

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082421\
 Data File : BG049953.D
 Acq On : 24 Aug 2021 15:22
 Operator : CG/JU
 Sample : M3463-21
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-19-0002

Quant Time: Aug 25 01:07:19 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)

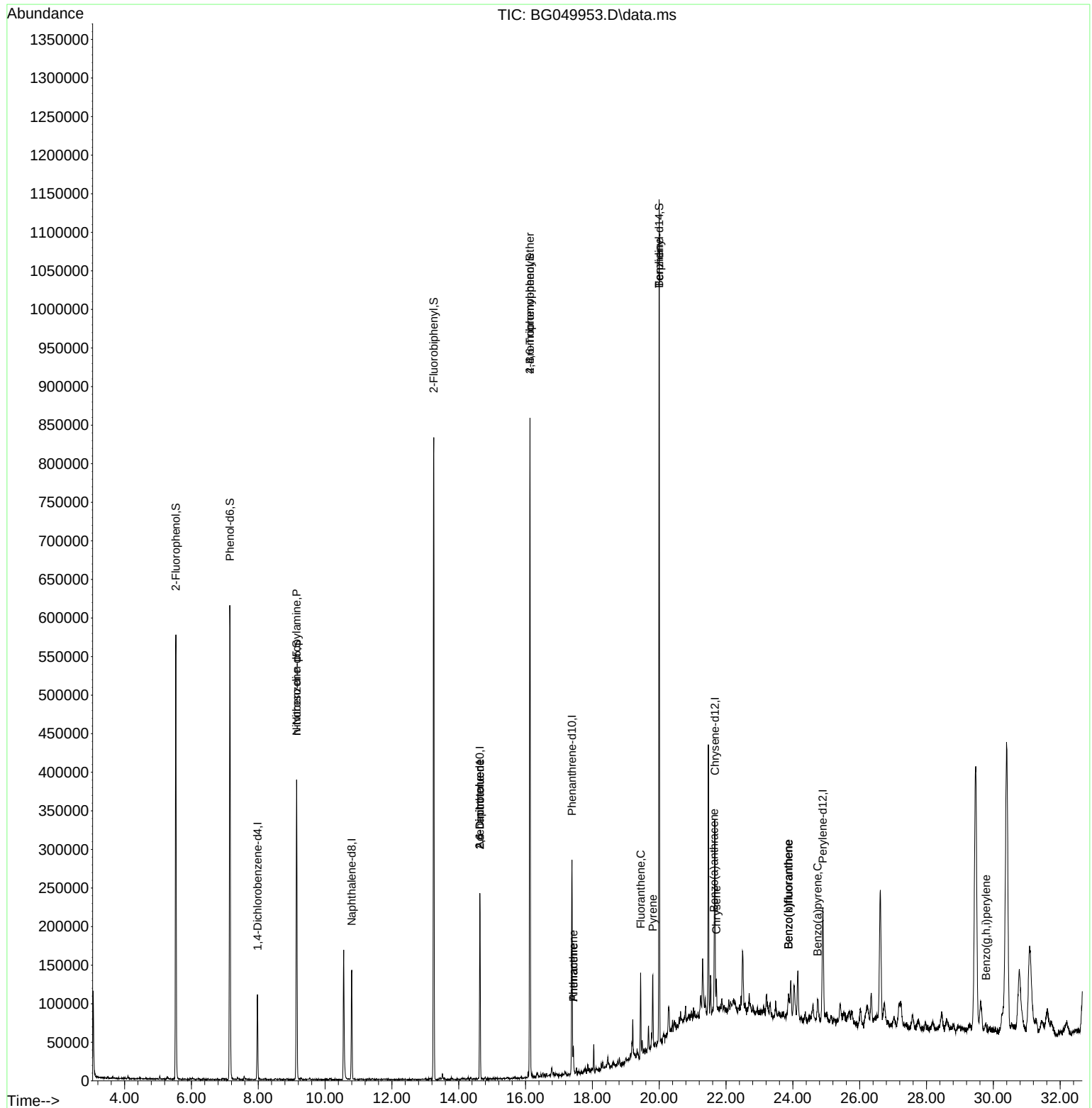
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.979	152	29405	20.000	ng	# 0.00
21) Naphthalene-d8	10.798	136	119831	20.000	ng	-0.01
39) Acenaphthene-d10	14.634	164	84699	20.000	ng	-0.01
64) Phenanthrene-d10	17.389	188	170737	20.000	ng	#-0.01
76) Chrysene-d12	21.666	240	142533	20.000	ng	-0.01
86) Perylene-d12	24.897	264	150281	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.535	112	242828	148.035	ng	0.00
7) Phenol-d6	7.150	99	339593	136.764	ng	0.00
23) Nitrobenzene-d5	9.148	82	239808	88.556	ng	-0.01
42) 2,4,6-Tribromophenol	16.132	330	170870	137.249	ng	-0.01
45) 2-Fluorobiphenyl	13.254	172	437192	75.107	ng	0.00
79) Terphenyl-d14	20.003	244	507473	64.664	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.148	70	37441	22.533	ng	# 70
51) 2,6-Dinitrotoluene	14.634	165	11355	8.070	ng	# 10
57) 2,4-Dinitrotoluene	14.634	165	11355	5.746	ng	# 15
67) 4-Bromophenyl-phenylether	16.132	248	10644	5.293	ng	# 1
71) Phenanthrene	17.430	178	21601	2.405	ng	95
72) Anthracene	17.430	178	21601	2.449	ng	98
75) Fluoranthene	19.445	202	66108	5.981	ng	97
77) Benzidine	20.003	184	10646	2.915	ng	96
78) Pyrene	19.810	202	58639	6.035	ng	98
81) Benzo(a)anthracene	21.642	228	28606	3.082	ng	97
83) Chrysene	21.713	228	29408	3.314	ng	95
88) Benzo(b)fluoranthene	23.869	252	37350	3.789	ng	# 90
89) Benzo(k)fluoranthene	23.869	252	37350	4.063	ng	# 94
90) Benzo(a)pyrene	24.744	252	27024	3.030	ng	# 91
92) Benzo(g,h,i)perylene	29.784	276	17999	2.012	ng	# 92

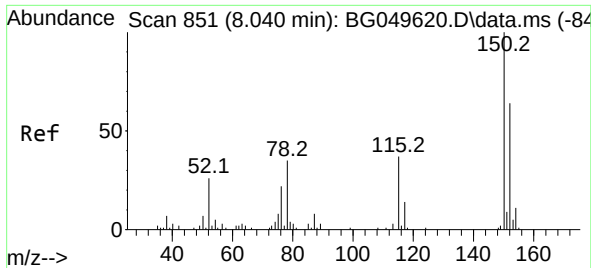
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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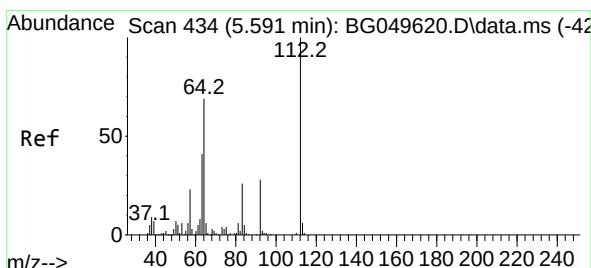
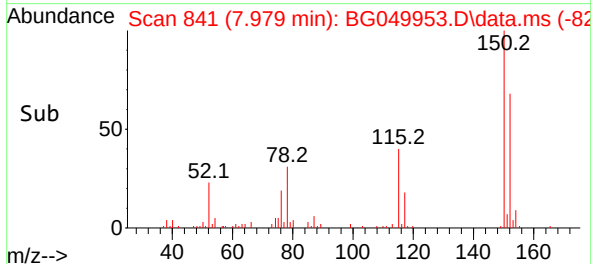
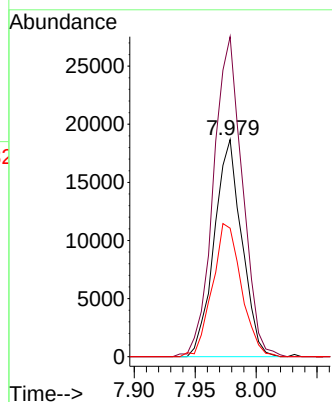
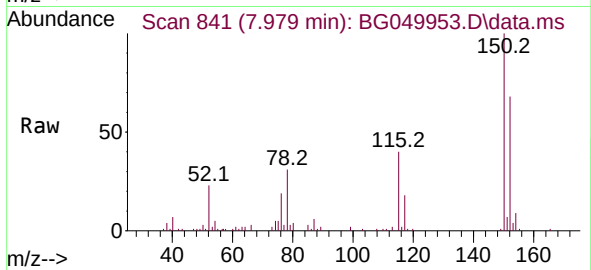




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.979 min Scan# 841
Delta R.T. -0.007 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

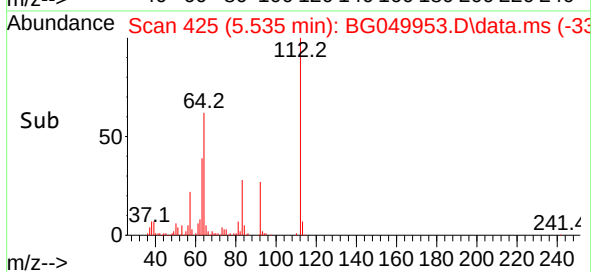
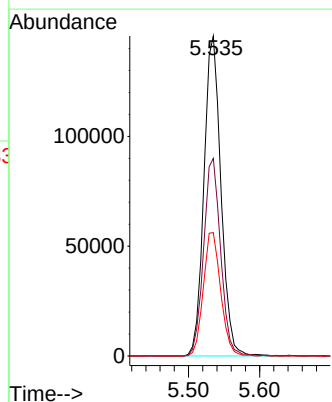
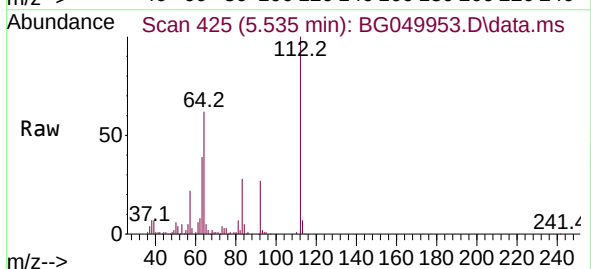
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0002

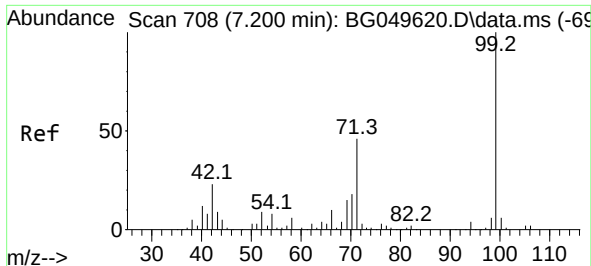
Tgt Ion:152 Resp: 29405
Ion Ratio Lower Upper
152 100
150 147.4 119.4 179.0
115 59.2 60.2 90.4#



#5
2-Fluorophenol
Concen: 148.035 ng
RT: 5.535 min Scan# 425
Delta R.T. -0.001 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

Tgt Ion:112 Resp: 242828
Ion Ratio Lower Upper
112 100
64 61.7 46.7 70.1
63 38.5 35.3 52.9

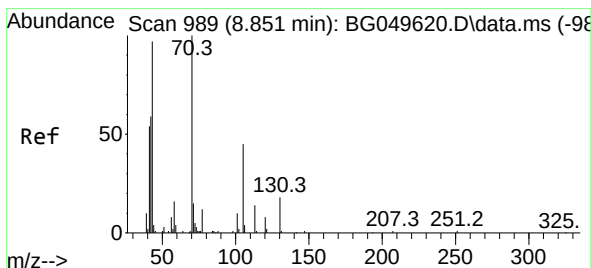
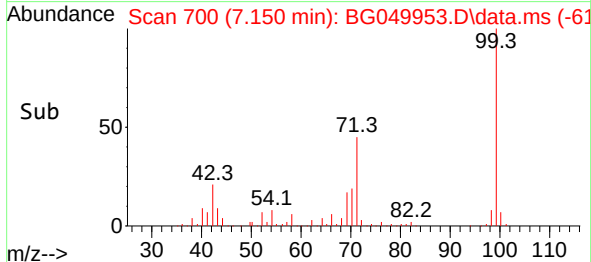
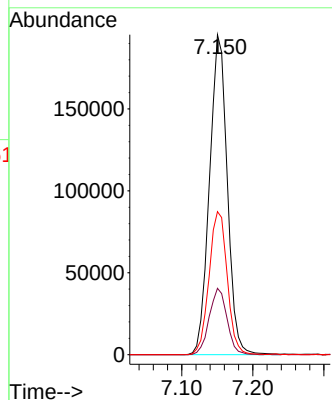
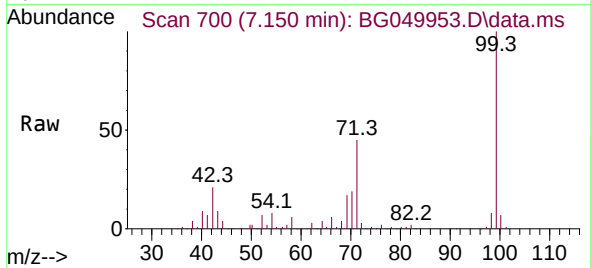




#7
Phenol-d6
Concen: 136.764 ng
RT: 7.150 min Scan# 700
Delta R.T. -0.007 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

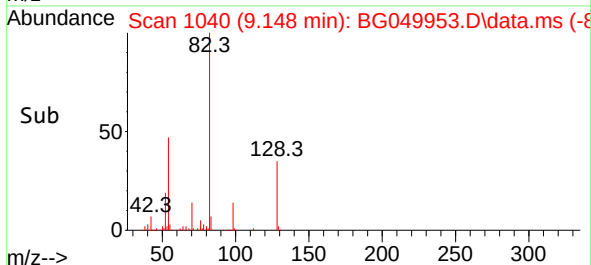
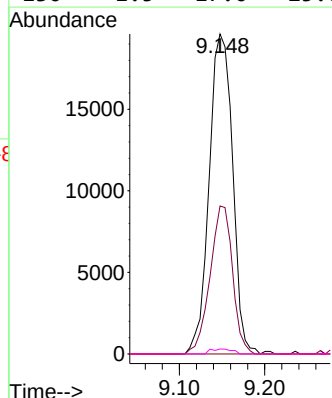
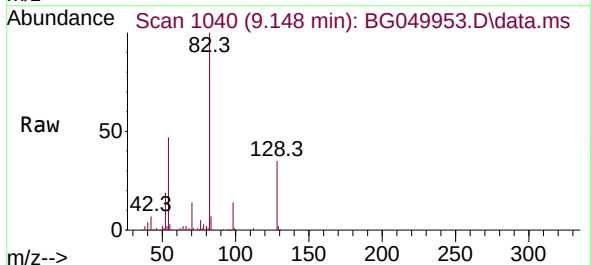
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0002

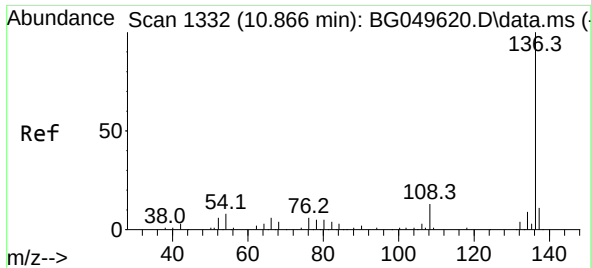
Tgt Ion: 99 Resp: 339593
Ion Ratio Lower Upper
99 100
42 20.8 20.5 30.7
71 44.7 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 22.533 ng
RT: 9.148 min Scan# 1040
Delta R.T. 0.351 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

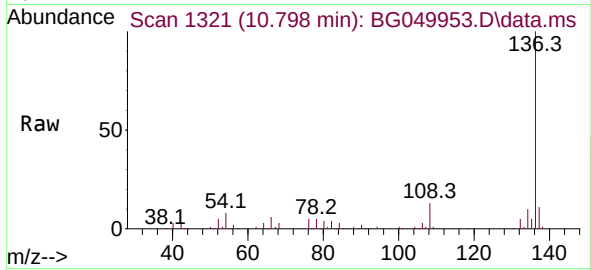
Tgt Ion: 70 Resp: 37441
Ion Ratio Lower Upper
70 100
42 46.2 54.5 81.7#
101 0.0 9.0 13.6#
130 1.5 17.0 25.6#



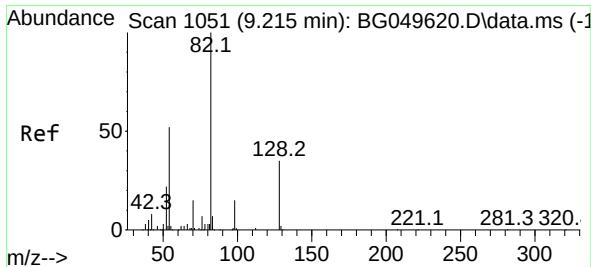
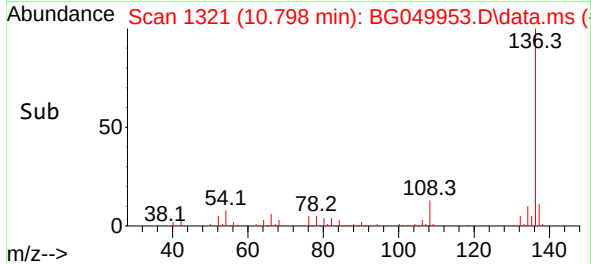
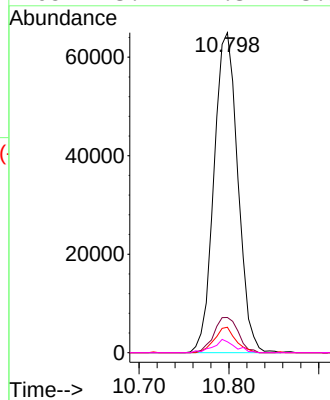


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.798 min Scan# 1321
Delta R.T. -0.013 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

Instrument :
BNA_G
ClientSampleId :
SWCS-19-0002

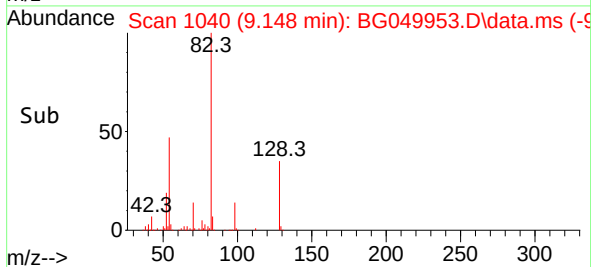
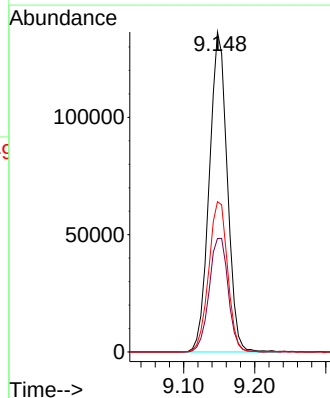
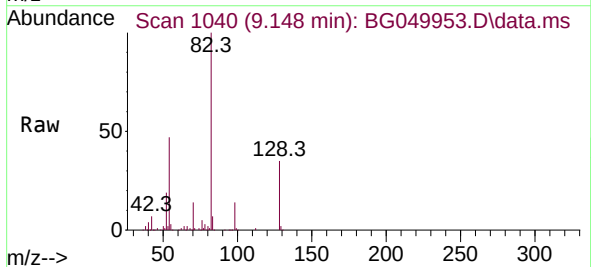


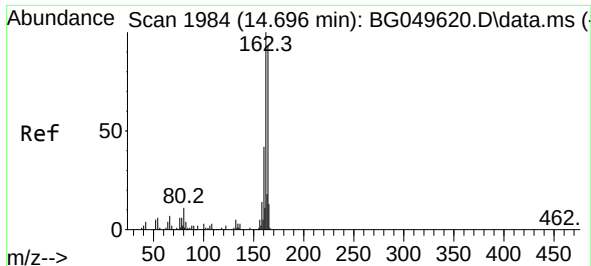
Tgt Ion:	136	Resp:	119831
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.2	12.2
54	8.0	5.5	8.3
68	3.4	2.3	3.5



#23
Nitrobenzene-d5
Concen: 88.556 ng
RT: 9.148 min Scan# 1040
Delta R.T. -0.013 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

Tgt Ion:	82	Resp:	239808
Ion Ratio	Lower	Upper	
82	100		
128	35.5	29.8	44.6
54	47.0	45.8	68.8

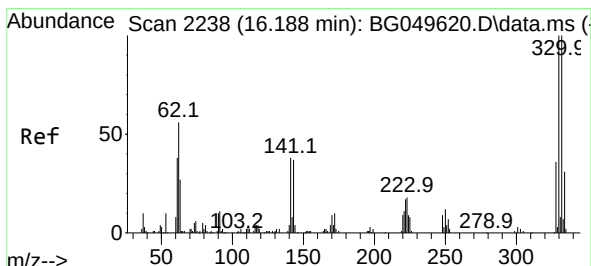
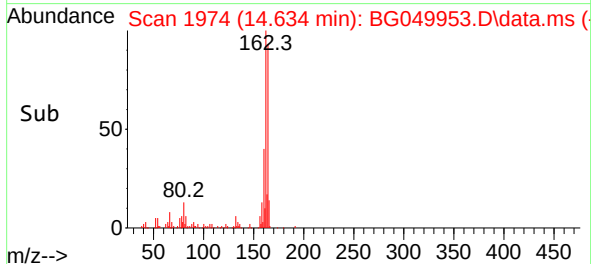
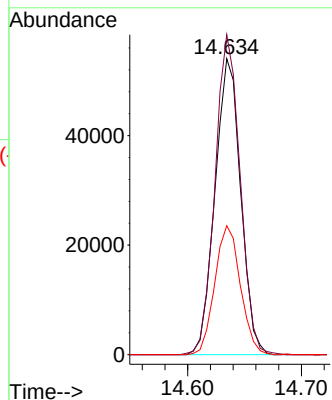
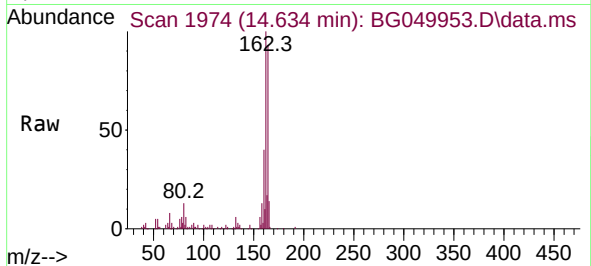




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.634 min Scan# 1974
Delta R.T. -0.013 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

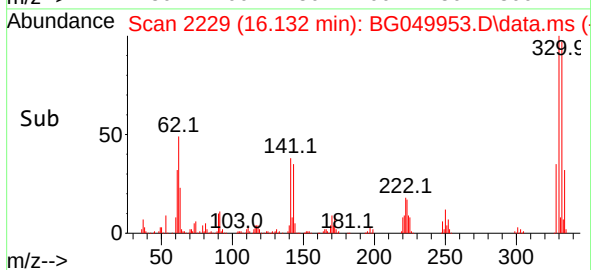
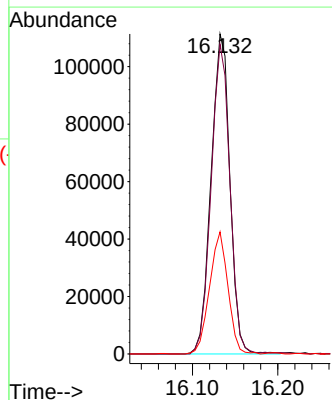
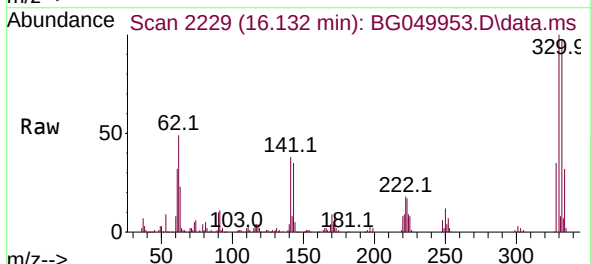
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0002

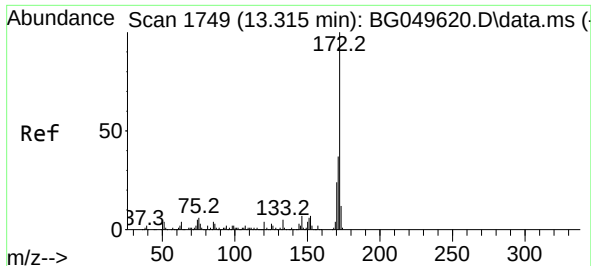
Tgt Ion:	164	Resp:	84699
Ion Ratio	Lower	Upper	
164	100		
162	108.1	81.4	122.0
160	43.5	34.9	52.3



#42
2,4,6-Tribromophenol
Concen: 137.249 ng
RT: 16.132 min Scan# 2229
Delta R.T. -0.013 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

Tgt Ion:	330	Resp:	170870
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.3	115.9
141	37.3	35.6	53.4

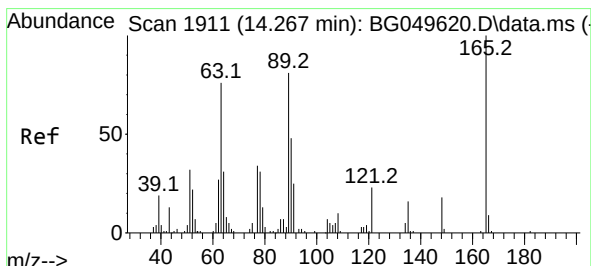
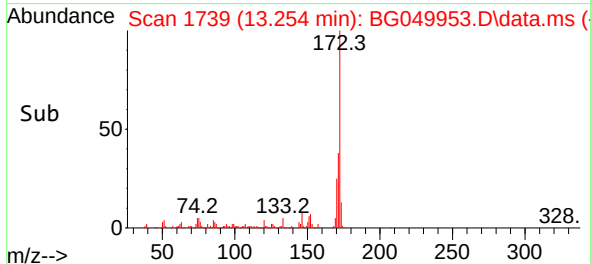
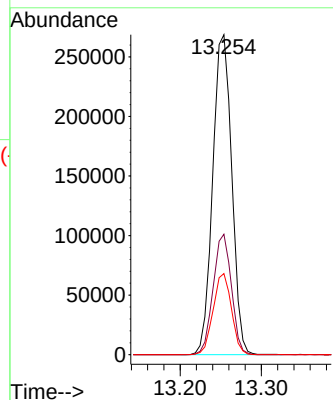
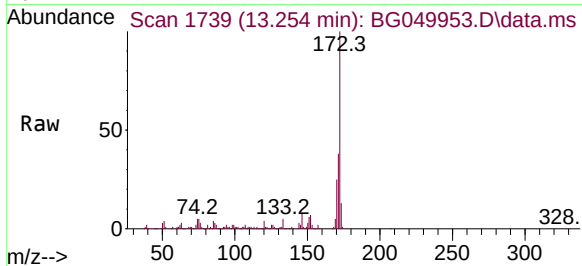




#45
2-Fluorobiphenyl
Concen: 75.107 ng
RT: 13.254 min Scan# 1739
Delta R.T. -0.007 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

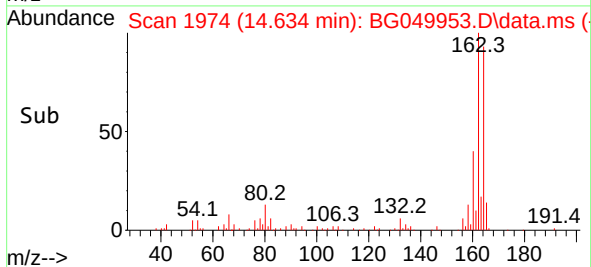
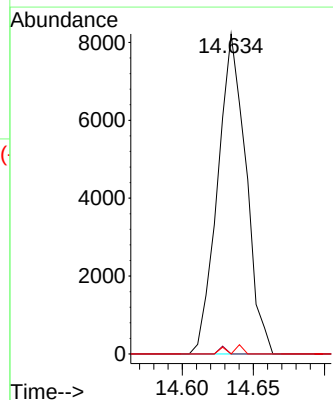
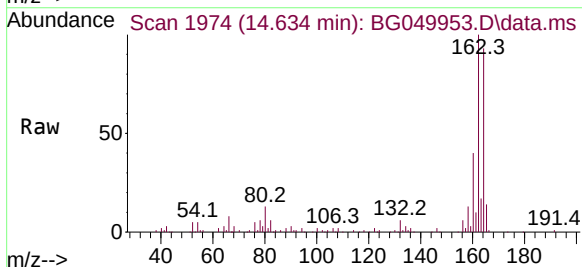
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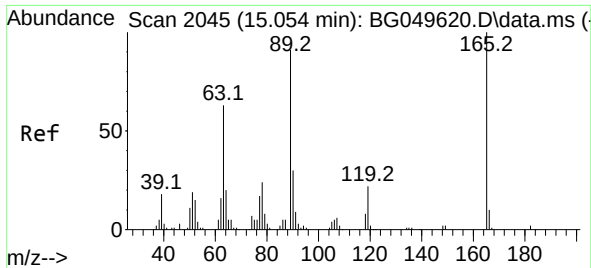
Tgt Ion:172 Resp: 437192
Ion Ratio Lower Upper
172 100
171 37.7 28.6 43.0
170 25.4 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.070 ng
RT: 14.634 min Scan# 1974
Delta R.T. 0.410 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

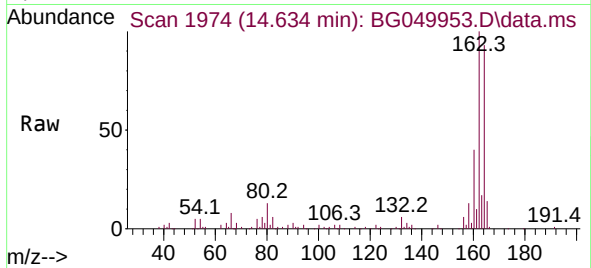
Tgt Ion:165 Resp: 11355
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 0.0 63.4 95.0#



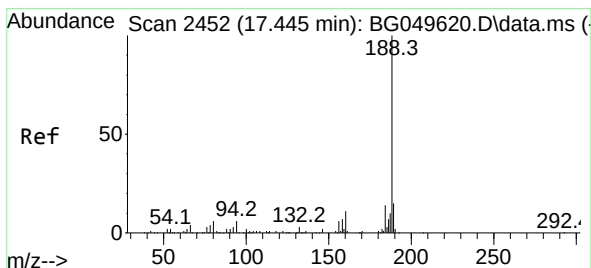
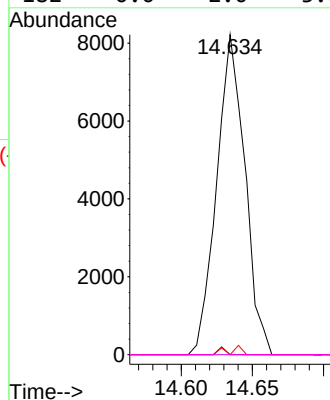
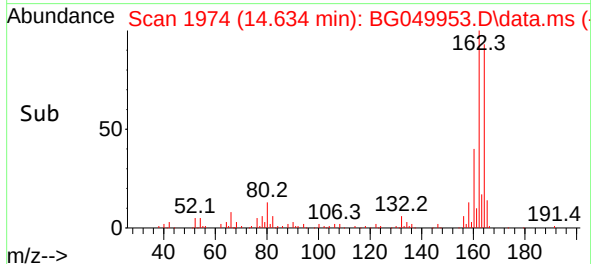


#57
2,4-Dinitrotoluene
Concen: 5.746 ng
RT: 14.634 min Scan# 1974
Delta R.T. -0.383 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

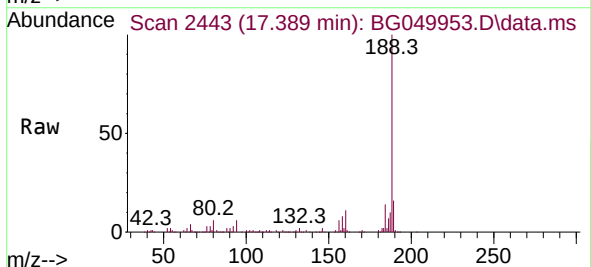
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0002



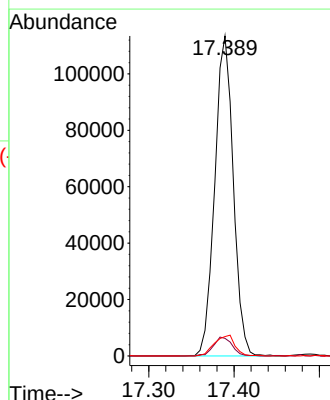
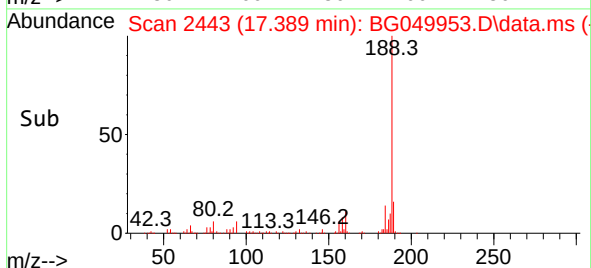
Tgt Ion:165 Resp: 11355
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#

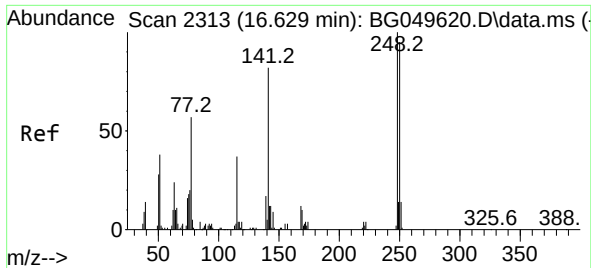


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.389 min Scan# 2443
Delta R.T. -0.013 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22



Tgt Ion:188 Resp: 170737
Ion Ratio Lower Upper
188 100
94 5.5 5.4 8.0
80 6.0 3.7 5.5#

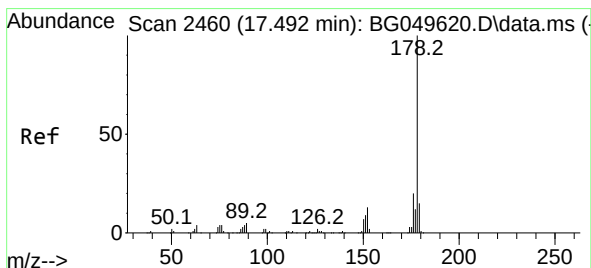
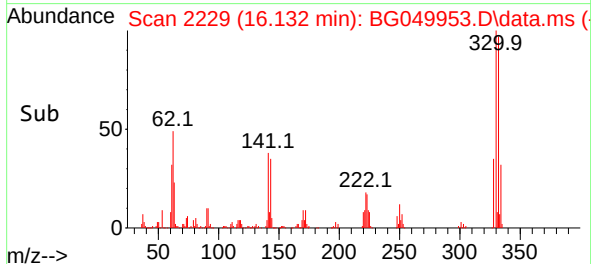
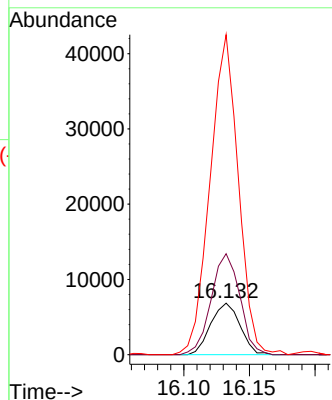
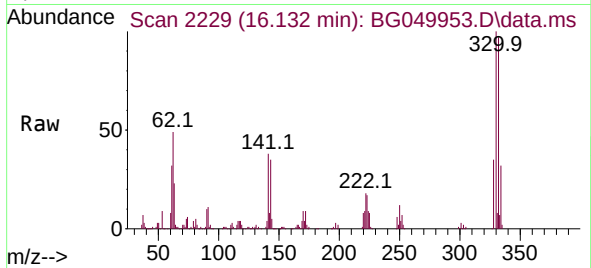




#67
4-Bromophenyl-phenylether
Concen: 5.293 ng
RT: 16.132 min Scan# 2229
Delta R.T. -0.448 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

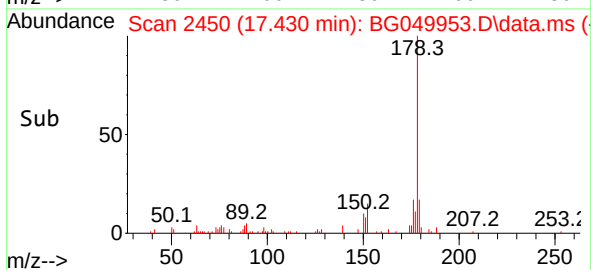
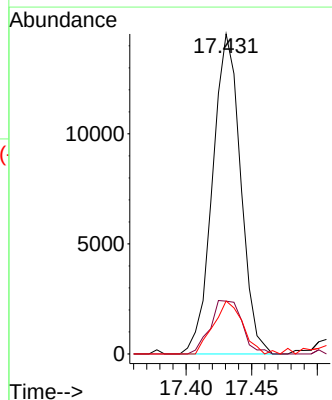
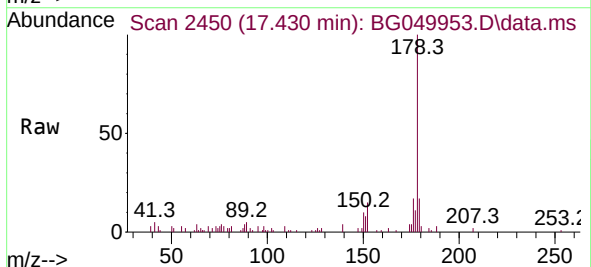
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0002

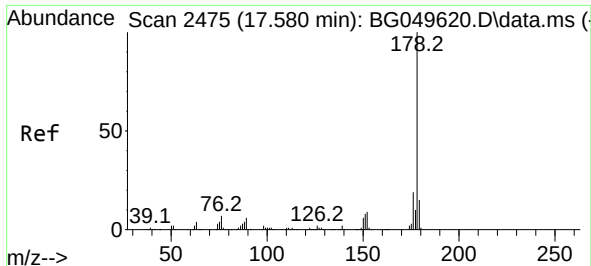
Tgt Ion:248 Resp: 10644
Ion Ratio Lower Upper
248 100
250 195.7 76.1 114.1#
141 620.7 65.4 98.2#



#71
Phenanthrene
Concen: 2.405 ng
RT: 17.430 min Scan# 2450
Delta R.T. -0.013 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

Tgt Ion:178 Resp: 21601
Ion Ratio Lower Upper
178 100
176 16.5 16.0 24.0
179 16.6 14.2 21.4

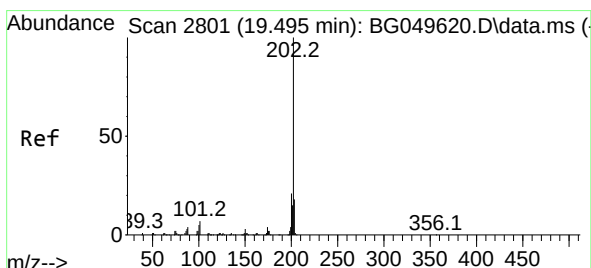
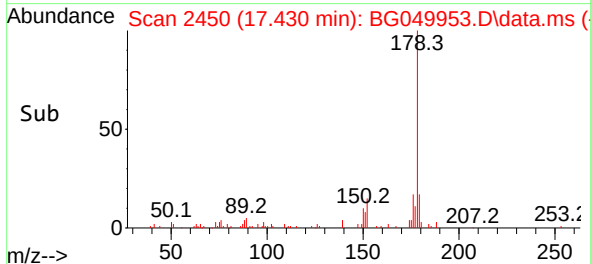
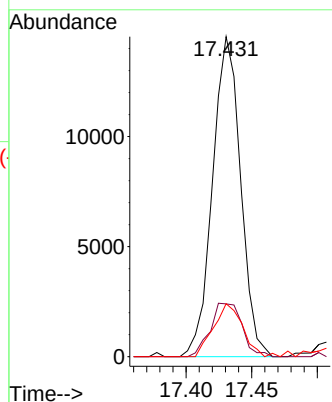
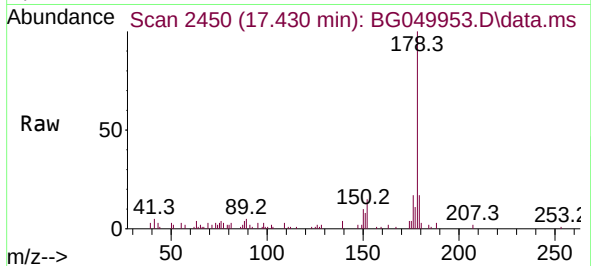




#72
 Anthracene
 Concen: 2.449 ng
 RT: 17.430 min Scan# 2450
 Delta R.T. -0.107 min
 Lab File: BG049953.D
 Acq: 24 Aug 2021 15:22

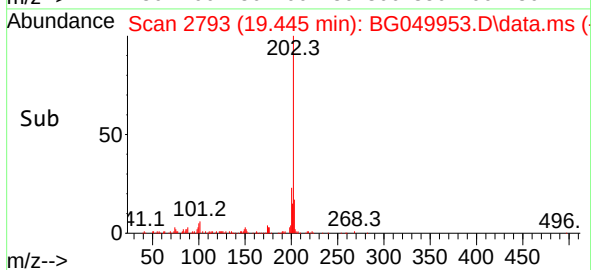
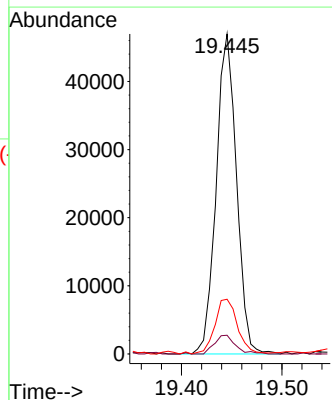
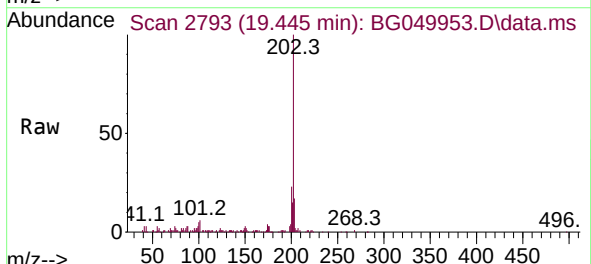
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-19-0002

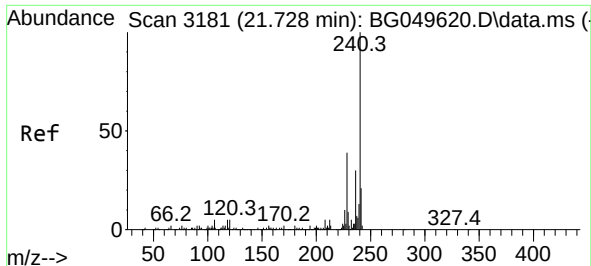
Tgt Ion:	178	Resp:	21601
Ion Ratio	Lower	Upper	
178	100		
176	16.5	14.6	21.8
179	16.6	13.4	20.0



#75
 Fluoranthene
 Concen: 5.981 ng
 RT: 19.445 min Scan# 2793
 Delta R.T. -0.013 min
 Lab File: BG049953.D
 Acq: 24 Aug 2021 15:22

Tgt Ion:	202	Resp:	66108
Ion Ratio	Lower	Upper	
202	100		
101	5.8	0.0	24.7
203	17.1	0.0	38.5

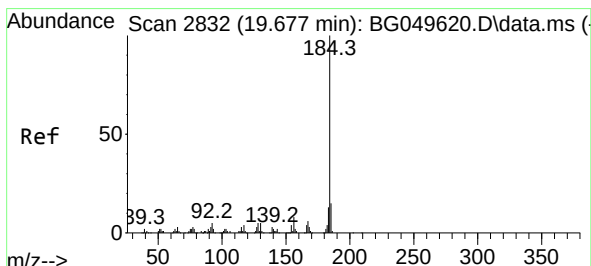
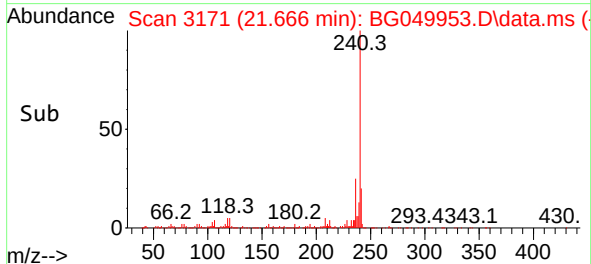
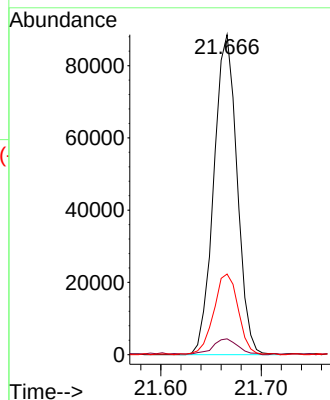
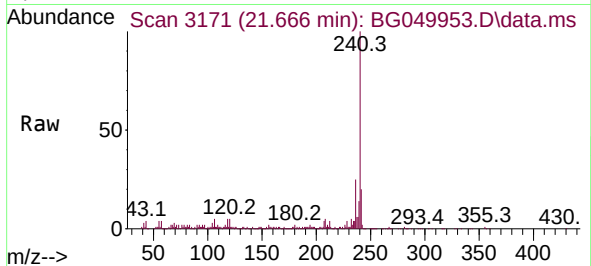




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.666 min Scan# 3171
Delta R.T. -0.013 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

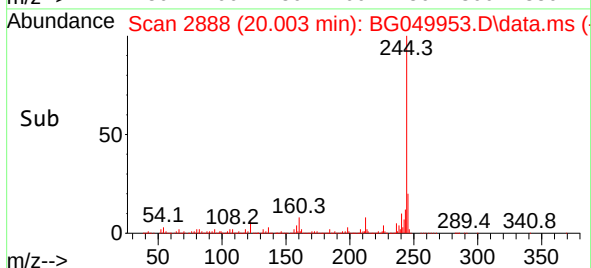
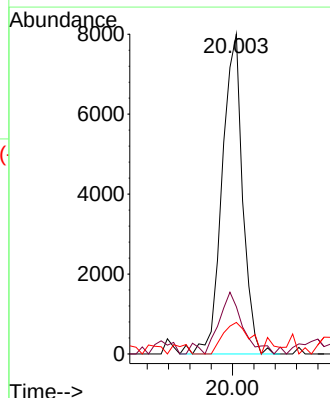
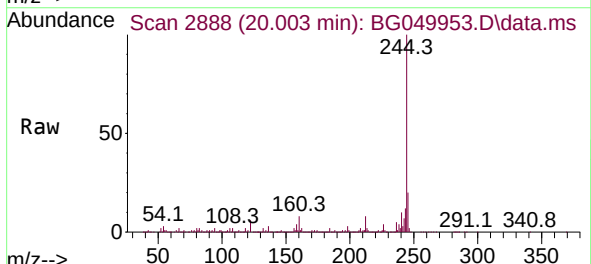
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0002

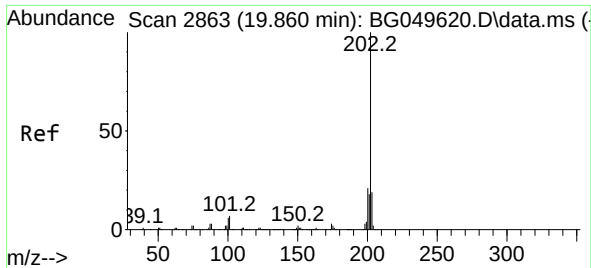
Tgt Ion:240 Resp: 142533
Ion Ratio Lower Upper
240 100
120 4.9 4.2 6.2
236 25.2 21.8 32.6



#77
Benzidine
Concen: 2.915 ng
RT: 20.003 min Scan# 2888
Delta R.T. 0.369 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

Tgt Ion:184 Resp: 10646
Ion Ratio Lower Upper
184 100
185 14.7 10.7 16.1
183 9.8 9.4 14.0

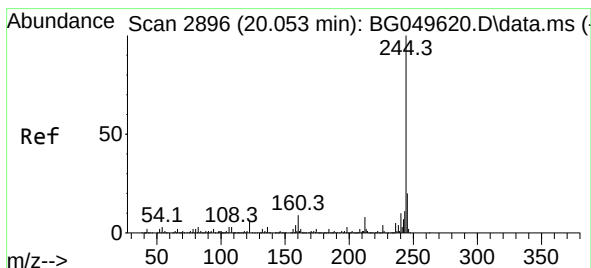
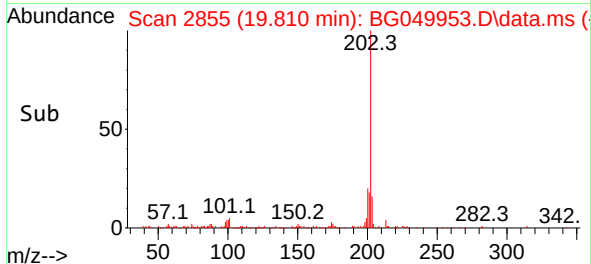
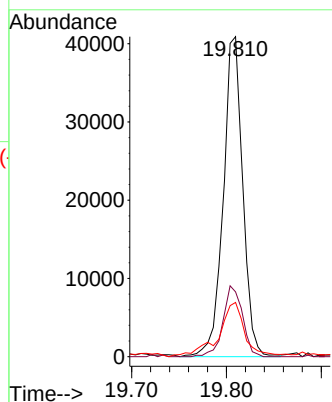
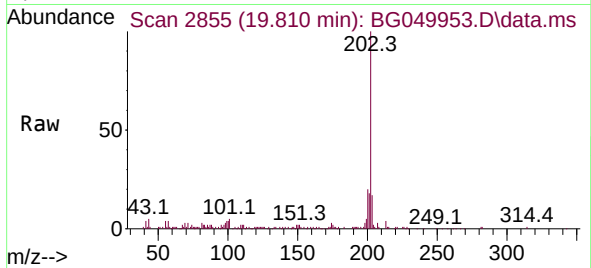




#78
 Pyrene
 Concen: 6.035 ng
 RT: 19.810 min Scan# 2855
 Delta R.T. -0.007 min
 Lab File: BG049953.D
 Acq: 24 Aug 2021 15:22

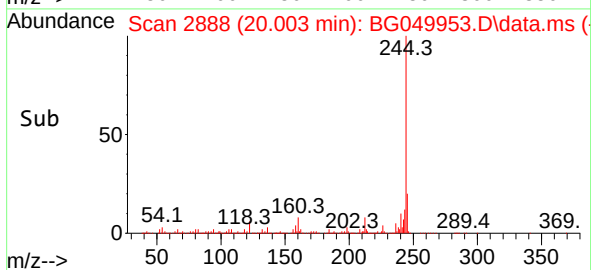
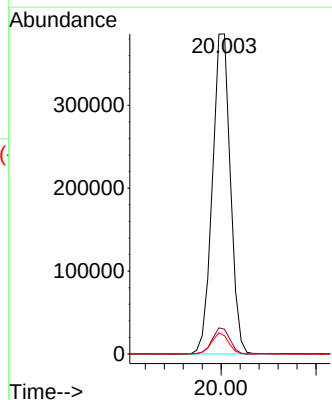
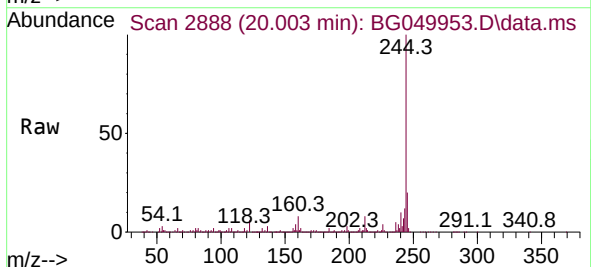
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-19-0002

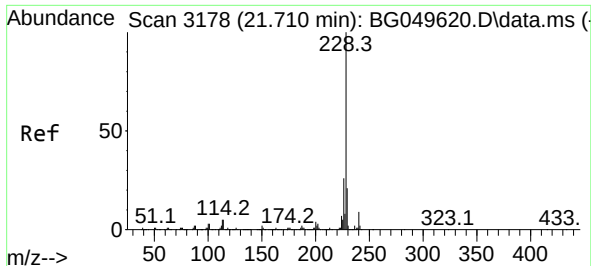
Tgt Ion:202	Resp:	58639
Ion Ratio	Lower	Upper
202	100	
200	20.2	15.8 23.8
203	17.0	14.6 21.8



#79
 Terphenyl-d14
 Concen: 64.664 ng
 RT: 20.003 min Scan# 2888
 Delta R.T. -0.007 min
 Lab File: BG049953.D
 Acq: 24 Aug 2021 15:22

Tgt Ion:244	Resp:	507473
Ion Ratio	Lower	Upper
244	100	
212	7.8	6.9 10.3
122	5.7	5.0 7.6

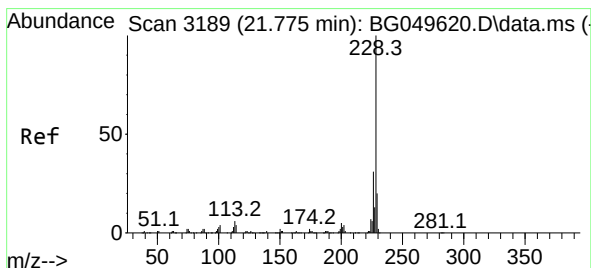
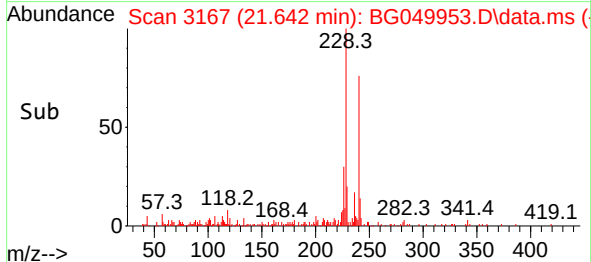
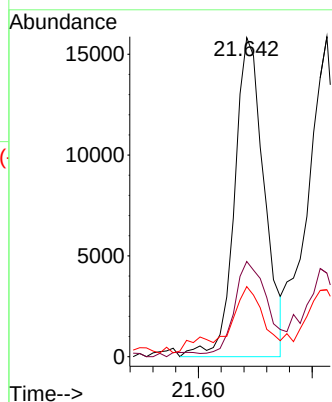
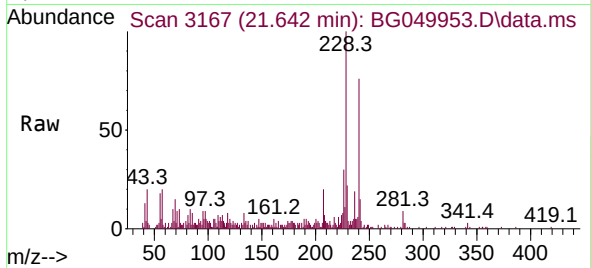




#81
Benzo(a)anthracene
Concen: 3.082 ng
RT: 21.642 min Scan# 3167
Delta R.T. -0.013 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

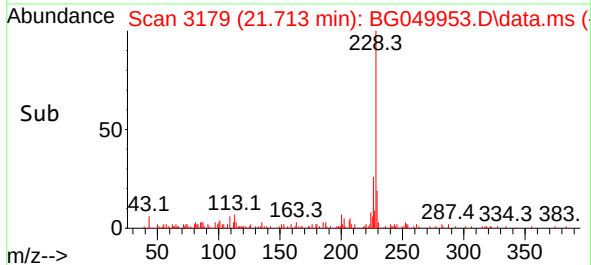
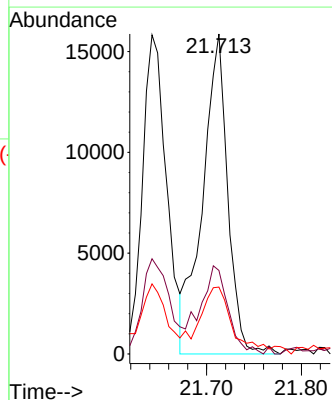
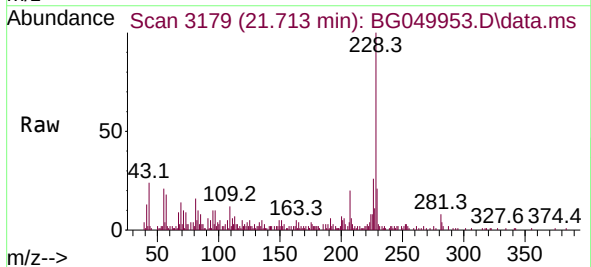
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0002

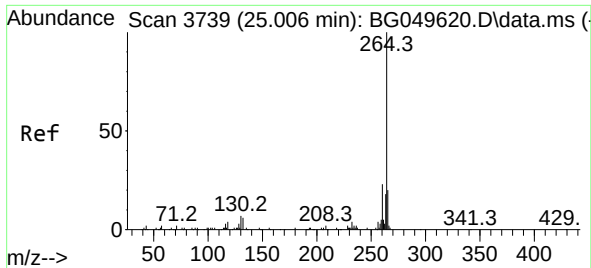
Tgt Ion:	228	Resp:	28606
Ion Ratio	Lower	Upper	
228	100		
226	29.8	22.7	34.1
229	22.0	16.0	24.0



#83
Chrysene
Concen: 3.314 ng
RT: 21.713 min Scan# 3179
Delta R.T. -0.013 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

Tgt Ion:	228	Resp:	29408
Ion Ratio	Lower	Upper	
228	100		
226	26.1	23.1	34.7
229	20.9	15.3	22.9

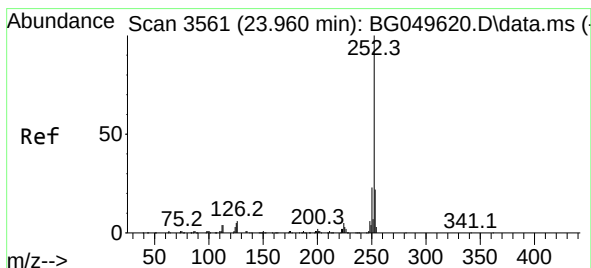
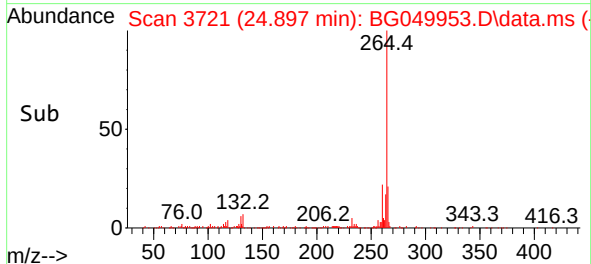
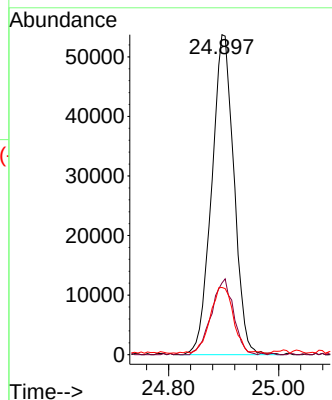
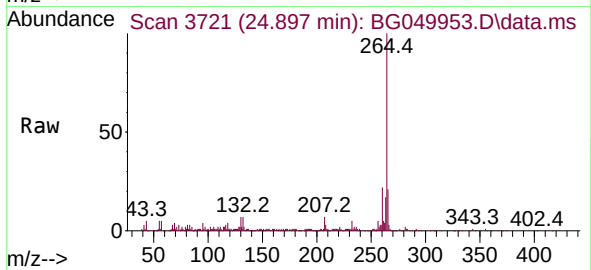




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.897 min Scan# 3721
 Delta R.T. -0.025 min
 Lab File: BG049953.D
 Acq: 24 Aug 2021 15:22

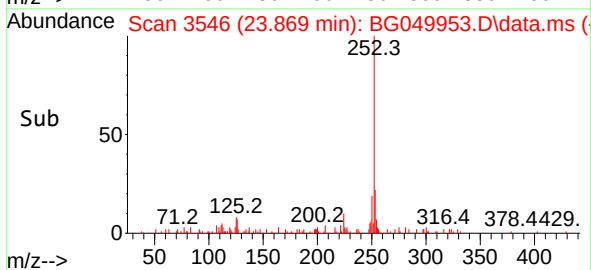
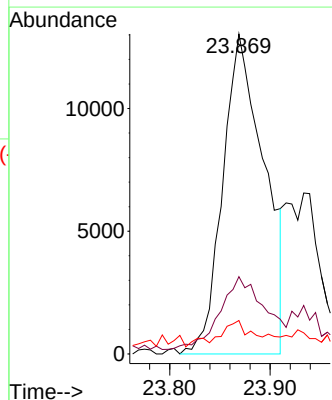
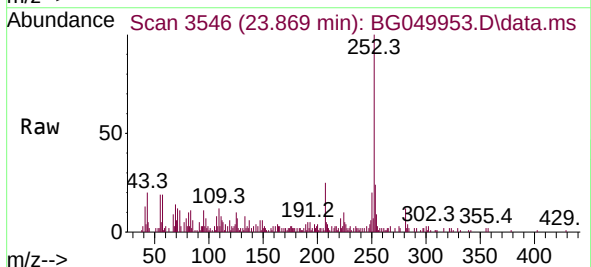
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-19-0002

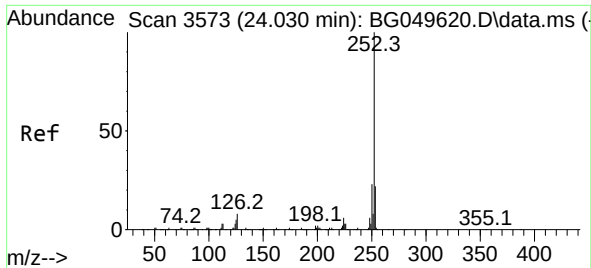
Tgt Ion:264 Resp: 150281
 Ion Ratio Lower Upper
 264 100
 260 22.4 19.4 29.2
 265 21.0 16.9 25.3



#88
 Benzo(b)fluoranthene
 Concen: 3.789 ng
 RT: 23.869 min Scan# 3546
 Delta R.T. -0.025 min
 Lab File: BG049953.D
 Acq: 24 Aug 2021 15:22

Tgt Ion:252 Resp: 37350
 Ion Ratio Lower Upper
 252 100
 253 24.1 16.2 24.4
 125 10.5 3.0 4.4#

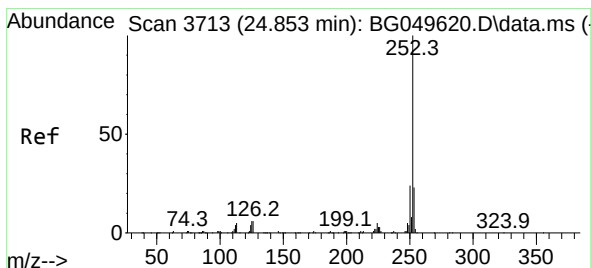
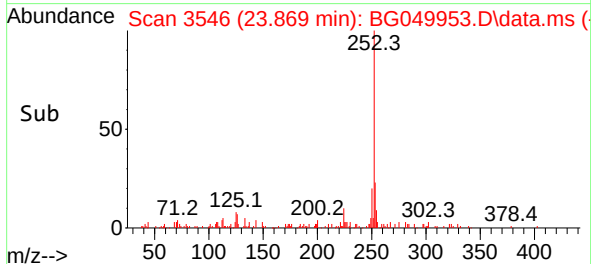
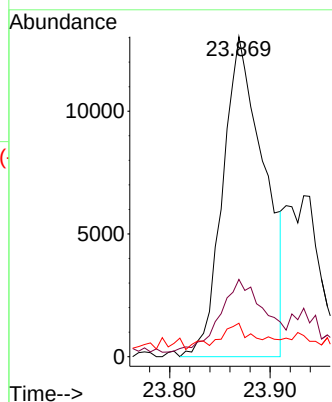
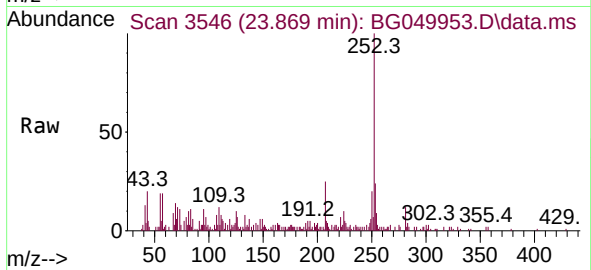




#89
Benzo(k)fluoranthene
Concen: 4.063 ng
RT: 23.869 min Scan# 3546
Delta R.T. -0.090 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

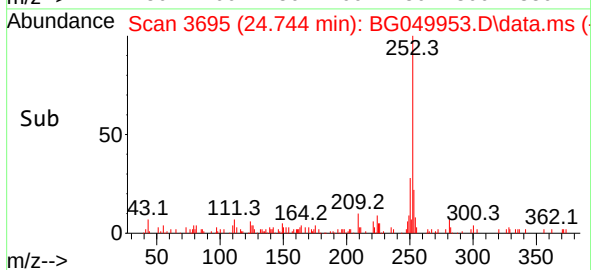
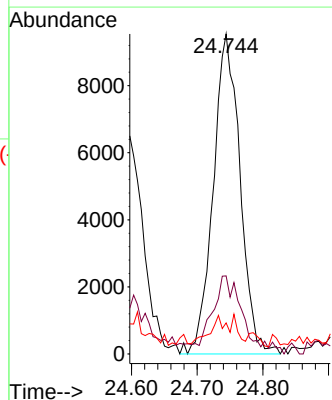
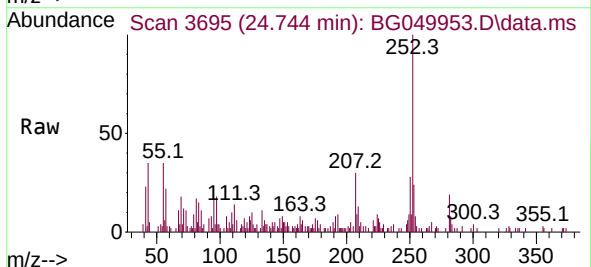
Instrument :
BNA_G
ClientSampleId :
SWCS-19-0002

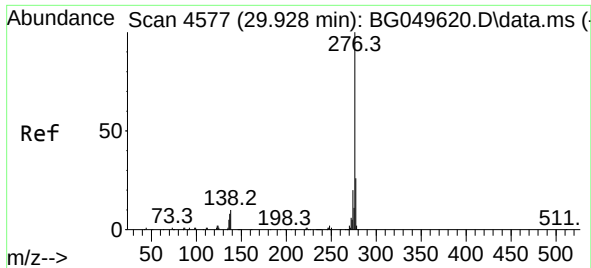
Tgt Ion:252 Resp: 37350
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 10.5 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 3.030 ng
RT: 24.744 min Scan# 3695
Delta R.T. -0.031 min
Lab File: BG049953.D
Acq: 24 Aug 2021 15:22

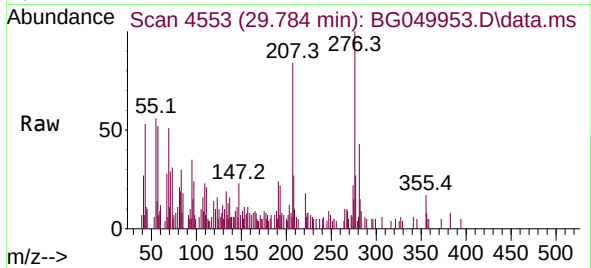
Tgt Ion:252 Resp: 27024
Ion Ratio Lower Upper
252 100
253 24.4 16.6 25.0
125 9.7 3.5 5.3#





#92
 Benzo(g,h,i)perylene
 Concen: 2.012 ng
 RT: 29.784 min Scan# 4553
 Delta R.T. -0.031 min
 Lab File: BG049953.D
 Acq: 24 Aug 2021 15:22

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-19-0002



Tgt Ion:	276	Resp:	17999
Ion Ratio	Lower	Upper	
276	100		
277	27.2	18.4	27.6
138	11.7	7.0	10.6#

