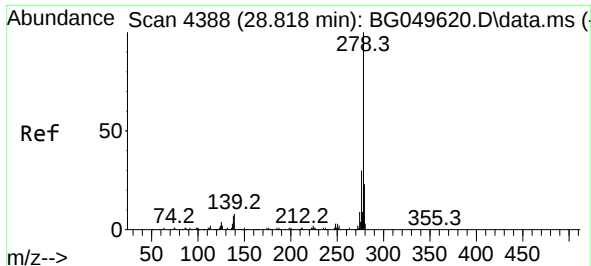
Tgt Ion:252 Resp: 757302
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 6.8 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 67.741 ng
RT: 24.814 min Scan# 3707
Delta R.T. 0.040 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Tgt Ion:252 Resp: 507323
Ion Ratio Lower Upper
252 100
253 25.0 16.6 25.0#
125 7.5 3.5 5.3#

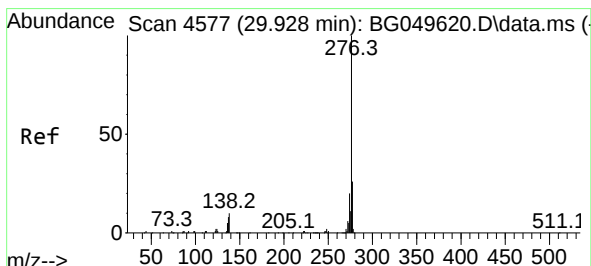
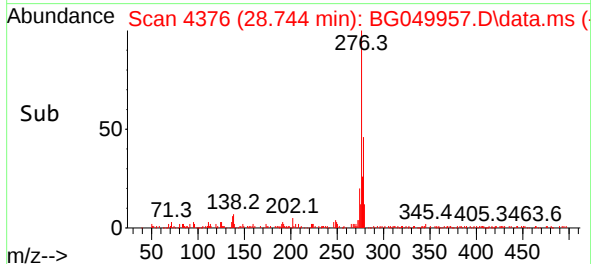
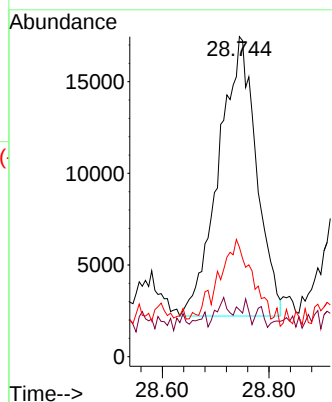
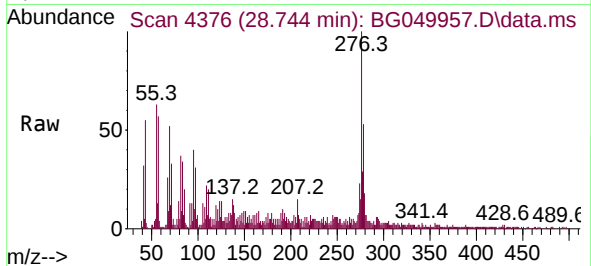




#91
Dibenzo(a,h)anthracene
Concen: 9.727 ng
RT: 28.744 min Scan# 4376
Delta R.T. 0.045 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

Tgt Ion:278 Resp: 74585
Ion Ratio Lower Upper
278 100
139 14.7 4.6 6.8#
279 34.2 17.9 26.9#



#92
Benzo(g,h,i)perylene
Concen: 35.238 ng
RT: 29.896 min Scan# 4572
Delta R.T. 0.081 min
Lab File: BG049957.D
Acq: 24 Aug 2021 18:08

Tgt Ion:276 Resp: 264724
Ion Ratio Lower Upper
276 100
277 25.6 18.4 27.6
138 8.8 7.0 10.6

