

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082121\
 Data File : BG049922.D
 Acq On : 20 Aug 2021 23:33
 Operator : CG/JU
 Sample : M3419-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0205

Quant Time: Aug 21 05:21:31 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 21 05:13:22 2021
 Response via : Initial Calibration

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

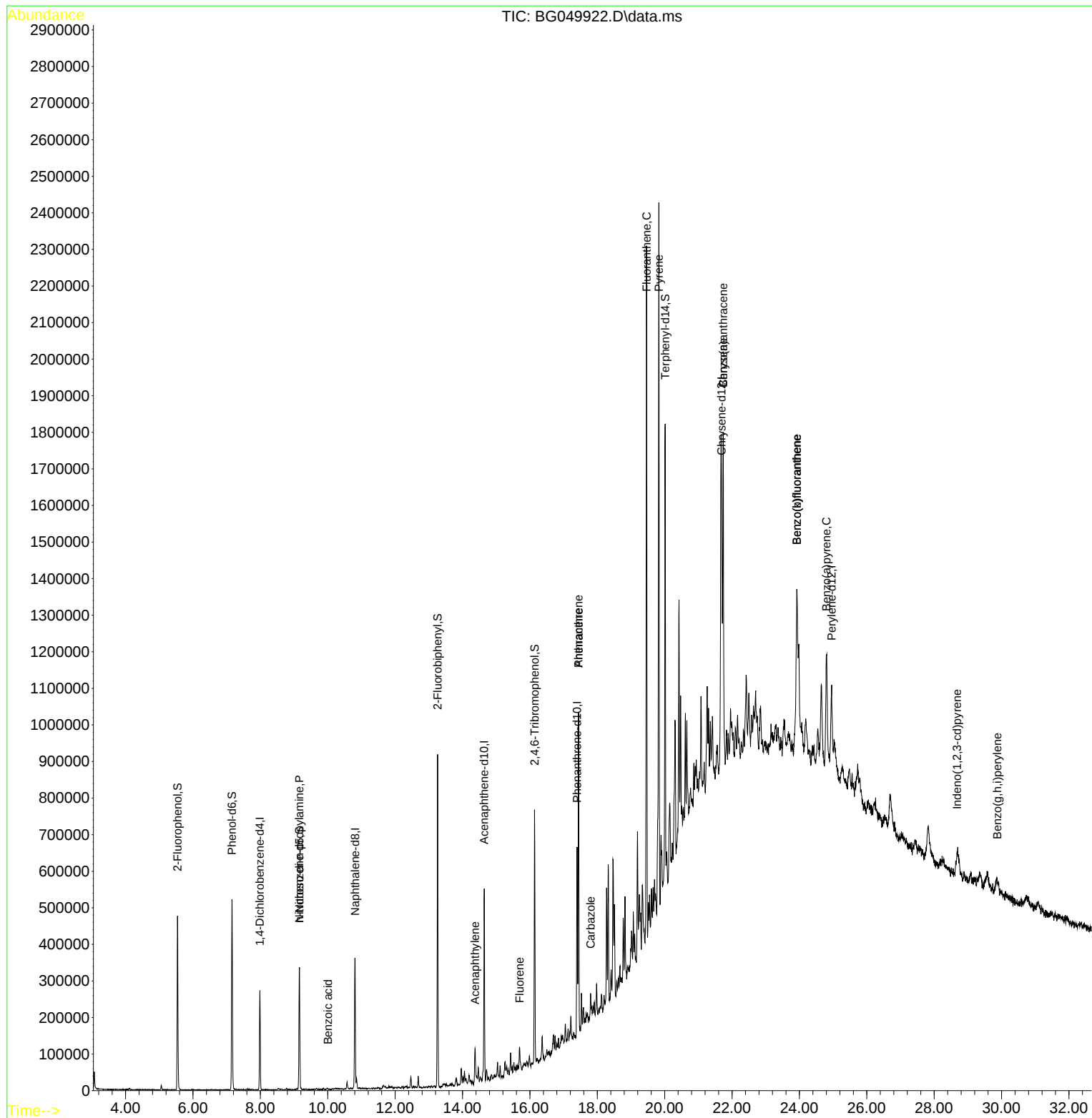
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	74138	20.000	ng	0.00
21) Naphthalene-d8	10.810	136	298325	20.000	ng	# 0.01
39) Acenaphthene-d10	14.646	164	181150	20.000	ng	0.00
64) Phenanthrene-d10	17.401	188	322964	20.000	ng	# 0.01
76) Chrysene-d12	21.689	240	303749	20.000	ng	0.03
86) Perylene-d12	24.955	264	227523	20.000	ng	# 0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	197110	47.660	ng	0.01
7) Phenol-d6	7.156	99	291982	46.639	ng	0.01
23) Nitrobenzene-d5	9.159	82	207914	30.840	ng	0.00
42) 2,4,6-Tribromophenol	16.138	330	127462	47.870	ng	0.00
45) 2-Fluorobiphenyl	13.259	172	441949	35.499	ng	0.00
79) Terphenyl-d14	20.015	244	522575	31.246	ng	0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.159	70	30901	7.376	ng	# 71
32) Benzoic acid	10.005	122	88	4.974	ng	# 36
49) Acenaphthylene	14.370	152	84331	5.163	ng	95
58) Fluorene	15.691	166	29782	2.296	ng	# 93
71) Phenanthrene	17.442	178	524854	30.889	ng	97
72) Anthracene	17.442	178	524854	31.452	ng	97
73) Carbazole	17.800	167	32338	2.046	ng	# 88
75) Fluoranthene	19.463	202	1126093	53.857	ng	98
78) Pyrene	19.827	202	1192396	57.581	ng	95
81) Benzo(a)anthracene	21.736	228	688118	34.786	ng	94
83) Chrysene	21.736	228	688118	36.391	ng	# 93
87) Indeno(1,2,3-cd)pyrene	28.680	276	134416	8.192	ng	# 81
88) Benzo(b)fluoranthene	23.921	252	588707	39.452	ng	# 91
89) Benzo(k)fluoranthene	23.921	252	588707	42.295	ng	# 95
90) Benzo(a)pyrene	24.797	252	380817	28.200	ng	# 92
92) Benzo(g,h,i)perylene	29.872	276	112647	8.316	ng	# 89

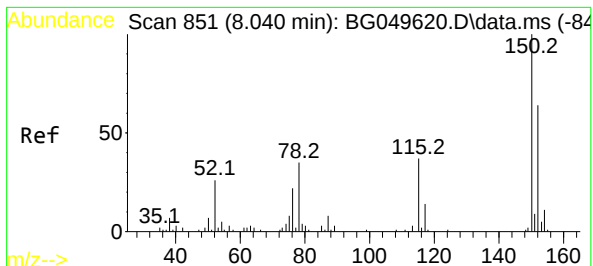
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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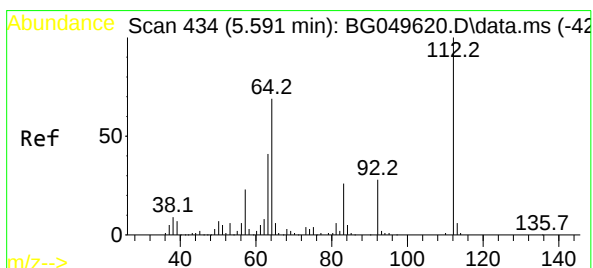
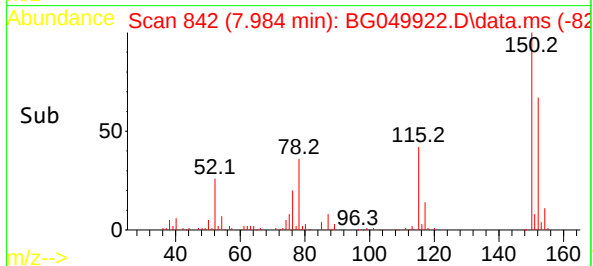
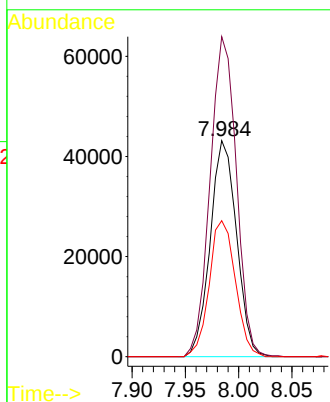
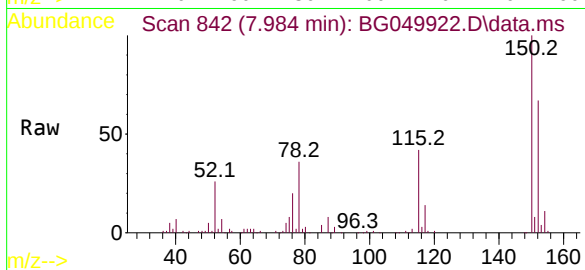




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.984 min Scan# 842
Delta R.T. 0.007 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

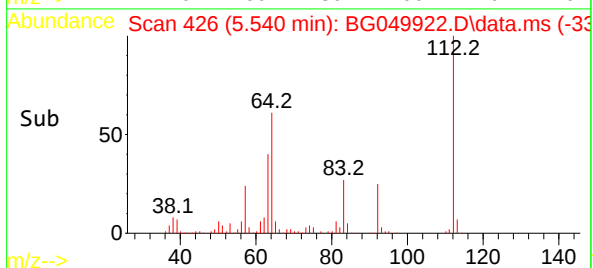
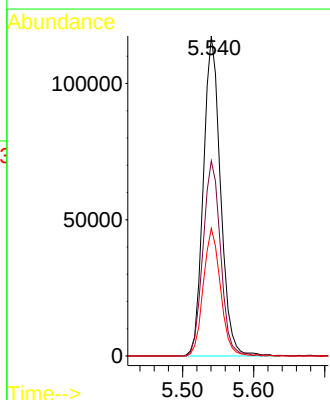
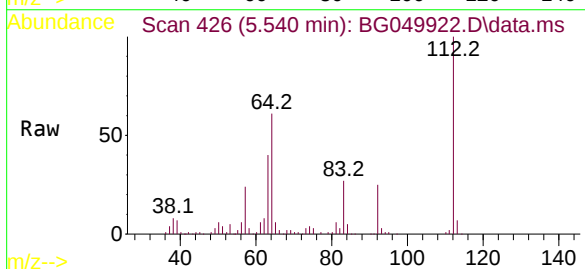
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

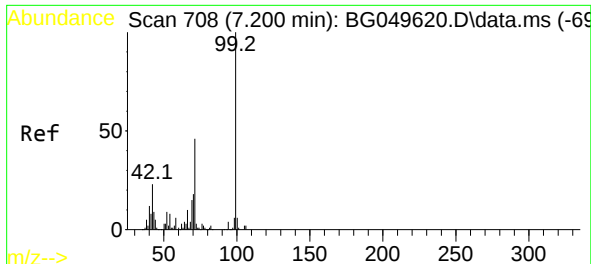
Tgt Ion:152 Resp: 74138
Ion Ratio Lower Upper
152 100
150 148.2 119.4 179.0
115 63.0 60.2 90.4



#5
2-Fluorophenol
Concen: 47.660 ng
RT: 5.540 min Scan# 426
Delta R.T. 0.013 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

Tgt Ion:112 Resp: 197110
Ion Ratio Lower Upper
112 100
64 60.9 46.7 70.1
63 39.9 35.3 52.9

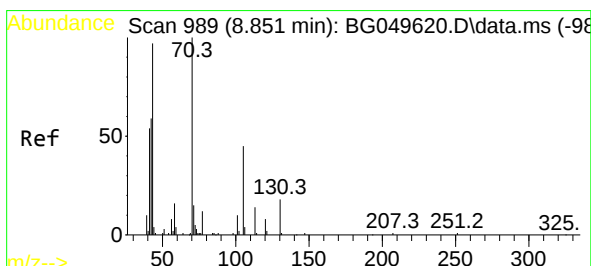
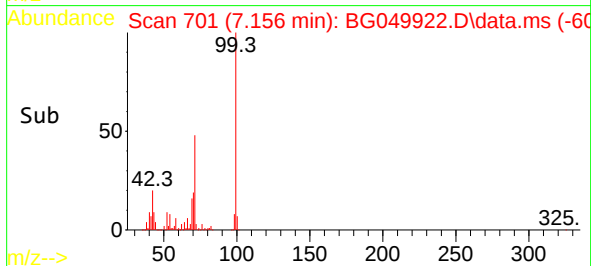
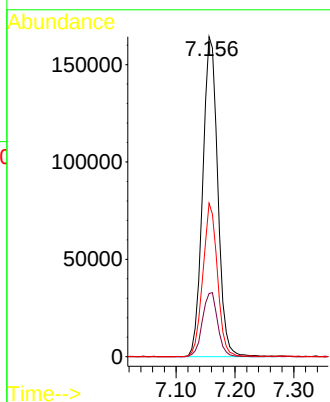
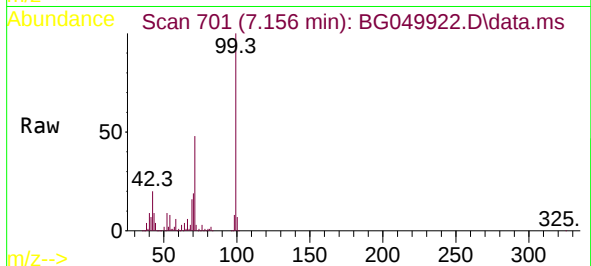




#7
Phenol-d6
Concen: 46.639 ng
RT: 7.156 min Scan# 701
Delta R.T. 0.013 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

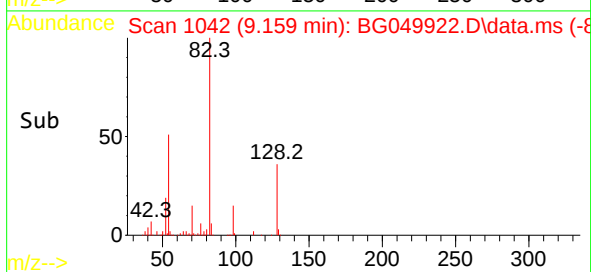
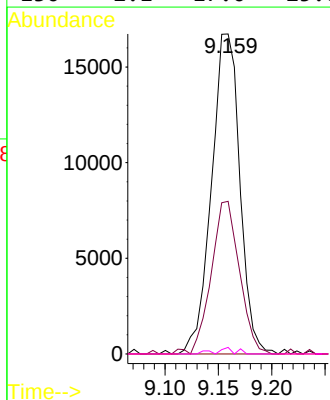
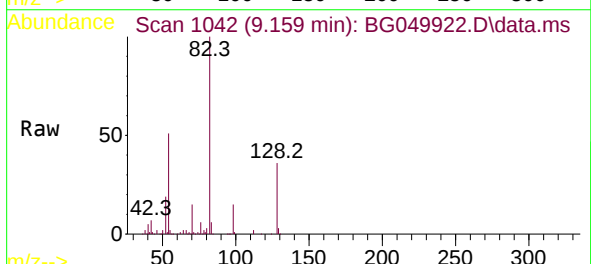
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

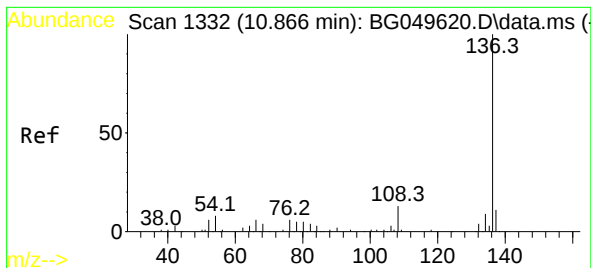
Tgt Ion: 99 Resp: 291982
Ion Ratio Lower Upper
99 100
42 19.8 20.5 30.7#
71 47.9 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 7.376 ng
RT: 9.159 min Scan# 1042
Delta R.T. 0.371 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

Tgt Ion: 70 Resp: 30901
Ion Ratio Lower Upper
70 100
42 47.7 54.5 81.7#
101 0.0 9.0 13.6#
130 2.1 17.0 25.6#

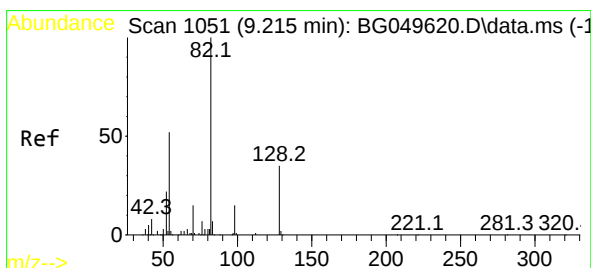
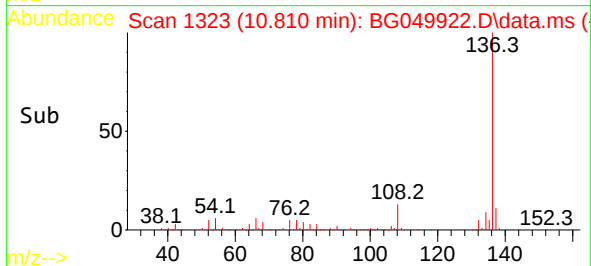
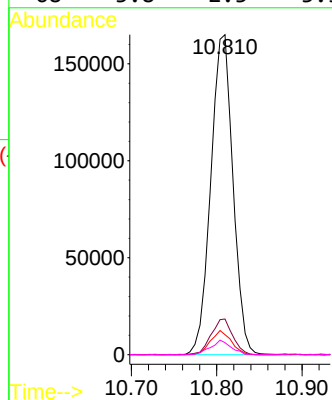
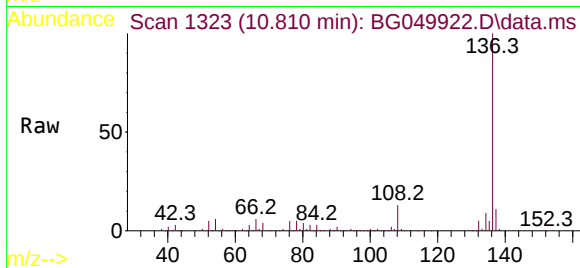




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.810 min Scan# 1323
Delta R.T. 0.013 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

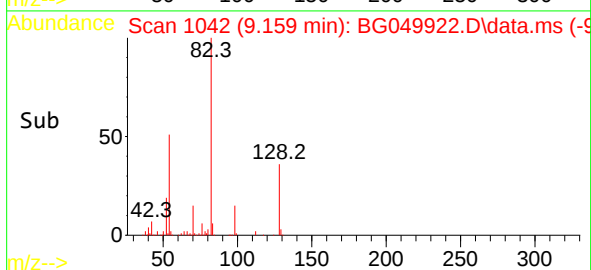
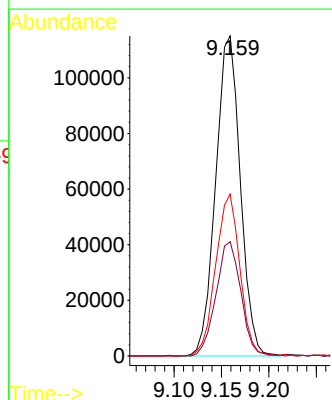
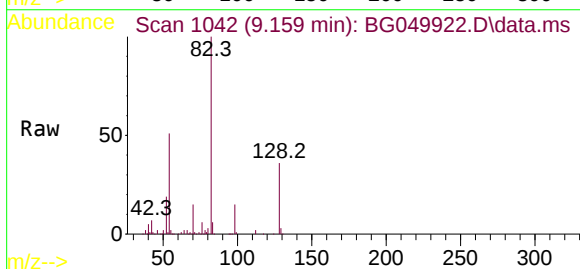
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

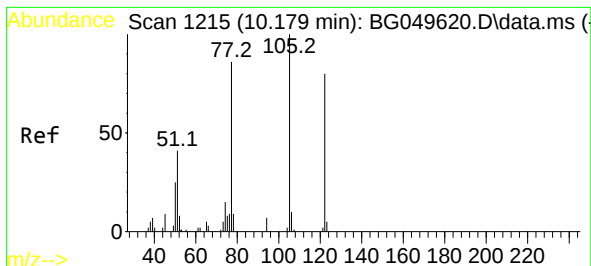
Tgt Ion:136 Resp: 298325
Ion Ratio Lower Upper
136 100
137 11.2 8.2 12.2
54 6.3 5.5 8.3
68 3.8 2.3 3.5#



#23
Nitrobenzene-d5
Concen: 30.840 ng
RT: 9.159 min Scan# 1042
Delta R.T. 0.007 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

Tgt Ion: 82 Resp: 207914
Ion Ratio Lower Upper
82 100
128 35.7 29.8 44.6
54 50.6 45.8 68.8

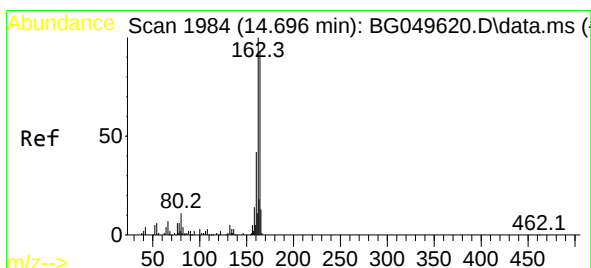
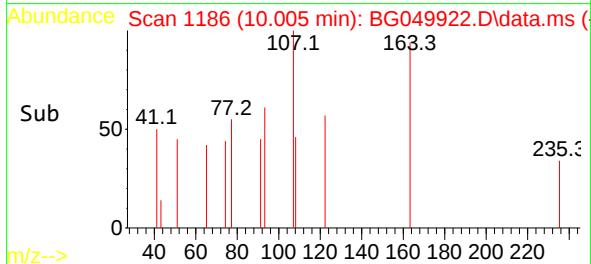
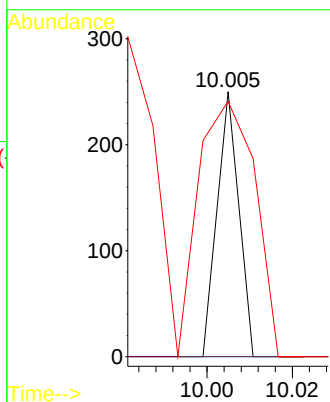
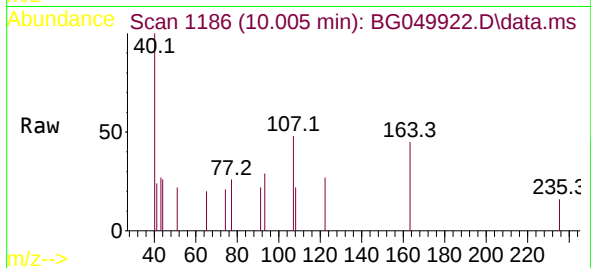




#32
Benzoic acid
Concen: 4.974 ng
RT: 10.005 min Scan# 1186
Delta R.T. -0.116 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

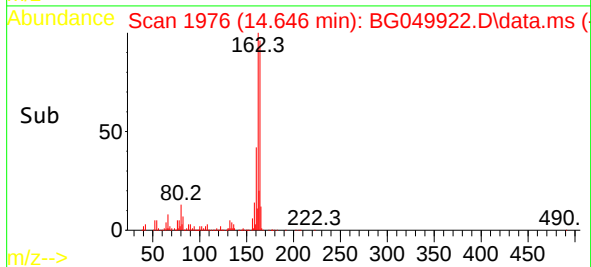
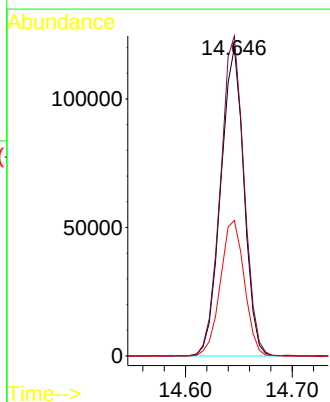
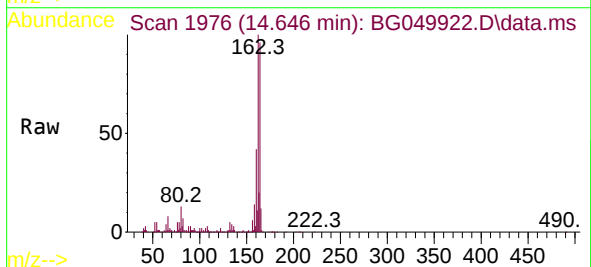
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

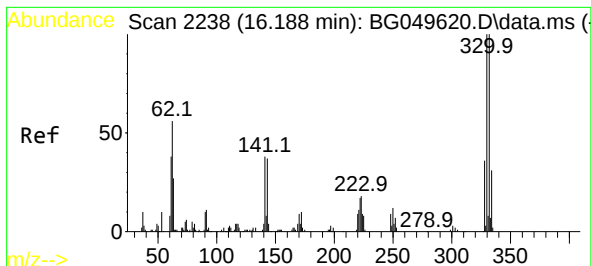
Tgt Ion	Ratio	Lower	Upper
122	100		
105	0.0	92.3	132.3#
77	96.4	66.5	106.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.646 min Scan# 1976
Delta R.T. 0.007 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.4	122.0
160	43.9	34.9	52.3

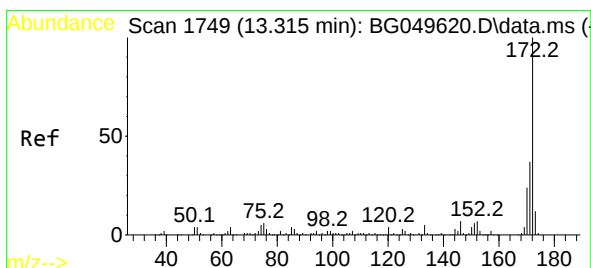
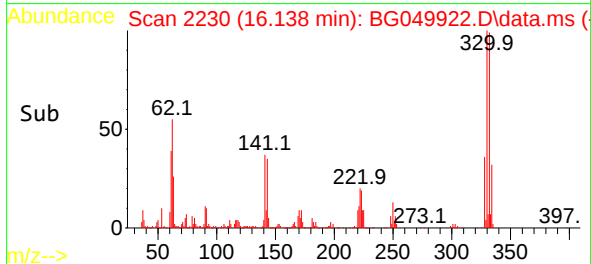
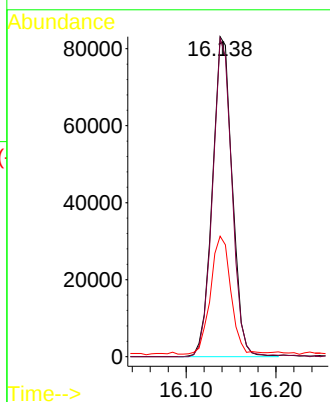
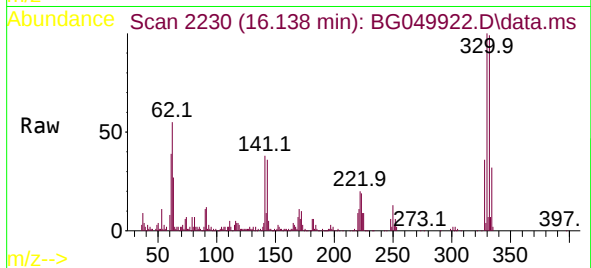




#42
2,4,6-Tribromophenol
Concen: 47.870 ng
RT: 16.138 min Scan# 2230
Delta R.T. 0.007 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

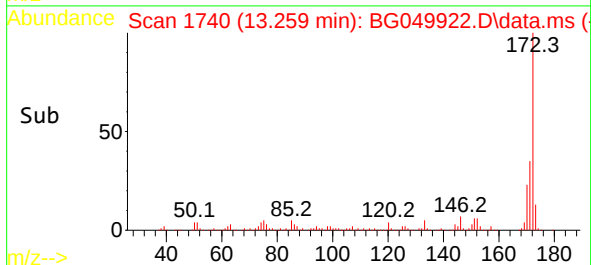
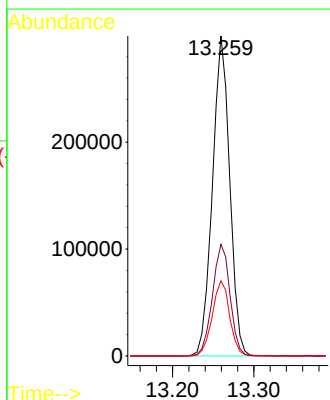
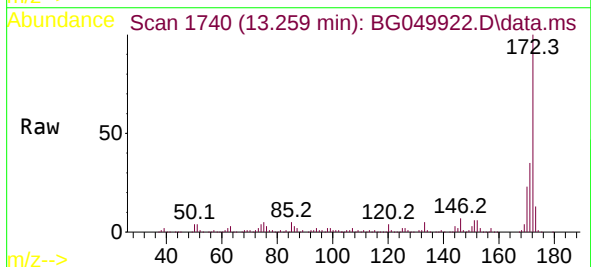
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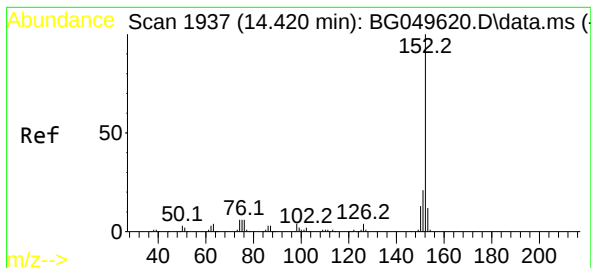
Tgt Ion:330 Resp: 127462
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 37.7 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 35.499 ng
RT: 13.259 min Scan# 1740
Delta R.T. 0.007 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

Tgt Ion:172 Resp: 441949
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.5 18.6 27.8

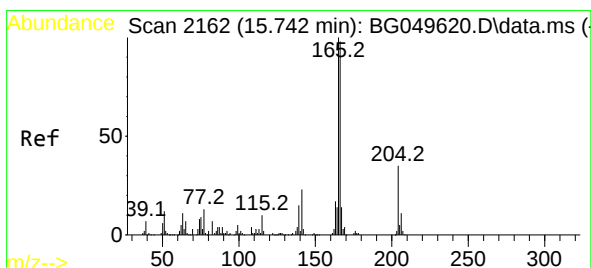
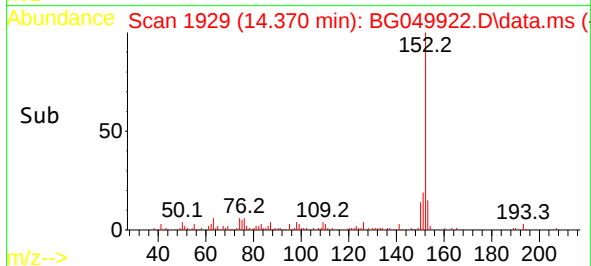
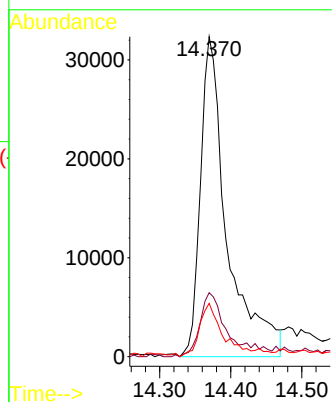
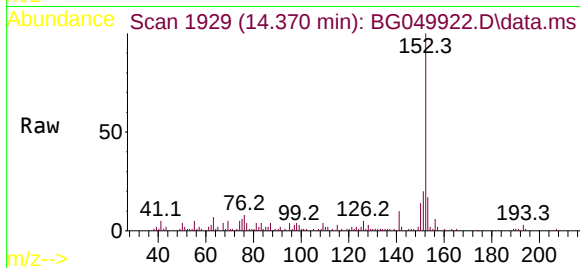




#49
Acenaphthylene
Concen: 5.163 ng
RT: 14.370 min Scan# 1929
Delta R.T. 0.013 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

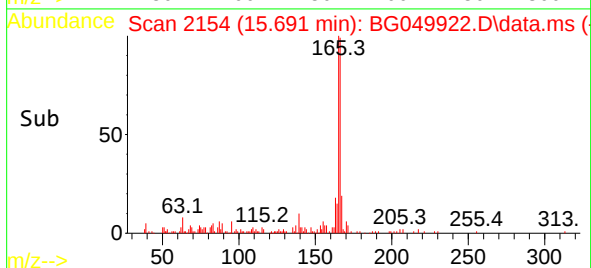
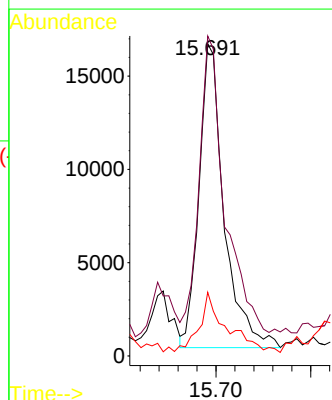
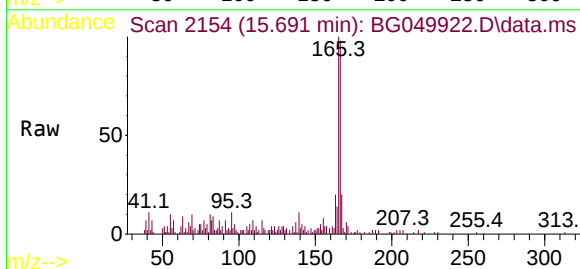
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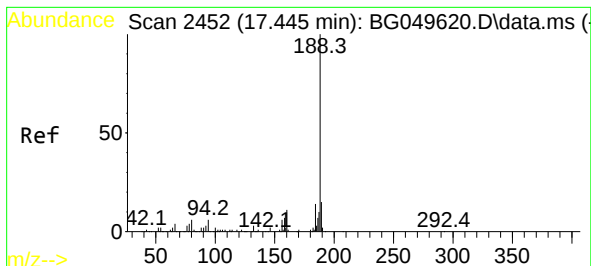
Tgt Ion:152 Resp: 84331
Ion Ratio Lower Upper
152 100
151 20.0 18.2 27.4
153 16.6 11.7 17.5



#58
Fluorene
Concen: 2.296 ng
RT: 15.691 min Scan# 2154
Delta R.T. 0.007 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

Tgt Ion:166 Resp: 29782
Ion Ratio Lower Upper
166 100
165 102.5 77.7 116.5
167 20.4 10.8 16.2#

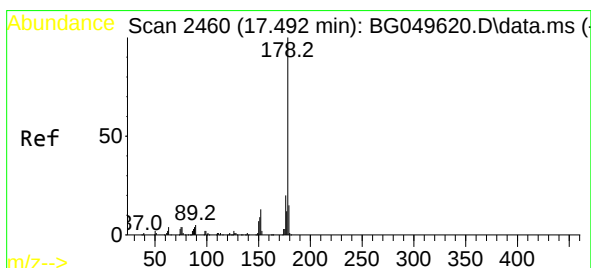
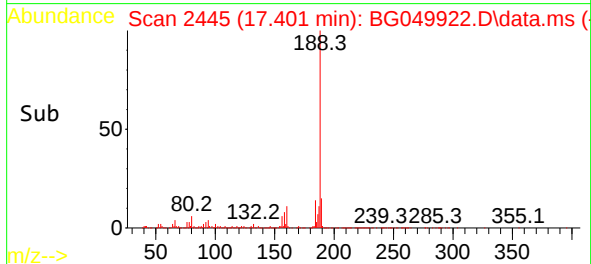
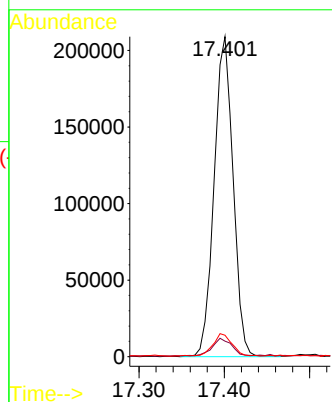
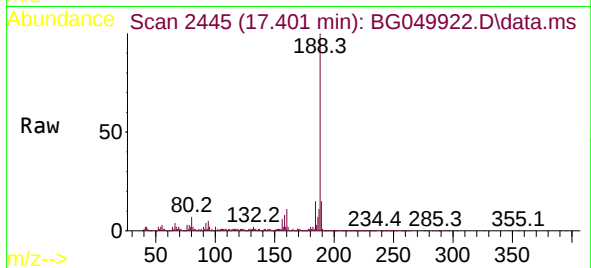




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.401 min Scan# 2445
Delta R.T. 0.013 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

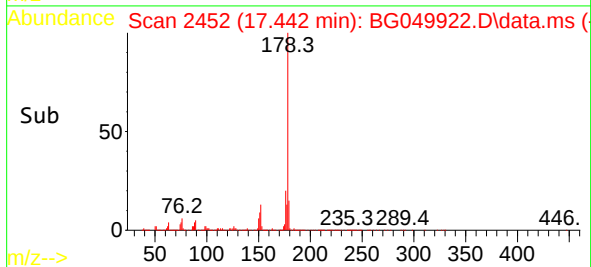
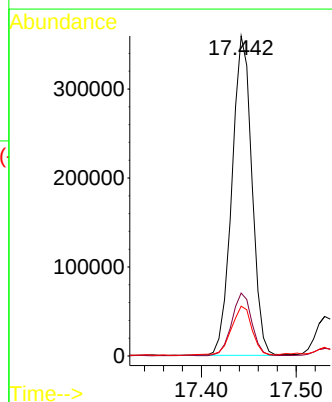
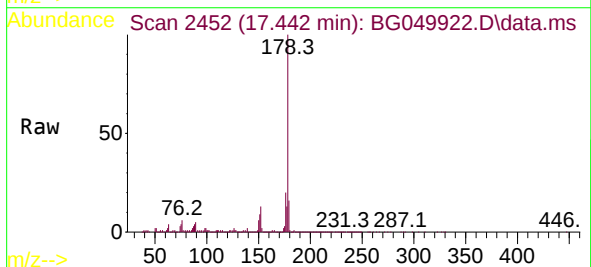
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

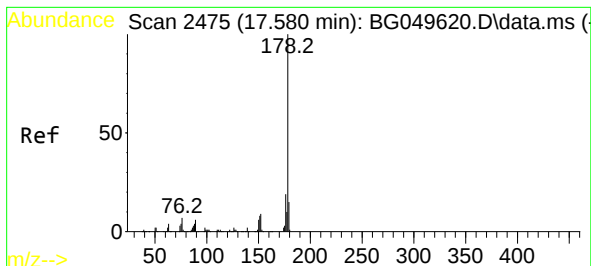
Tgt Ion:188 Resp: 322964
Ion Ratio Lower Upper
188 100
94 4.9 5.4 8.0#
80 6.7 3.7 5.5#



#71
Phenanthrene
Concen: 30.889 ng
RT: 17.442 min Scan# 2452
Delta R.T. 0.013 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

Tgt Ion:178 Resp: 524854
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.5 14.2 21.4

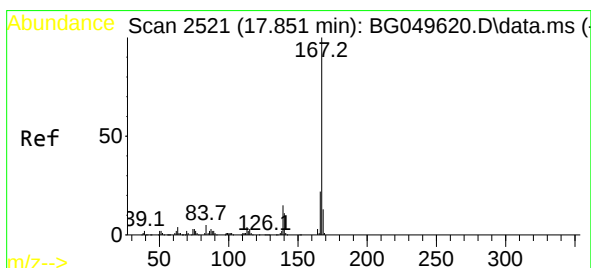
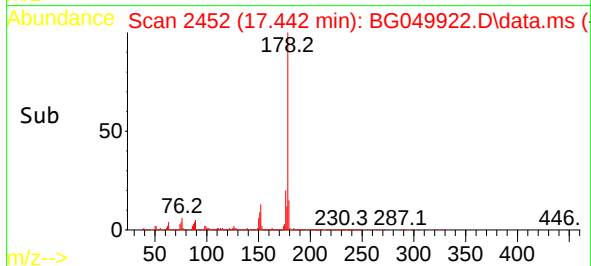
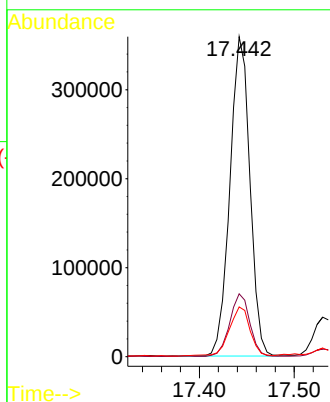
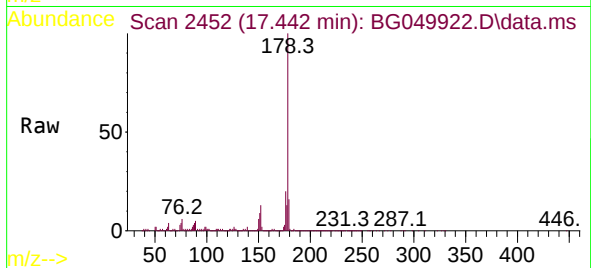




#72
 Anthracene
 Concen: 31.452 ng
 RT: 17.442 min Scan# 2452
 Delta R.T. -0.081 min
 Lab File: BG049922.D
 Acq: 20 Aug 2021 23:33

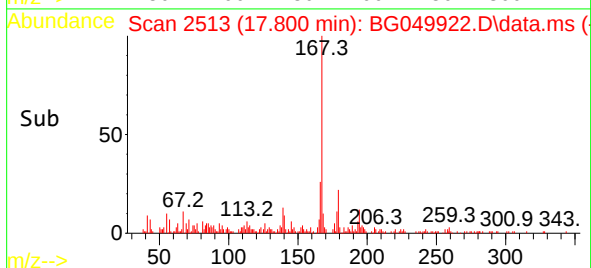
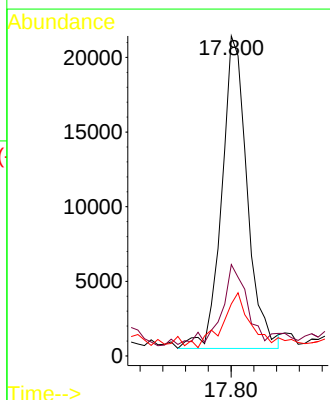
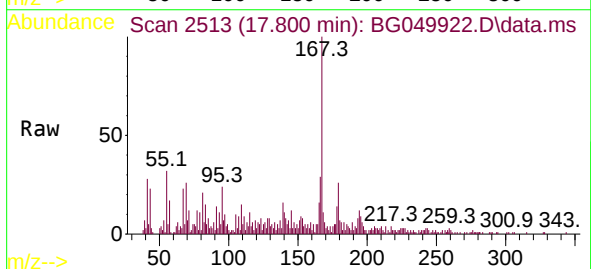
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0205

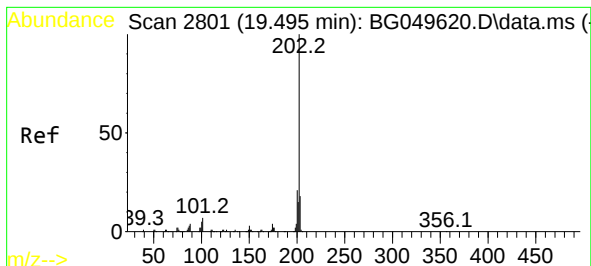
Tgt Ion:178 Resp: 524854
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.6 21.8
 179 15.5 13.4 20.0



#73
 Carbazole
 Concen: 2.046 ng
 RT: 17.800 min Scan# 2513
 Delta R.T. 0.007 min
 Lab File: BG049922.D
 Acq: 20 Aug 2021 23:33

Tgt Ion:167 Resp: 32338
 Ion Ratio Lower Upper
 167 100
 166 28.6 17.4 26.2#
 139 16.3 10.7 16.1#

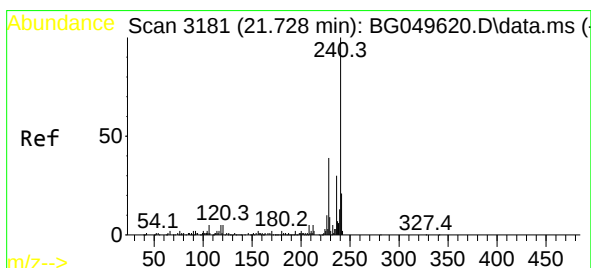
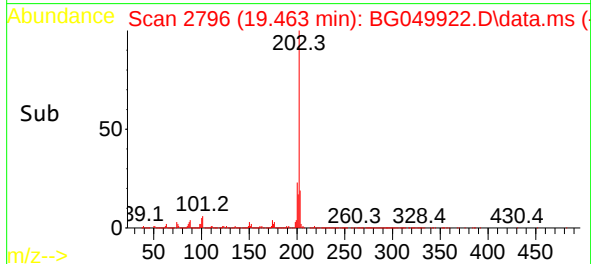
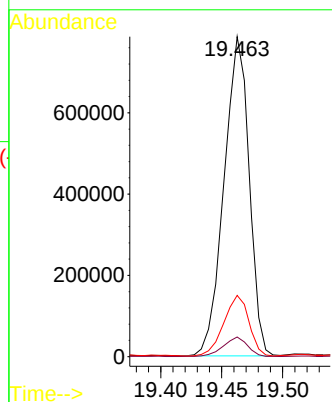
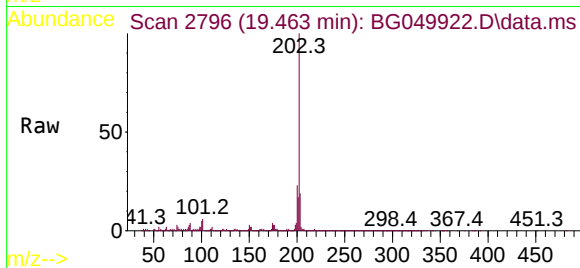




#75
Fluoranthene
Concen: 53.857 ng
RT: 19.463 min Scan# 2796
Delta R.T. 0.019 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

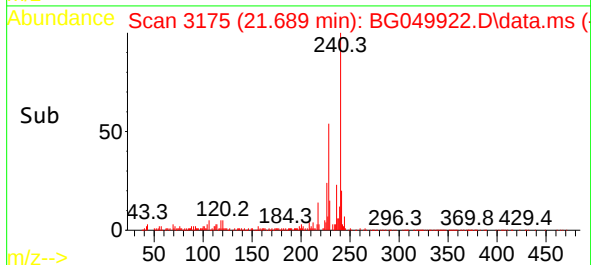
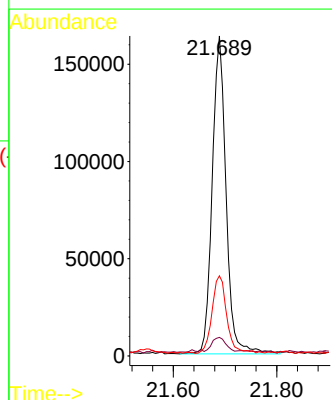
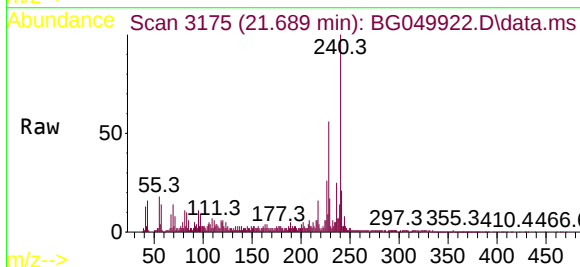
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

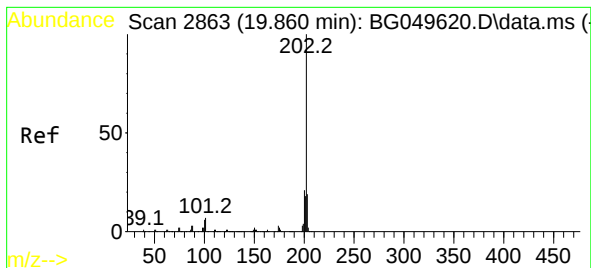
Tgt Ion:202 Resp: 1126093
Ion Ratio Lower Upper
202 100
101 6.2 0.0 24.7
203 19.2 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.689 min Scan# 3175
Delta R.T. 0.030 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

Tgt Ion:240 Resp: 303749
Ion Ratio Lower Upper
240 100
120 5.8 4.2 6.2
236 25.0 21.8 32.6





#78

Pyrene

Concen: 57.581 ng

RT: 19.827 min Scan# 2858

Delta R.T. 0.025 min

Lab File: BG049922.D

Acq: 20 Aug 2021 23:33

Instrument :

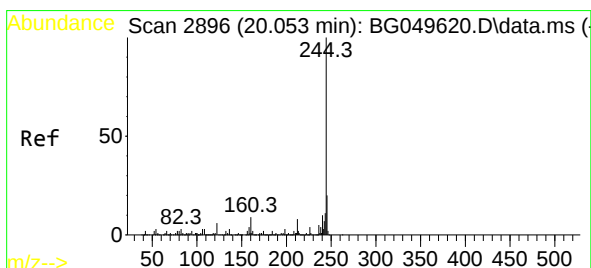
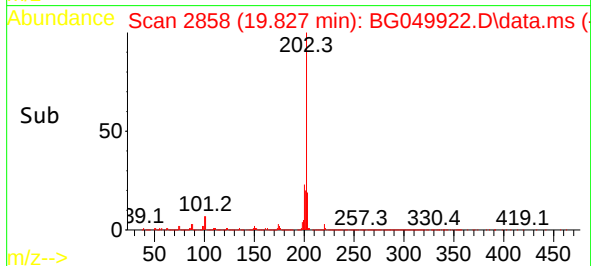
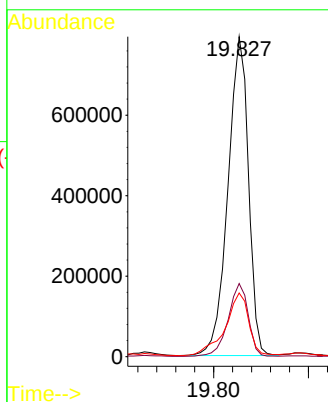
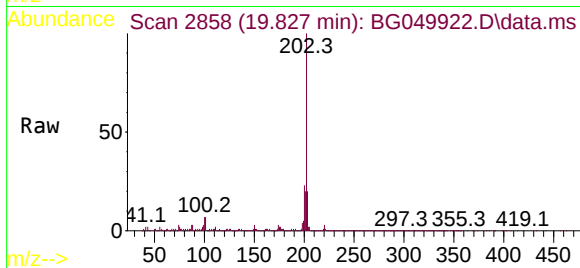
BNA_G

ClientSampleId :

SWCS-03-0205

Tgt Ion:202 Resp: 1192396

Ion	Ratio	Lower	Upper
202	100		
200	22.9	15.8	23.8
203	19.9	14.6	21.8



#79

Terphenyl-d14

Concen: 31.246 ng

RT: 20.015 min Scan# 2890

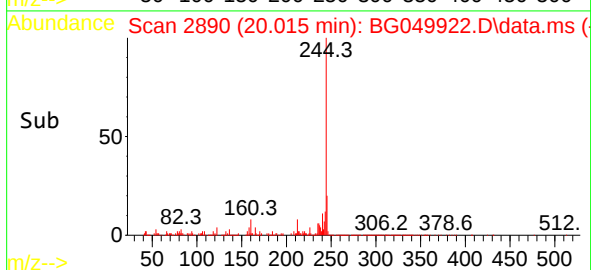
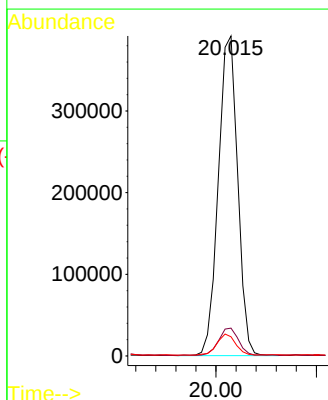
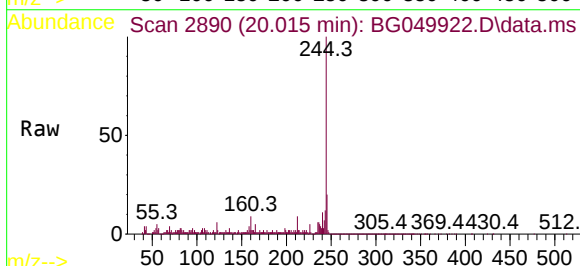
Delta R.T. 0.019 min

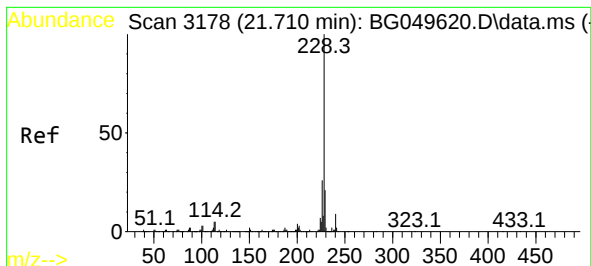
Lab File: BG049922.D

Acq: 20 Aug 2021 23:33

Tgt Ion:244 Resp: 522575

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.9	10.3
122	6.0	5.0	7.6

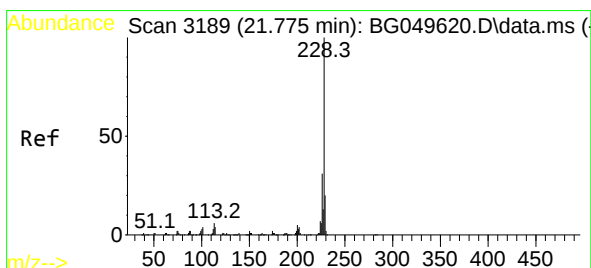
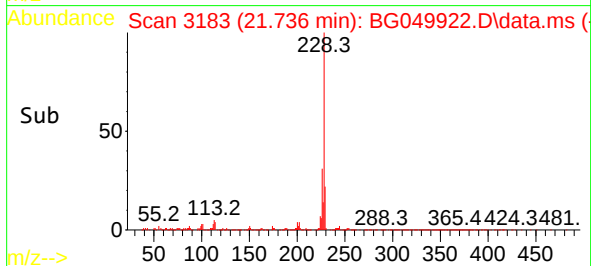
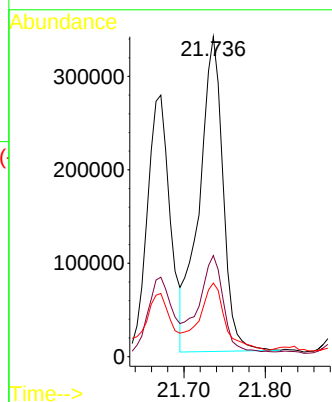
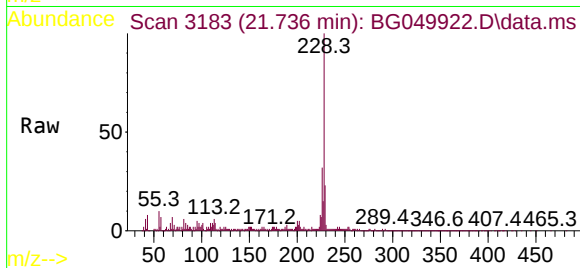




#81
Benzo(a)anthracene
Concen: 34.786 ng
RT: 21.736 min Scan# 3183
Delta R.T. 0.095 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

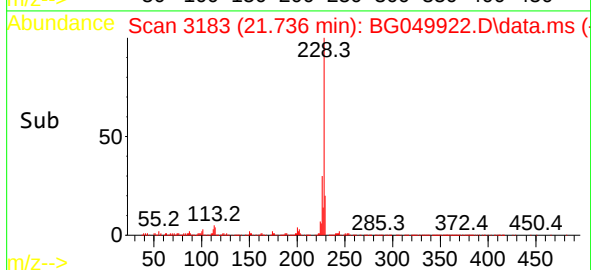
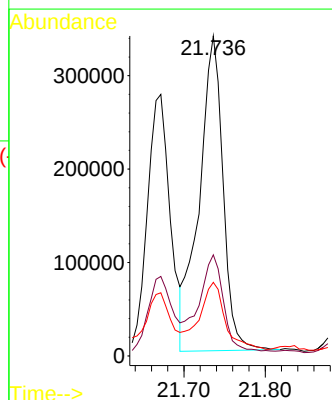
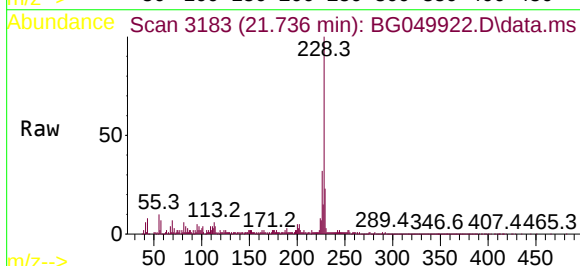
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

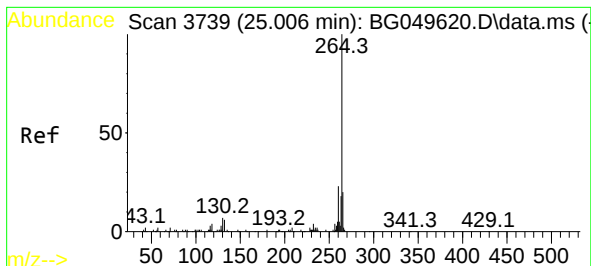
Tgt Ion:228 Resp: 688118
Ion Ratio Lower Upper
228 100
226 31.6 22.7 34.1
229 23.0 16.0 24.0



#83
Chrysene
Concen: 36.391 ng
RT: 21.736 min Scan# 3183
Delta R.T. 0.030 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

Tgt Ion:228 Resp: 688118
Ion Ratio Lower Upper
228 100
226 31.6 23.1 34.7
229 23.0 15.3 22.9#

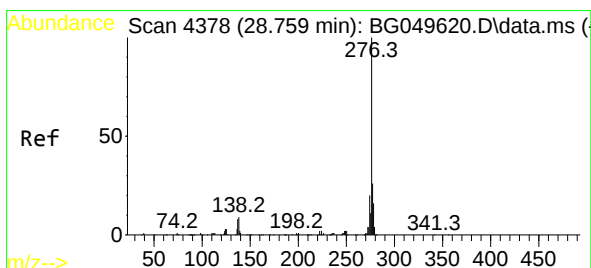
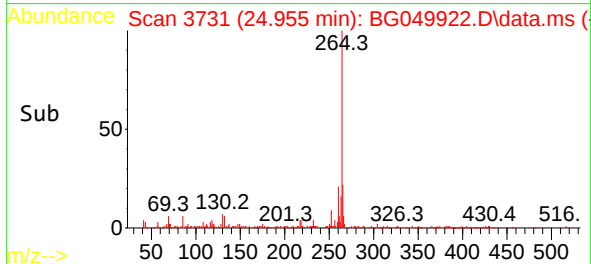
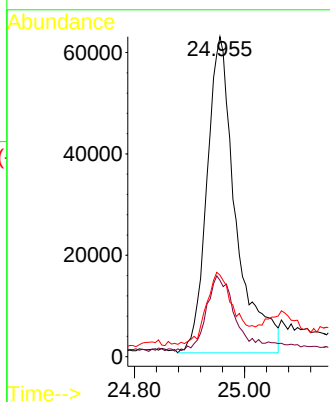
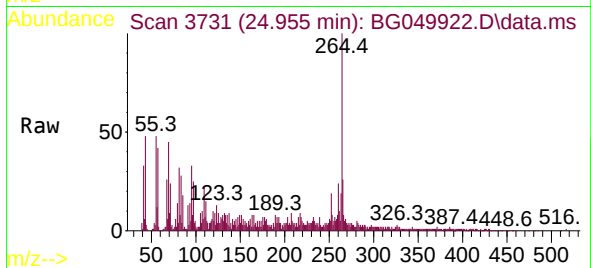




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.955 min Scan# 3731
 Delta R.T. 0.072 min
 Lab File: BG049922.D
 Acq: 20 Aug 2021 23:33

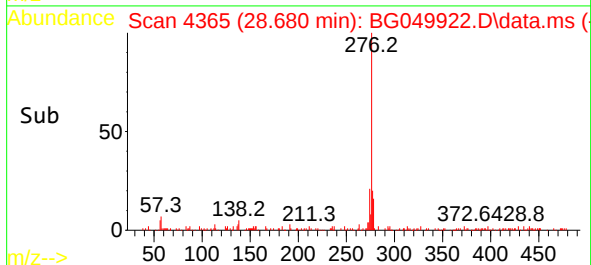
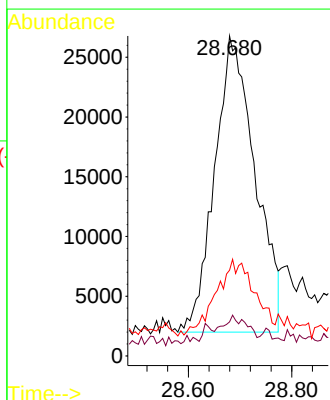
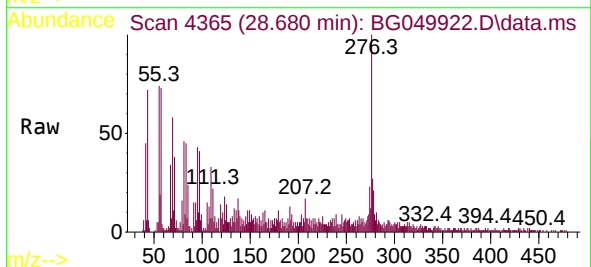
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0205

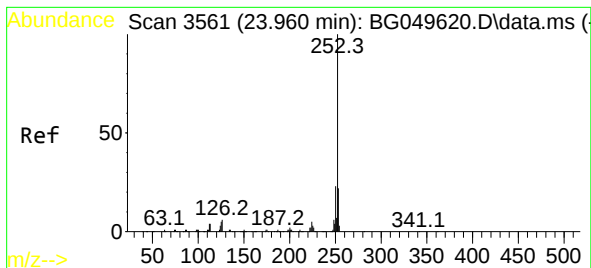
Tgt Ion:264 Resp: 227523
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.4 29.2
 265 25.5 16.9 25.3#



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.192 ng
 RT: 28.680 min Scan# 4365
 Delta R.T. 0.101 min
 Lab File: BG049922.D
 Acq: 20 Aug 2021 23:33

Tgt Ion:276 Resp: 134416
 Ion Ratio Lower Upper
 276 100
 138 5.5 5.1 7.7
 277 13.3 19.8 29.6#





#88

Benzo(b)fluoranthene

Concen: 39.452 ng

RT: 23.921 min Scan# 3555

Delta R.T. 0.060 min

Lab File: BG049922.D

Acq: 20 Aug 2021 23:33

Tgt Ion:252 Resp: 588707

Ion Ratio Lower Upper

252 100

253 24.7 16.2 24.4#

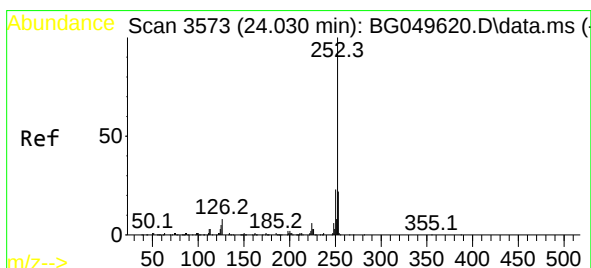
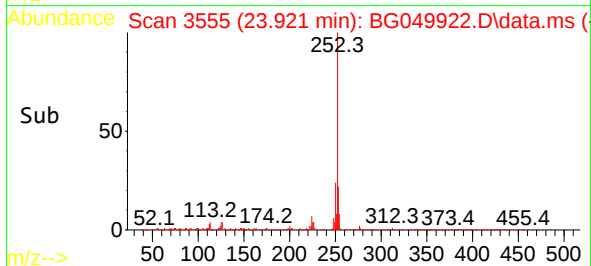
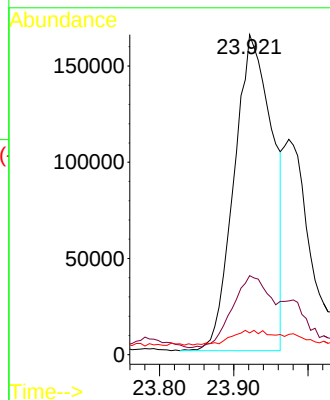
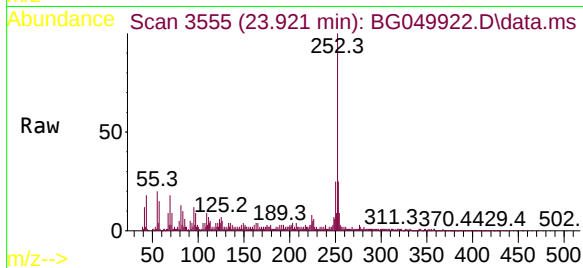
125 6.8 3.0 4.4#

Instrument :

BNA_G

ClientSampleId :

SWCS-03-0205



#89

Benzo(k)fluoranthene

Concen: 42.295 ng

RT: 23.921 min Scan# 3555

Delta R.T. -0.005 min

Lab File: BG049922.D

Acq: 20 Aug 2021 23:33

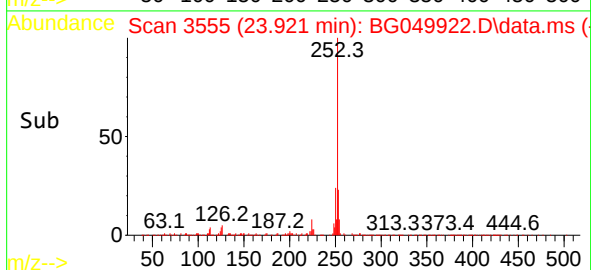
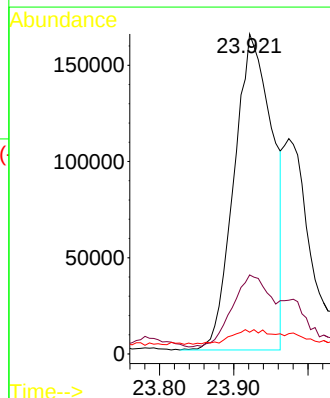
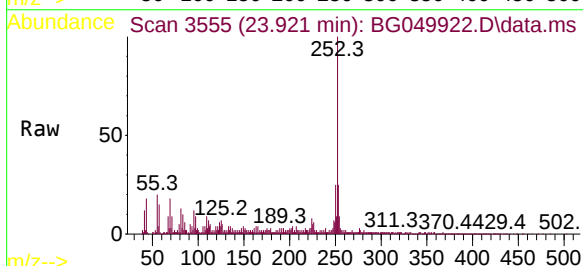
Tgt Ion:252 Resp: 588707

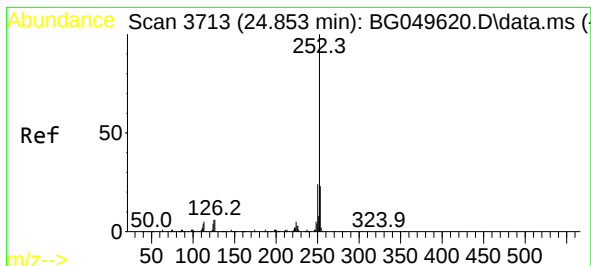
Ion Ratio Lower Upper

252 100

253 24.7 18.0 27.0

125 6.8 3.1 4.7#

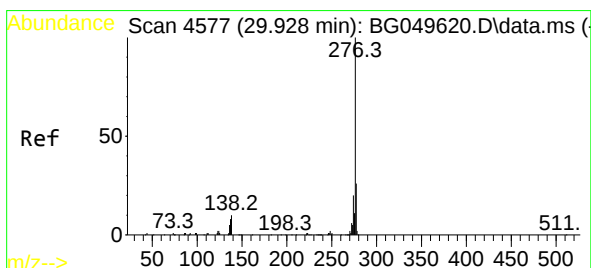
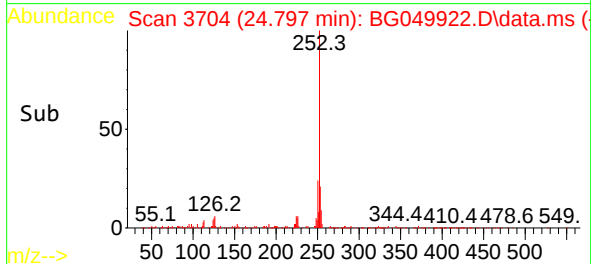
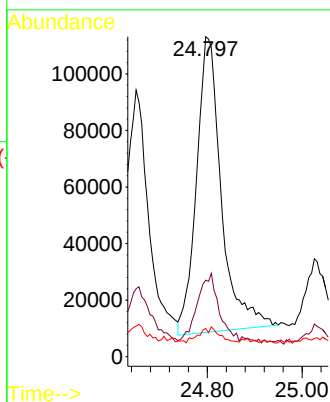
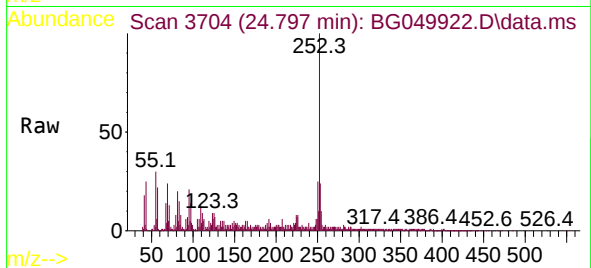




#90
Benzo(a)pyrene
Concen: 28.200 ng
RT: 24.797 min Scan# 3704
Delta R.T. 0.060 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

Instrument :
BNA_G
ClientSampleId :
SWCS-03-0205

Tgt Ion:252 Resp: 380817
Ion Ratio Lower Upper
252 100
253 23.9 16.6 25.0
125 8.8 3.5 5.3#



#92
Benzo(g,h,i)perylene
Concen: 8.316 ng
RT: 29.872 min Scan# 4568
Delta R.T. 0.136 min
Lab File: BG049922.D
Acq: 20 Aug 2021 23:33

Tgt Ion:276 Resp: 112647
Ion Ratio Lower Upper
276 100
277 29.3 18.4 27.6#
138 10.3 7.0 10.6

