

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082421\
 Data File : BG049960.D
 Acq On : 24 Aug 2021 20:12
 Operator : CG/JU
 Sample : M3394-22DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-07-0002DL

Quant Time: Aug 25 01:08:51 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)

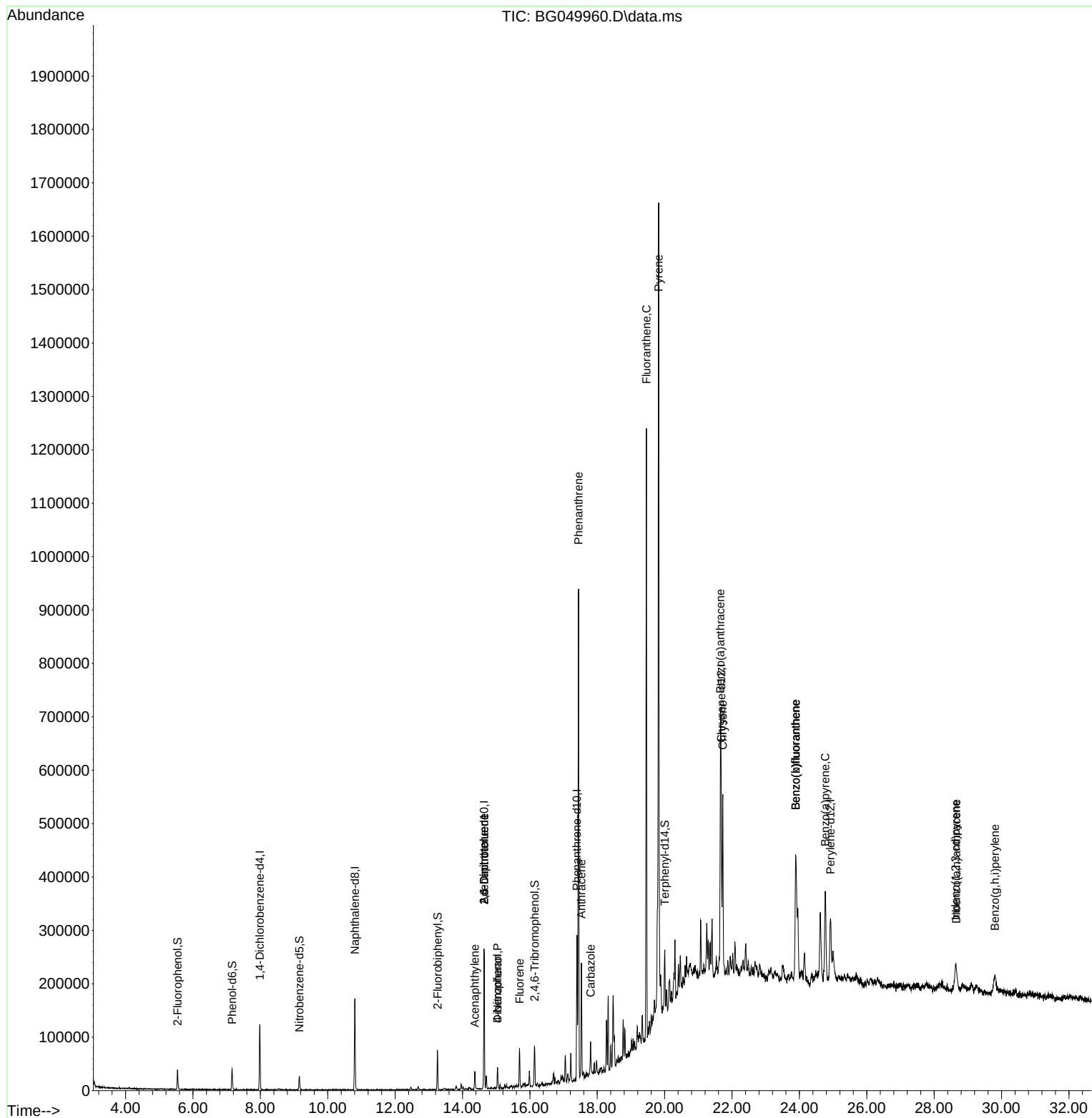
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.985	152	34566	20.000	ng	0.00
21) Naphthalene-d8	10.804	136	139230	20.000	ng	# 0.00
39) Acenaphthene-d10	14.640	164	91313	20.000	ng	0.00
64) Phenanthrene-d10	17.395	188	164191	20.000	ng	# 0.00
76) Chrysene-d12	21.678	240	134258	20.000	ng	0.00
86) Perylene-d12	24.921	264	134318	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.541	112	15136	7.850	ng	0.00
7) Phenol-d6	7.162	99	23344	7.998	ng	0.00
23) Nitrobenzene-d5	9.160	82	15890	5.050	ng	0.00
42) 2,4,6-Tribromophenol	16.138	330	10013	7.460	ng	0.00
45) 2-Fluorobiphenyl	13.260	172	35127	5.598	ng	0.00
79) Terphenyl-d14	20.004	244	41886	5.666	ng	0.00
Target Compounds						
						Qvalue
49) Acenaphthylene	14.364	152	27297	3.316	ng	94
51) 2,6-Dinitrotoluene	14.640	165	13402	8.835	ng	# 13
55) Dibenzofuran	15.040	168	21344	2.653	ng	99
56) 4-Nitrophenol	15.040	139	9509	8.799	ng	# 1
57) 2,4-Dinitrotoluene	14.640	165	13402	6.291	ng	# 18
58) Fluorene	15.692	166	32784	5.013	ng	99
71) Phenanthrene	17.442	178	552466	63.955	ng	97
72) Anthracene	17.531	178	136386	16.076	ng	99
73) Carbazole	17.801	167	38537	4.796	ng	99
75) Fluoranthene	19.457	202	699858	65.839	ng	99
78) Pyrene	19.822	202	499713	54.595	ng	98
81) Benzo(a)anthracene	21.654	228	286675	32.788	ng	97
83) Chrysene	21.725	228	233854	27.980	ng	97
87) Indeno(1,2,3-cd)pyrene	28.633	276	101332	10.461	ng	# 98
88) Benzo(b)fluoranthene	23.887	252	306820	34.829	ng	# 94
89) Benzo(k)fluoranthene	23.887	252	306820	37.340	ng	# 98
90) Benzo(a)pyrene	24.768	252	202321	25.378	ng	# 94
91) Dibenzo(a,h)anthracene	28.657	278	28427	3.483	ng	# 68
92) Benzo(g,h,i)perylene	29.802	276	89962	11.249	ng	# 93

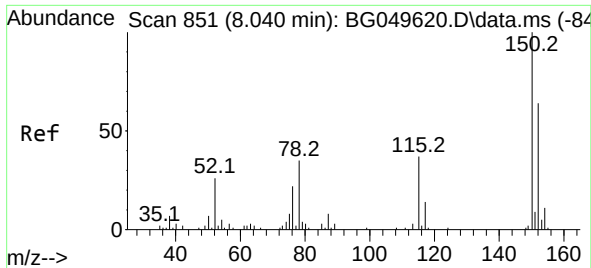
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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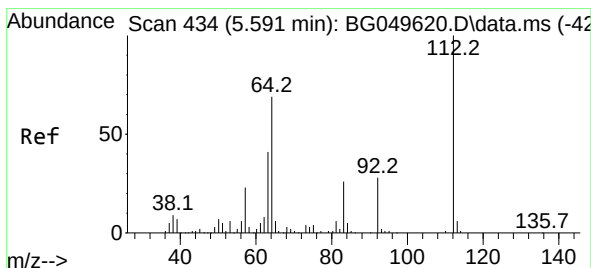
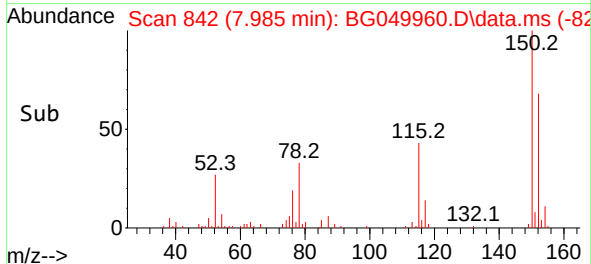
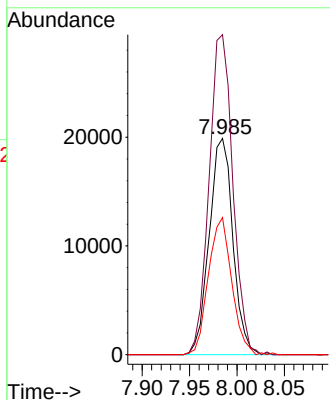
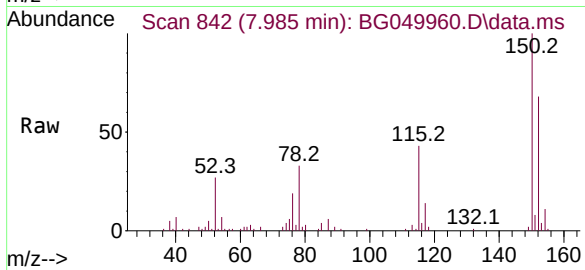




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.985 min Scan# 842
Delta R.T. -0.001 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

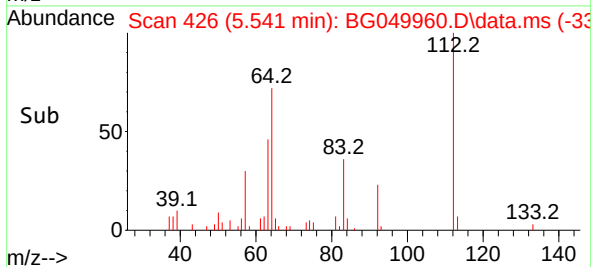
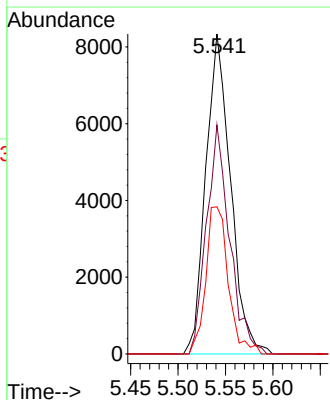
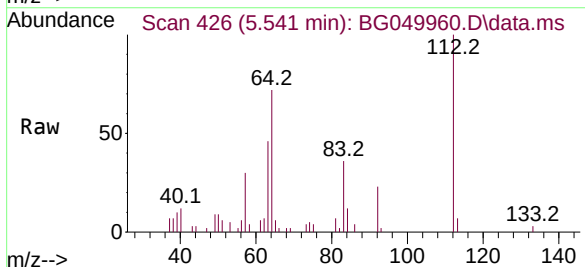
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

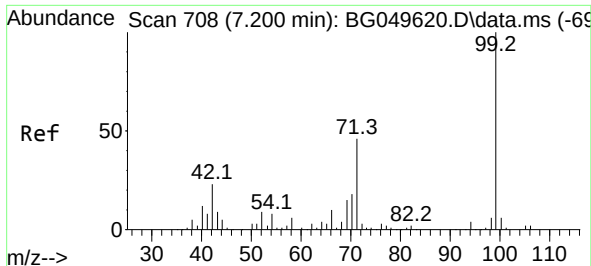
Tgt Ion:152 Resp: 34566
Ion Ratio Lower Upper
152 100
150 147.9 119.4 179.0
115 63.4 60.2 90.4



#5
2-Fluorophenol
Concen: 7.850 ng
RT: 5.541 min Scan# 426
Delta R.T. 0.005 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

Tgt Ion:112 Resp: 15136
Ion Ratio Lower Upper
112 100
64 71.6 46.7 70.1#
63 46.0 35.3 52.9

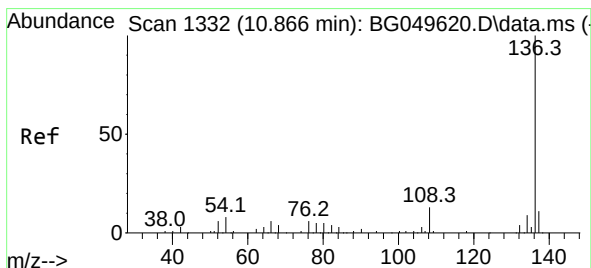
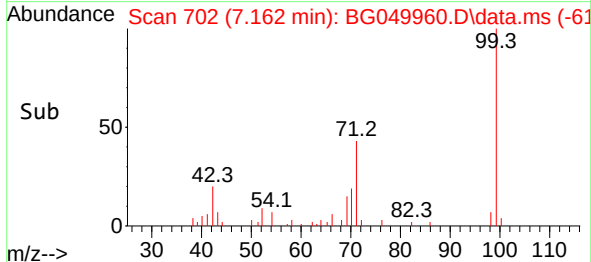
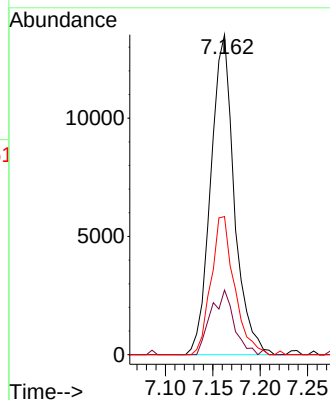
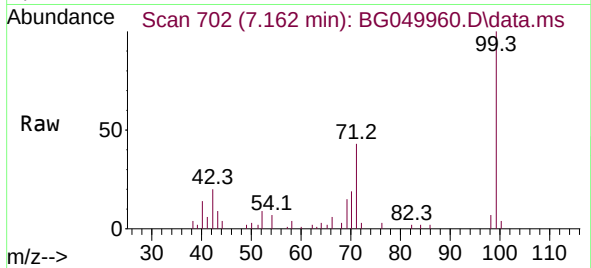




#7
Phenol-d6
Concen: 7.998 ng
RT: 7.162 min Scan# 702
Delta R.T. 0.005 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

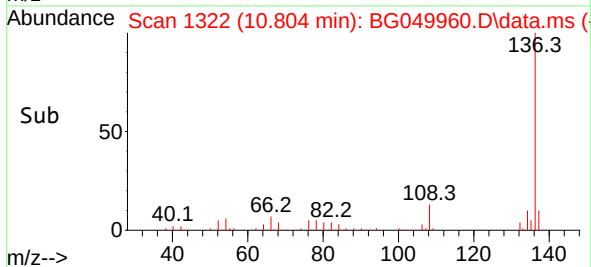
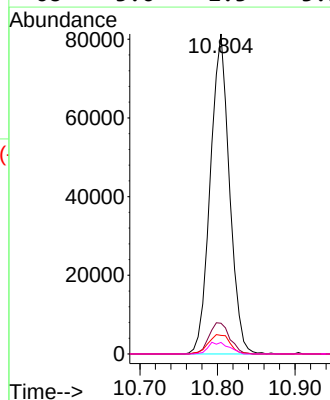
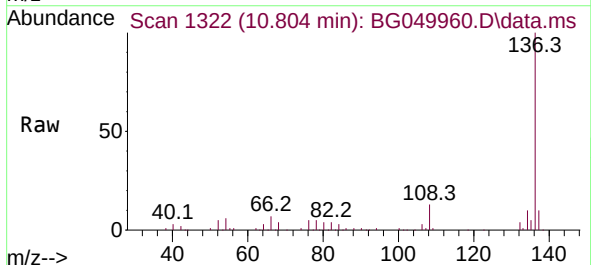
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

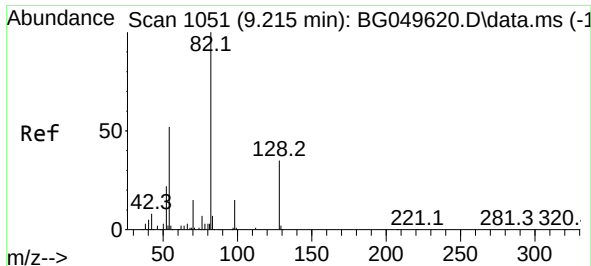
Tgt Ion: 99 Resp: 23344
Ion Ratio Lower Upper
99 100
42 20.2 20.5 30.7#
71 43.2 41.5 62.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.804 min Scan# 1322
Delta R.T. -0.007 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

Tgt Ion: 136 Resp: 139230
Ion Ratio Lower Upper
136 100
137 9.6 8.2 12.2
54 5.8 5.5 8.3
68 3.6 2.3 3.5#





#23

Nitrobenzene-d5

Concen: 5.050 ng

RT: 9.160 min Scan# 1042

Delta R.T. -0.001 min

Lab File: BG049960.D

Acq: 24 Aug 2021 20:12

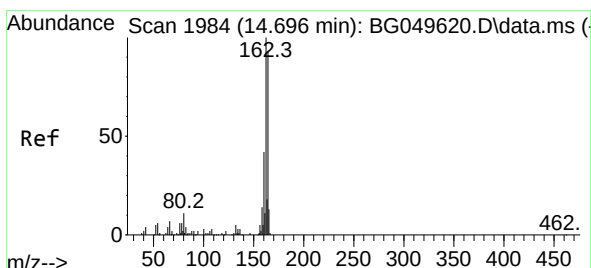
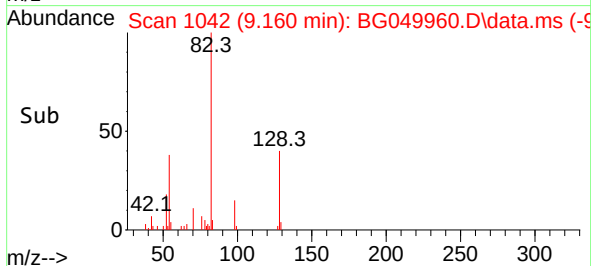
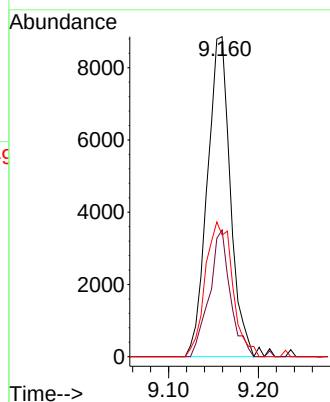
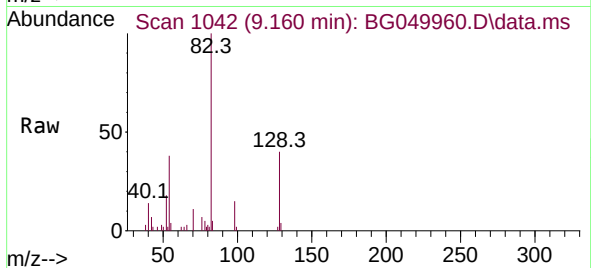
Tgt Ion: 82	Resp: 15890
Ion Ratio	Lower Upper
82 100	
128 39.6	29.8 44.6
54 38.0	45.8 68.8#

Instrument :

BNA_G

ClientSampleId :

SWCS-07-0002DL



#39

Acenaphthene-d10

Concen: 20.000 ng

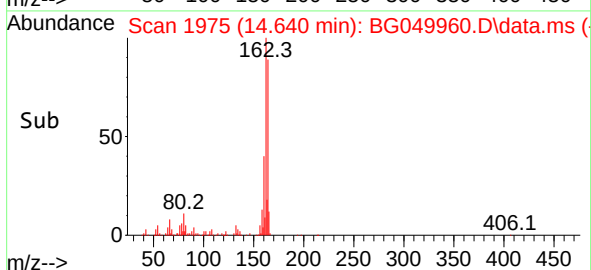
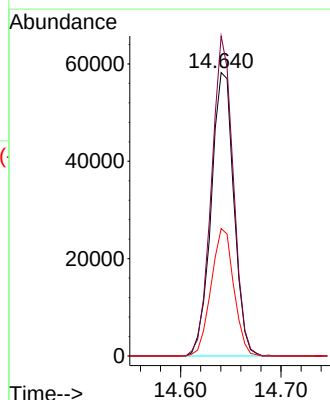
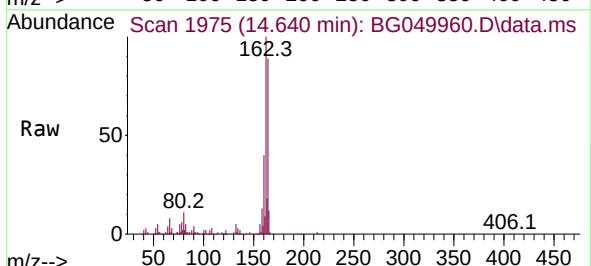
RT: 14.640 min Scan# 1975

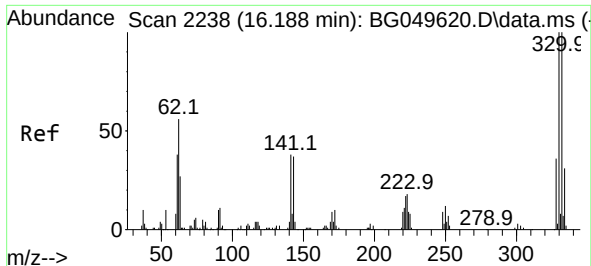
Delta R.T. -0.007 min

Lab File: BG049960.D

Acq: 24 Aug 2021 20:12

Tgt Ion: 164	Resp: 91313
Ion Ratio	Lower Upper
164 100	
162 112.9	81.4 122.0
160 44.9	34.9 52.3

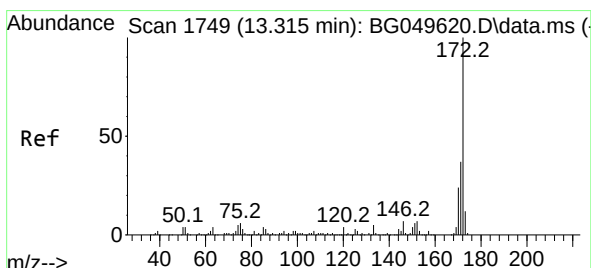
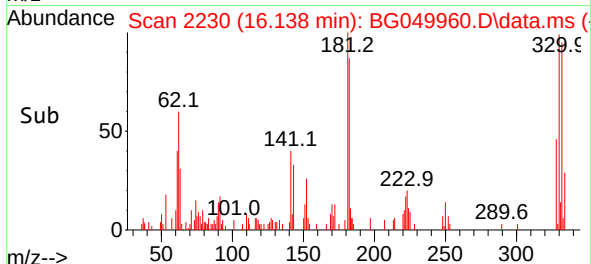
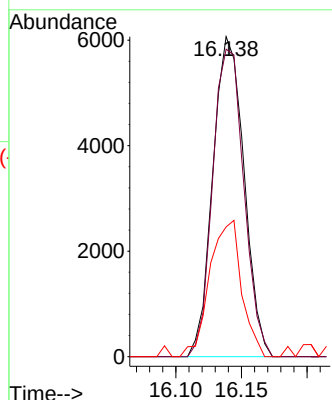
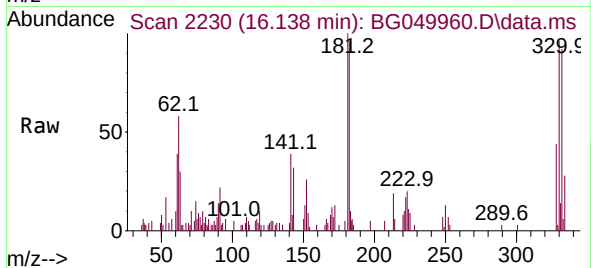




#42
2,4,6-Tribromophenol
Concen: 7.460 ng
RT: 16.138 min Scan# 2230
Delta R.T. -0.007 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

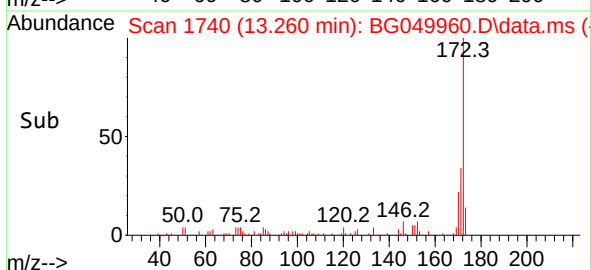
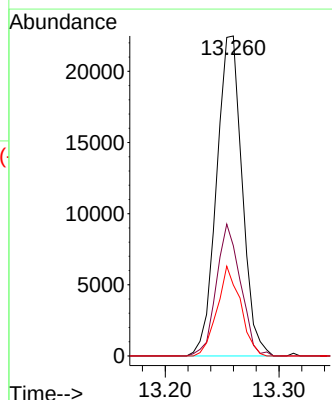
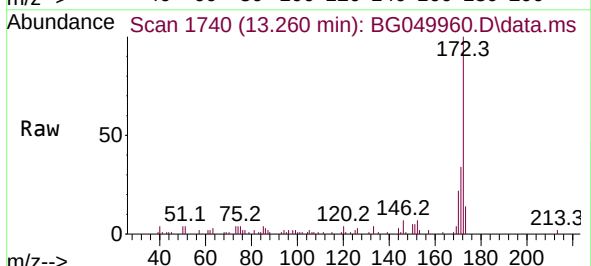
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

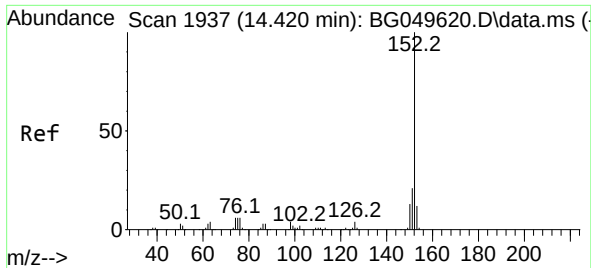
Tgt Ion:330 Resp: 10013
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 43.5 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 5.598 ng
RT: 13.260 min Scan# 1740
Delta R.T. -0.001 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

Tgt Ion:172 Resp: 35127
Ion Ratio Lower Upper
172 100
171 34.5 28.6 43.0
170 22.2 18.6 27.8

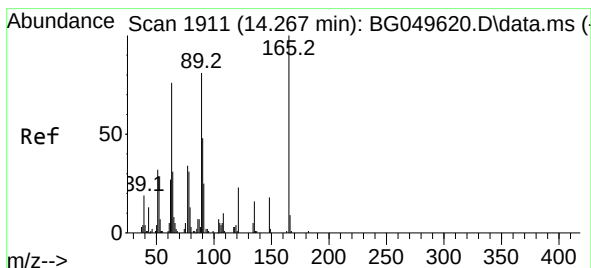
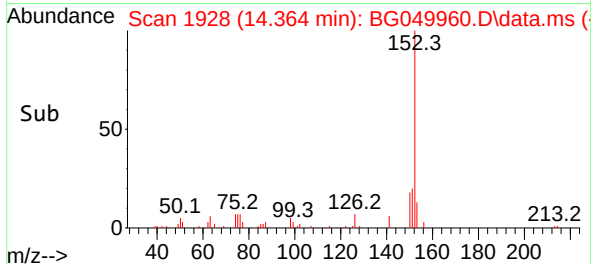
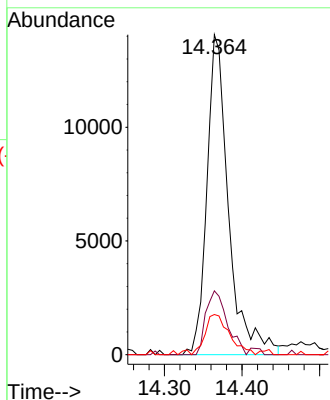
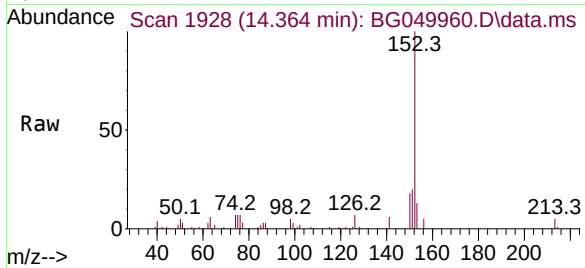




#49
Acenaphthylene
Concen: 3.316 ng
RT: 14.364 min Scan# 1928
Delta R.T. -0.007 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

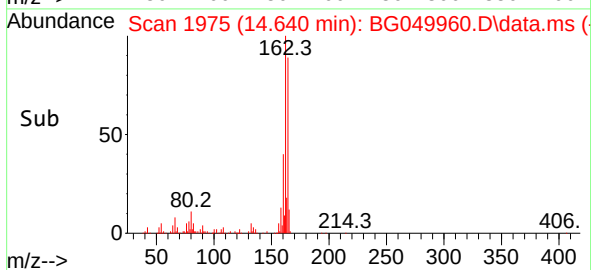
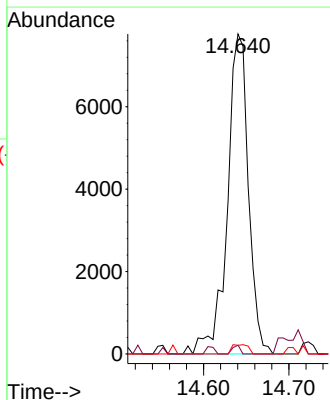
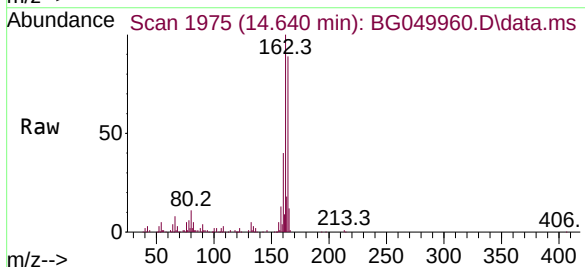
Instrument :
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ClientSampleId :
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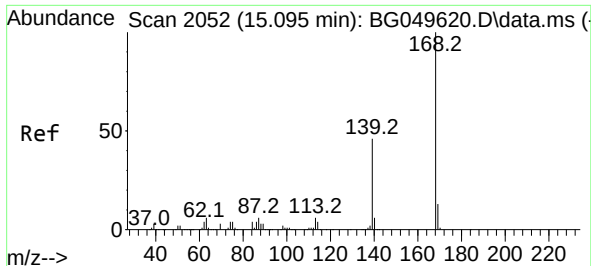
Tgt Ion:152 Resp: 27297
Ion Ratio Lower Upper
152 100
151 20.0 18.2 27.4
153 12.5 11.7 17.5



#51
2,6-Dinitrotoluene
Concen: 8.835 ng
RT: 14.640 min Scan# 1975
Delta R.T. 0.416 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

Tgt Ion:165 Resp: 13402
Ion Ratio Lower Upper
165 100
63 2.7 63.3 94.9#
89 2.7 63.4 95.0#

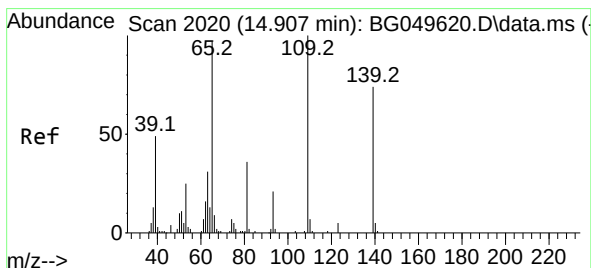
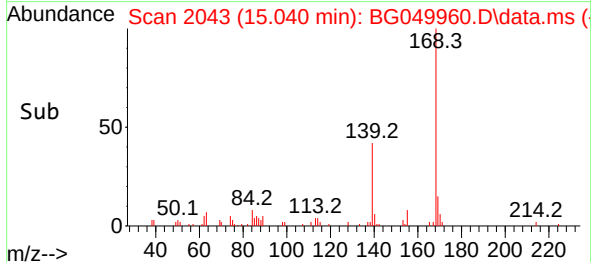
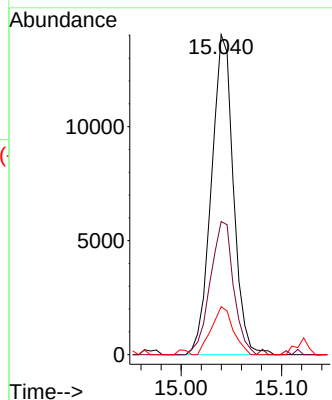
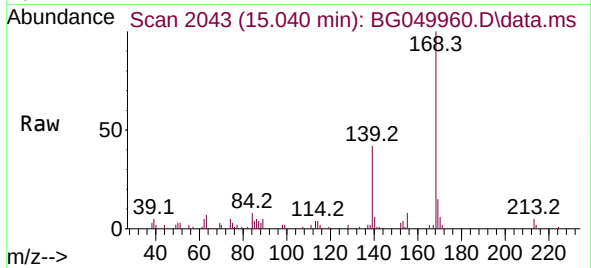




#55
Dibenzofuran
Concen: 2.653 ng
RT: 15.040 min Scan# 2043
Delta R.T. -0.007 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

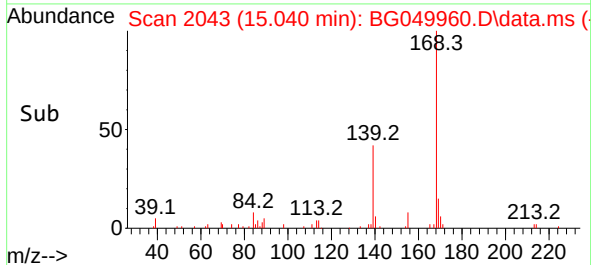
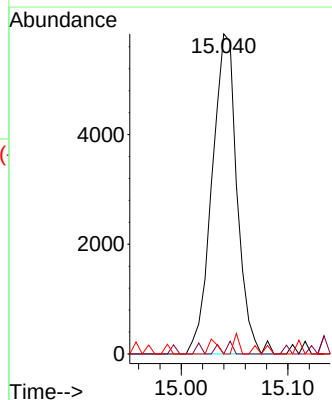
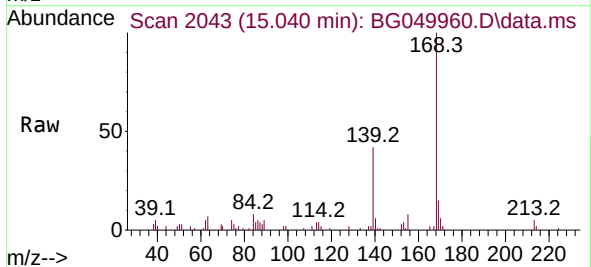
Instrument :
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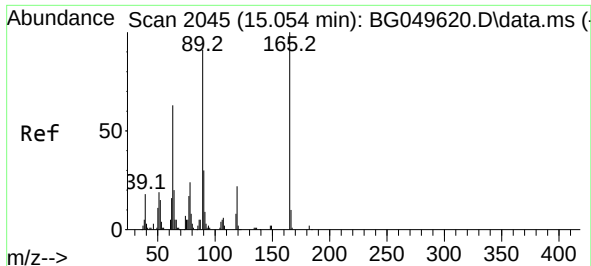
Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.6	33.4	50.2
169	15.0	12.3	18.5



#56
4-Nitrophenol
Concen: 8.799 ng
RT: 15.040 min Scan# 2043
Delta R.T. 0.151 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	116.3	156.3#
65	0.0	105.0	145.0#

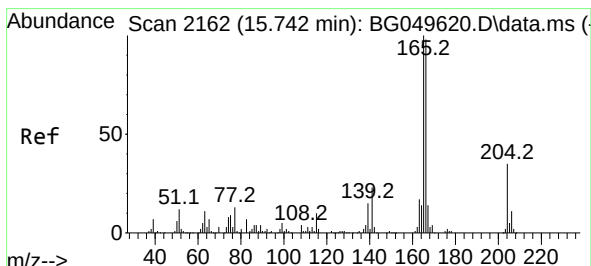
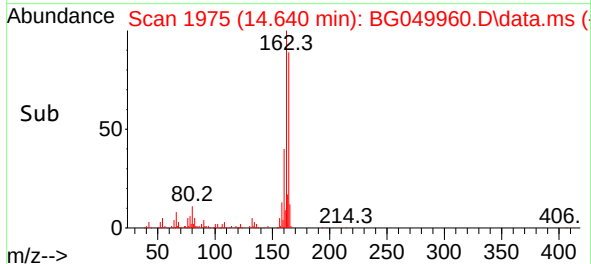
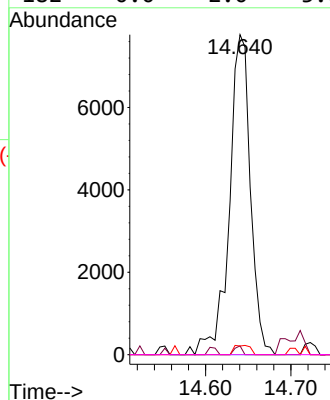
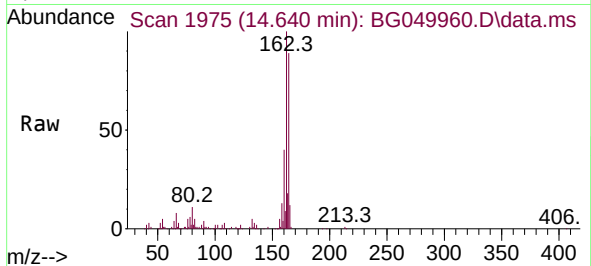




#57
2,4-Dinitrotoluene
Concen: 6.291 ng
RT: 14.640 min Scan# 1975
Delta R.T. -0.377 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

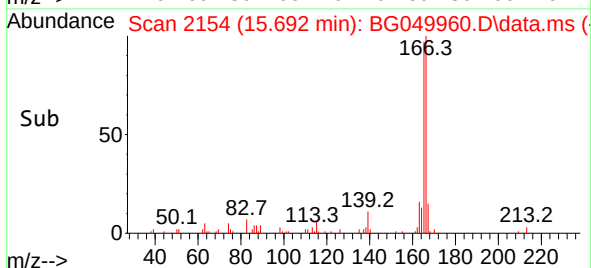
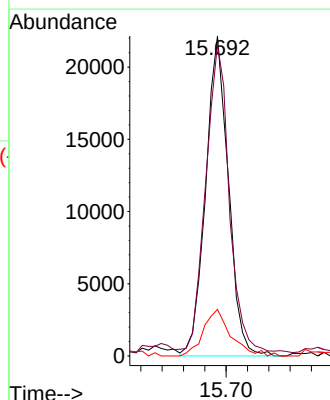
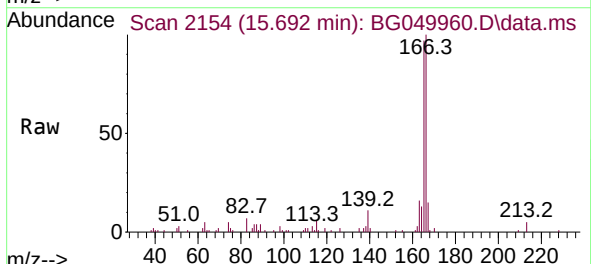
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

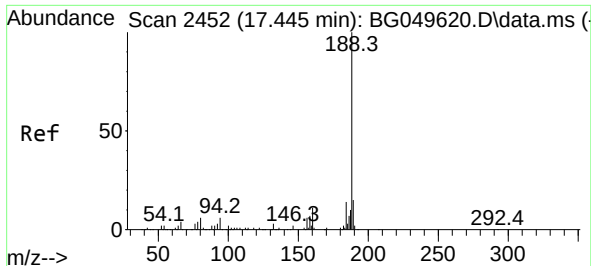
Tgt Ion:165 Resp: 13402
Ion Ratio Lower Upper
165 100
63 2.7 48.0 72.0#
89 2.7 65.4 98.0#
182 0.0 2.0 3.0#



#58
Fluorene
Concen: 5.013 ng
RT: 15.692 min Scan# 2154
Delta R.T. -0.007 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

Tgt Ion:166 Resp: 32784
Ion Ratio Lower Upper
166 100
165 97.4 77.7 116.5
167 14.6 10.8 16.2

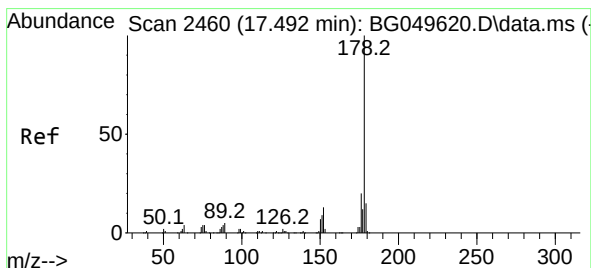
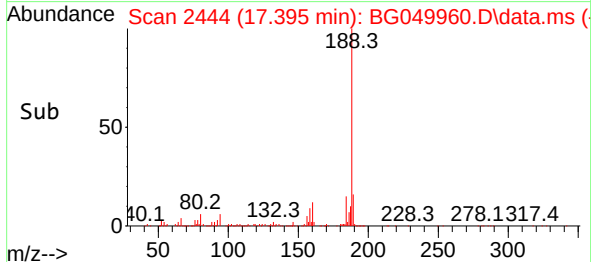
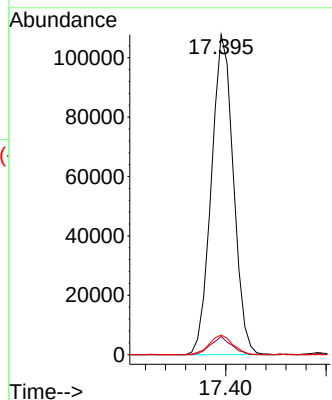
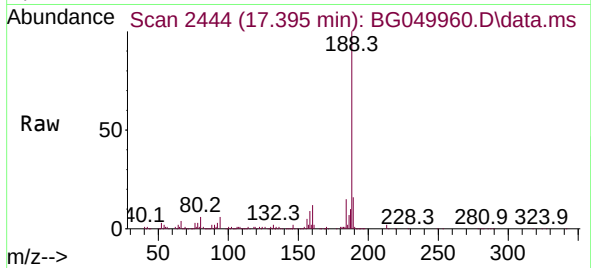




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.395 min Scan# 2444
Delta R.T. -0.007 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

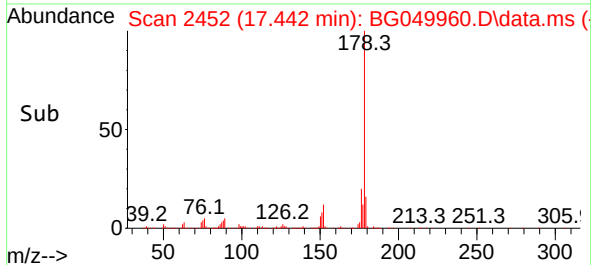
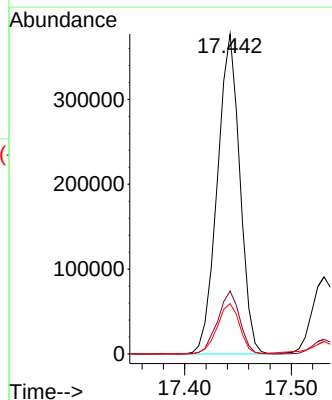
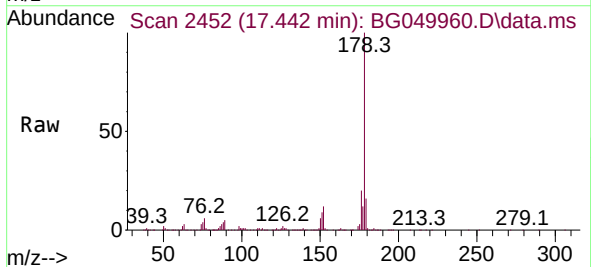
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

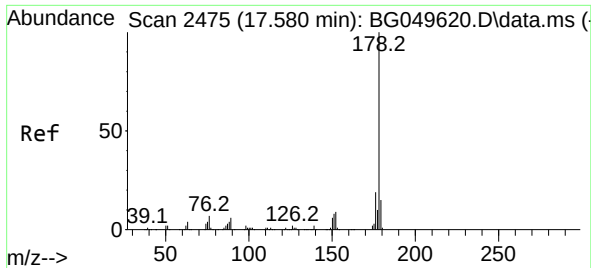
Tgt Ion:188 Resp: 164191
Ion Ratio Lower Upper
188 100
94 5.7 5.4 8.0
80 6.2 3.7 5.5#



#71
Phenanthrene
Concen: 63.955 ng
RT: 17.442 min Scan# 2452
Delta R.T. -0.001 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

Tgt Ion:178 Resp: 552466
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.8 14.2 21.4

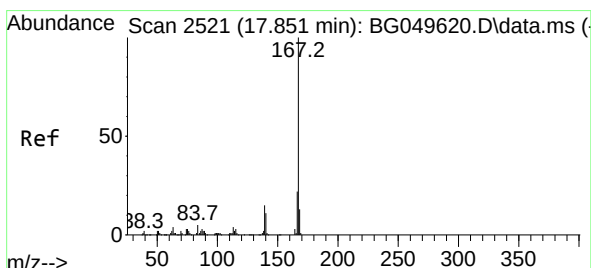
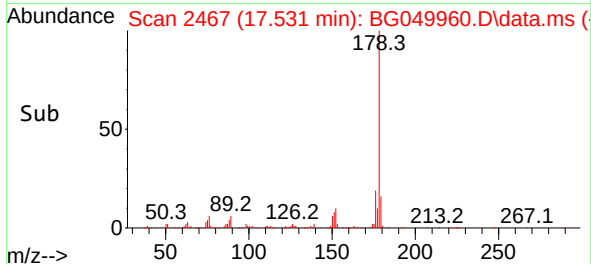
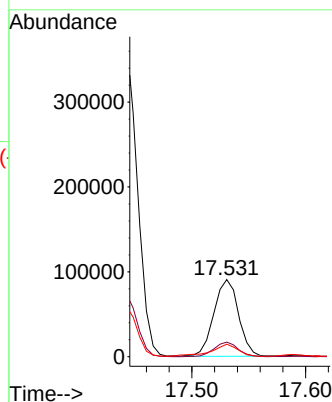
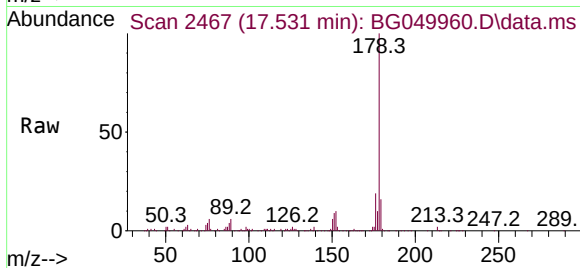




#72
 Anthracene
 Concen: 16.076 ng
 RT: 17.531 min Scan# 2467
 Delta R.T. -0.007 min
 Lab File: BG049960.D
 Acq: 24 Aug 2021 20:12

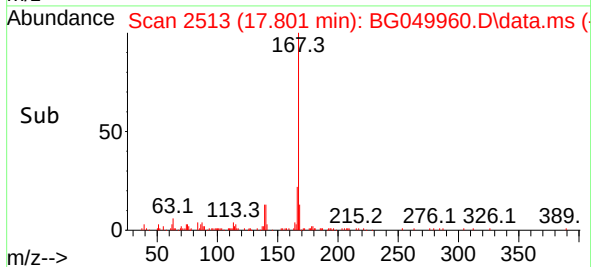
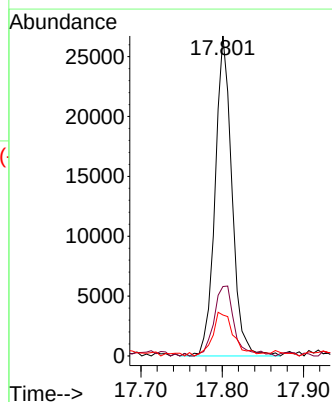
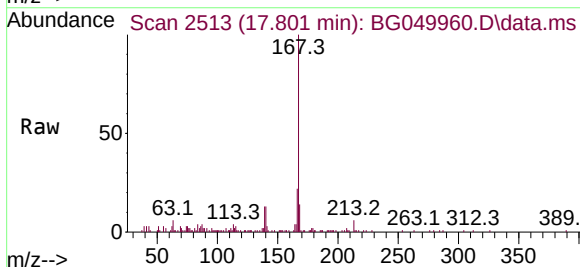
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-07-0002DL

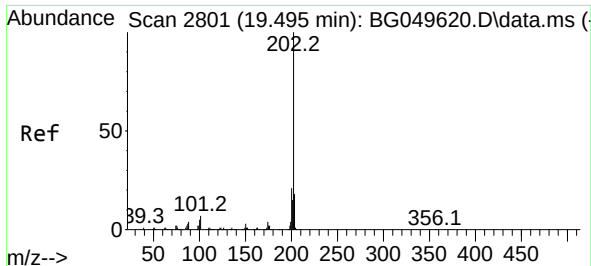
Tgt Ion:178 Resp: 136386
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.6 21.8
 179 16.2 13.4 20.0



#73
 Carbazole
 Concen: 4.796 ng
 RT: 17.801 min Scan# 2513
 Delta R.T. -0.007 min
 Lab File: BG049960.D
 Acq: 24 Aug 2021 20:12

Tgt Ion:167 Resp: 38537
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.4 26.2
 139 12.8 10.7 16.1

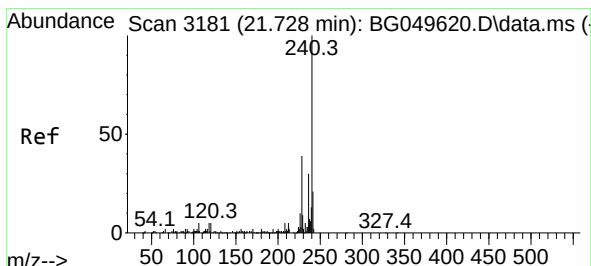
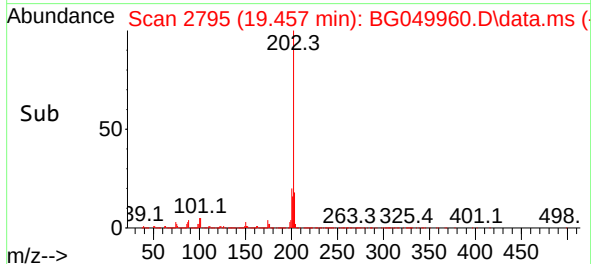
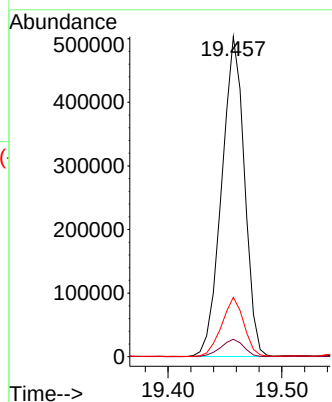
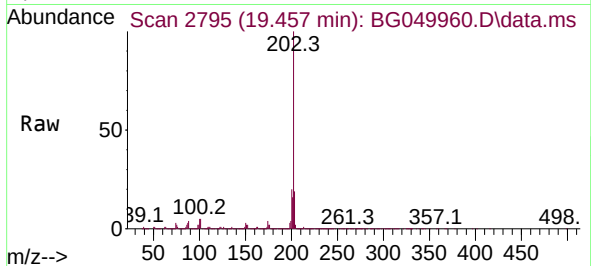




#75
Fluoranthene
Concen: 65.839 ng
RT: 19.457 min Scan# 2795
Delta R.T. -0.001 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

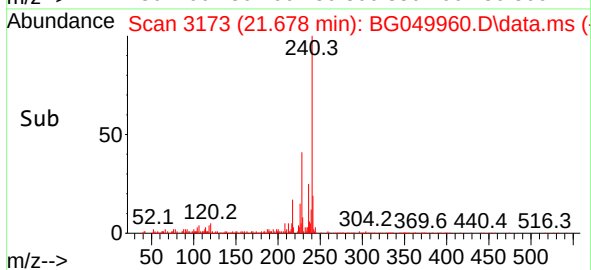
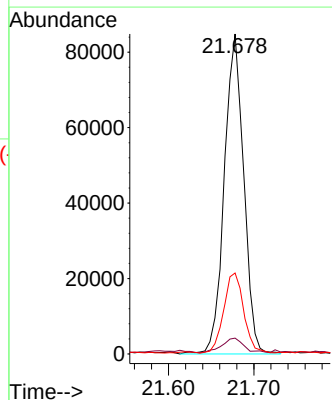
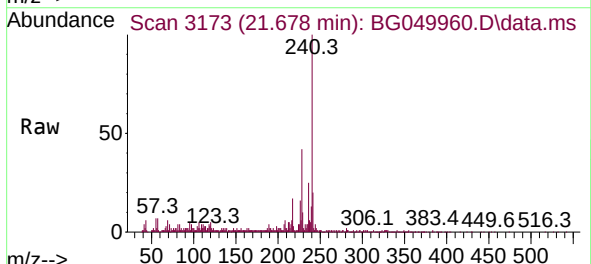
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

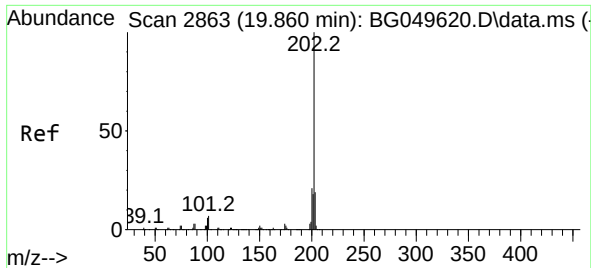
Tgt Ion:202 Resp: 699858
Ion Ratio Lower Upper
202 100
101 5.4 0.0 24.7
203 18.6 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.678 min Scan# 3173
Delta R.T. -0.001 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

Tgt Ion:240 Resp: 134258
Ion Ratio Lower Upper
240 100
120 4.9 4.2 6.2
236 25.3 21.8 32.6

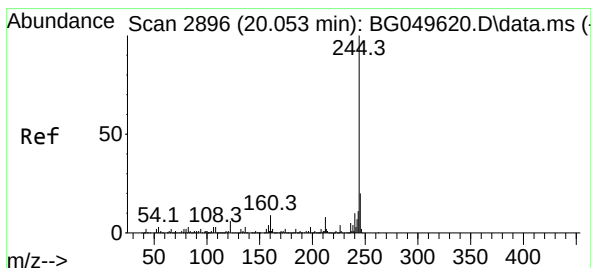
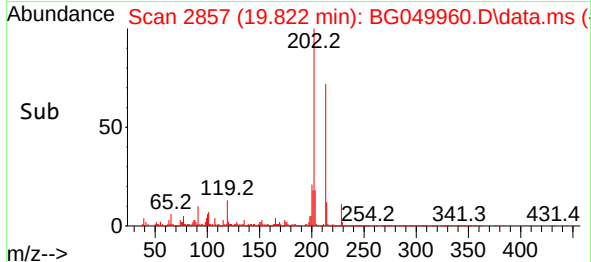
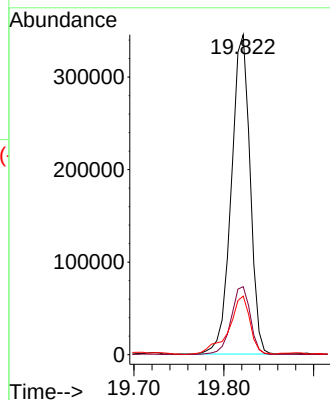
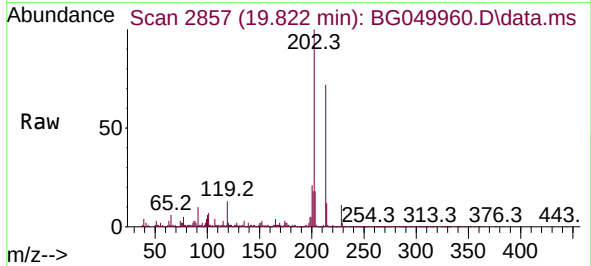




#78
Pyrene
Concen: 54.595 ng
RT: 19.822 min Scan# 2857
Delta R.T. 0.005 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

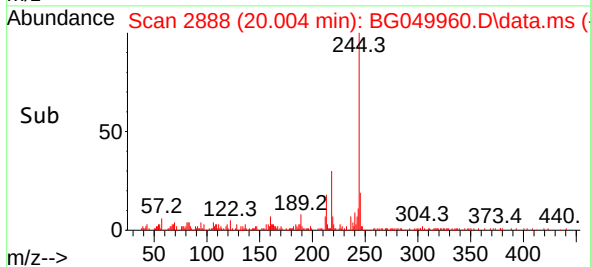
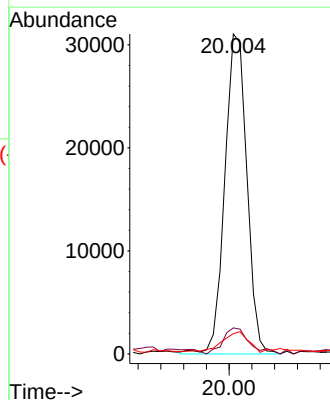
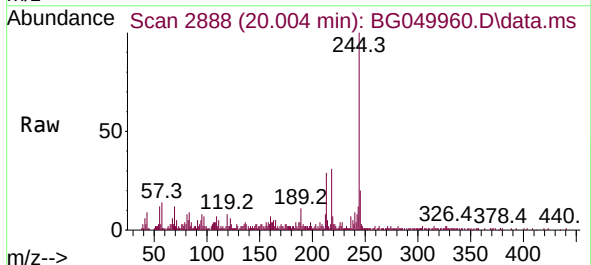
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

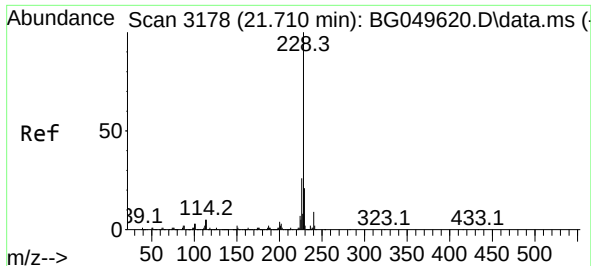
Tgt Ion:	202	Resp:	499713
Ion Ratio	Lower	Upper	
202	100		
200	21.2	15.8	23.8
203	18.3	14.6	21.8



#79
Terphenyl-d14
Concen: 5.666 ng
RT: 20.004 min Scan# 2888
Delta R.T. -0.007 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

Tgt Ion:	244	Resp:	41886
Ion Ratio	Lower	Upper	
244	100		
212	8.1	6.9	10.3
122	6.4	5.0	7.6

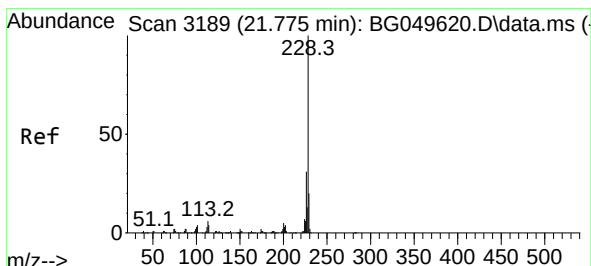
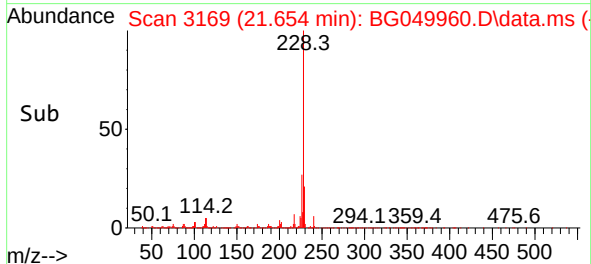
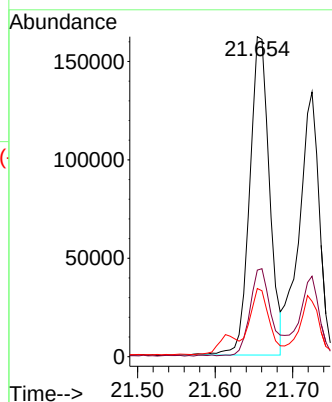
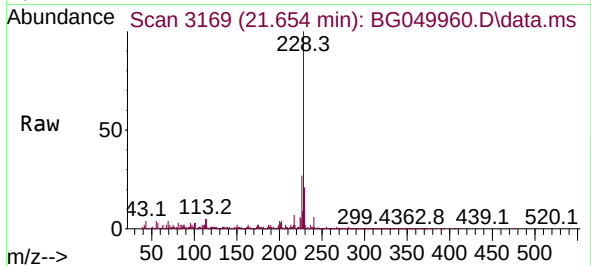




#81
Benzo(a)anthracene
Concen: 32.788 ng
RT: 21.654 min Scan# 3169
Delta R.T. -0.001 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

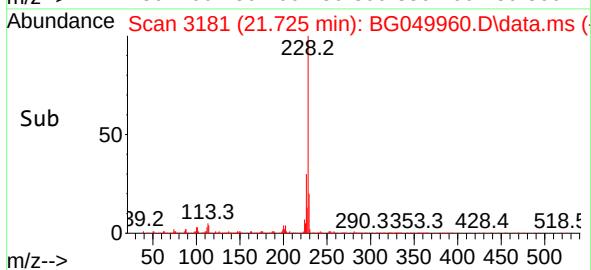
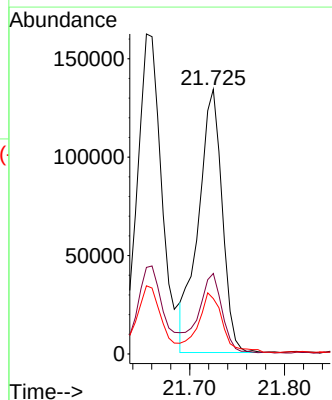
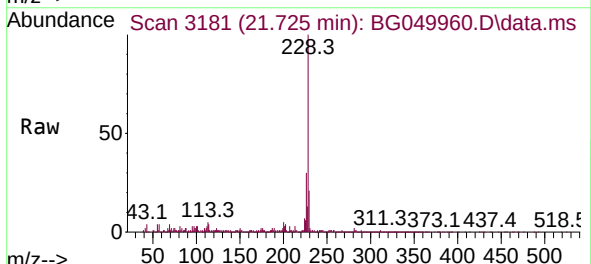
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

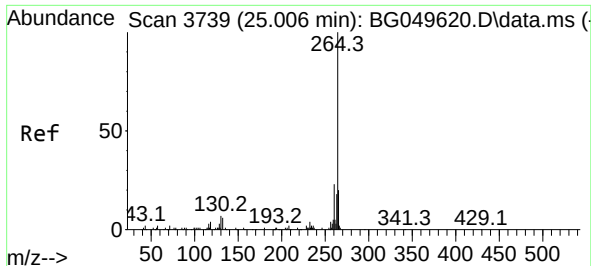
Tgt Ion:228	Resp: 286675
Ion Ratio	Lower Upper
228 100	
226 27.1	22.7 34.1
229 21.3	16.0 24.0



#83
Chrysene
Concen: 27.980 ng
RT: 21.725 min Scan# 3181
Delta R.T. -0.001 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

Tgt Ion:228	Resp: 233854		
Ion Ratio	Lower	Upper	
228 100			
226 30.4	23.1	34.7	
229 20.9	15.3	22.9	

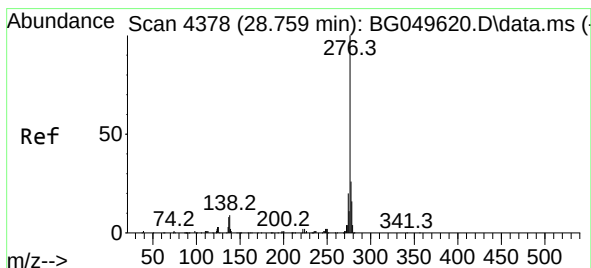
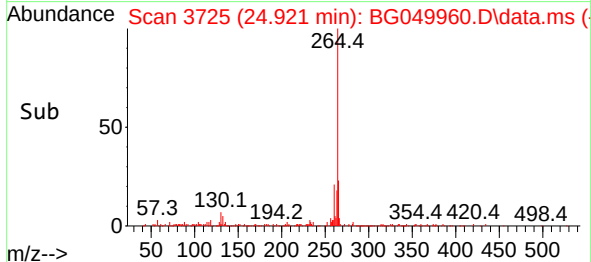
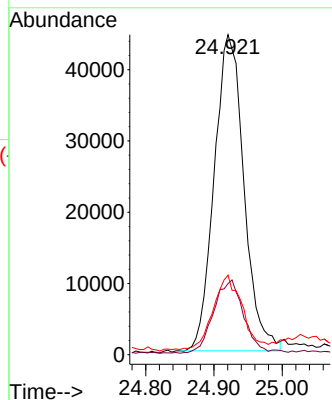
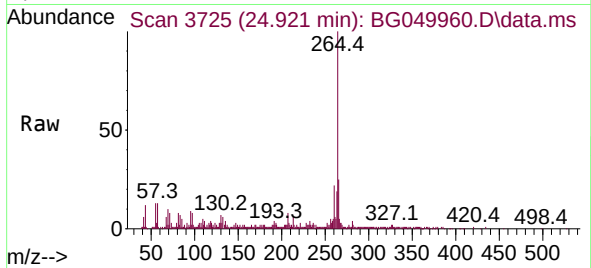




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.921 min Scan# 3725
 Delta R.T. -0.001 min
 Lab File: BG049960.D
 Acq: 24 Aug 2021 20:12

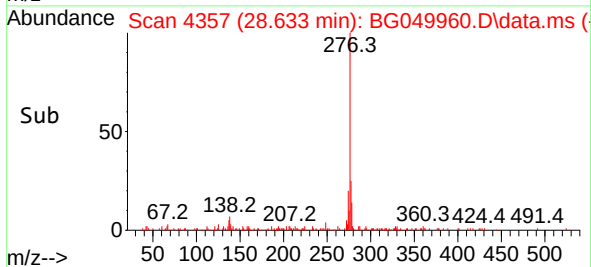
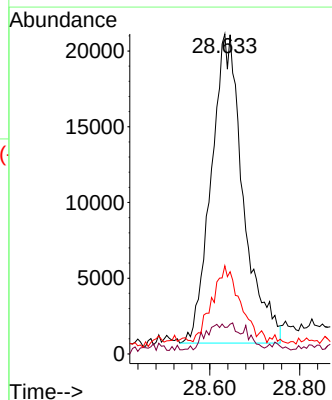
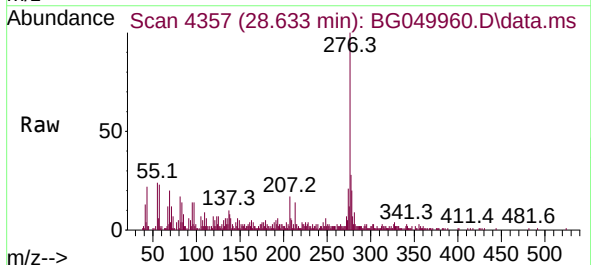
Instrument :
 BNA_G
 ClientSampleID :
 SWCS-07-0002DL

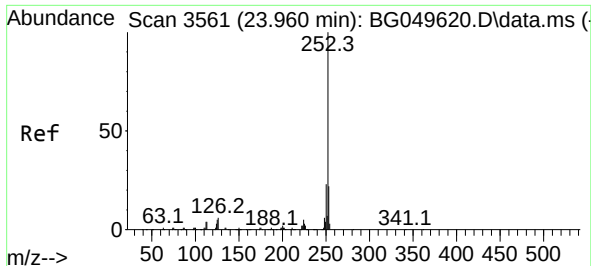
Tgt Ion:264 Resp: 134318
 Ion Ratio Lower Upper
 264 100
 260 22.2 19.4 29.2
 265 24.9 16.9 25.3



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.461 ng
 RT: 28.633 min Scan# 4357
 Delta R.T. -0.013 min
 Lab File: BG049960.D
 Acq: 24 Aug 2021 20:12

Tgt Ion:276 Resp: 101332
 Ion Ratio Lower Upper
 276 100
 138 3.9 5.1 7.7#
 277 24.5 19.8 29.6

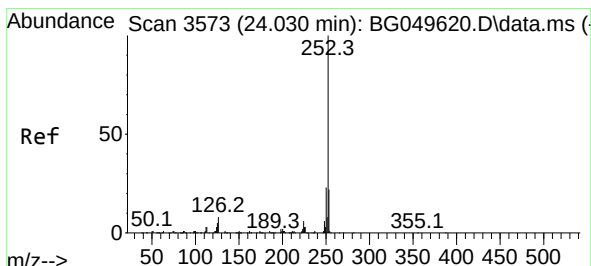
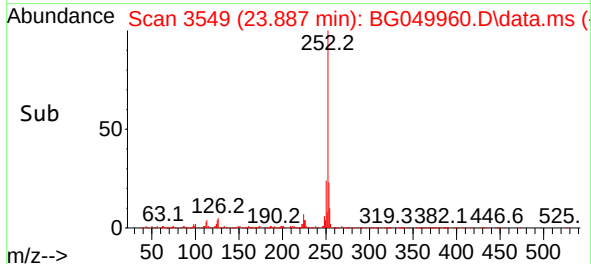
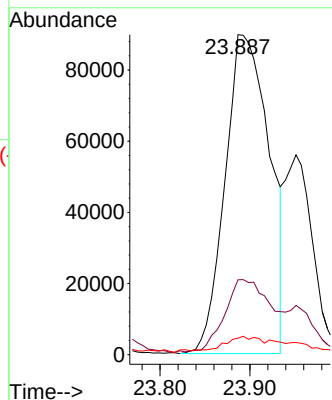
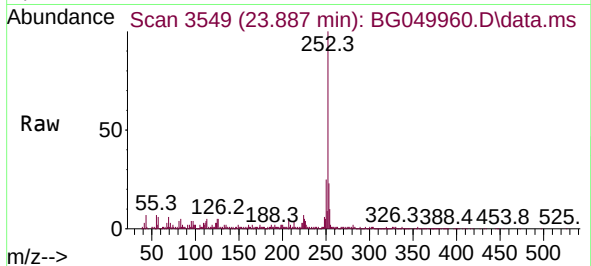




#88
Benzo(b)fluoranthene
Concen: 34.829 ng
RT: 23.887 min Scan# 3549
Delta R.T. -0.007 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

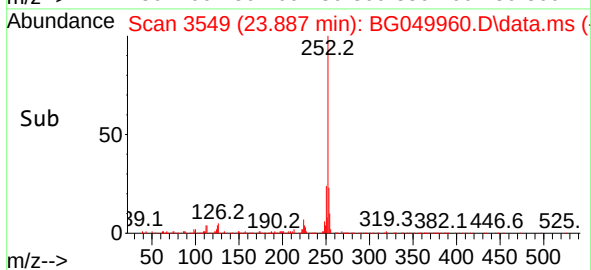
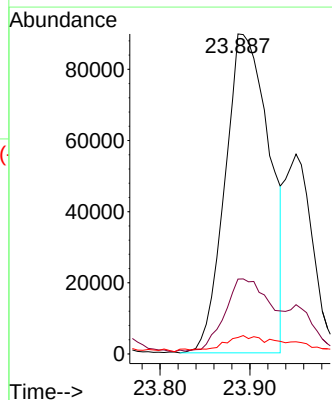
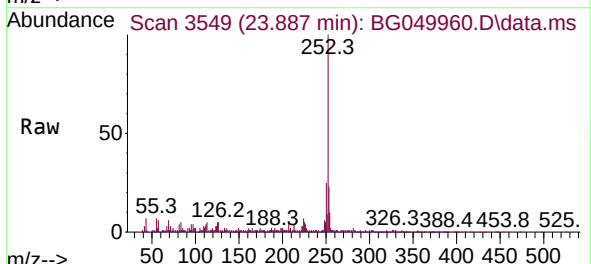
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

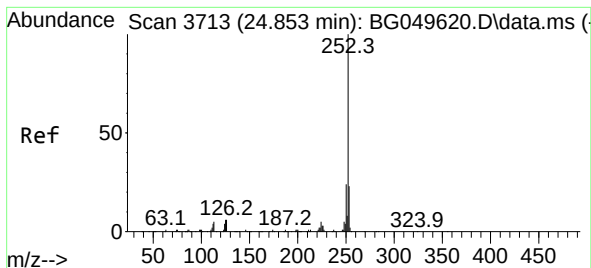
Tgt Ion:252 Resp: 306820
Ion Ratio Lower Upper
252 100
253 23.4 16.2 24.4
125 5.1 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 37.340 ng
RT: 23.887 min Scan# 3549
Delta R.T. -0.072 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

Tgt Ion:252 Resp: 306820
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 5.1 3.1 4.7#

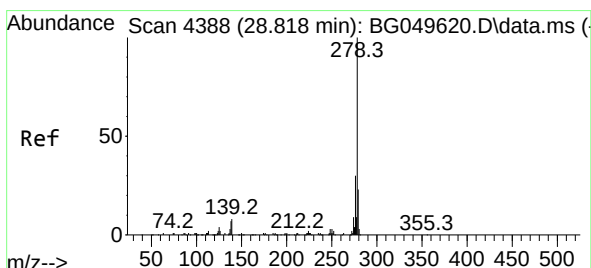
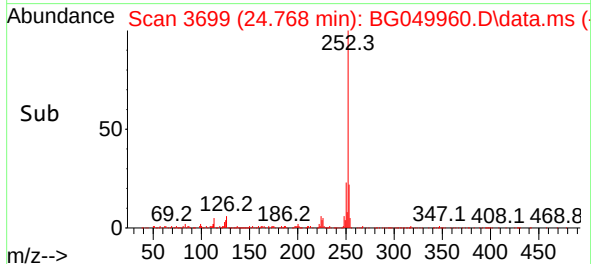
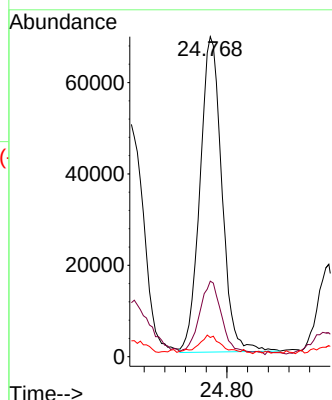
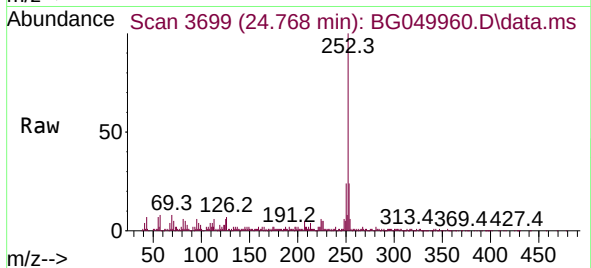




#90
Benzo(a)pyrene
Concen: 25.378 ng
RT: 24.768 min Scan# 3699
Delta R.T. -0.007 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

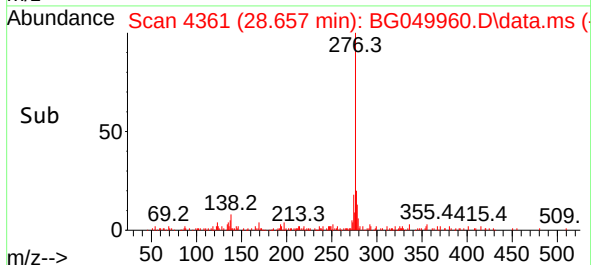
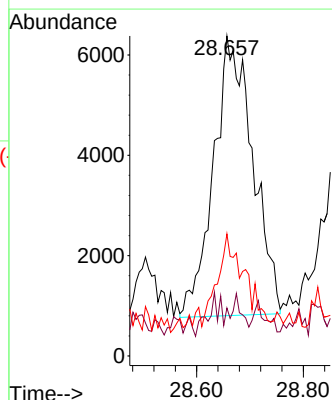
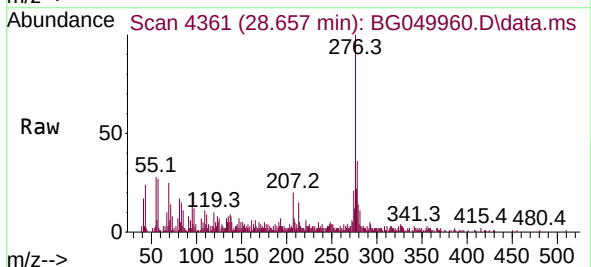
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

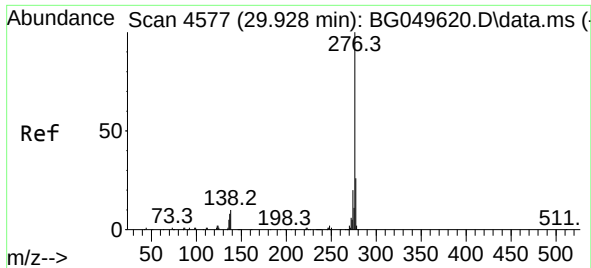
Tgt Ion:252 Resp: 202321
Ion Ratio Lower Upper
252 100
253 23.6 16.6 25.0
125 6.0 3.5 5.3#



#91
Dibenzo(a,h)anthracene
Concen: 3.483 ng
RT: 28.657 min Scan# 4361
Delta R.T. -0.042 min
Lab File: BG049960.D
Acq: 24 Aug 2021 20:12

Tgt Ion:278 Resp: 28427
Ion Ratio Lower Upper
278 100
139 15.0 4.6 6.8#
279 38.2 17.9 26.9#





#92
 Benzo(g,h,i)perylene
 Concen: 11.249 ng
 RT: 29.802 min Scan# 4556
 Delta R.T. -0.013 min
 Lab File: BG049960.D
 Acq: 24 Aug 2021 20:12

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-07-0002DL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.0	18.4	27.6
138	10.6	7.0	10.6

