

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082321\
 Data File : BG049944.D
 Acq On : 23 Aug 2021 22:18
 Operator : CG/JU
 Sample : M3394-22DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-07-0002DL

Quant Time: Aug 24 02:29:11 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)

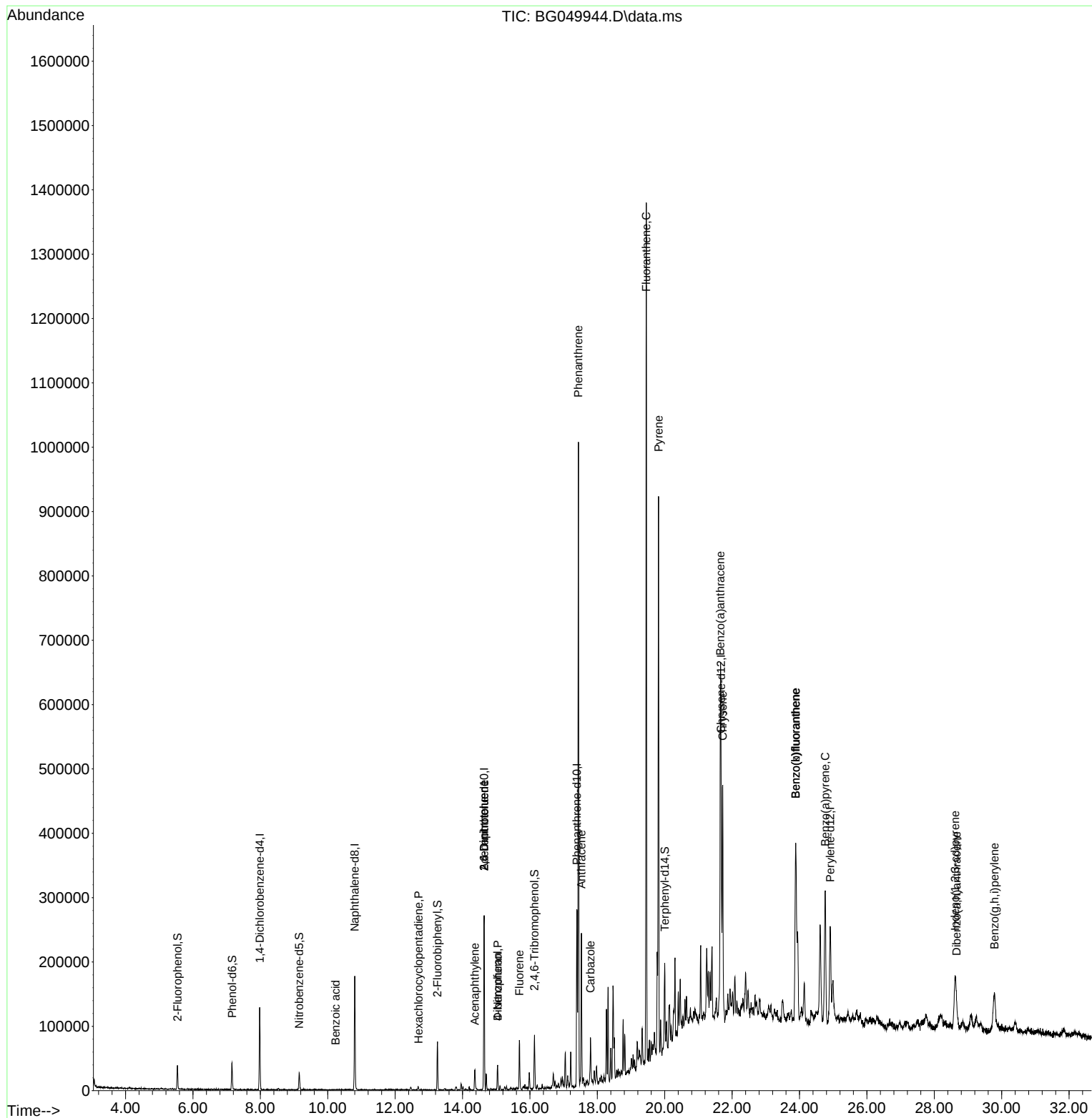
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.980	152	34303	20.000	ng	0.00
21) Naphthalene-d8	10.800	136	145168	20.000	ng	#-0.01
39) Acenaphthene-d10	14.641	164	95642	20.000	ng	0.00
64) Phenanthrene-d10	17.391	188	178093	20.000	ng	#-0.01
76) Chrysene-d12	21.673	240	145866	20.000	ng	0.00
86) Perylene-d12	24.910	264	156603	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.542	112	16025	8.374	ng	0.00
7) Phenol-d6	7.157	99	24142	8.334	ng	0.00
23) Nitrobenzene-d5	9.149	82	17403	5.305	ng	-0.01
42) 2,4,6-Tribromophenol	16.134	330	11526	8.199	ng	-0.01
45) 2-Fluorobiphenyl	13.255	172	38095	5.796	ng	0.00
79) Terphenyl-d14	20.005	244	45556	5.672	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.236	122	60	4.986	ng	# 1
41) Hexachlorocyclopentadiene	12.697	237	60	3.578	ng	# 31
49) Acenaphthylene	14.365	152	27808	3.225	ng	98
51) 2,6-Dinitrotoluene	14.641	165	13429	8.452	ng	# 12
55) Dibenzofuran	15.041	168	21658	2.570	ng	# 98
56) 4-Nitrophenol	15.041	139	9716	8.584	ng	# 1
57) 2,4-Dinitrotoluene	14.641	165	13429	6.018	ng	# 17
58) Fluorene	15.687	166	34806	5.082	ng	99
71) Phenanthrene	17.438	178	605633	64.637	ng	98
72) Anthracene	17.526	178	144651	15.720	ng	96
73) Carbazole	17.796	167	44126	5.063	ng	98
75) Fluoranthene	19.453	202	810209	70.270	ng	99
78) Pyrene	19.817	202	573123	57.633	ng	98
81) Benzo(a)anthracene	21.650	228	320086	33.696	ng	98
83) Chrysene	21.720	228	273032	30.068	ng	98
87) Indeno(1,2,3-cd)pyrene	28.617	276	152883	13.537	ng	# 95
88) Benzo(b)fluoranthene	23.888	252	360459	35.095	ng	95
89) Benzo(k)fluoranthene	23.888	252	360459	37.625	ng	99
90) Benzo(a)pyrene	24.763	252	237194	25.518	ng	93
91) Dibenzo(a,h)anthracene	28.658	278	45394	4.770	ng	# 93
92) Benzo(g,h,i)perylene	29.786	276	137860	14.786	ng	99

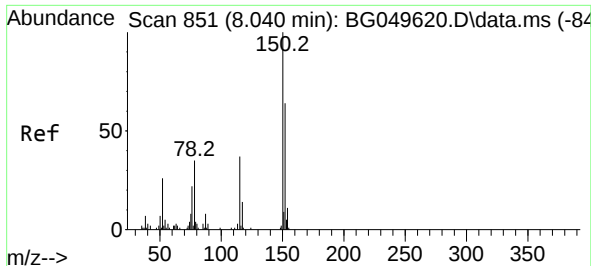
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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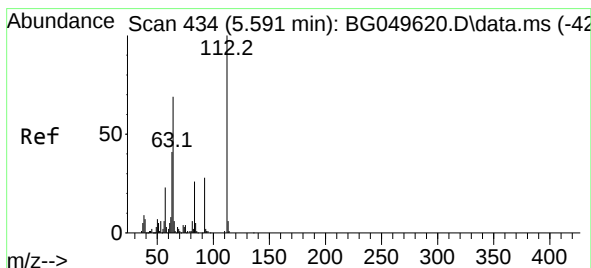
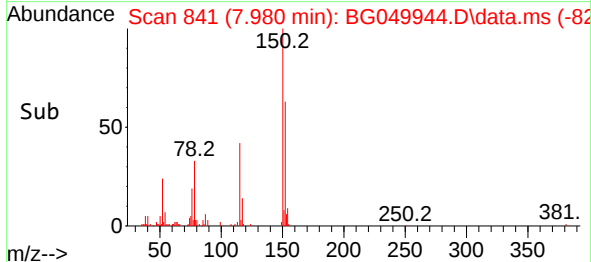
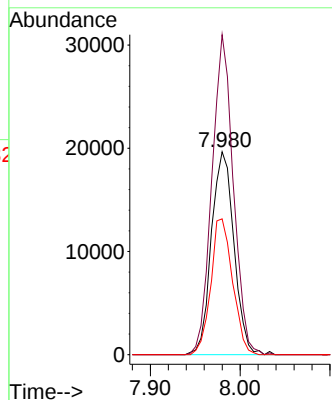
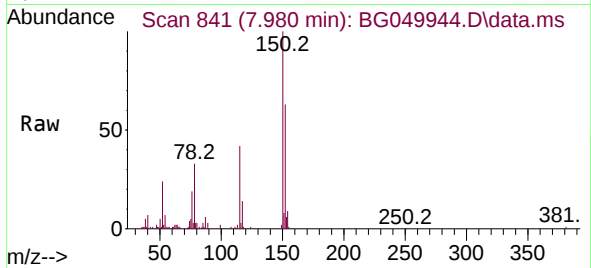




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.980 min Scan# 841
Delta R.T. -0.006 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

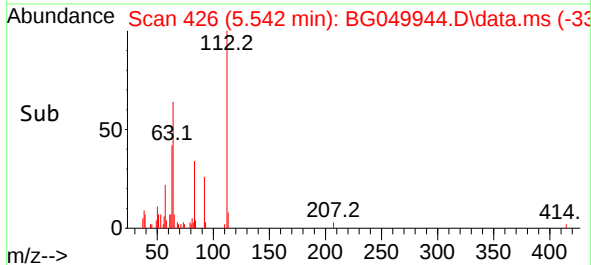
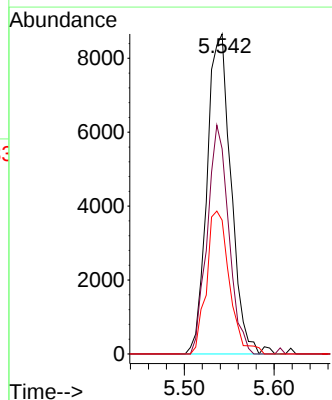
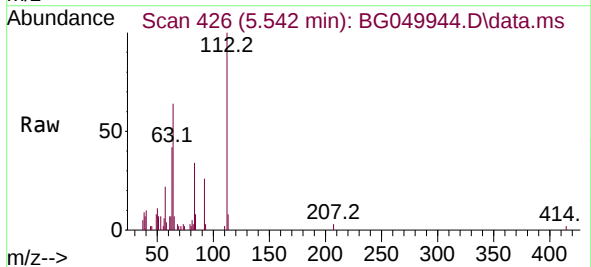
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

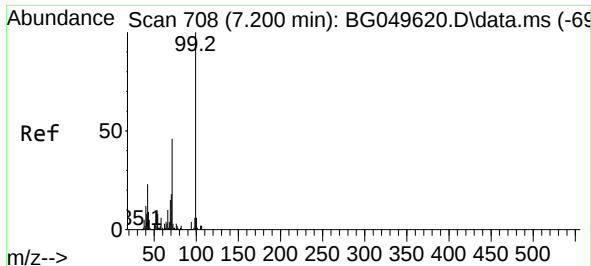
Tgt Ion:152 Resp: 34303
Ion Ratio Lower Upper
152 100
150 157.7 119.4 179.0
115 66.9 60.2 90.4



#5
2-Fluorophenol
Concen: 8.374 ng
RT: 5.542 min Scan# 426
Delta R.T. 0.006 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

Tgt Ion:112 Resp: 16025
Ion Ratio Lower Upper
112 100
64 64.1 46.7 70.1
63 41.8 35.3 52.9

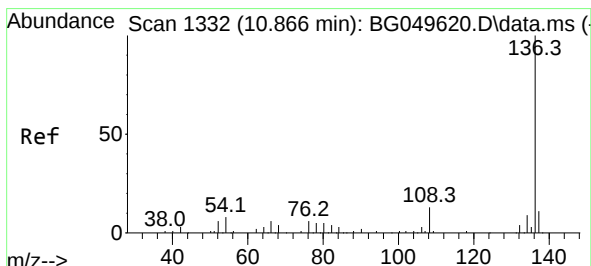
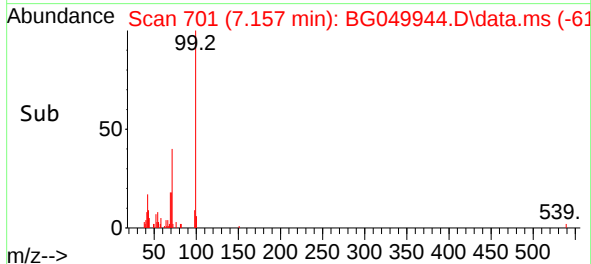
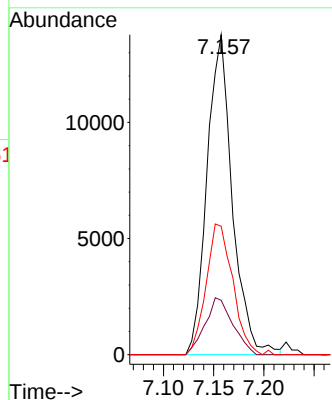
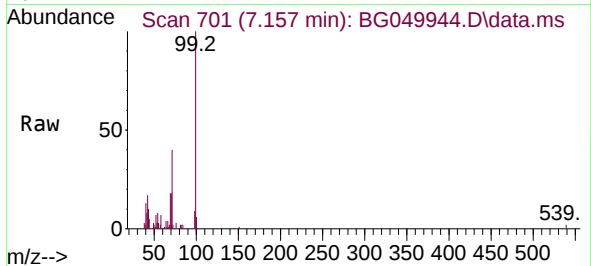




#7
Phenol-d6
Concen: 8.334 ng
RT: 7.157 min Scan# 701
Delta R.T. -0.000 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

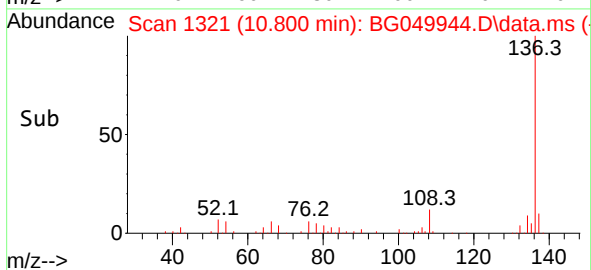
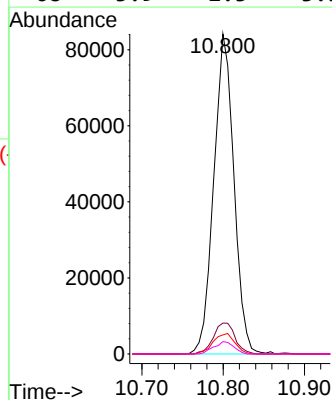
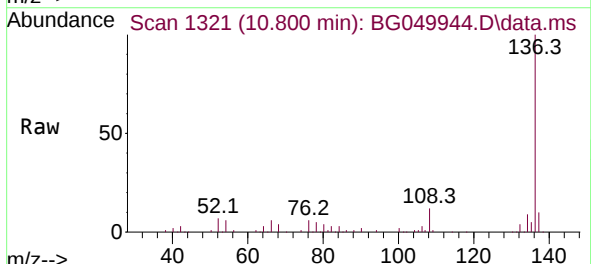
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

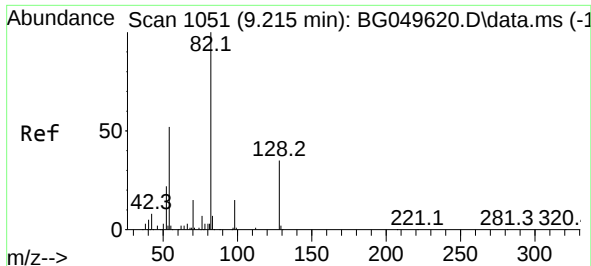
Tgt Ion: 99 Resp: 24142
Ion Ratio Lower Upper
99 100
42 17.0 20.5 30.7#
71 40.1 41.5 62.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.800 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

Tgt Ion:136 Resp: 145168
Ion Ratio Lower Upper
136 100
137 9.7 8.2 12.2
54 6.0 5.5 8.3
68 3.9 2.3 3.5#





#23

Nitrobenzene-d5

Concen: 5.305 ng

RT: 9.149 min Scan# 1040

Delta R.T. -0.012 min

Lab File: BG049944.D

Acq: 23 Aug 2021 22:18

Instrument :

BNA_G

ClientSampleId :

SWCS-07-0002DL

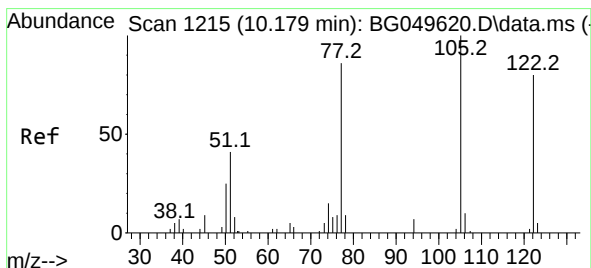
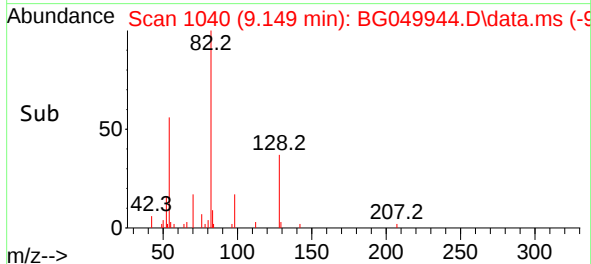
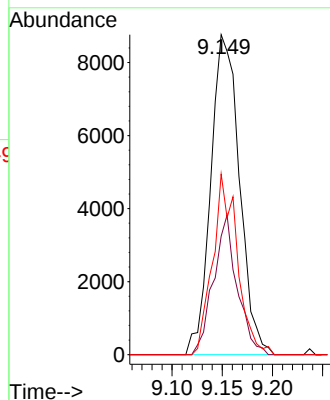
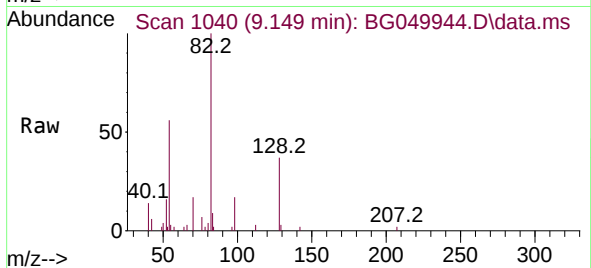
Tgt Ion: 82 Resp: 17403

Ion Ratio Lower Upper

82 100

128 37.0 29.8 44.6

54 56.4 45.8 68.8



#32

Benzoic acid

Concen: 4.986 ng

RT: 10.236 min Scan# 1225

Delta R.T. 0.100 min

Lab File: BG049944.D

Acq: 23 Aug 2021 22:18

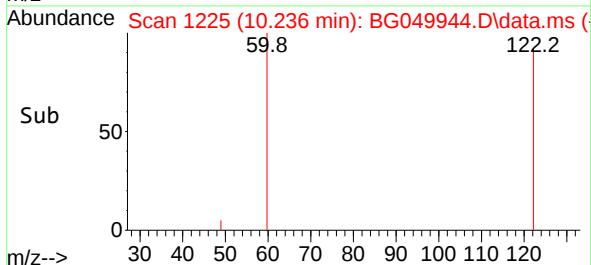
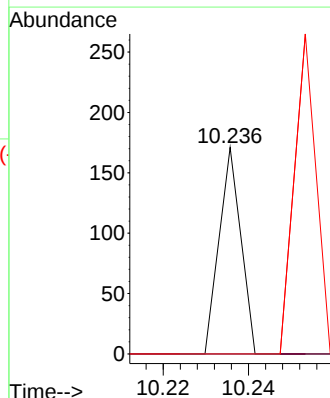
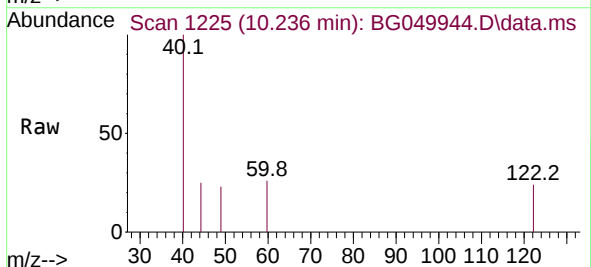
Tgt Ion: 122 Resp: 60

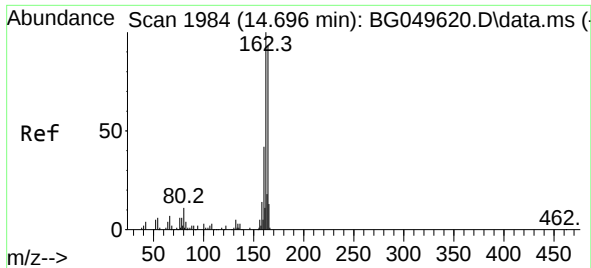
Ion Ratio Lower Upper

122 100

105 0.0 92.3 132.3#

77 0.0 66.5 106.5#

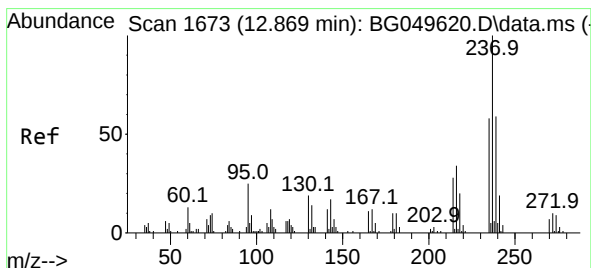
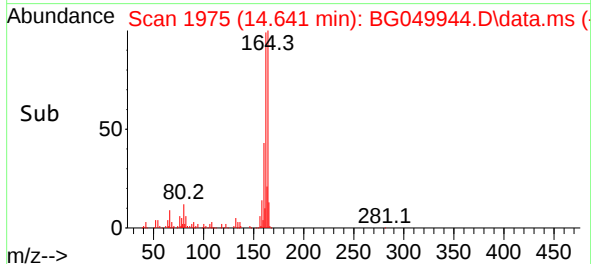
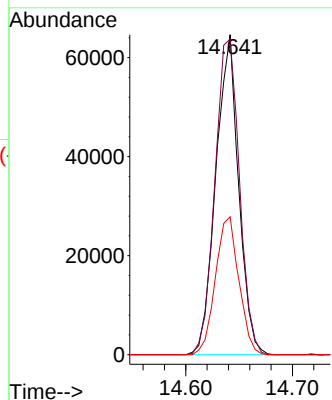
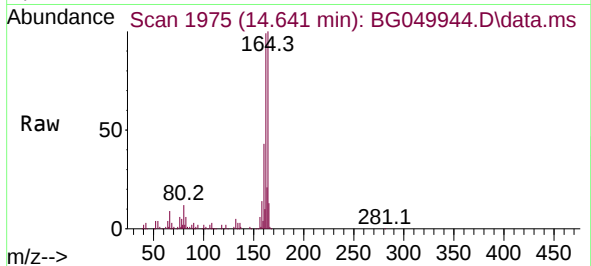




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.641 min Scan# 1975
Delta R.T. -0.006 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

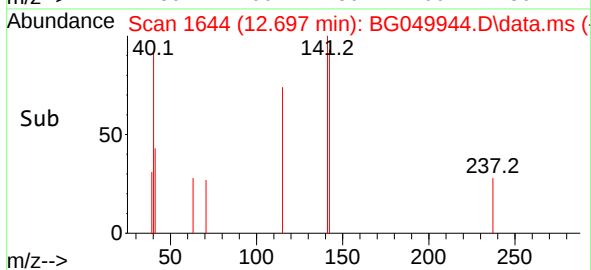
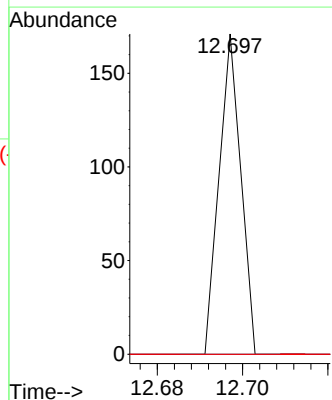
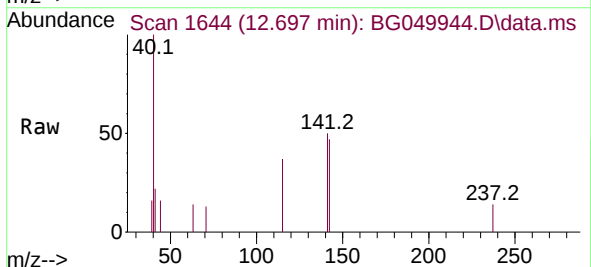
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

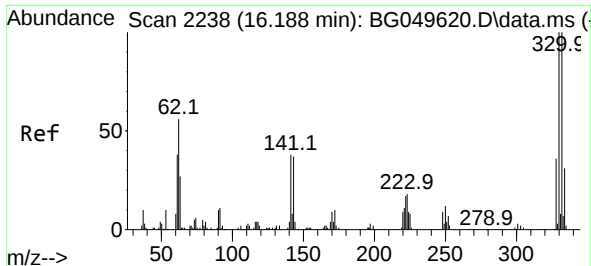
Tgt Ion:164	Resp:	95642
Ion Ratio	Lower	Upper
164	100	
162	98.7	81.4 122.0
160	43.1	34.9 52.3



#41
Hexachlorocyclopentadiene
Concen: 3.578 ng
RT: 12.697 min Scan# 1644
Delta R.T. -0.118 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

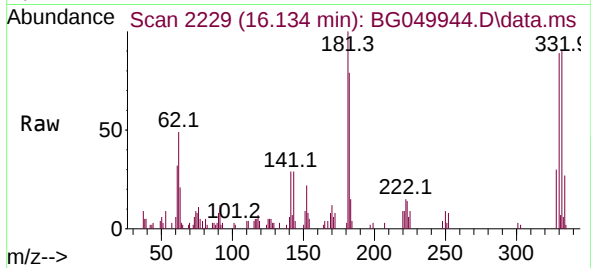
Tgt Ion:237	Resp:	60
Ion Ratio	Lower	Upper
237	100	
235	0.0	36.6 76.6#
272	0.0	0.0 32.5



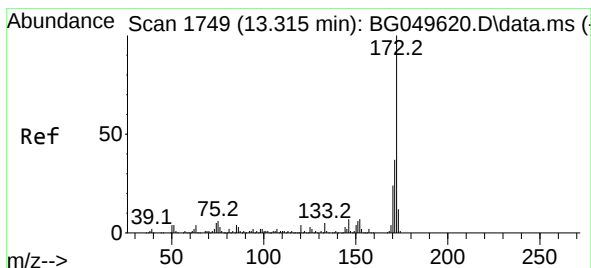
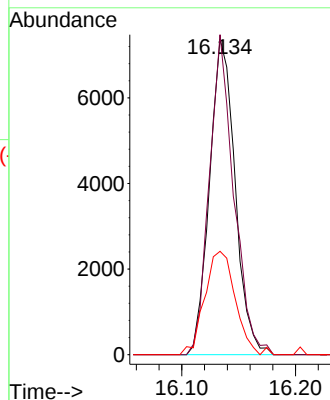
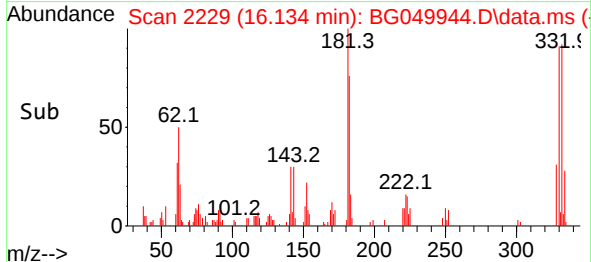


#42
2,4,6-Tribromophenol
Concen: 8.199 ng
RT: 16.134 min Scan# 2229
Delta R.T. -0.012 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

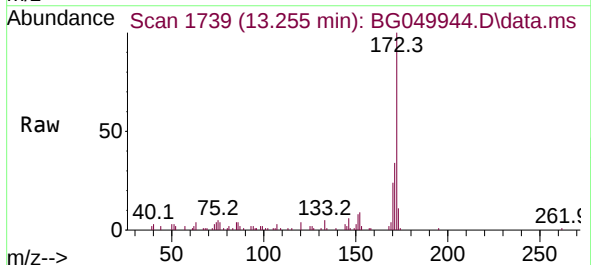
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL



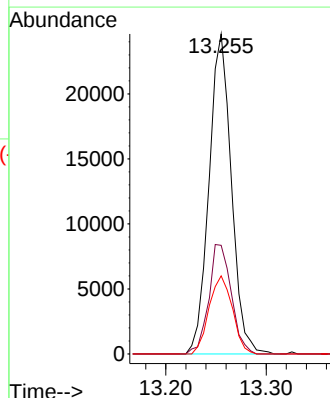
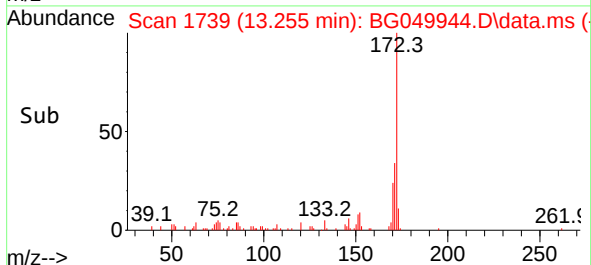
Tgt Ion:330 Resp: 11526
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 39.3 35.6 53.4

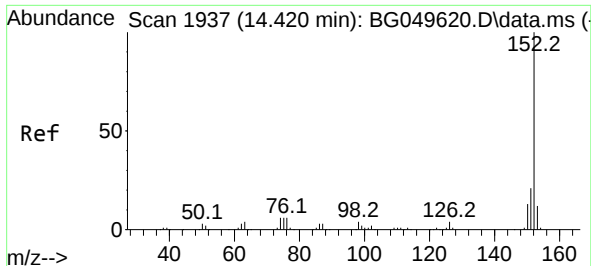


#45
2-Fluorobiphenyl
Concen: 5.796 ng
RT: 13.255 min Scan# 1739
Delta R.T. -0.006 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18



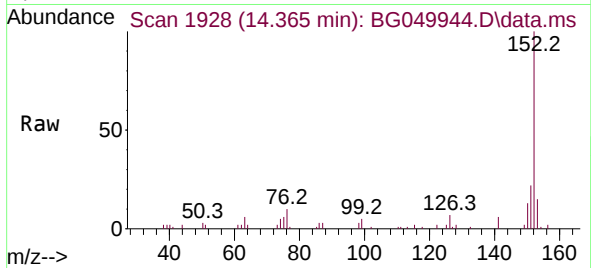
Tgt Ion:172 Resp: 38095
Ion Ratio Lower Upper
172 100
171 33.9 28.6 43.0
170 24.4 18.6 27.8



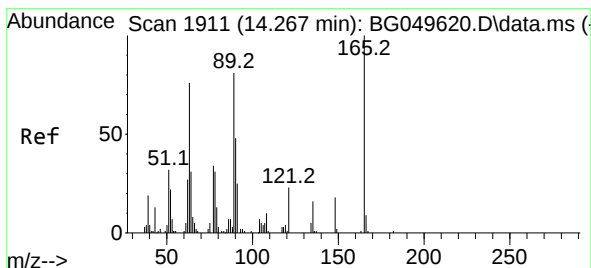
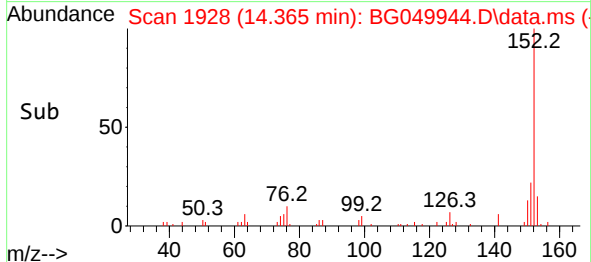
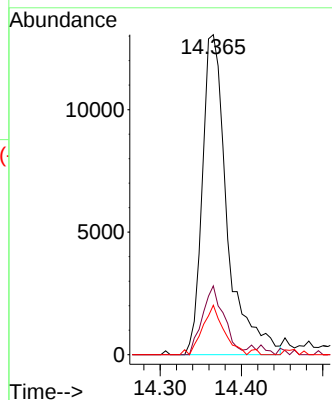


#49
Acenaphthylene
Concen: 3.225 ng
RT: 14.365 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

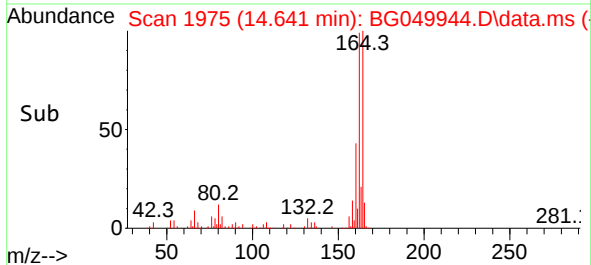
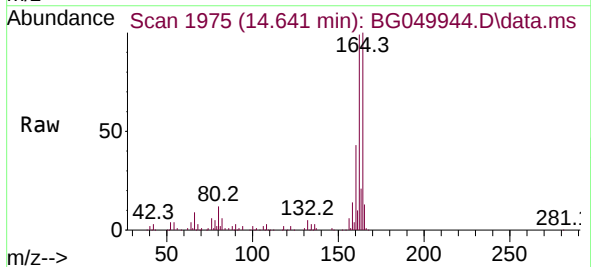
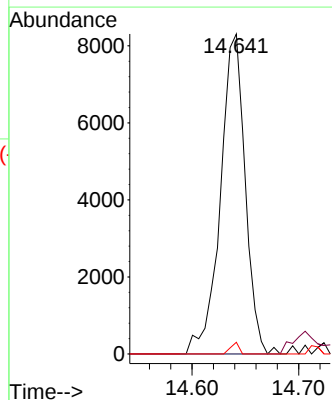


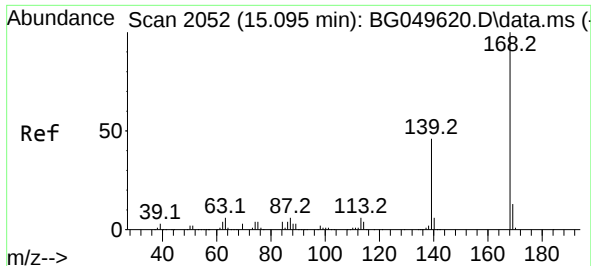
Tgt Ion:152 Resp: 27808
Ion Ratio Lower Upper
152 100
151 21.5 18.2 27.4
153 15.4 11.7 17.5



#51
2,6-Dinitrotoluene
Concen: 8.452 ng
RT: 14.641 min Scan# 1975
Delta R.T. 0.417 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

Tgt Ion:165 Resp: 13429
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 3.7 63.4 95.0#

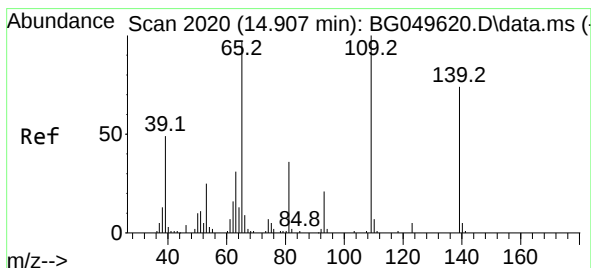
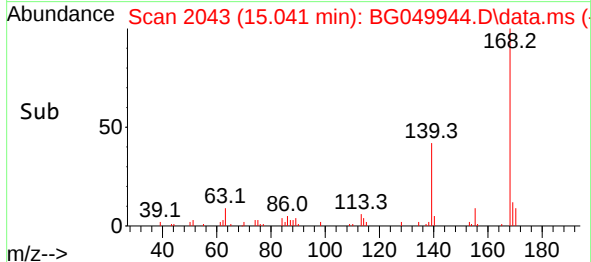
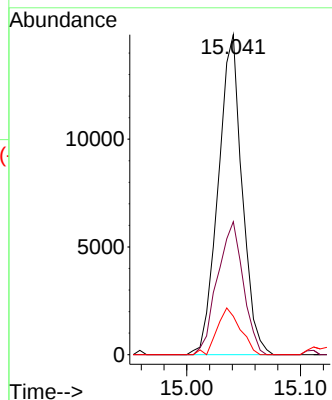
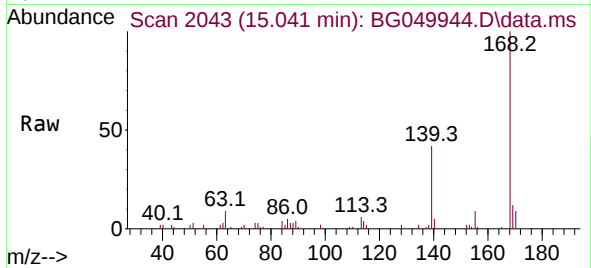




#55
Dibenzofuran
Concen: 2.570 ng
RT: 15.041 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

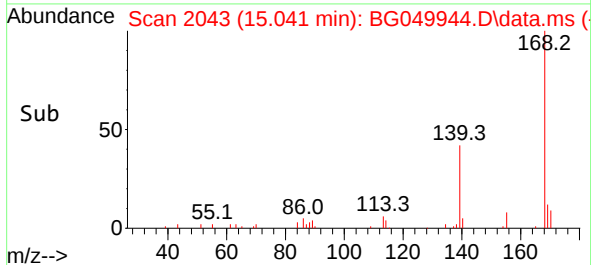
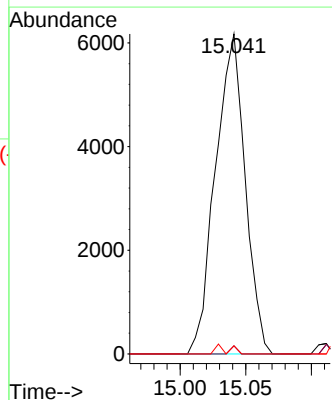
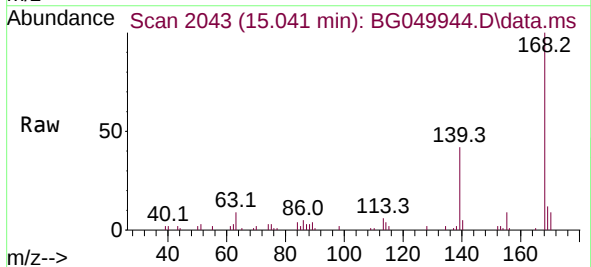
Instrument :
BNA_G
ClientSampleID :
SWCS-07-0002DL

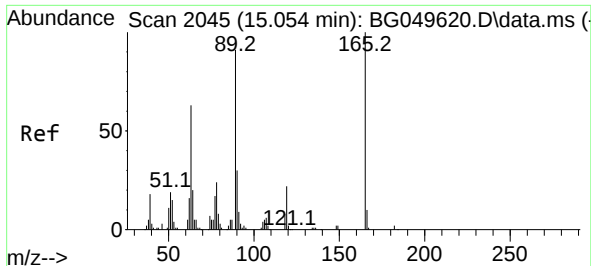
Tgt Ion:168 Resp: 21658
Ion Ratio Lower Upper
168 100
139 41.6 33.4 50.2
169 12.0 12.3 18.5#



#56
4-Nitrophenol
Concen: 8.584 ng
RT: 15.041 min Scan# 2043
Delta R.T. 0.153 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

Tgt Ion:139 Resp: 9716
Ion Ratio Lower Upper
139 100
109 2.5 116.3 156.3#
65 2.6 105.0 145.0#

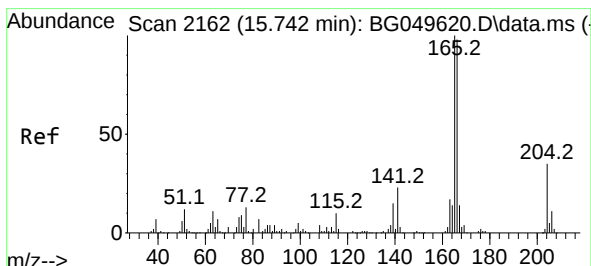
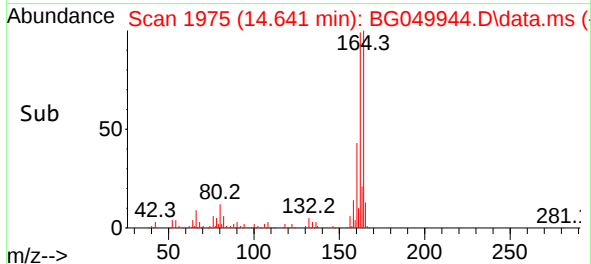
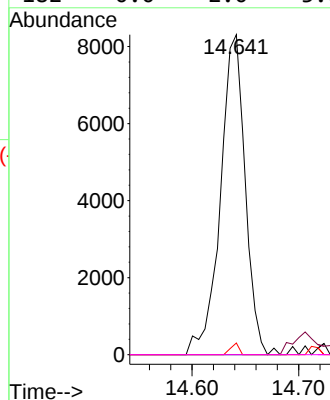
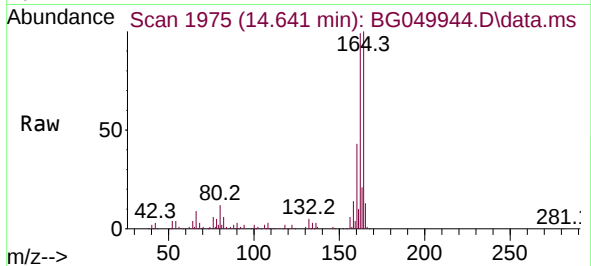




#57
2,4-Dinitrotoluene
Concen: 6.018 ng
RT: 14.641 min Scan# 1975
Delta R.T. -0.376 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

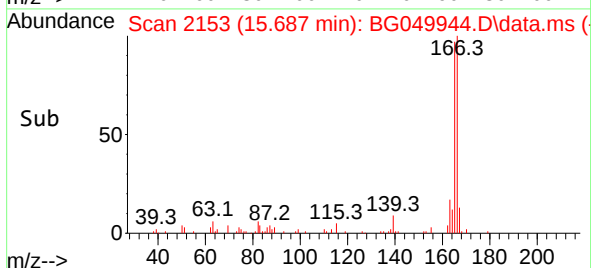
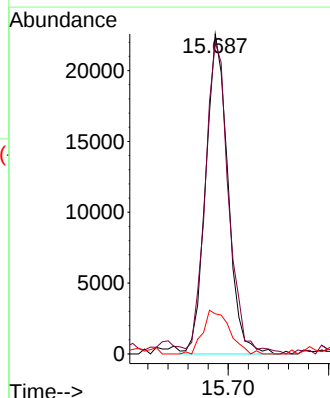
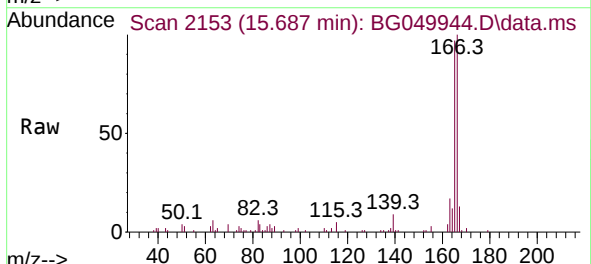
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

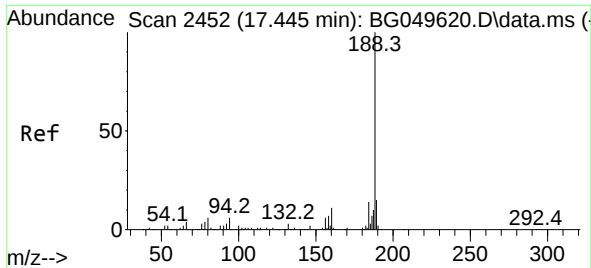
Tgt Ion:165	Resp:	13429
Ion Ratio	Lower	Upper
165	100	
63	0.0	48.0
89	3.7	65.4
182	0.0	2.0



#58
Fluorene
Concen: 5.082 ng
RT: 15.687 min Scan# 2153
Delta R.T. -0.012 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

Tgt Ion:166	Resp:	34806
Ion Ratio	Lower	Upper
166	100	
165	97.3	77.7
167	12.5	10.8

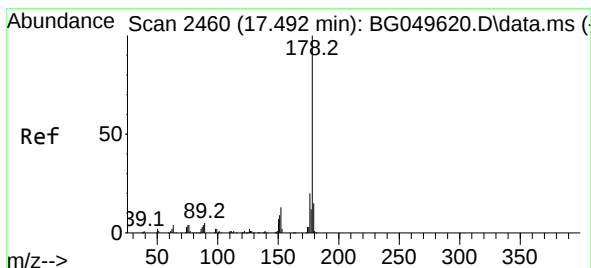
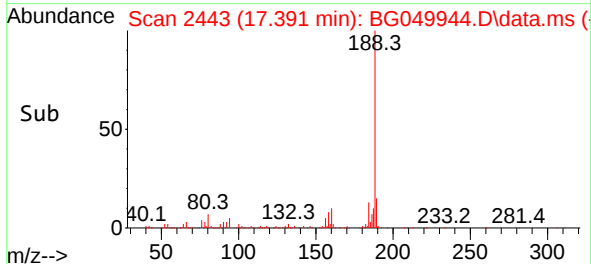
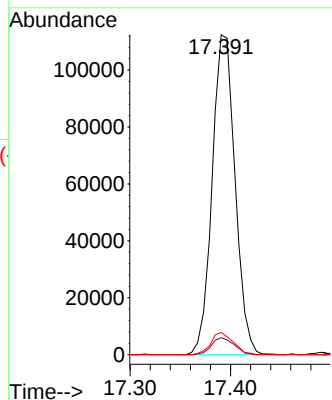
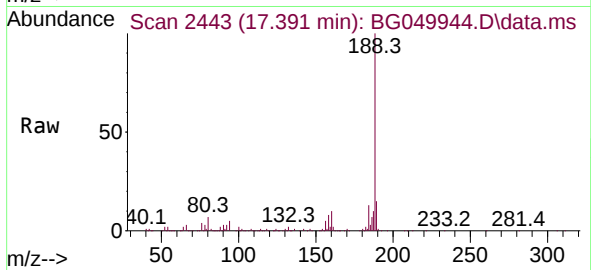




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.391 min Scan# 2443
Delta R.T. -0.012 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

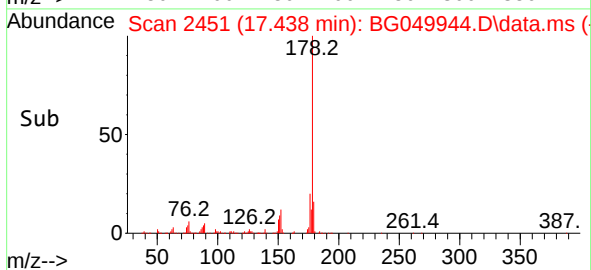
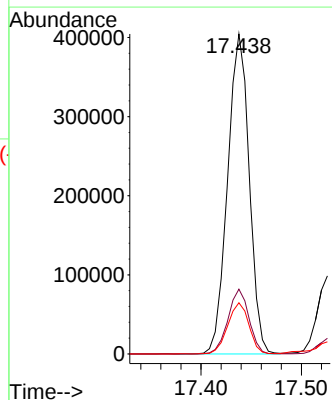
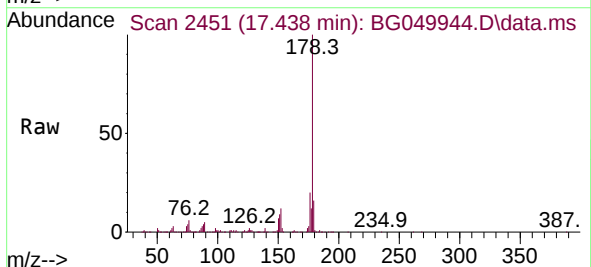
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

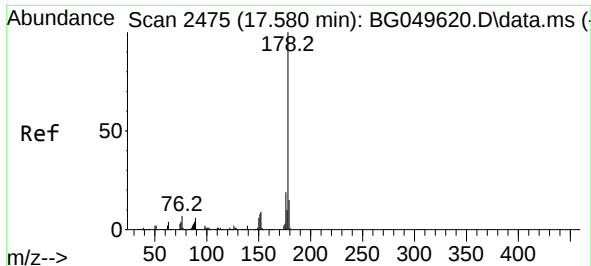
Tgt Ion:188 Resp: 178093
Ion Ratio Lower Upper
188 100
94 5.3 5.4 8.0#
80 7.0 3.7 5.5#



#71
Phenanthrene
Concen: 64.637 ng
RT: 17.438 min Scan# 2451
Delta R.T. -0.006 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

Tgt Ion:178 Resp: 605633
Ion Ratio Lower Upper
178 100
176 20.3 16.0 24.0
179 16.0 14.2 21.4

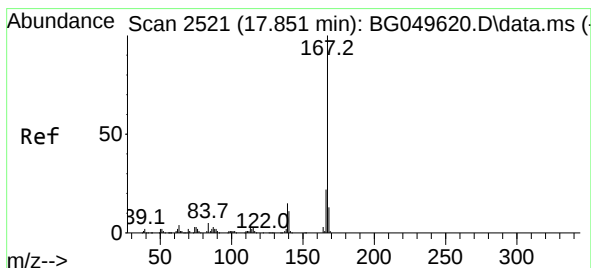
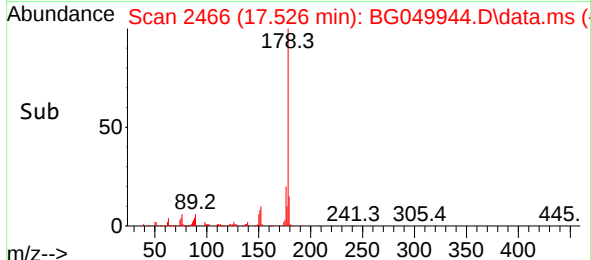
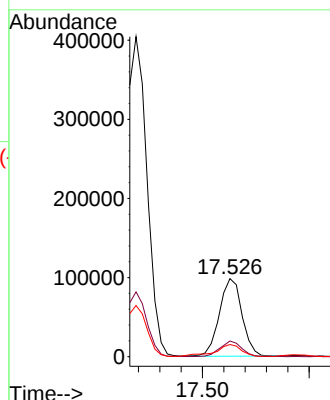
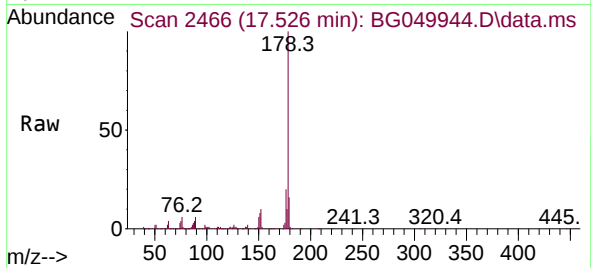




#72
 Anthracene
 Concen: 15.720 ng
 RT: 17.526 min Scan# 2466
 Delta R.T. -0.012 min
 Lab File: BG049944.D
 Acq: 23 Aug 2021 22:18

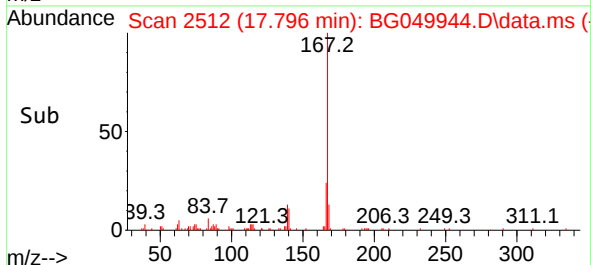
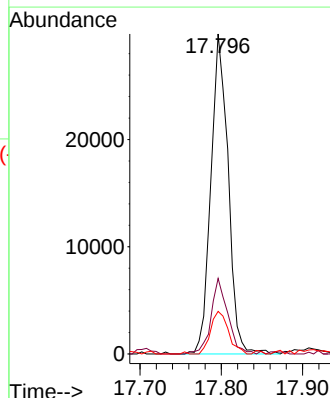
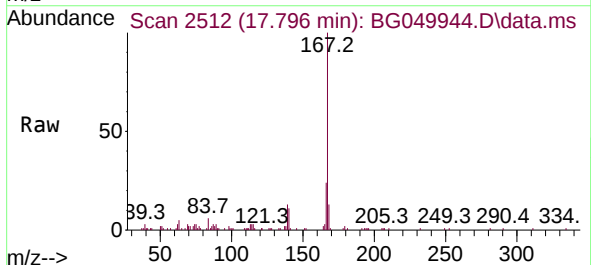
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-07-0002DL

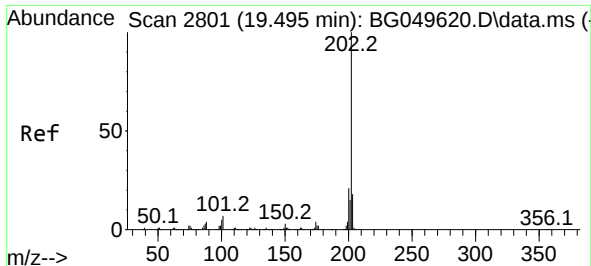
Tgt Ion:178 Resp: 144651
 Ion Ratio Lower Upper
 178 100
 176 20.2 14.6 21.8
 179 15.5 13.4 20.0



#73
 Carbazole
 Concen: 5.063 ng
 RT: 17.796 min Scan# 2512
 Delta R.T. -0.012 min
 Lab File: BG049944.D
 Acq: 23 Aug 2021 22:18

Tgt Ion:167 Resp: 44126
 Ion Ratio Lower Upper
 167 100
 166 23.6 17.4 26.2
 139 13.3 10.7 16.1

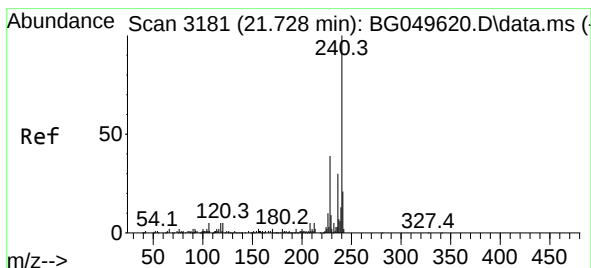
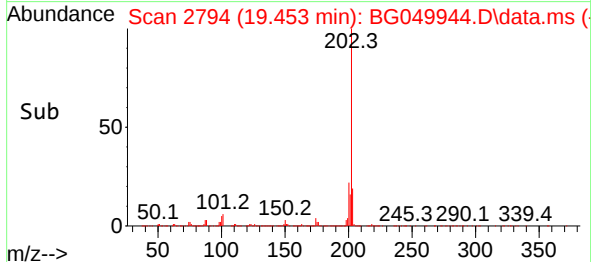
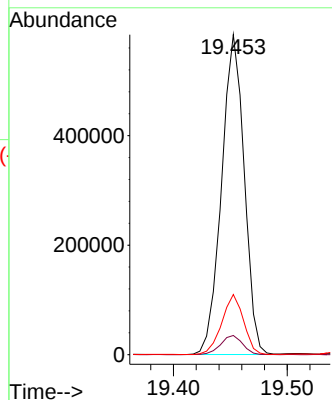
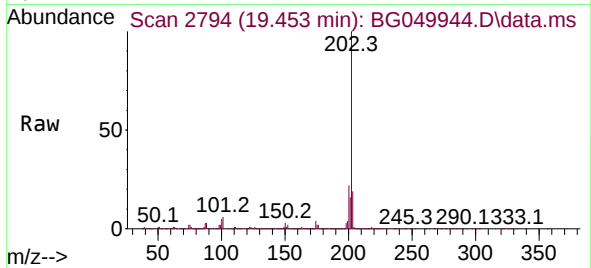




#75
Fluoranthene
Concen: 70.270 ng
RT: 19.453 min Scan# 2794
Delta R.T. -0.006 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

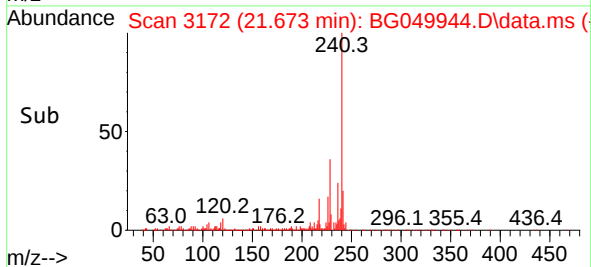
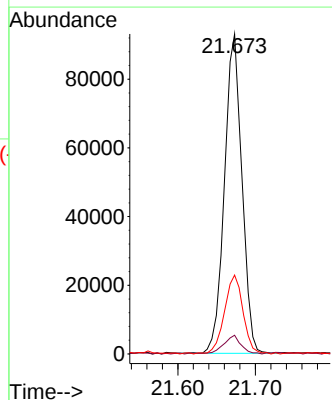
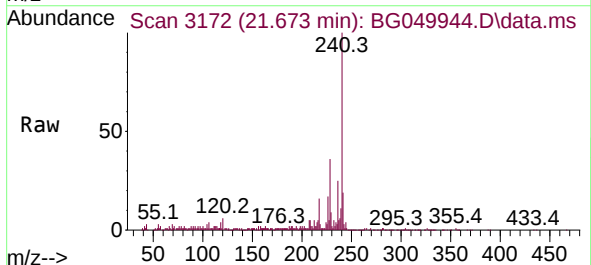
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

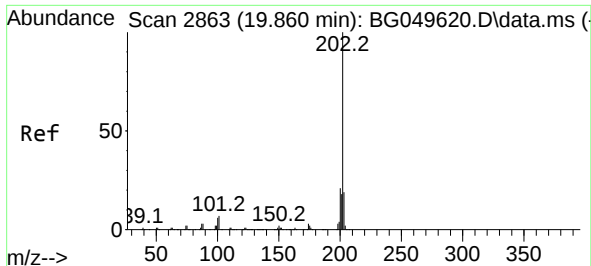
Tgt Ion:202 Resp: 810209
Ion Ratio Lower Upper
202 100
101 6.0 0.0 24.7
203 18.8 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.673 min Scan# 3172
Delta R.T. -0.006 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

Tgt Ion:240 Resp: 145866
Ion Ratio Lower Upper
240 100
120 5.8 4.2 6.2
236 24.6 21.8 32.6

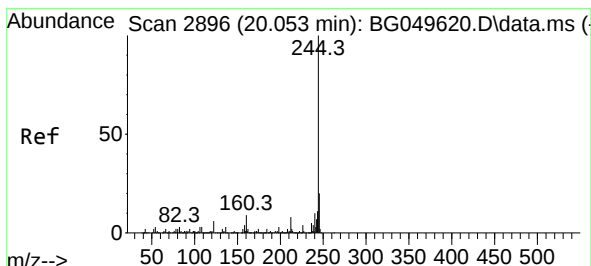
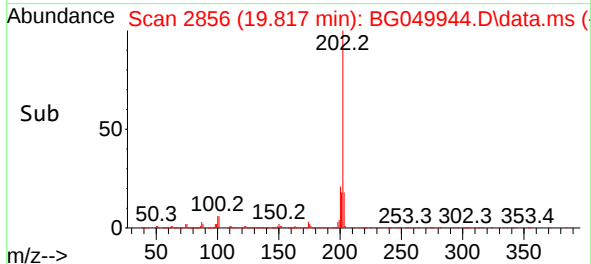
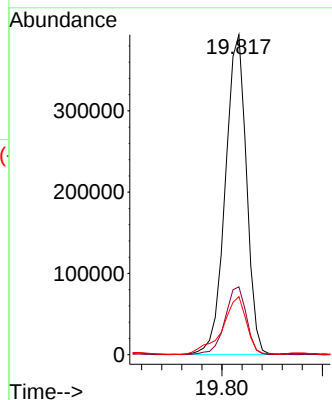
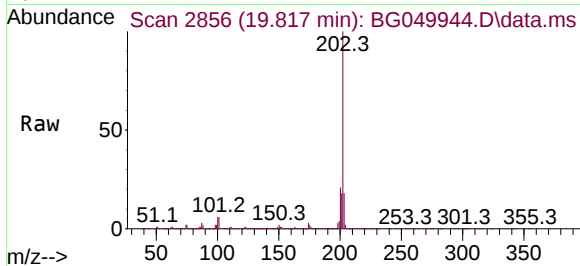




#78
Pyrene
Concen: 57.633 ng
RT: 19.817 min Scan# 2856
Delta R.T. -0.000 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

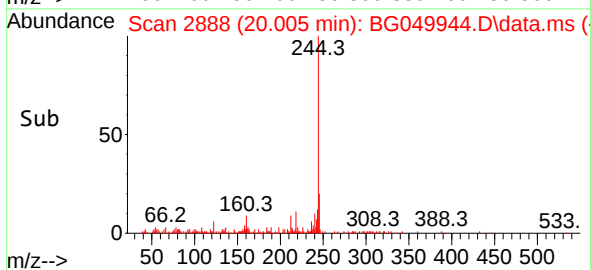
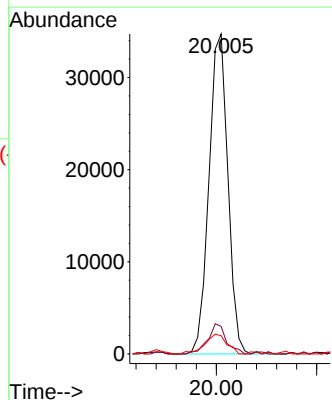
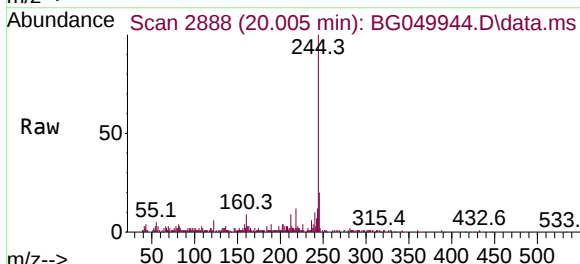
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

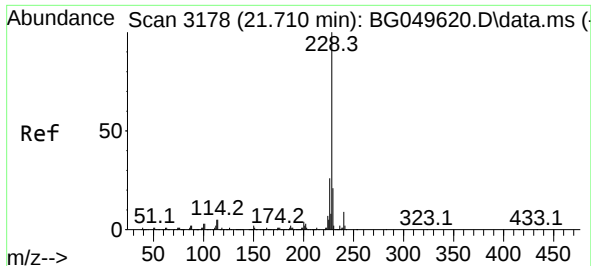
Tgt Ion:202	Resp:	573123
Ion Ratio	Lower	Upper
202	100	
200	21.2	15.8 23.8
203	18.1	14.6 21.8



#79
Terphenyl-d14
Concen: 5.672 ng
RT: 20.005 min Scan# 2888
Delta R.T. -0.006 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

Tgt Ion:244	Resp:	45556
Ion Ratio	Lower	Upper
244	100	
212	8.6	6.9 10.3
122	5.7	5.0 7.6

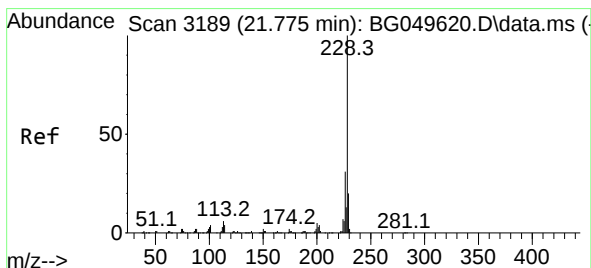
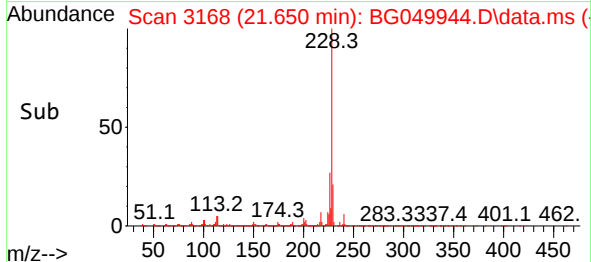
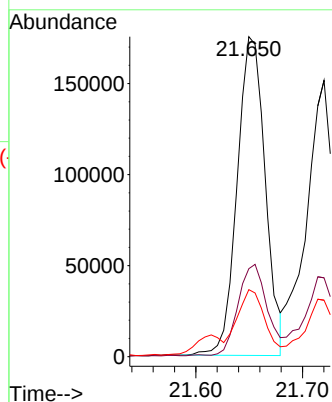
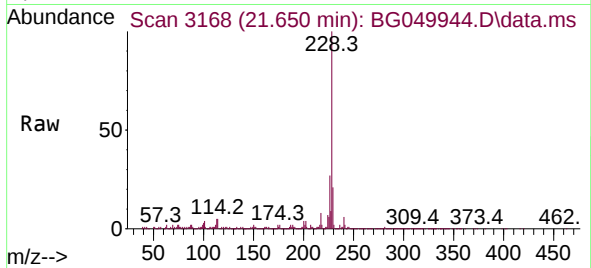




#81
Benzo(a)anthracene
Concen: 33.696 ng
RT: 21.650 min Scan# 3168
Delta R.T. -0.006 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

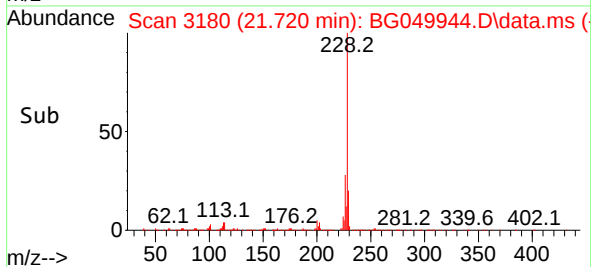
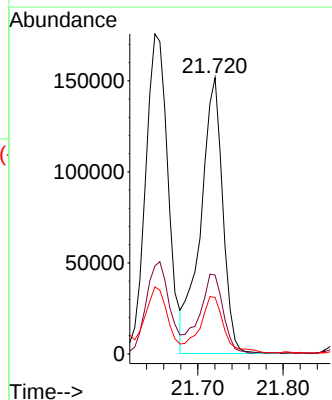
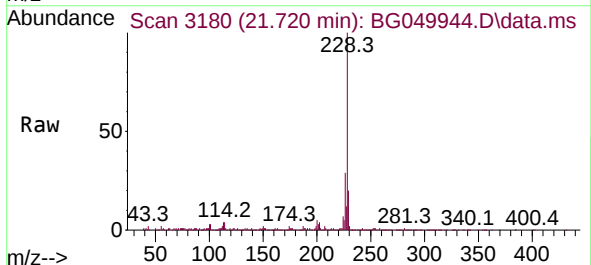
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

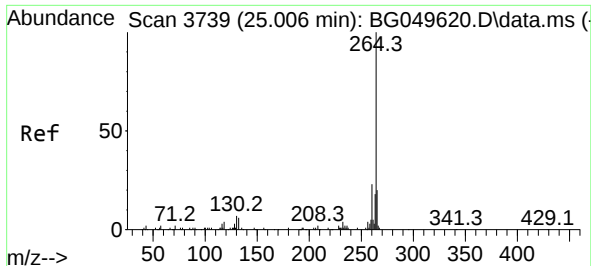
Tgt Ion:228 Resp: 320086
Ion Ratio Lower Upper
228 100
226 27.5 22.7 34.1
229 21.0 16.0 24.0



#83
Chrysene
Concen: 30.068 ng
RT: 21.720 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

Tgt Ion:228 Resp: 273032
Ion Ratio Lower Upper
228 100
226 28.5 23.1 34.7
229 20.5 15.3 22.9



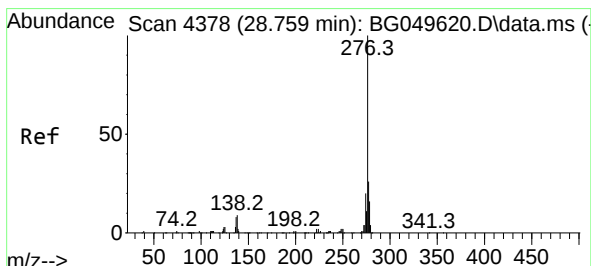
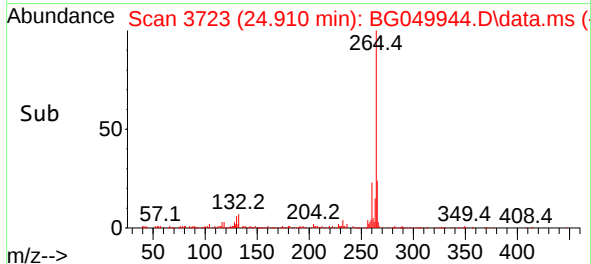
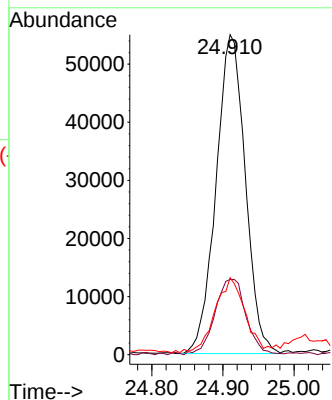
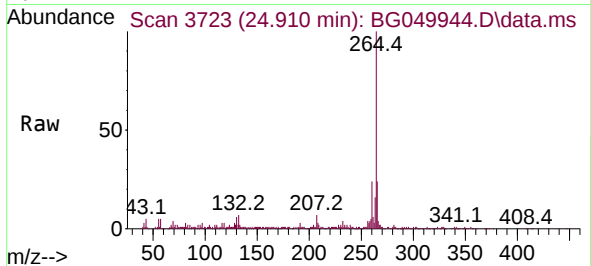


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.910 min Scan# 3723
Delta R.T. -0.012 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

Tgt Ion:264 Resp: 156603

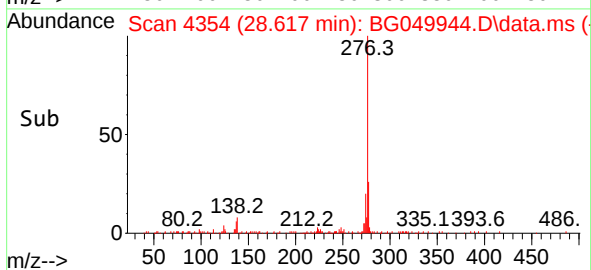
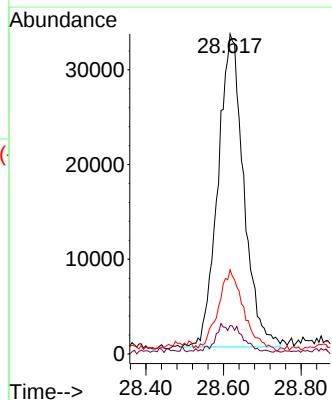
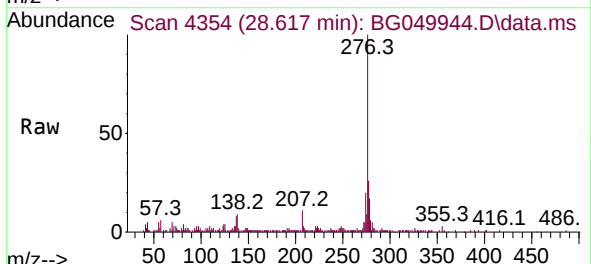
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	24.1	16.9	25.3

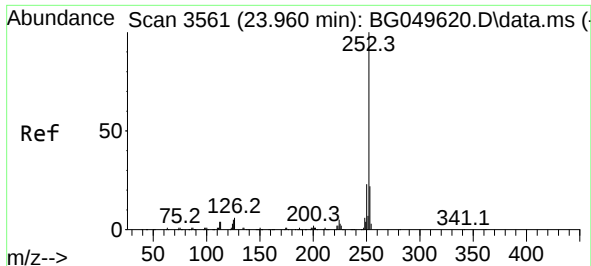


#87
Indeno(1,2,3-cd)pyrene
Concen: 13.537 ng
RT: 28.617 min Scan# 4354
Delta R.T. -0.030 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

Tgt Ion:276 Resp: 152883

Ion	Ratio	Lower	Upper
276	100		
138	0.0	5.1	7.7#
277	25.7	19.8	29.6

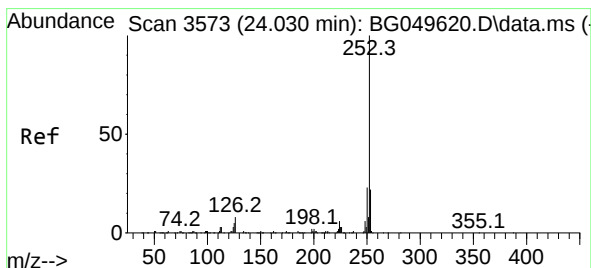
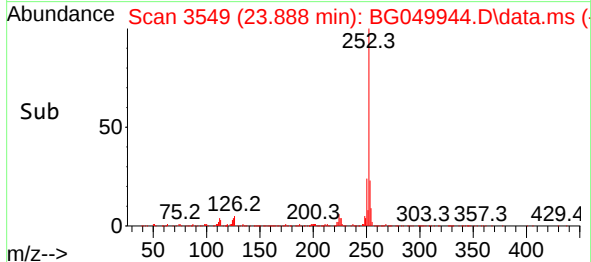
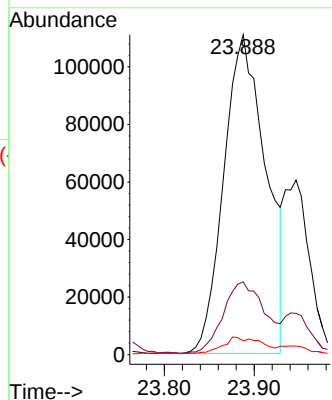
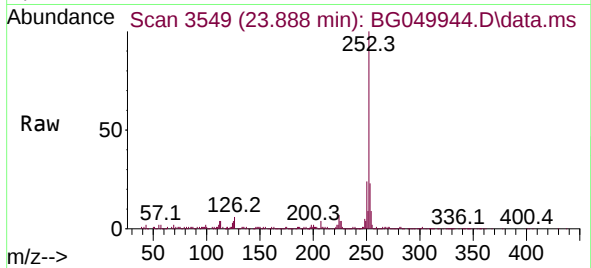




#88
Benzo(b)fluoranthene
Concen: 35.095 ng
RT: 23.888 min Scan# 3549
Delta R.T. -0.006 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

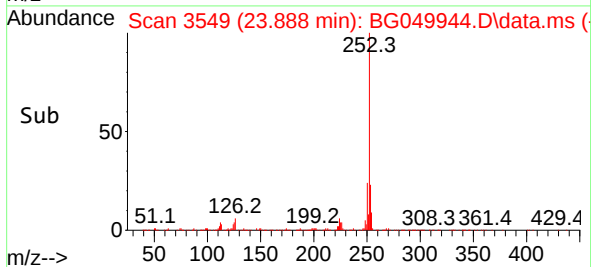
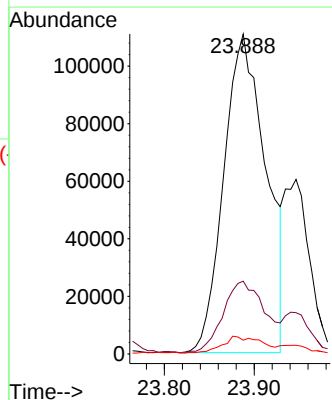
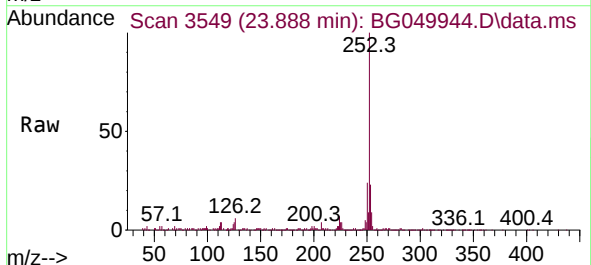
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

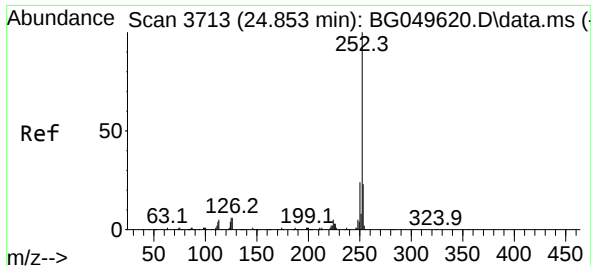
Tgt Ion:252 Resp: 360459
Ion Ratio Lower Upper
252 100
253 22.8 16.2 24.4
125 4.3 3.0 4.4



#89
Benzo(k)fluoranthene
Concen: 37.625 ng
RT: 23.888 min Scan# 3549
Delta R.T. -0.071 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

Tgt Ion:252 Resp: 360459
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 4.3 3.1 4.7

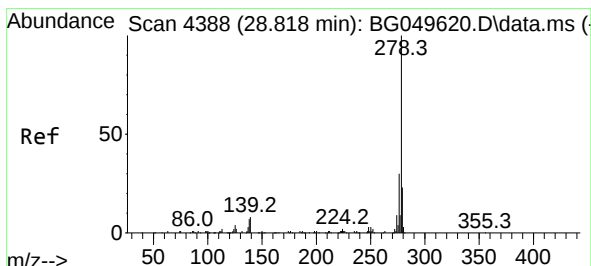
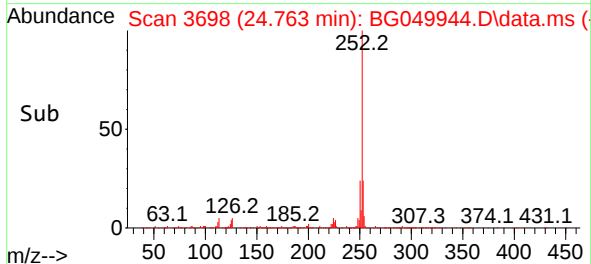
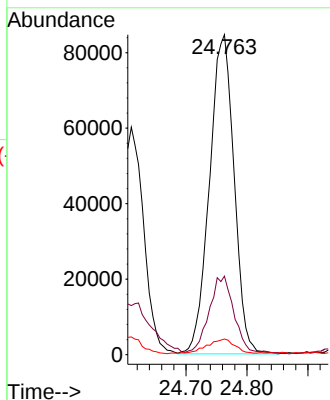
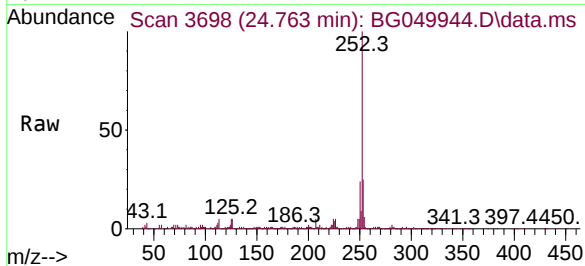




#90
Benzo(a)pyrene
Concen: 25.518 ng
RT: 24.763 min Scan# 3698
Delta R.T. -0.012 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

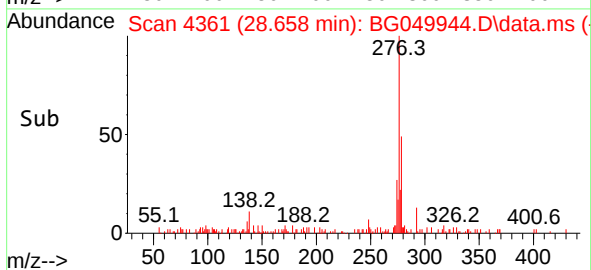
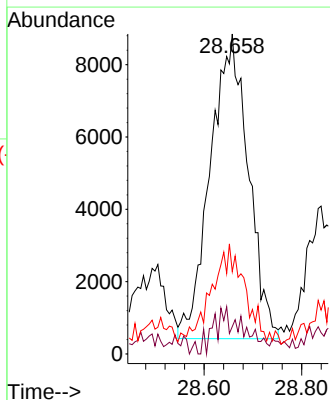
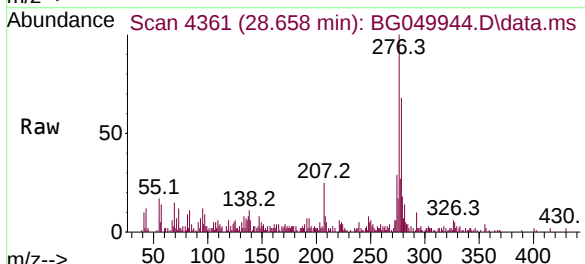
Instrument :
BNA_G
ClientSampleId :
SWCS-07-0002DL

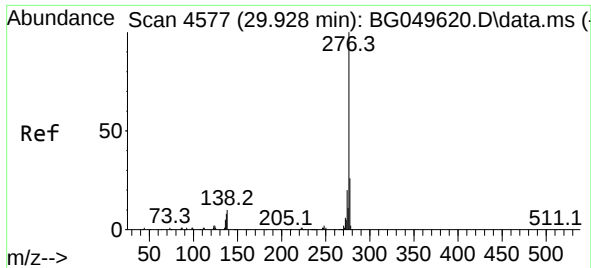
Tgt Ion:252 Resp: 237194
Ion Ratio Lower Upper
252 100
253 24.6 16.6 25.0
125 4.9 3.5 5.3



#91
Dibenzo(a,h)anthracene
Concen: 4.770 ng
RT: 28.658 min Scan# 4361
Delta R.T. -0.041 min
Lab File: BG049944.D
Acq: 23 Aug 2021 22:18

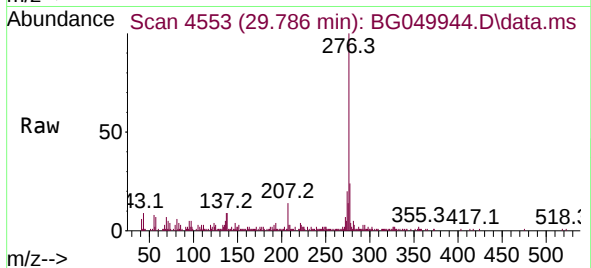
Tgt Ion:278 Resp: 45394
Ion Ratio Lower Upper
278 100
139 8.6 4.6 6.8#
279 25.7 17.9 26.9





#92
 Benzo(g,h,i)perylene
 Concen: 14.786 ng
 RT: 29.786 min Scan# 4553
 Delta R.T. -0.030 min
 Lab File: BG049944.D
 Acq: 23 Aug 2021 22:18

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-07-0002DL



Tgt Ion:	276	Resp:	137860
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.4	27.6
138	9.0	7.0	10.6

