

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082421\
 Data File : BG049954.D
 Acq On : 24 Aug 2021 16:03
 Operator : CG/JU
 Sample : M3463-23
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-19-0204

Quant Time: Aug 25 01:07:32 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)

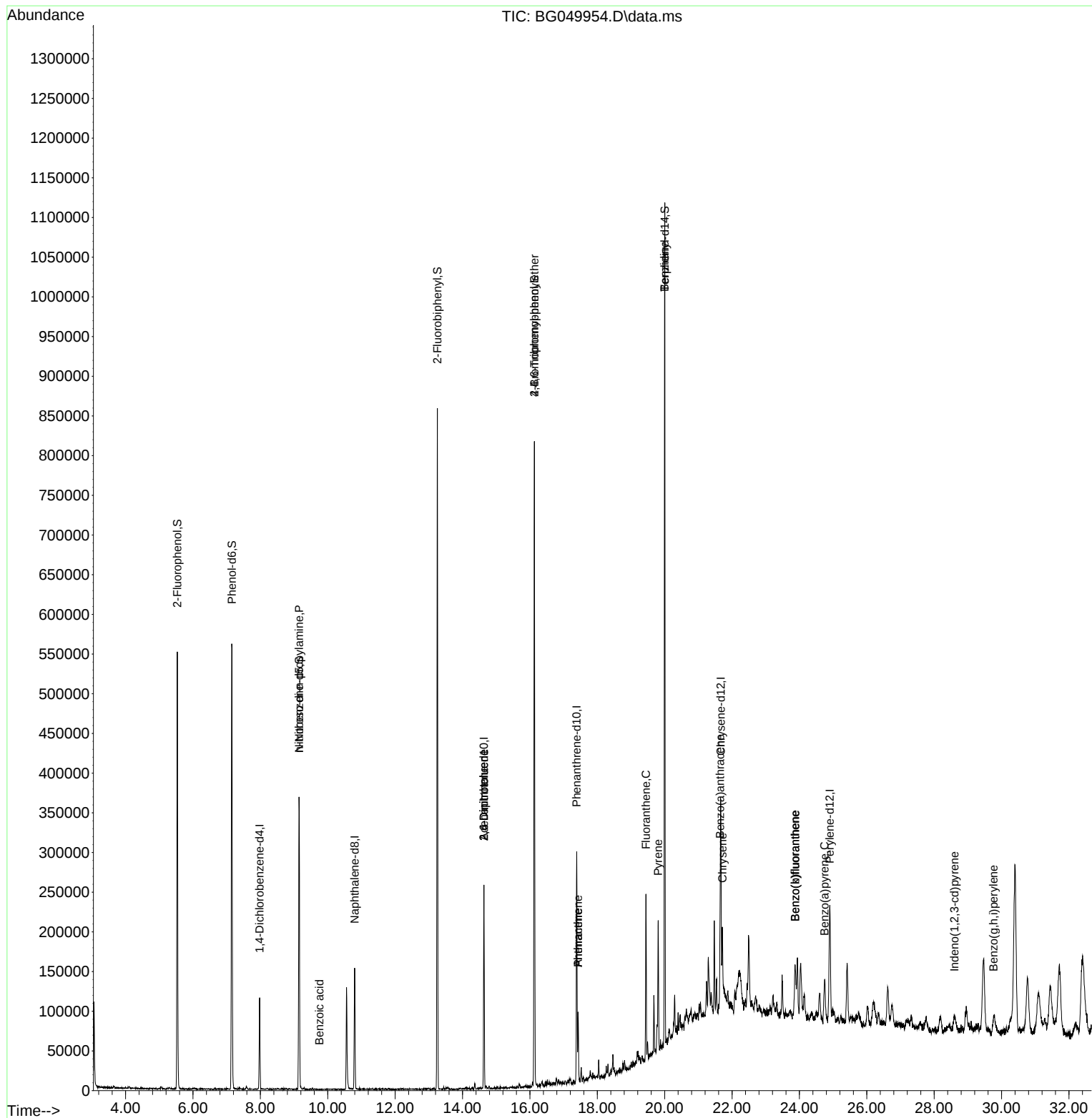
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.978	152	30746	20.000	ng	0.00
21) Naphthalene-d8	10.798	136	126770	20.000	ng	#-0.01
39) Acenaphthene-d10	14.634	164	88553	20.000	ng	-0.01
64) Phenanthrene-d10	17.389	188	172736	20.000	ng	#-0.01
76) Chrysene-d12	21.666	240	144969	20.000	ng	-0.01
86) Perylene-d12	24.897	264	152689	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.535	112	224949	131.154	ng	0.00
7) Phenol-d6	7.156	99	319400	123.021	ng	0.00
23) Nitrobenzene-d5	9.147	82	230430	80.435	ng	-0.01
42) 2,4,6-Tribromophenol	16.132	330	158626	121.869	ng	-0.01
45) 2-Fluorobiphenyl	13.254	172	430480	70.735	ng	0.00
79) Terphenyl-d14	20.003	244	512438	64.199	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.147	70	33419	19.235	ng	# 68
32) Benzoic acid	9.752	122	53	4.986	ng	# 1
51) 2,6-Dinitrotoluene	14.634	165	11737	7.979	ng	# 11
57) 2,4-Dinitrotoluene	14.634	165	11737	5.681	ng	# 16
67) 4-Bromophenyl-phenylether	16.132	248	9463	4.652	ng	# 1
71) Phenanthrene	17.430	178	52537	5.781	ng	97
72) Anthracene	17.430	178	52537	5.886	ng	99
75) Fluoranthene	19.445	202	130404	11.661	ng	95
77) Benzidine	19.997	184	10307	2.775	ng	# 91
78) Pyrene	19.809	202	104789	10.603	ng	96
81) Benzo(a)anthracene	21.648	228	63697	6.747	ng	99
83) Chrysene	21.713	228	63928	7.084	ng	94
87) Indeno(1,2,3-cd)pyrene	28.597	276	36930	3.354	ng	# 92
88) Benzo(b)fluoranthene	23.874	252	83105	8.299	ng	# 94
89) Benzo(k)fluoranthene	23.874	252	83105	8.897	ng	# 98
90) Benzo(a)pyrene	24.744	252	54830	6.050	ng	# 93
92) Benzo(g,h,i)perylene	29.761	276	35455	3.900	ng	# 91

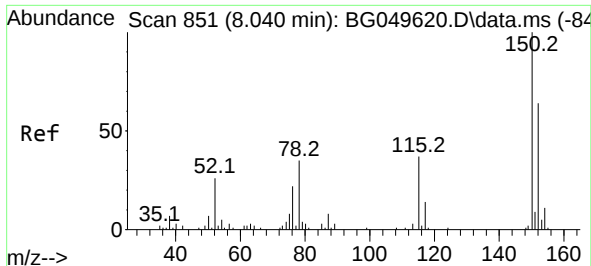
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082421\
Data File : BG049954.D
Acq On : 24 Aug 2021 16:03
Operator : CG/JU
Sample : M3463-23
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SWCS-19-0204

Quant Time: Aug 25 01:07:32 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

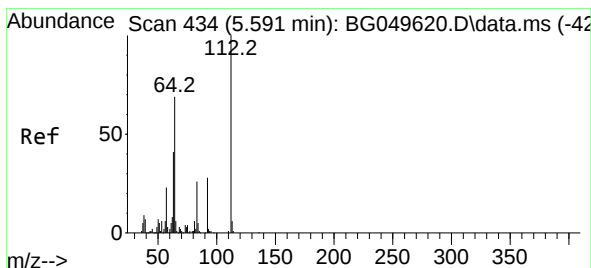
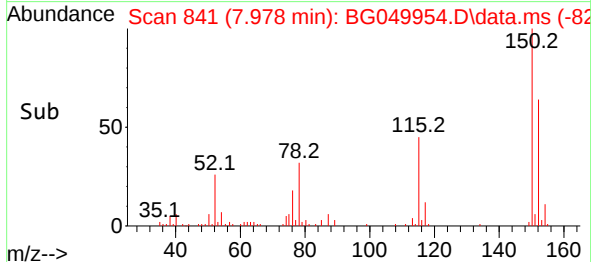
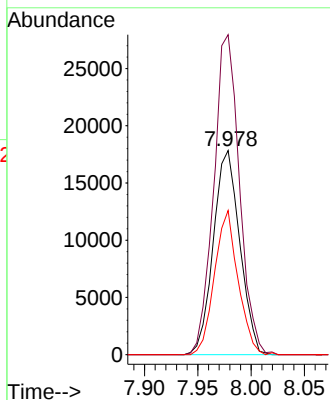
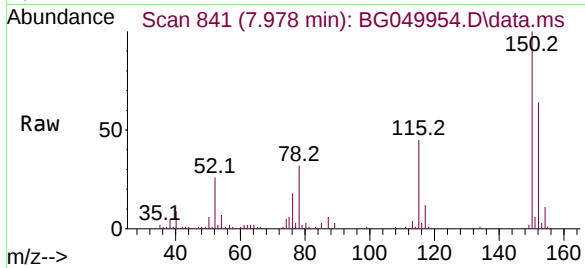




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.978 min Scan# 841
Delta R.T. -0.008 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

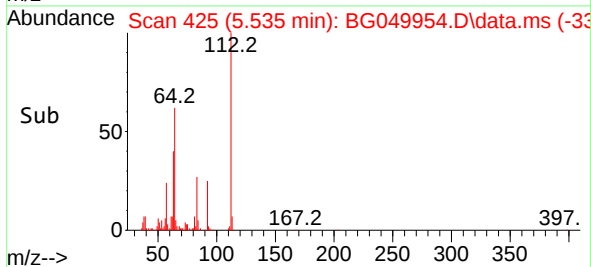
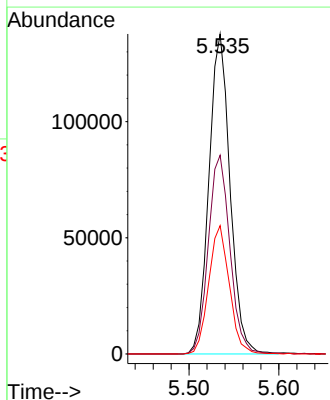
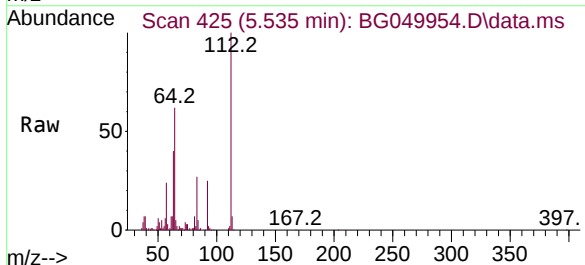
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0204

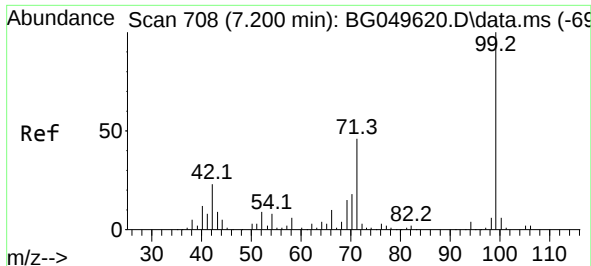
Tgt Ion:152 Resp: 30746
Ion Ratio Lower Upper
152 100
150 156.7 119.4 179.0
115 70.6 60.2 90.4



#5
2-Fluorophenol
Concen: 131.154 ng
RT: 5.535 min Scan# 425
Delta R.T. -0.002 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

Tgt Ion:112 Resp: 224949
Ion Ratio Lower Upper
112 100
64 62.1 46.7 70.1
63 40.1 35.3 52.9

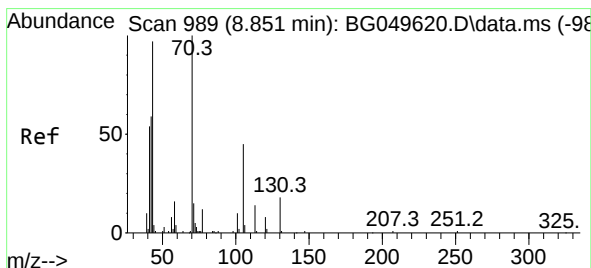
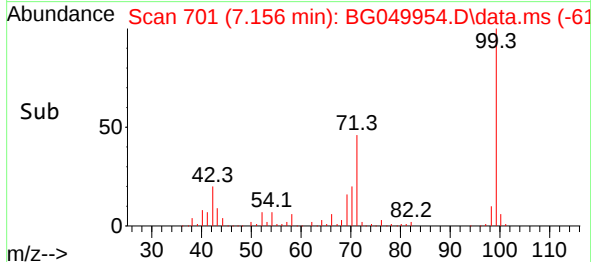
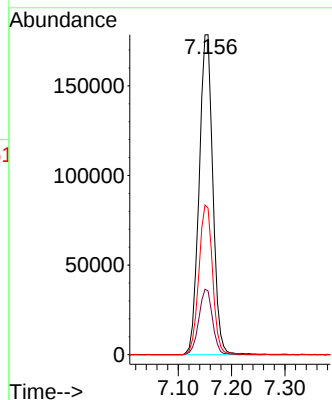
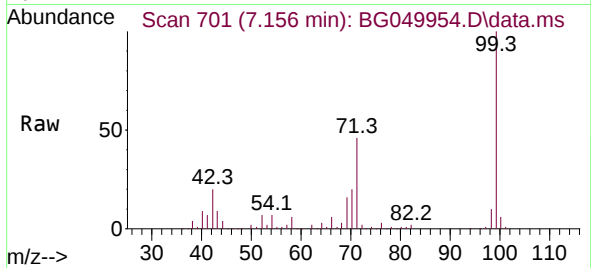




#7
Phenol-d6
Concen: 123.021 ng
RT: 7.156 min Scan# 701
Delta R.T. -0.002 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

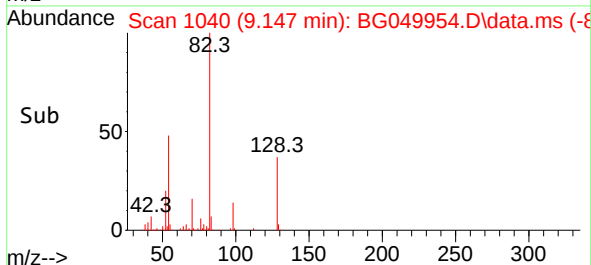
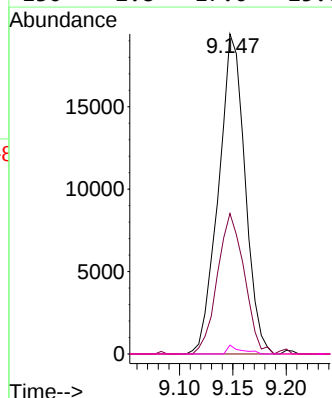
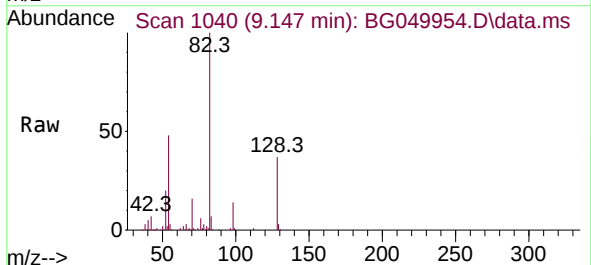
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0204

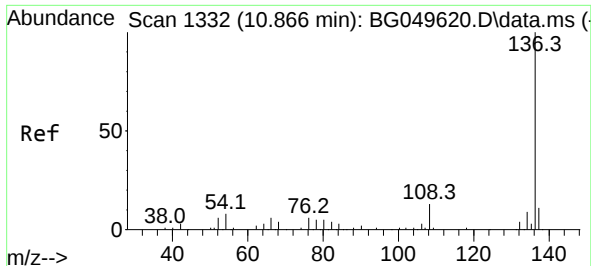
Tgt Ion: 99 Resp: 319400
Ion Ratio Lower Upper
99 100
42 20.0 20.5 30.7#
71 45.8 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 19.235 ng
RT: 9.147 min Scan# 1040
Delta R.T. 0.351 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

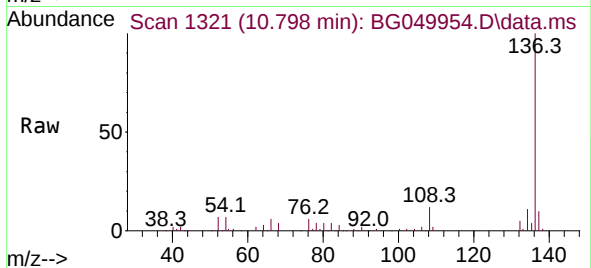
Tgt Ion: 70 Resp: 33419
Ion Ratio Lower Upper
70 100
42 43.9 54.5 81.7#
101 0.0 9.0 13.6#
130 2.8 17.0 25.6#



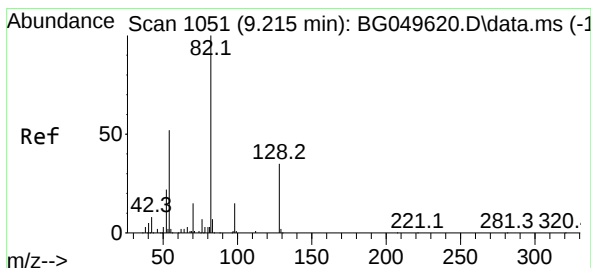
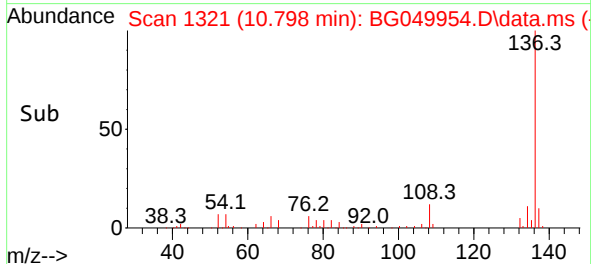
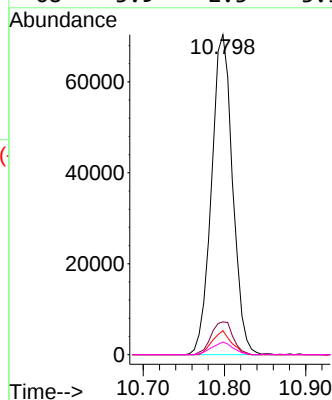


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.798 min Scan# 1321
Delta R.T. -0.013 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

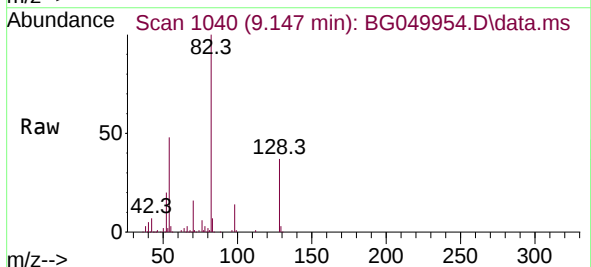
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0204



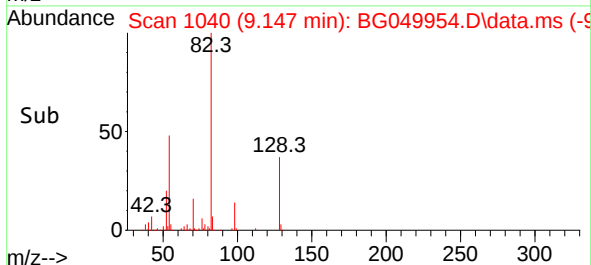
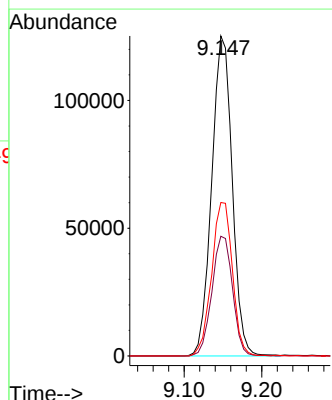
Tgt Ion:	136	Resp:	126770
Ion Ratio	100	Lower	Upper
136	100		
137	10.2	8.2	12.2
54	7.5	5.5	8.3
68	3.9	2.3	3.5

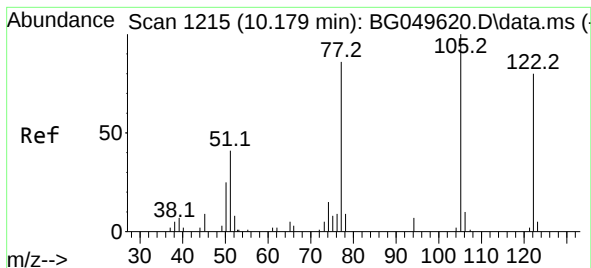


#23
Nitrobenzene-d5
Concen: 80.435 ng
RT: 9.147 min Scan# 1040
Delta R.T. -0.014 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03



Tgt Ion:	82	Resp:	230430
Ion Ratio	100	Lower	Upper
82	100		
128	37.4	29.8	44.6
54	48.0	45.8	68.8

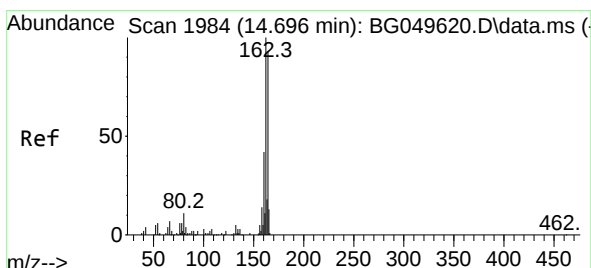
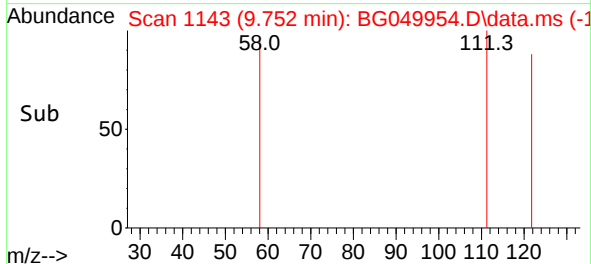
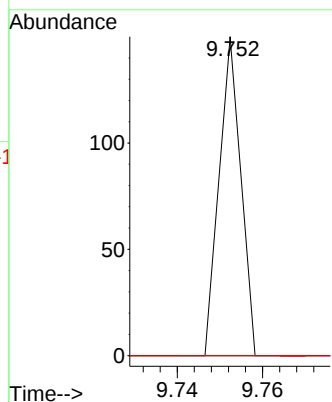
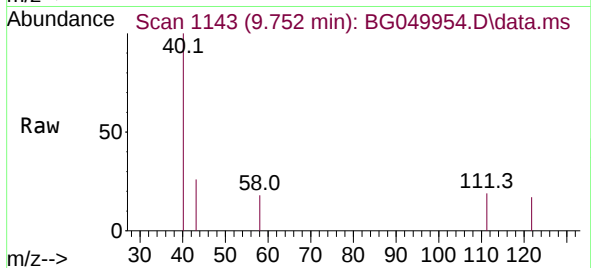




#32
Benzoic acid
Concen: 4.986 ng
RT: 9.752 min Scan# 1143
Delta R.T. -0.384 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

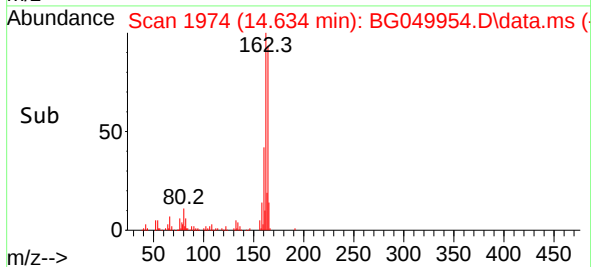
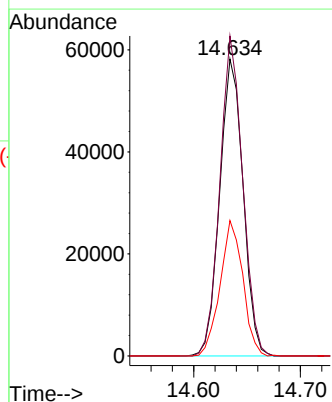
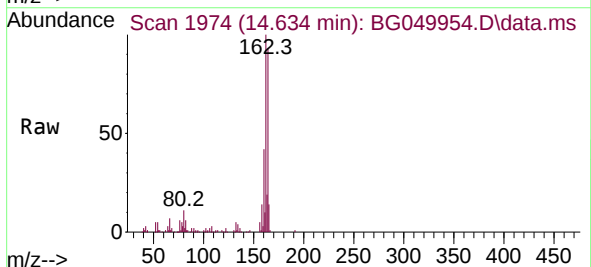
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0204

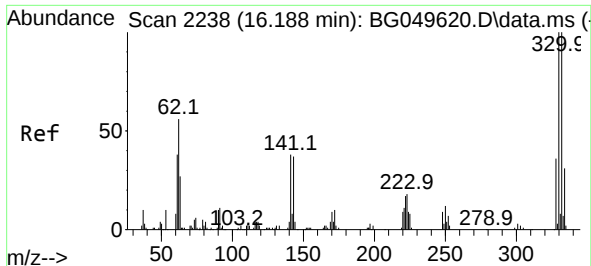
Tgt Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 0.0 92.3 132.3#
77 0.0 66.5 106.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.634 min Scan# 1974
Delta R.T. -0.014 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

Tgt Ion:164 Resp: 88553
Ion Ratio Lower Upper
164 100
162 107.8 81.4 122.0
160 45.6 34.9 52.3

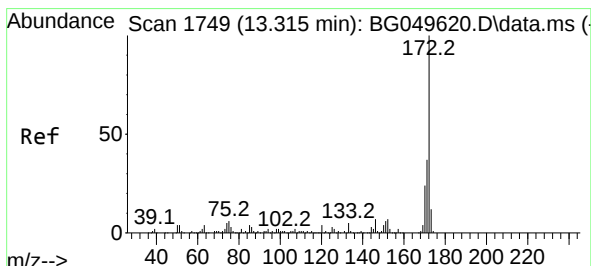
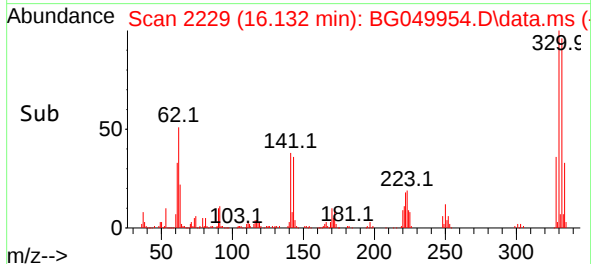
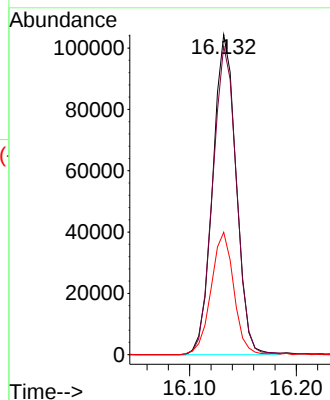
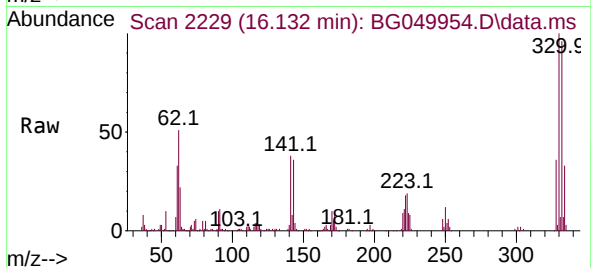




#42
2,4,6-Tribromophenol
Concen: 121.869 ng
RT: 16.132 min Scan# 2229
Delta R.T. -0.014 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

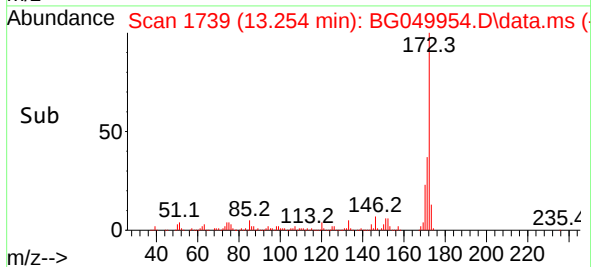
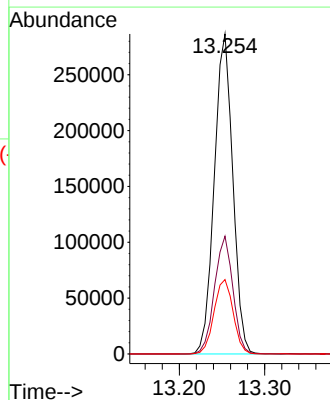
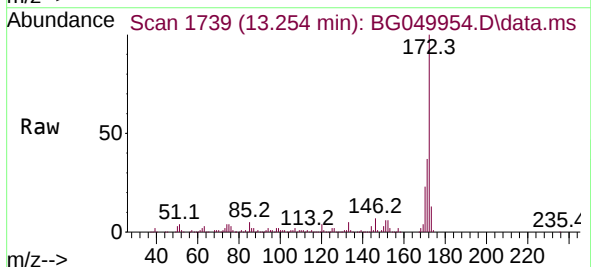
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0204

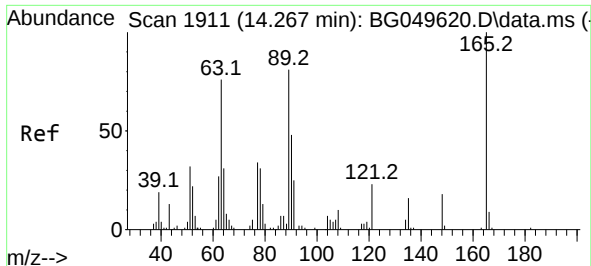
Tgt Ion:330 Resp: 158626
Ion Ratio Lower Upper
330 100
332 98.1 77.3 115.9
141 37.2 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 70.735 ng
RT: 13.254 min Scan# 1739
Delta R.T. -0.008 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

Tgt Ion:172 Resp: 430480
Ion Ratio Lower Upper
172 100
171 36.8 28.6 43.0
170 23.2 18.6 27.8

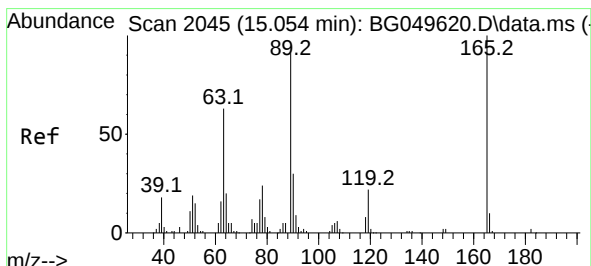
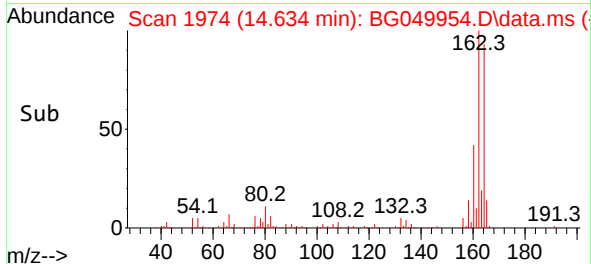
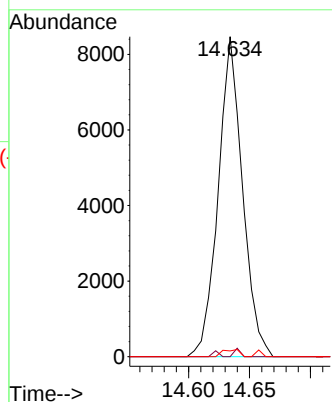
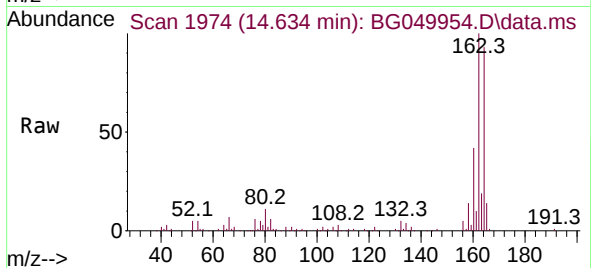




#51
2,6-Dinitrotoluene
Concen: 7.979 ng
RT: 14.634 min Scan# 1974
Delta R.T. 0.409 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

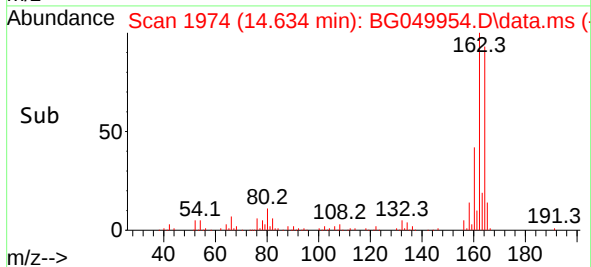
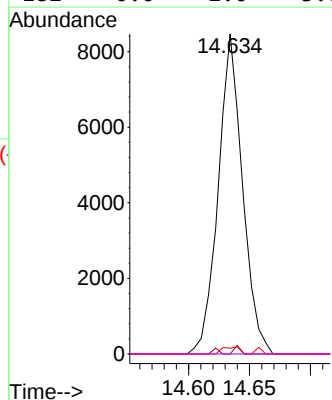
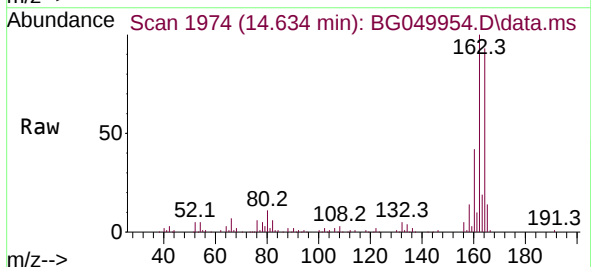
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0204

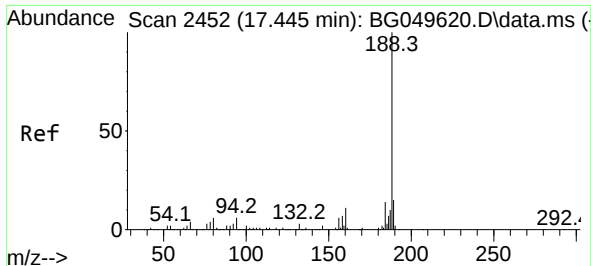
Tgt Ion:165 Resp: 11737
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 1.8 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 5.681 ng
RT: 14.634 min Scan# 1974
Delta R.T. -0.384 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

Tgt Ion:165 Resp: 11737
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 1.8 65.4 98.0#
182 0.0 2.0 3.0#

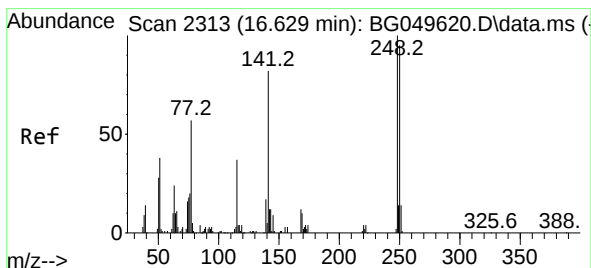
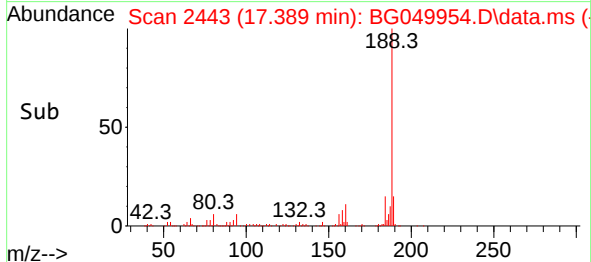
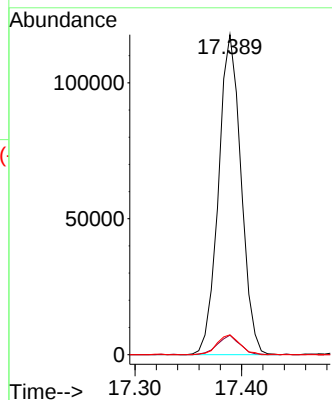
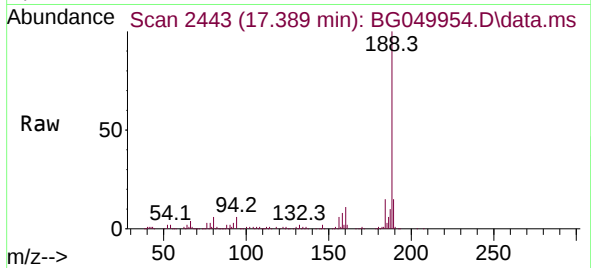




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.389 min Scan# 2443
Delta R.T. -0.014 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

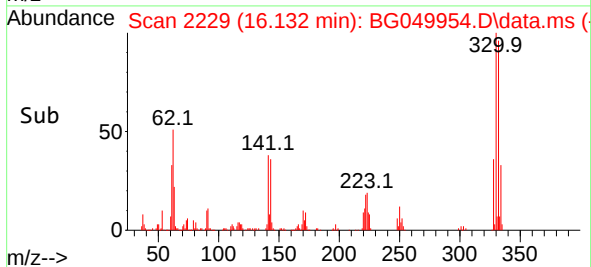
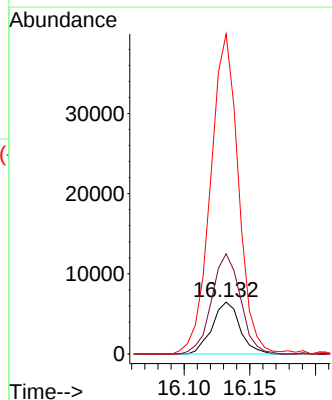
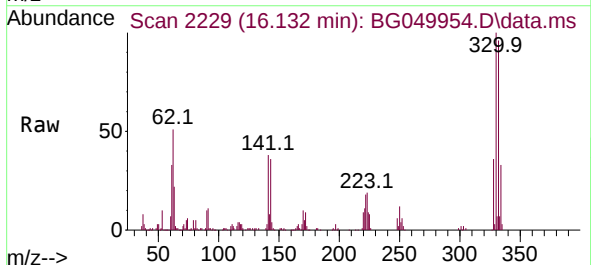
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0204

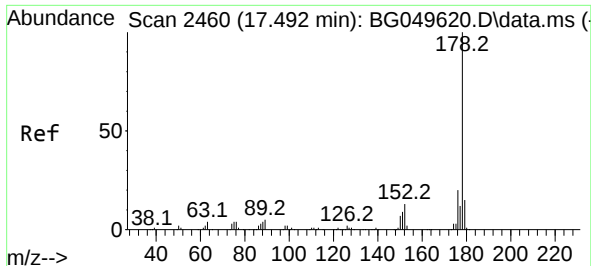
Tgt Ion:188 Resp: 172736
Ion Ratio Lower Upper
188 100
94 6.1 5.4 8.0
80 6.2 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 4.652 ng
RT: 16.132 min Scan# 2229
Delta R.T. -0.448 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

Tgt Ion:248 Resp: 9463
Ion Ratio Lower Upper
248 100
250 193.0 76.1 114.1#
141 616.7 65.4 98.2#

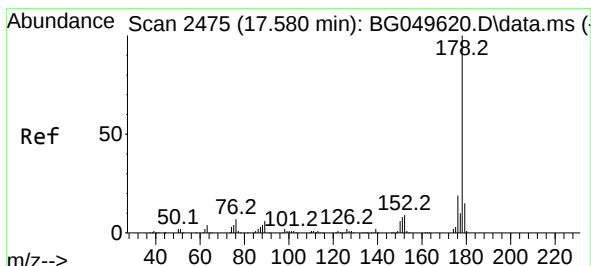
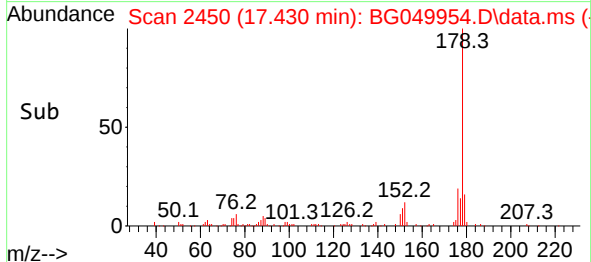
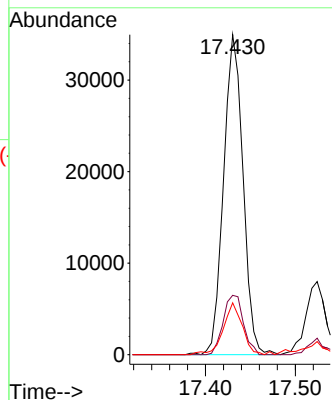
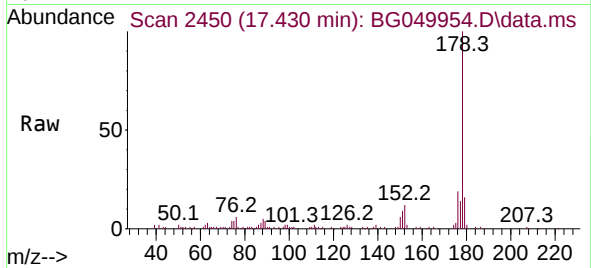




#71
Phenanthrene
Concen: 5.781 ng
RT: 17.430 min Scan# 2450
Delta R.T. -0.014 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

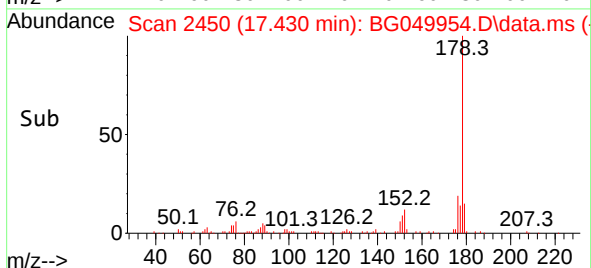
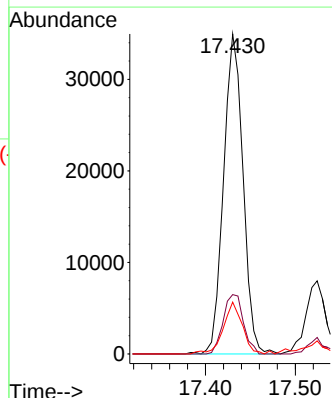
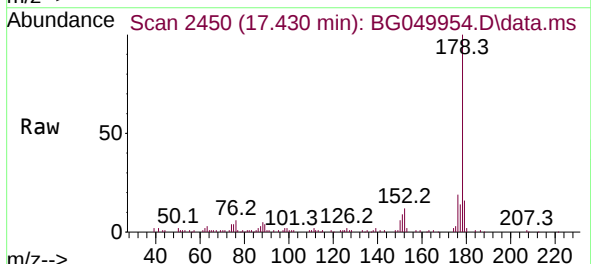
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0204

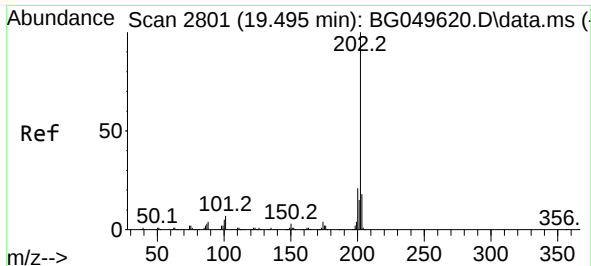
Tgt Ion:178 Resp: 52537
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 16.2 14.2 21.4



#72
Anthracene
Concen: 5.886 ng
RT: 17.430 min Scan# 2450
Delta R.T. -0.107 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

Tgt Ion:178 Resp: 52537
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 16.2 13.4 20.0

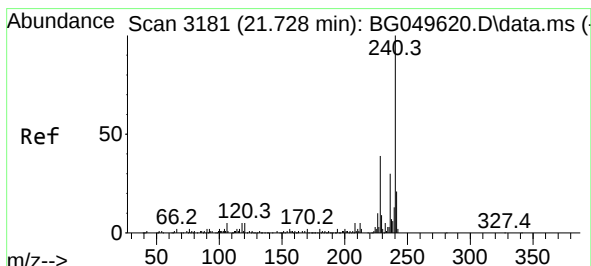
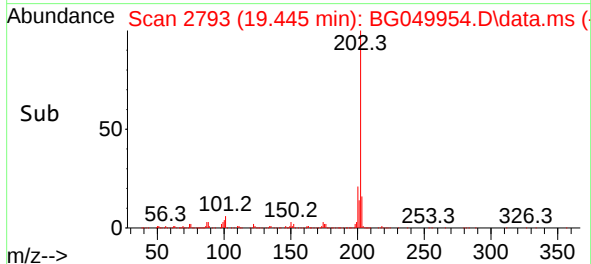
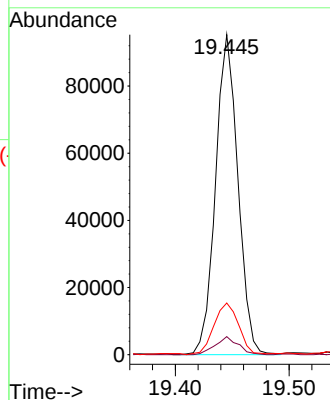
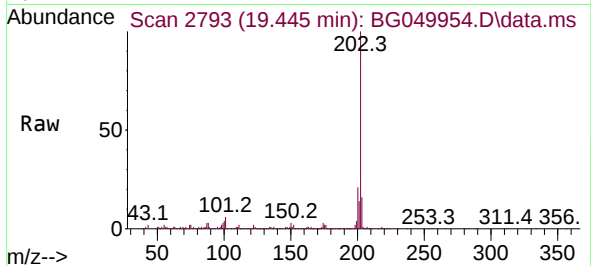




#75
Fluoranthene
Concen: 11.661 ng
RT: 19.445 min Scan# 2793
Delta R.T. -0.014 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

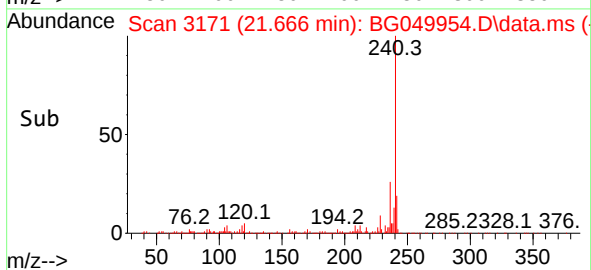
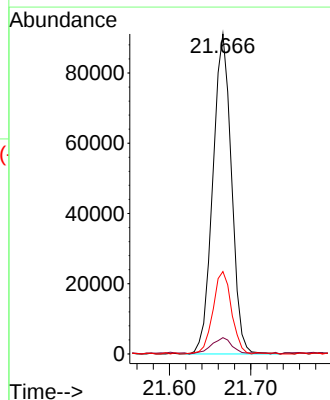
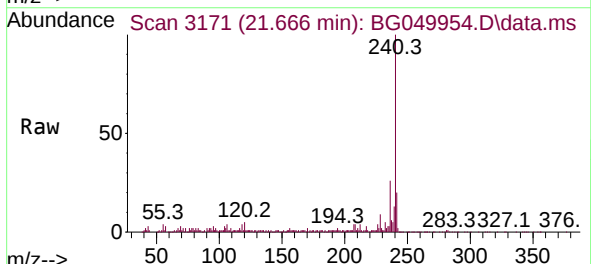
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0204

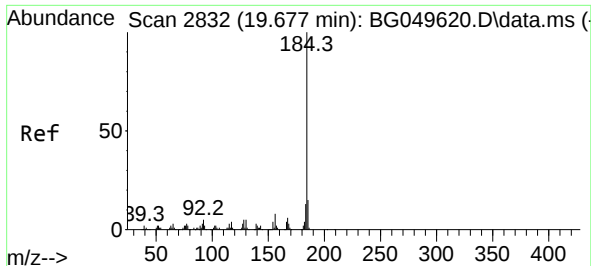
Tgt Ion:202	Resp:	130404
Ion Ratio	Lower	Upper
202	100	
101	5.6	0.0 24.7
203	16.2	0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3171
Delta R.T. -0.014 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

Tgt Ion:240	Resp:	144969
Ion Ratio	Lower	Upper
240	100	
120	5.1	4.2 6.2
236	25.8	21.8 32.6

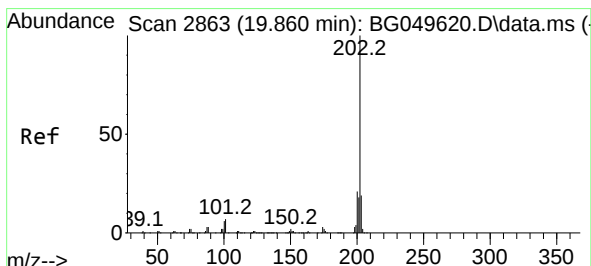
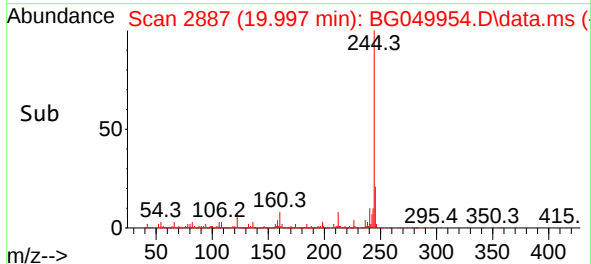
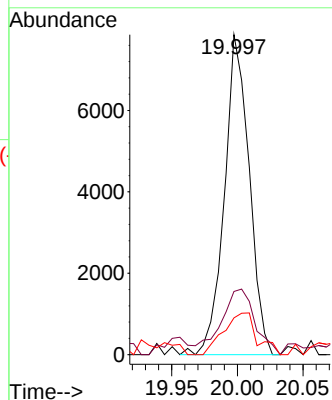
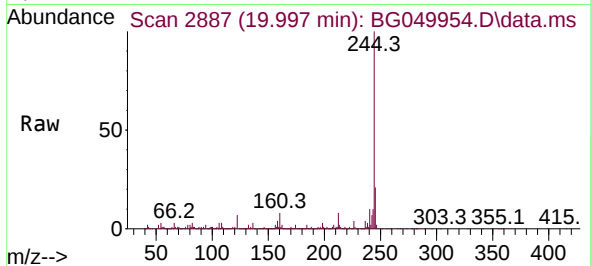




#77
Benzidine
Concen: 2.775 ng
RT: 19.997 min Scan# 2887
Delta R.T. 0.362 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

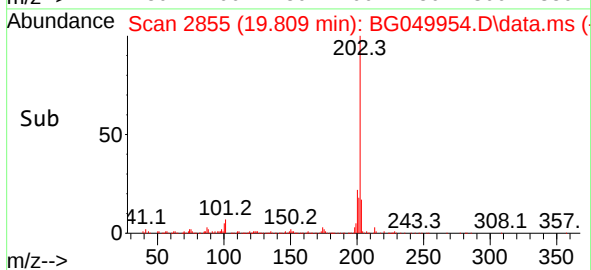
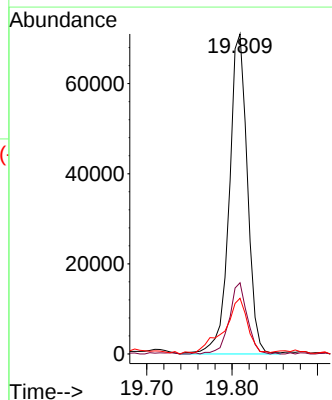
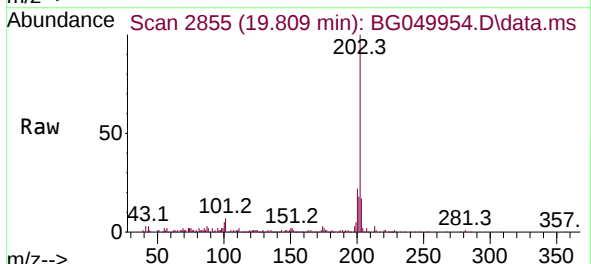
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0204

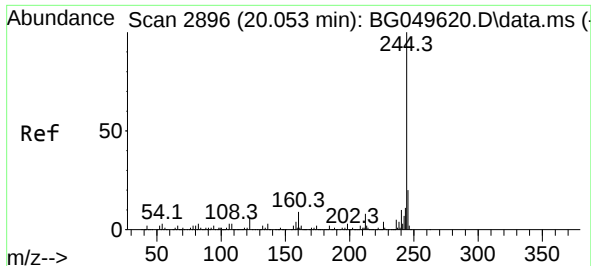
Tgt Ion:184 Resp: 10307
Ion Ratio Lower Upper
184 100
185 19.7 10.7 16.1#
183 11.5 9.4 14.0



#78
Pyrene
Concen: 10.603 ng
RT: 19.809 min Scan# 2855
Delta R.T. -0.008 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

Tgt Ion:202 Resp: 104789
Ion Ratio Lower Upper
202 100
200 22.2 15.8 23.8
203 17.4 14.6 21.8

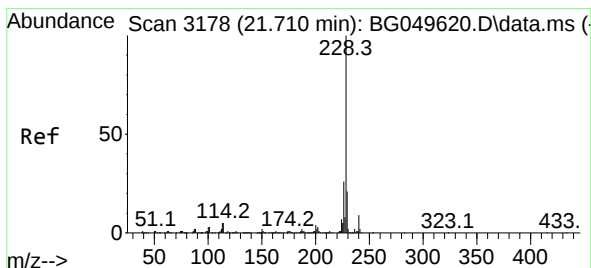
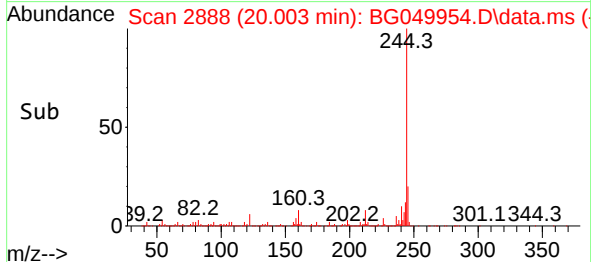
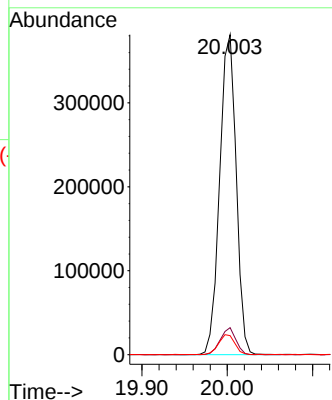
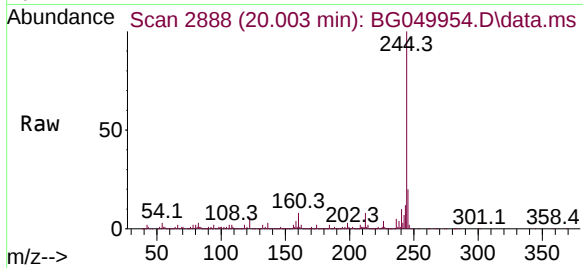




#79
 Terphenyl-d14
 Concen: 64.199 ng
 RT: 20.003 min Scan# 2888
 Delta R.T. -0.008 min
 Lab File: BG049954.D
 Acq: 24 Aug 2021 16:03

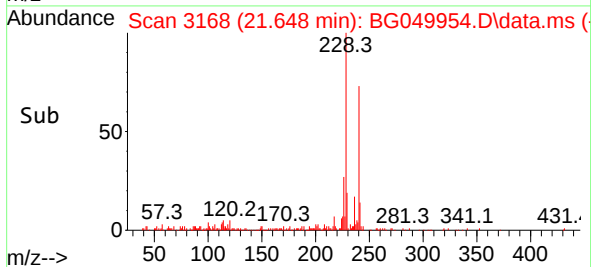
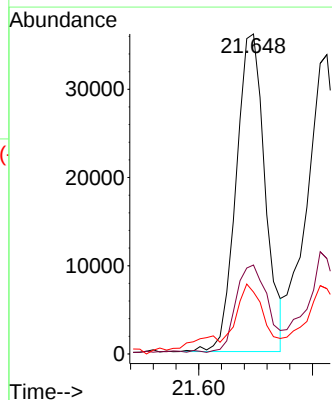
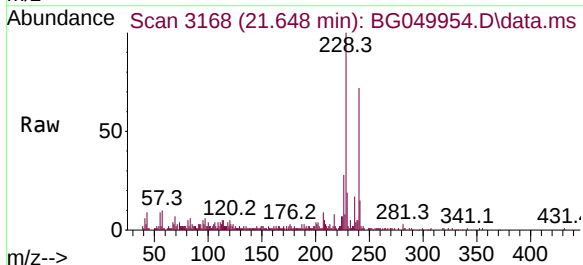
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-19-0204

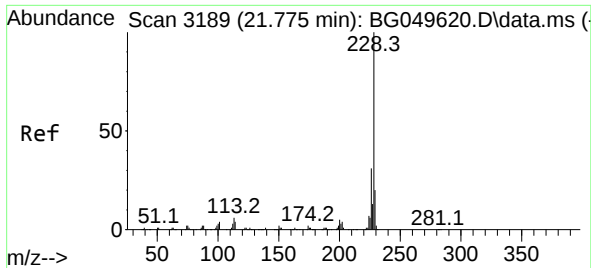
Tgt Ion:244	Resp: 512438
Ion Ratio	Lower Upper
244 100	
212 8.4	6.9 10.3
122 6.0	5.0 7.6



#81
 Benzo(a)anthracene
 Concen: 6.747 ng
 RT: 21.648 min Scan# 3168
 Delta R.T. -0.008 min
 Lab File: BG049954.D
 Acq: 24 Aug 2021 16:03

Tgt Ion:228	Resp: 63697
Ion Ratio	Lower Upper
228 100	
226 27.8	22.7 34.1
229 19.3	16.0 24.0

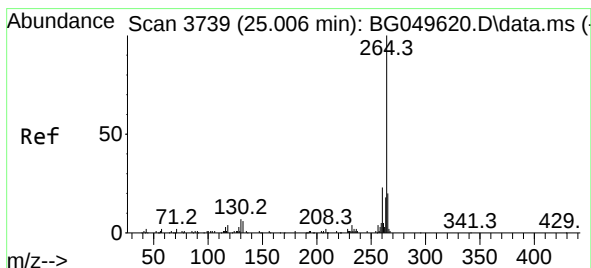
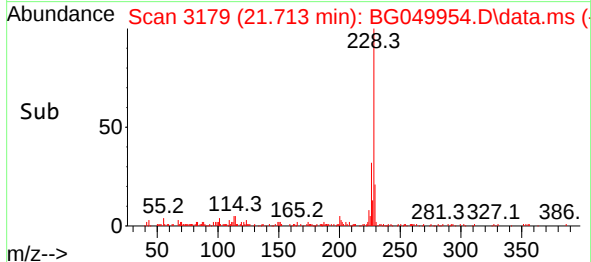
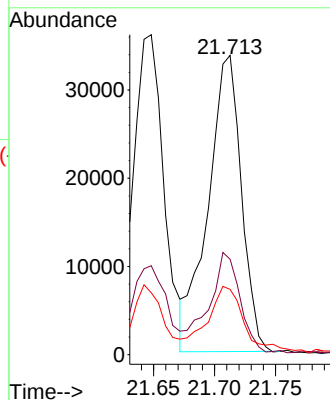
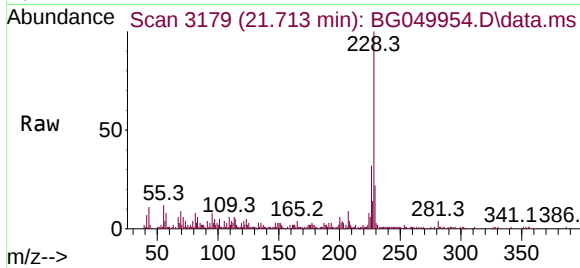




#83
Chrysene
Concen: 7.084 ng
RT: 21.713 min Scan# 3179
Delta R.T. -0.014 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

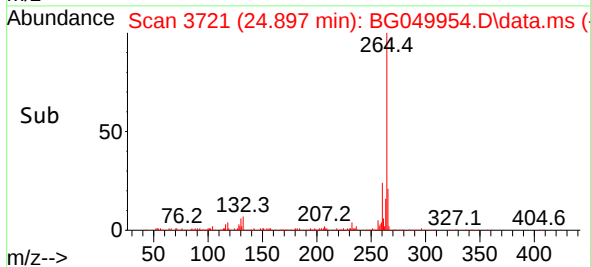
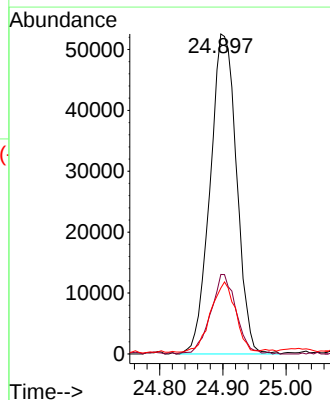
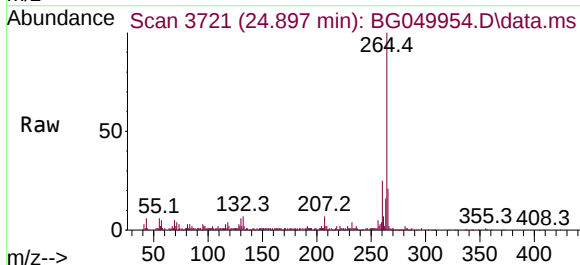
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0204

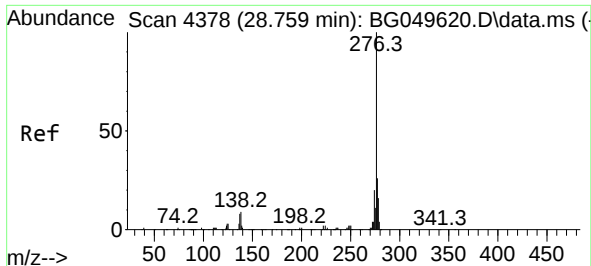
Tgt Ion:	228	Resp:	63928
Ion Ratio	Lower	Upper	
228	100		
226	31.9	23.1	34.7
229	21.8	15.3	22.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.897 min Scan# 3721
Delta R.T. -0.025 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

Tgt Ion:	264	Resp:	152689
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.4	29.2
265	20.6	16.9	25.3

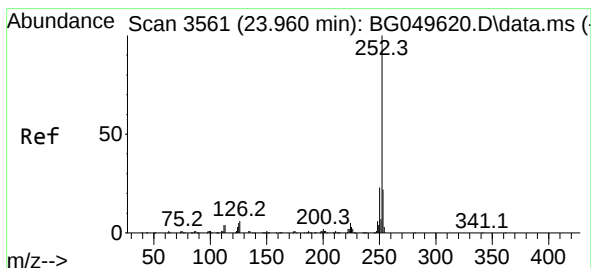
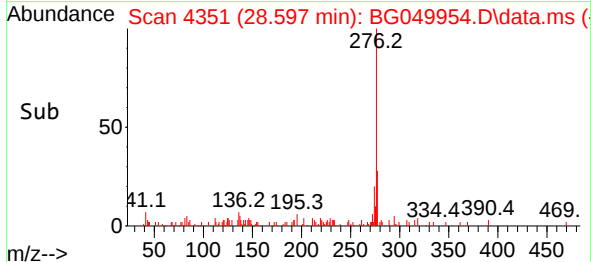
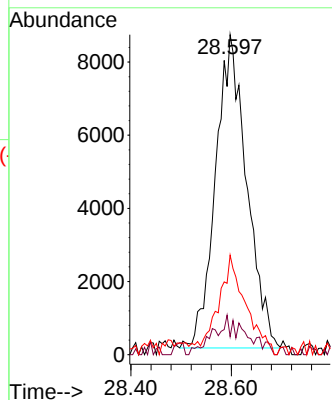
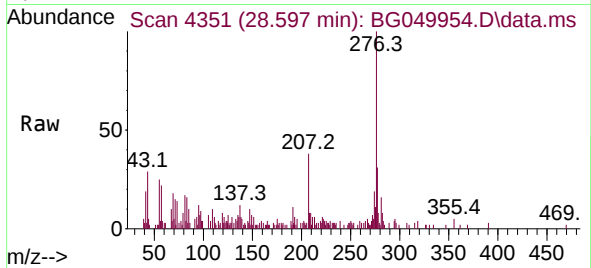




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.354 ng
 RT: 28.597 min Scan# 4351
 Delta R.T. -0.049 min
 Lab File: BG049954.D
 Acq: 24 Aug 2021 16:03

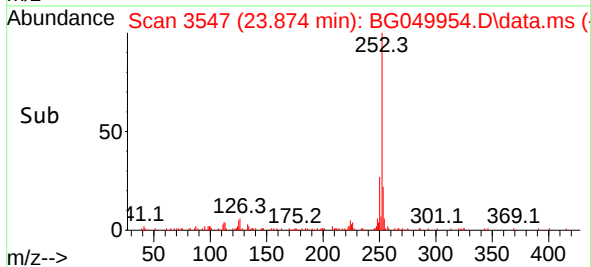
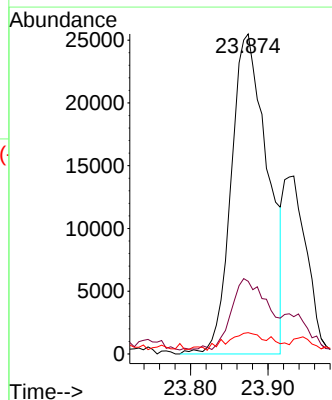
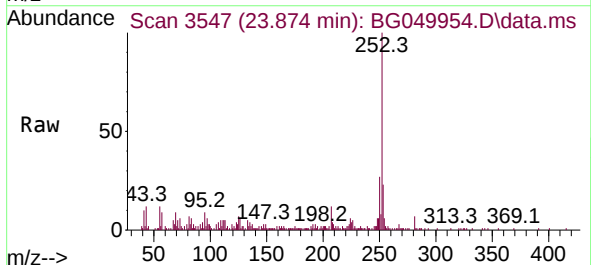
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-19-0204

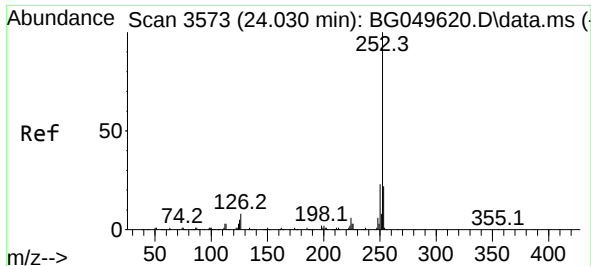
Tgt Ion:276 Resp: 36930
 Ion Ratio Lower Upper
 276 100
 138 1.6 5.1 7.7#
 277 27.6 19.8 29.6



#88
 Benzo(b)fluoranthene
 Concen: 8.299 ng
 RT: 23.874 min Scan# 3547
 Delta R.T. -0.019 min
 Lab File: BG049954.D
 Acq: 24 Aug 2021 16:03

Tgt Ion:252 Resp: 83105
 Ion Ratio Lower Upper
 252 100
 253 22.7 16.2 24.4
 125 6.7 3.0 4.4#

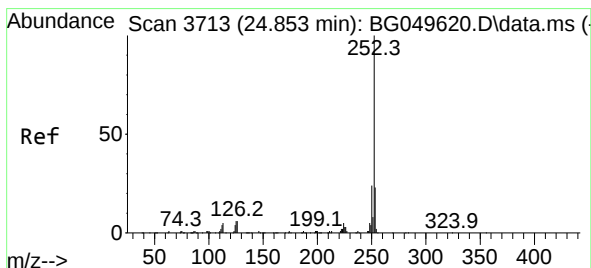
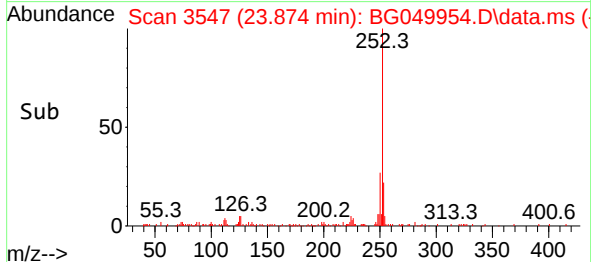
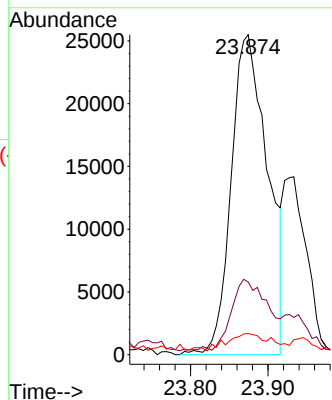
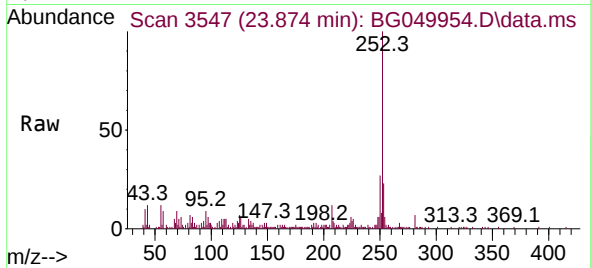




#89
Benzo(k)fluoranthene
Concen: 8.897 ng
RT: 23.874 min Scan# 3547
Delta R.T. -0.084 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

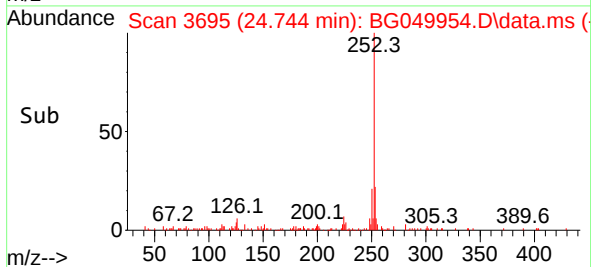
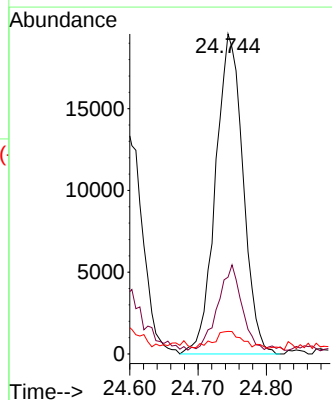
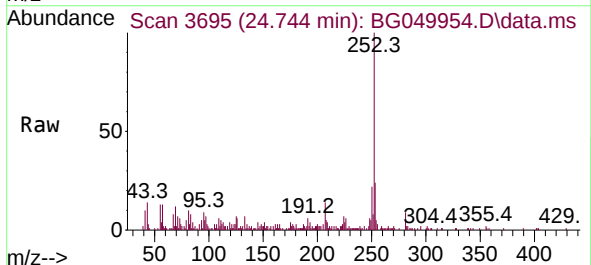
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0204

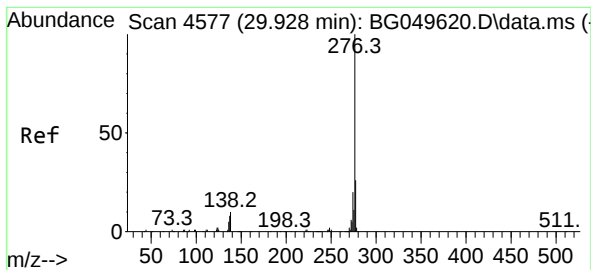
Tgt Ion:252 Resp: 83105
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 6.7 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 6.050 ng
RT: 24.744 min Scan# 3695
Delta R.T. -0.031 min
Lab File: BG049954.D
Acq: 24 Aug 2021 16:03

Tgt Ion:252 Resp: 54830
Ion Ratio Lower Upper
252 100
253 24.0 16.6 25.0
125 7.0 3.5 5.3#





#92
 Benzo(g,h,i)perylene
 Concen: 3.900 ng
 RT: 29.761 min Scan# 4549
 Delta R.T. -0.055 min
 Lab File: BG049954.D
 Acq: 24 Aug 2021 16:03

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-19-0204

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.7	18.4	27.6#
138	11.1	7.0	10.6#

