

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082121\
 Data File : BG049919.D
 Acq On : 20 Aug 2021 21:30
 Operator : CG/JU
 Sample : M3398-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-04-0002

Quant Time: Aug 21 05:20:33 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)

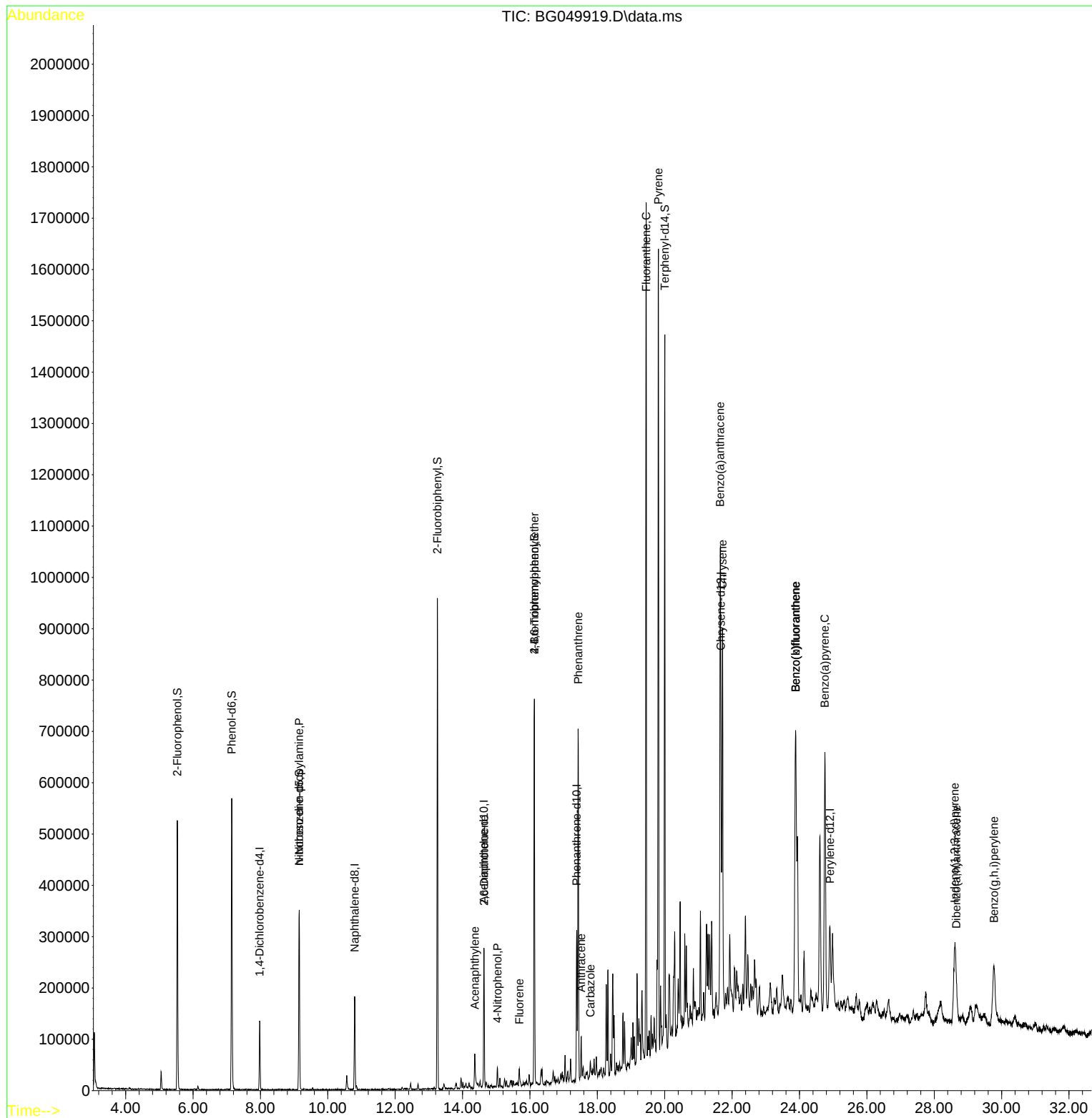
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.978	152	36586	20.000	ng	0.00
21) Naphthalene-d8	10.797	136	150921	20.000	ng	0.00
39) Acenaphthene-d10	14.633	164	98175	20.000	ng	0.00
64) Phenanthrene-d10	17.388	188	183804	20.000	ng	# 0.00
76) Chrysene-d12	21.665	240	164648	20.000	ng	0.00
86) Perylene-d12	24.908	264	170440	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	218083	106.854	ng	0.00
7) Phenol-d6	7.149	99	311172	100.721	ng	0.00
23) Nitrobenzene-d5	9.153	82	221075	64.821	ng	0.00
42) 2,4,6-Tribromophenol	16.131	330	143955	99.758	ng	0.00
45) 2-Fluorobiphenyl	13.253	172	471680	69.909	ng	0.00
79) Terphenyl-d14	20.003	244	614012	67.731	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.153	70	32702	15.818	ng	# 66
49) Acenaphthylene	14.363	152	77797	8.789	ng	94
51) 2,6-Dinitrotoluene	14.639	165	13178	8.080	ng	# 14
56) 4-Nitrophenol	15.033	139	6312	5.432	ng	# 1
58) Fluorene	15.685	166	16966	2.413	ng	# 98
67) 4-Bromophenyl-phenylether	16.131	248	8511	3.932	ng	# 1
71) Phenanthrene	17.430	178	425939	44.047	ng	97
72) Anthracene	17.524	178	58147	6.123	ng	96
73) Carbazole	17.794	167	18708	2.080	ng	95
75) Fluoranthene	19.450	202	1026172	86.235	ng	99
78) Pyrene	19.815	202	1008974	89.888	ng	96
81) Benzo(a)anthracene	21.647	228	584321	54.495	ng	99
83) Chrysene	21.718	228	539432	52.629	ng	95
87) Indeno(1,2,3-cd)pyrene	28.609	276	327837	26.671	ng	# 97
88) Benzo(b)fluoranthene	23.891	252	728389	65.161	ng	# 96
89) Benzo(k)fluoranthene	23.891	252	728389	69.857	ng	# 98
90) Benzo(a)pyrene	24.755	252	563714	55.724	ng	94
91) Dibenzo(a,h)anthracene	28.656	278	86077	8.310	ng	# 89
92) Benzo(g,h,i)perylene	29.778	276	341090	33.613	ng	98

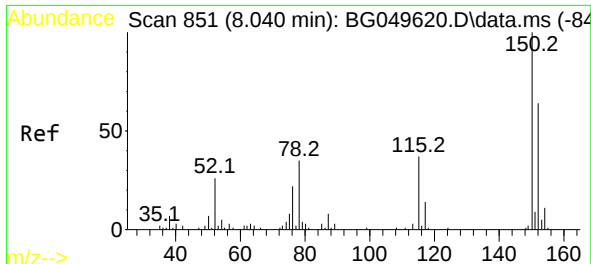
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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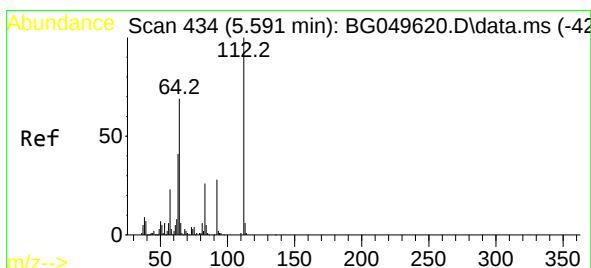
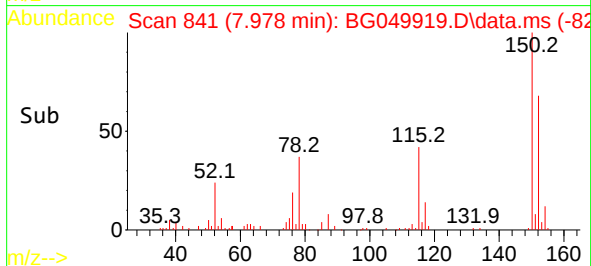
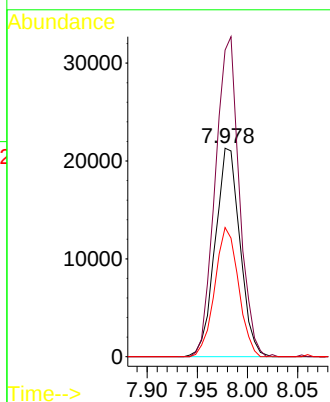
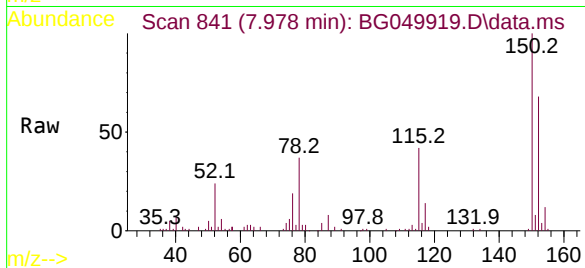




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.978 min Scan# 841
Delta R.T. 0.001 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

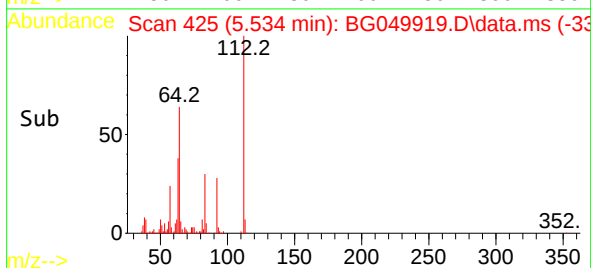
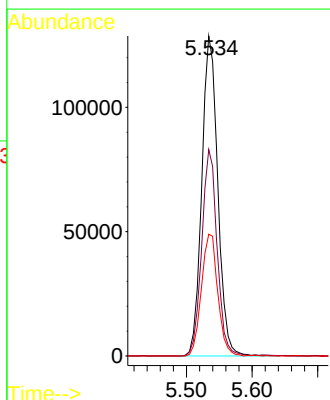
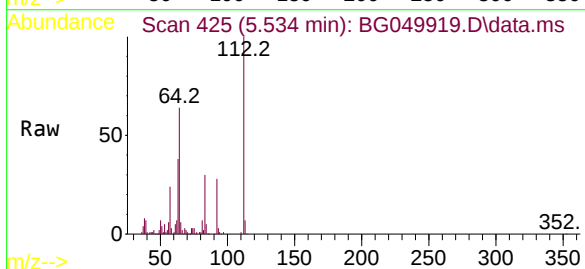
Instrument :
BNA_G
ClientSampleId :
SWCS-04-0002

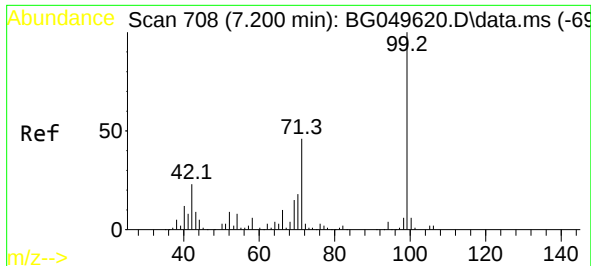
Tgt Ion:152 Resp: 36586
Ion Ratio Lower Upper
152 100
150 147.1 119.4 179.0
115 61.9 60.2 90.4



#5
2-Fluorophenol
Concen: 106.854 ng
RT: 5.534 min Scan# 425
Delta R.T. 0.006 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

Tgt Ion:112 Resp: 218083
Ion Ratio Lower Upper
112 100
64 64.5 46.7 70.1
63 38.1 35.3 52.9

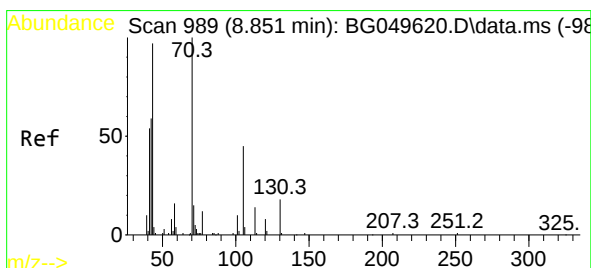
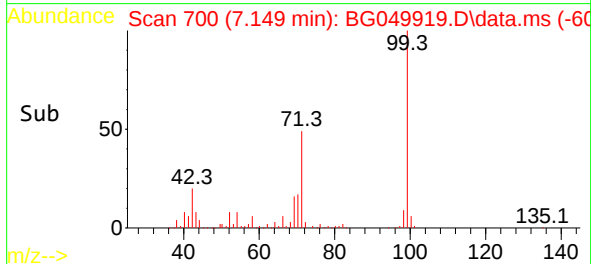
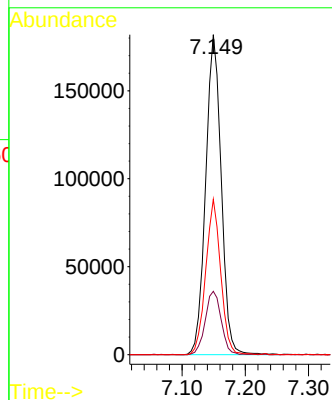
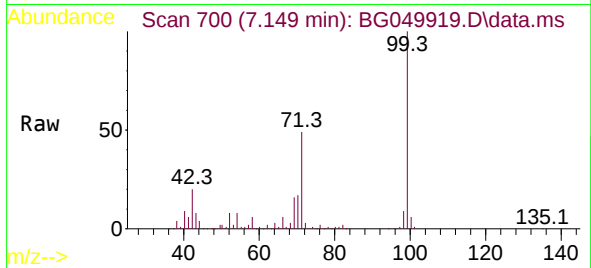




#7
Phenol-d6
Concen: 100.721 ng
RT: 7.149 min Scan# 700
Delta R.T. 0.006 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

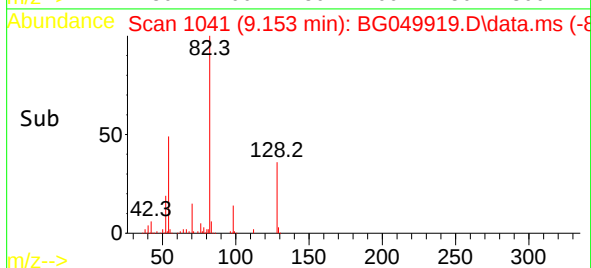
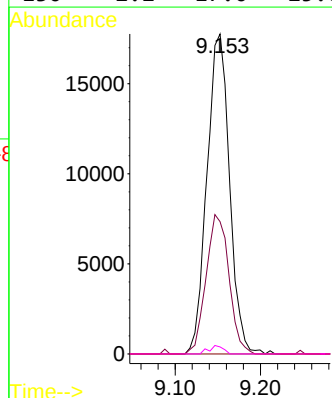
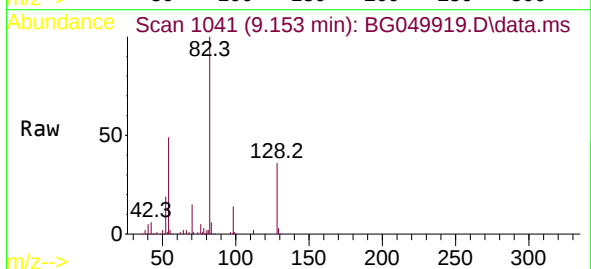
Instrument :
BNA_G
ClientSampleId :
SWCS-04-0002

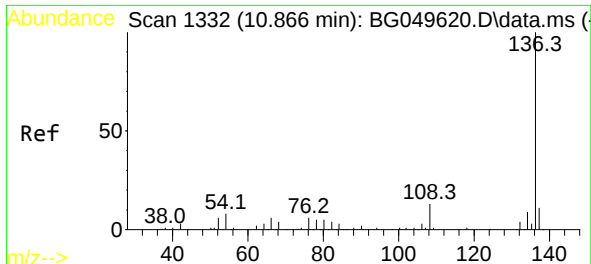
Tgt Ion: 99 Resp: 311172
Ion Ratio Lower Upper
99 100
42 19.8 20.5 30.7#
71 48.5 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.818 ng
RT: 9.153 min Scan# 1041
Delta R.T. 0.365 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

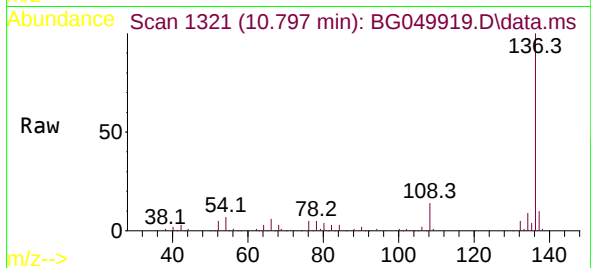
Tgt Ion: 70 Resp: 32702
Ion Ratio Lower Upper
70 100
42 41.4 54.5 81.7#
101 0.0 9.0 13.6#
130 2.2 17.0 25.6#





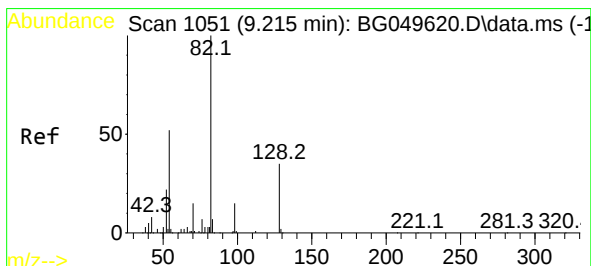
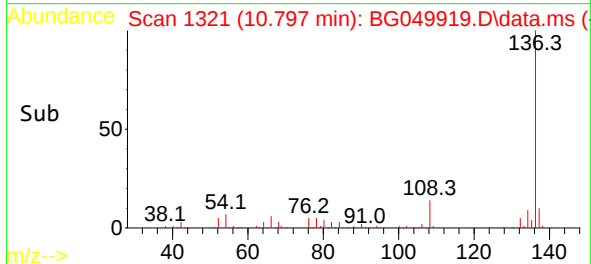
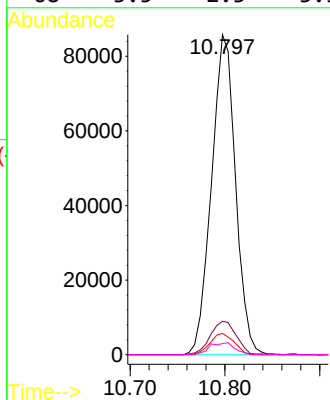
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.797 min Scan# 1321
Delta R.T. 0.001 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

Instrument :
BNA_G
ClientSampleId :
SWCS-04-0002



Tgt Ion: 136 Resp: 150921

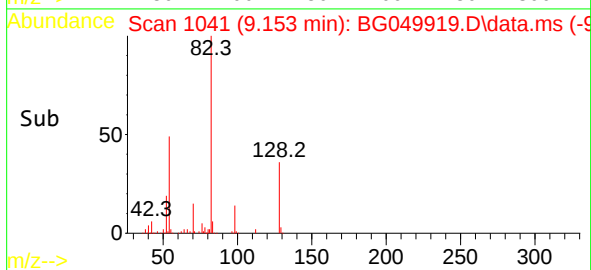
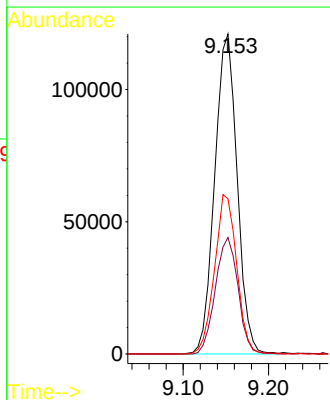
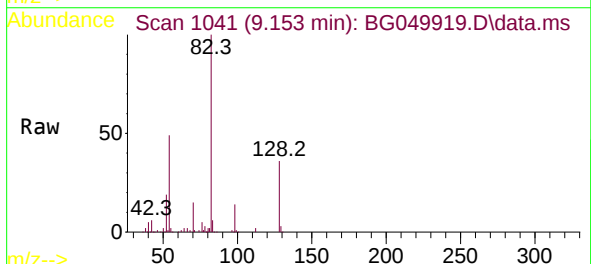
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.2	12.2
54	6.6	5.5	8.3
68	3.5	2.3	3.5

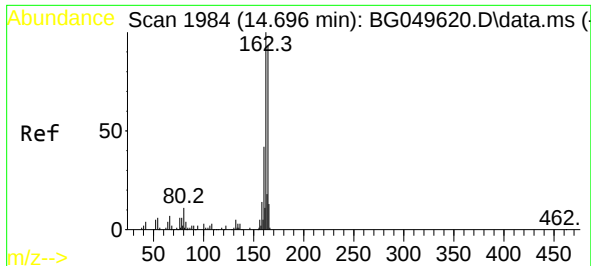


#23
Nitrobenzene-d5
Concen: 64.821 ng
RT: 9.153 min Scan# 1041
Delta R.T. 0.001 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

Tgt Ion: 82 Resp: 221075

Ion	Ratio	Lower	Upper
82	100		
128	36.4	29.8	44.6
54	48.5	45.8	68.8

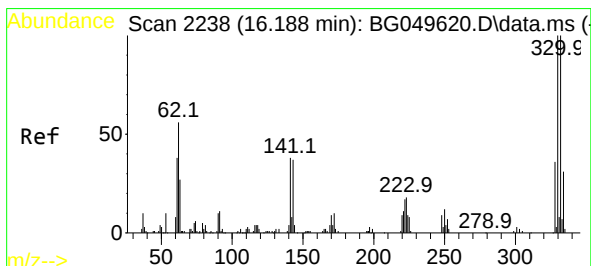
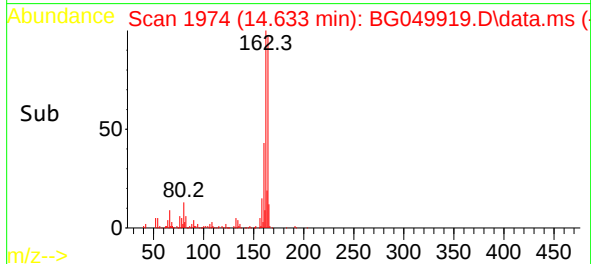
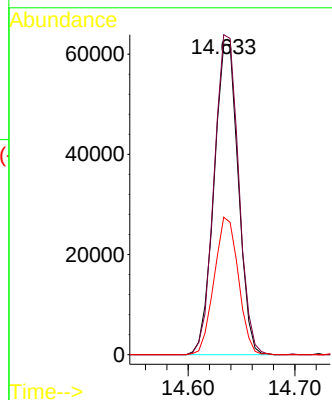
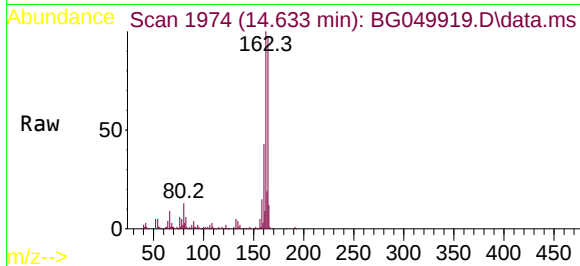




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.633 min Scan# 1974
Delta R.T. -0.005 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

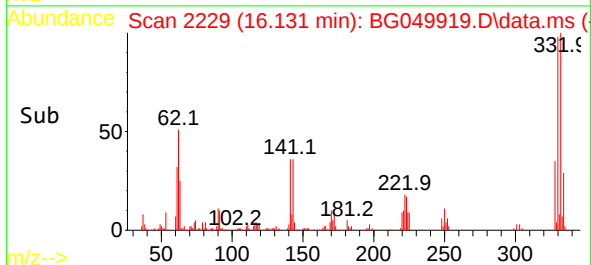
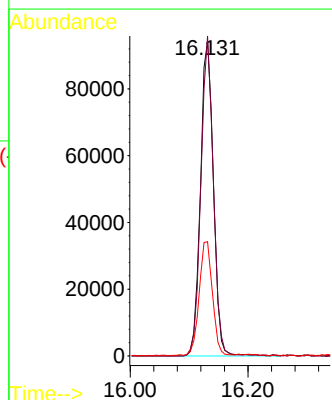
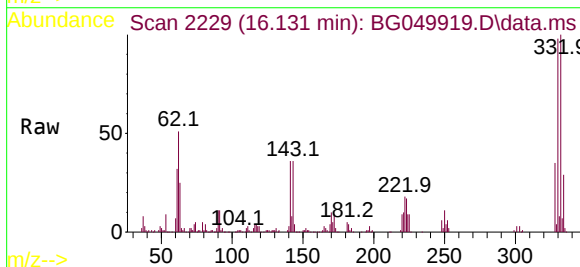
Instrument :
BNA_G
ClientSampleId :
SWCS-04-0002

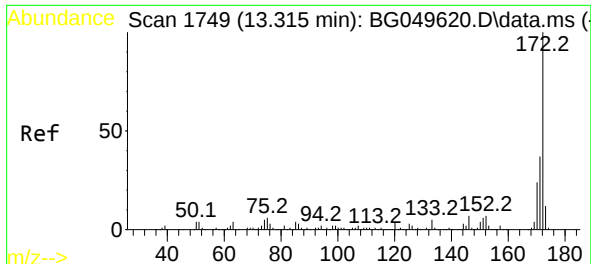
Tgt Ion:164 Resp: 98175
Ion Ratio Lower Upper
164 100
162 103.0 81.4 122.0
160 44.3 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 99.758 ng
RT: 16.131 min Scan# 2229
Delta R.T. 0.001 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

Tgt Ion:330 Resp: 143955
Ion Ratio Lower Upper
330 100
332 97.4 77.3 115.9
141 37.7 35.6 53.4

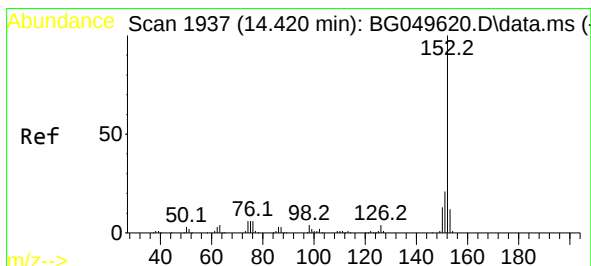
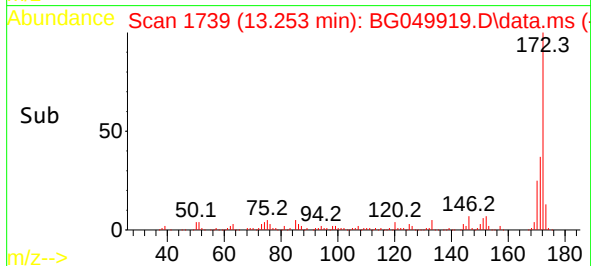
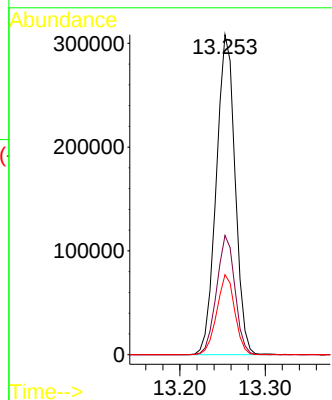
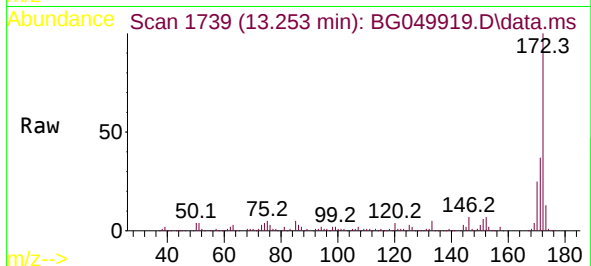




#45
2-Fluorobiphenyl
Concen: 69.909 ng
RT: 13.253 min Scan# 1739
Delta R.T. 0.001 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

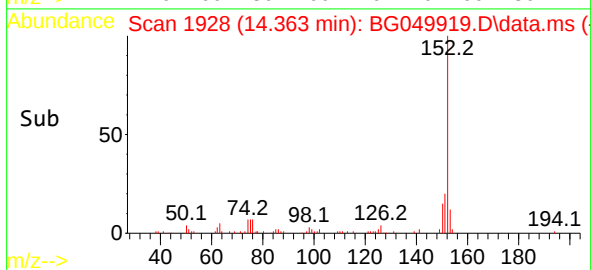
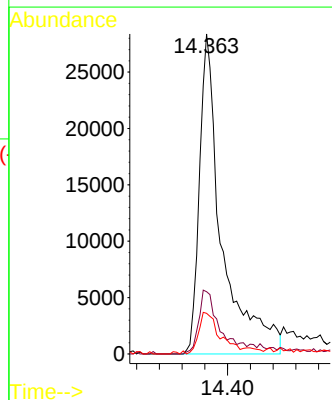
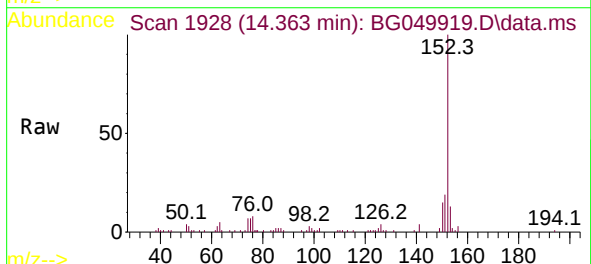
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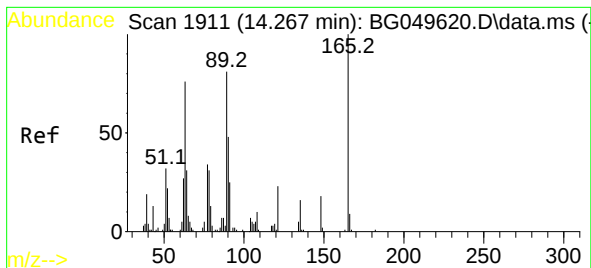
Tgt Ion:172 Resp: 471680
Ion Ratio Lower Upper
172 100
171 37.2 28.6 43.0
170 25.0 18.6 27.8



#49
Acenaphthylene
Concen: 8.789 ng
RT: 14.363 min Scan# 1928
Delta R.T. 0.006 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

Tgt Ion:152 Resp: 77797
Ion Ratio Lower Upper
152 100
151 19.4 18.2 27.4
153 12.7 11.7 17.5

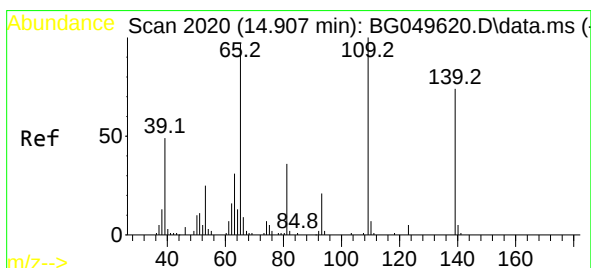
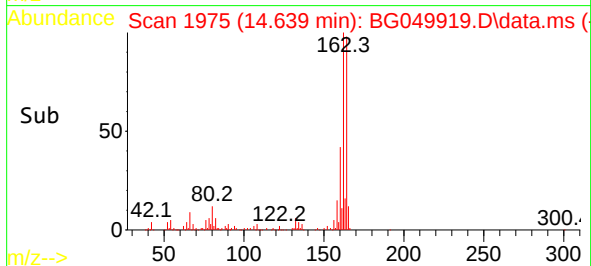
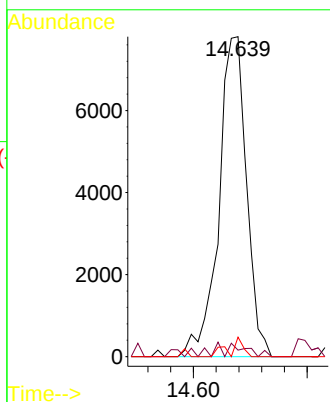
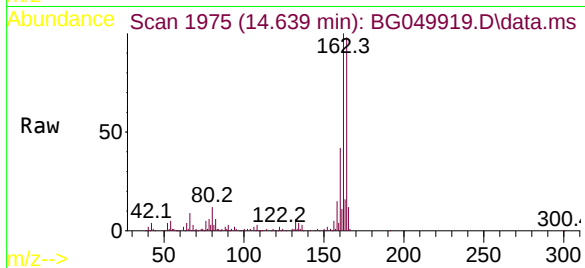




#51
2,6-Dinitrotoluene
Concen: 8.080 ng
RT: 14.639 min Scan# 1975
Delta R.T. 0.429 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

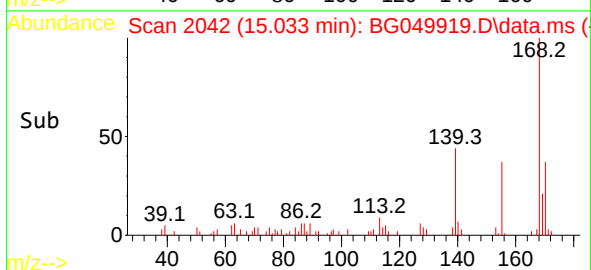
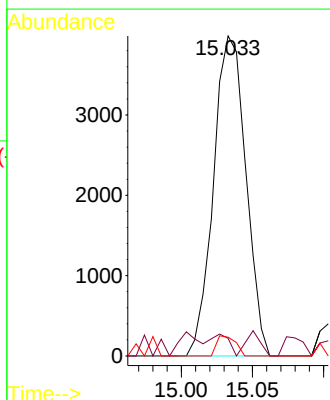
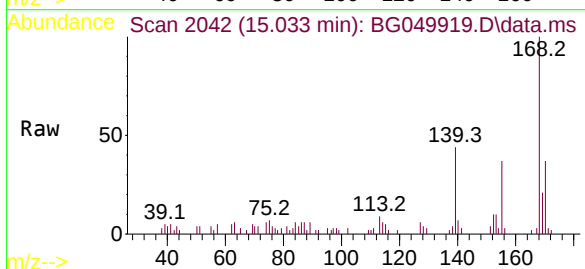
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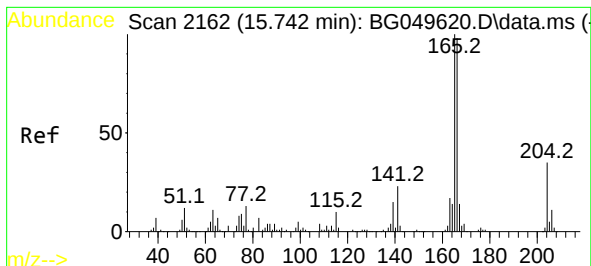
Tgt Ion:165 Resp: 13178
Ion Ratio Lower Upper
165 100
63 2.0 63.3 94.9#
89 6.1 63.4 95.0#



#56
4-Nitrophenol
Concen: 5.432 ng
RT: 15.033 min Scan# 2042
Delta R.T. 0.165 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

Tgt Ion:139 Resp: 6312
Ion Ratio Lower Upper
139 100
109 5.5 116.3 156.3#
65 5.8 105.0 145.0#

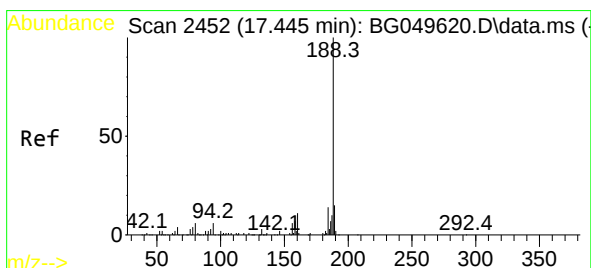
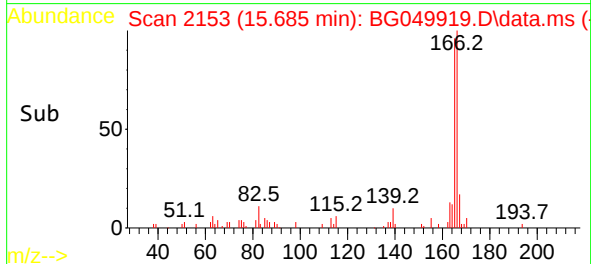
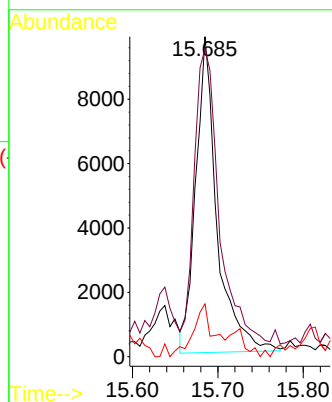
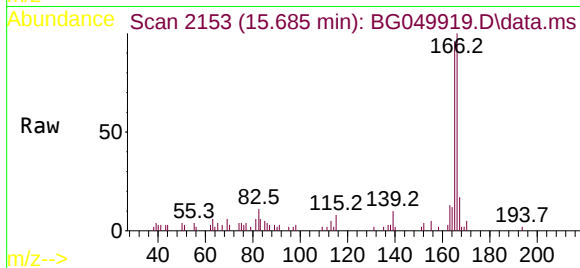




#58
Fluorene
Concen: 2.413 ng
RT: 15.685 min Scan# 2153
Delta R.T. 0.001 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

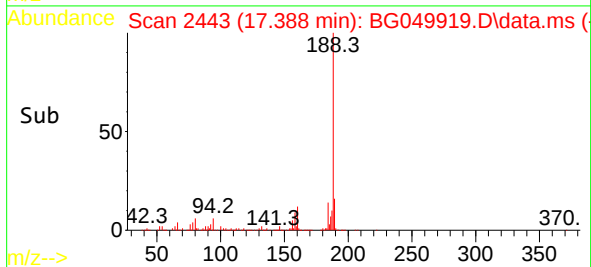
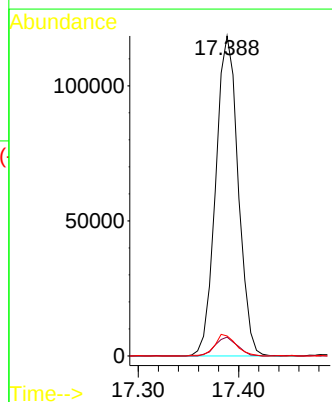
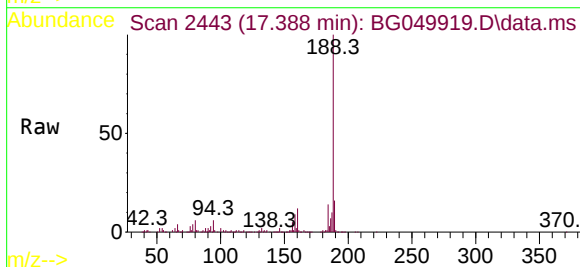
Instrument :
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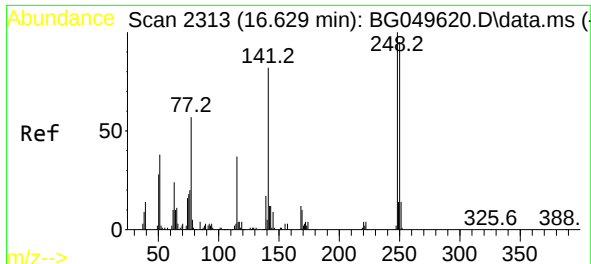
Tgt Ion:166 Resp: 16966
Ion Ratio Lower Upper
166 100
165 96.3 77.7 116.5
167 16.5 10.8 16.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.388 min Scan# 2443
Delta R.T. 0.001 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

Tgt Ion:188 Resp: 183804
Ion Ratio Lower Upper
188 100
94 5.9 5.4 8.0
80 6.3 3.7 5.5#

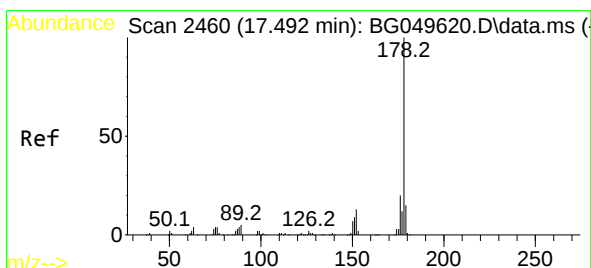
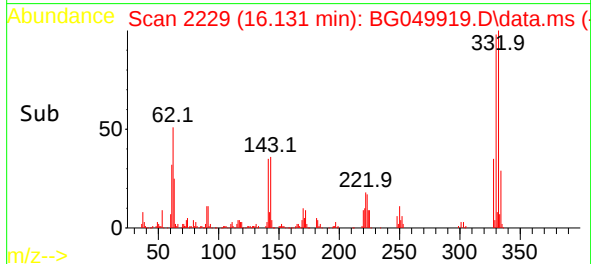
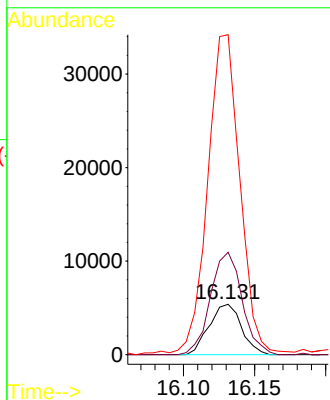
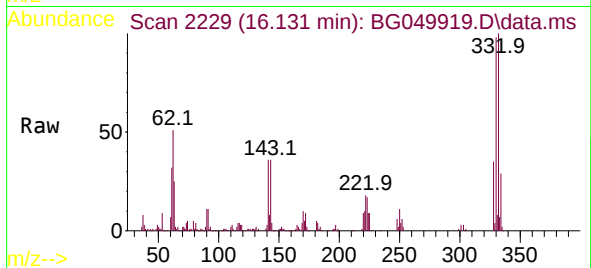




#67
4-Bromophenyl-phenylether
Concen: 3.932 ng
RT: 16.131 min Scan# 2229
Delta R.T. -0.440 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

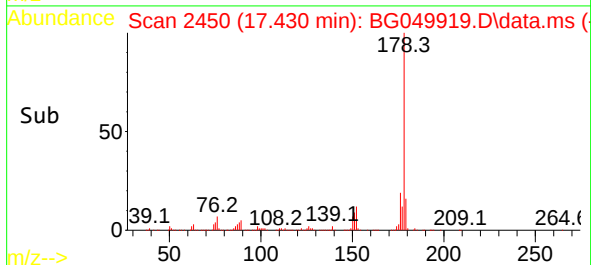
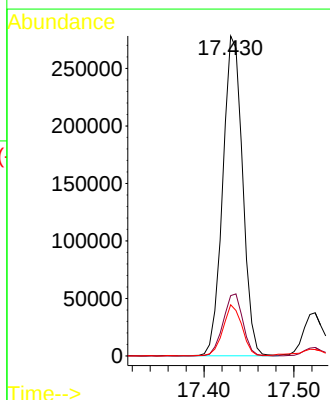
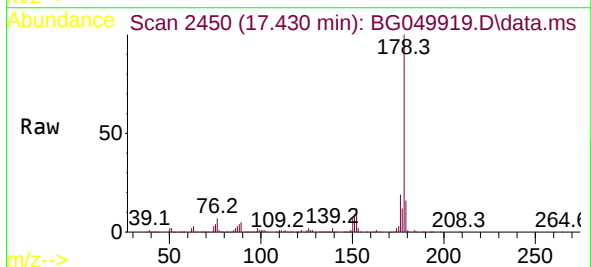
Instrument :
BNA_G
ClientSampleId :
SWCS-04-0002

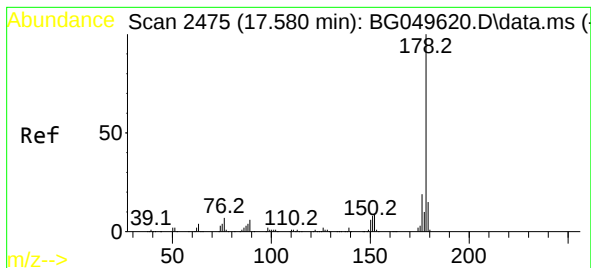
Tgt Ion:248 Resp: 8511
Ion Ratio Lower Upper
248 100
250 203.3 76.1 114.1#
141 635.5 65.4 98.2#



#71
Phenanthrene
Concen: 44.047 ng
RT: 17.430 min Scan# 2450
Delta R.T. 0.001 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

Tgt Ion:178 Resp: 425939
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 16.0 14.2 21.4

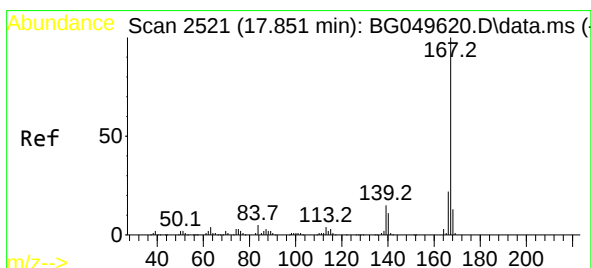
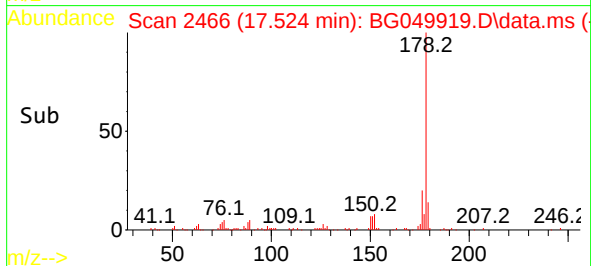
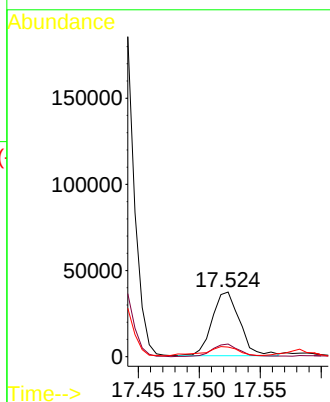
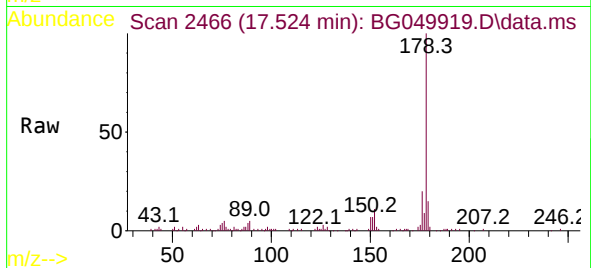




#72
 Anthracene
 Concen: 6.123 ng
 RT: 17.524 min Scan# 2466
 Delta R.T. 0.001 min
 Lab File: BG049919.D
 Acq: 20 Aug 2021 21:30

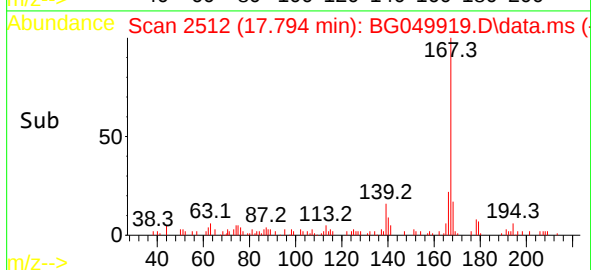
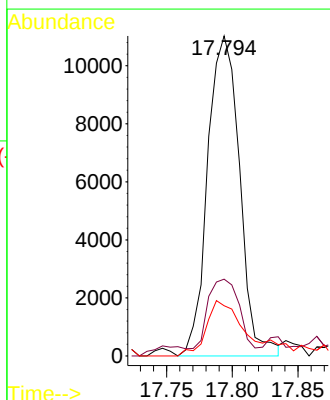
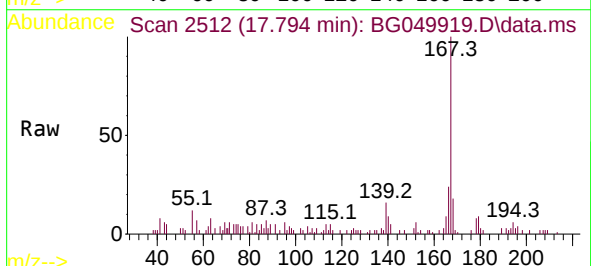
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-04-0002

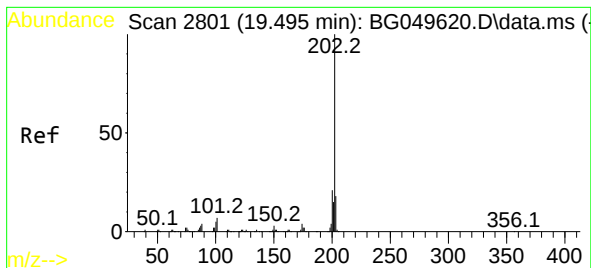
Tgt Ion:178 Resp: 58147
 Ion Ratio Lower Upper
 178 100
 176 19.6 14.6 21.8
 179 14.8 13.4 20.0



#73
 Carbazole
 Concen: 2.080 ng
 RT: 17.794 min Scan# 2512
 Delta R.T. 0.001 min
 Lab File: BG049919.D
 Acq: 20 Aug 2021 21:30

Tgt Ion:167 Resp: 18708
 Ion Ratio Lower Upper
 167 100
 166 24.0 17.4 26.2
 139 15.7 10.7 16.1

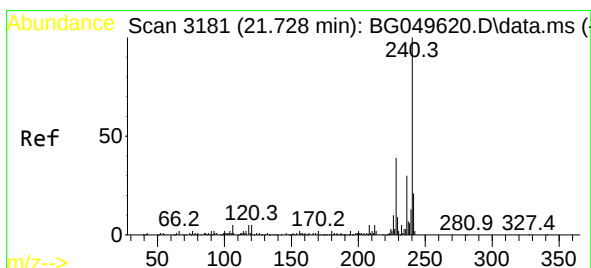
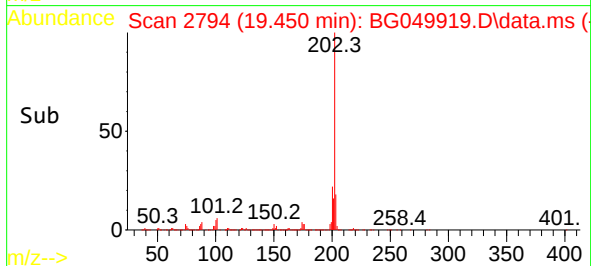
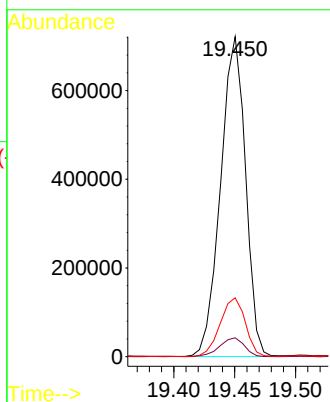
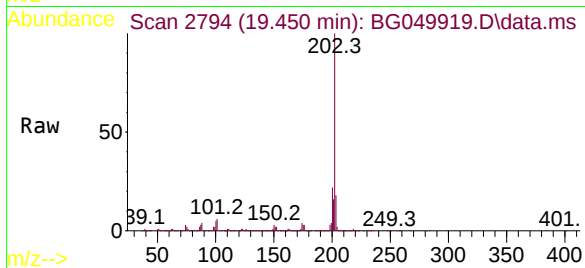




#75
Fluoranthene
Concen: 86.235 ng
RT: 19.450 min Scan# 2794
Delta R.T. 0.006 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

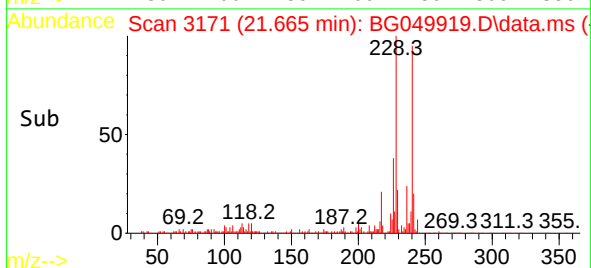
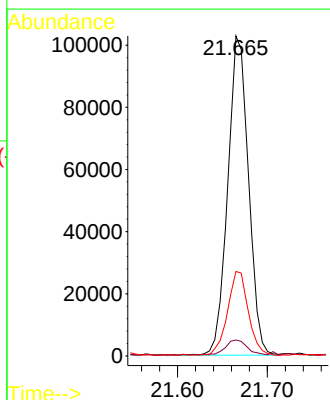
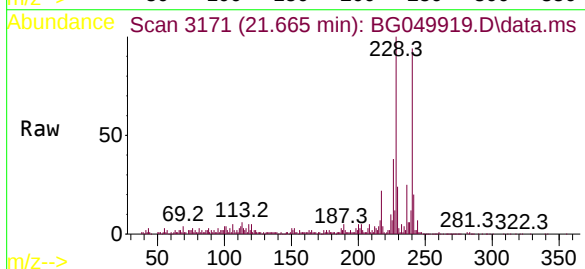
Instrument :
BNA_G
ClientSampleId :
SWCS-04-0002

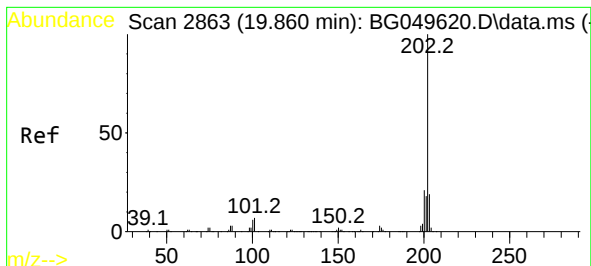
Tgt Ion:202 Resp: 1026172
Ion Ratio Lower Upper
202 100
101 5.9 0.0 24.7
203 18.4 0.0 38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.665 min Scan# 3171
Delta R.T. 0.006 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

Tgt Ion:240 Resp: 164648
Ion Ratio Lower Upper
240 100
120 5.0 4.2 6.2
236 26.4 21.8 32.6





#78

Pyrene

Concen: 89.888 ng

RT: 19.815 min Scan# 2856

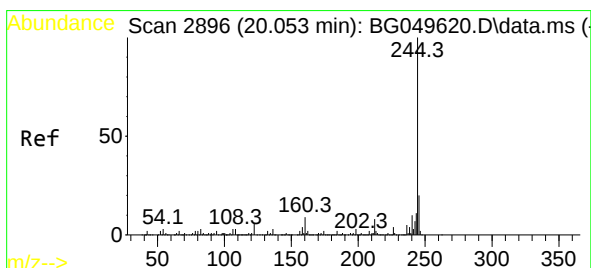
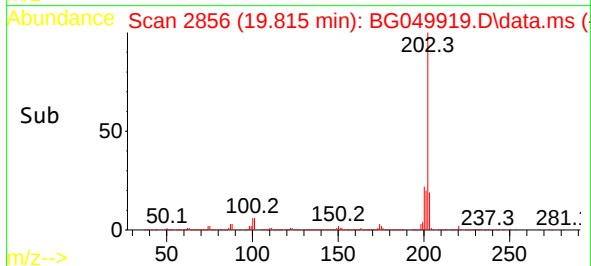
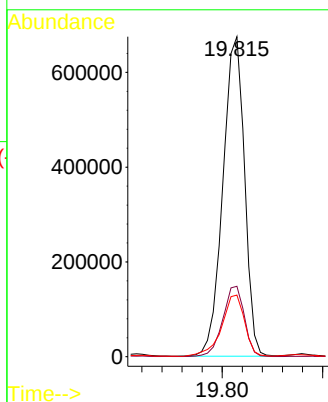
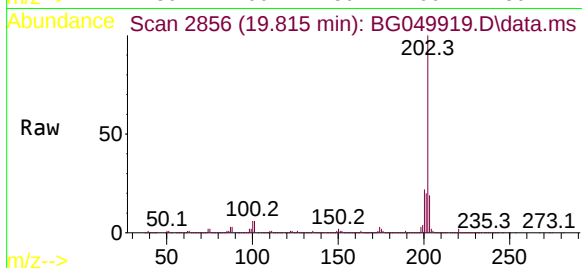
Delta R.T. 0.012 min

Lab File: BG049919.D

Acq: 20 Aug 2021 21:30

Tgt Ion:202 Resp: 1008974

Ion	Ratio	Lower	Upper
202	100		
200	22.0	15.8	23.8
203	19.2	14.6	21.8



#79

Terphenyl-d14

Concen: 67.731 ng

RT: 20.003 min Scan# 2888

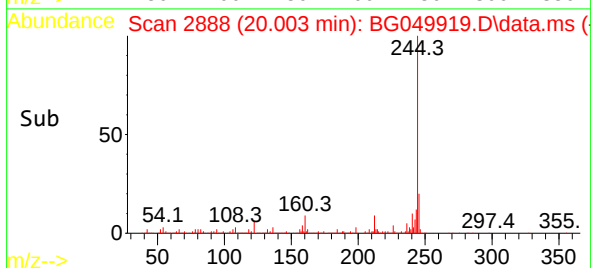
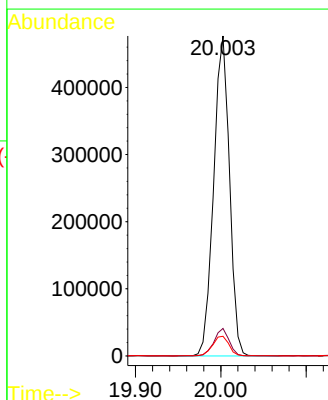
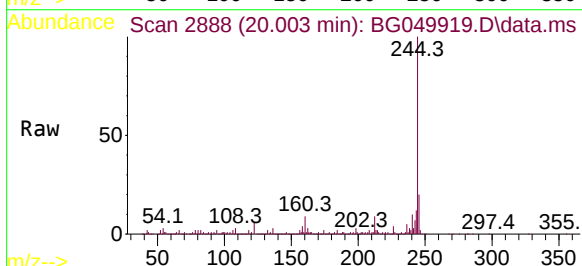
Delta R.T. 0.006 min

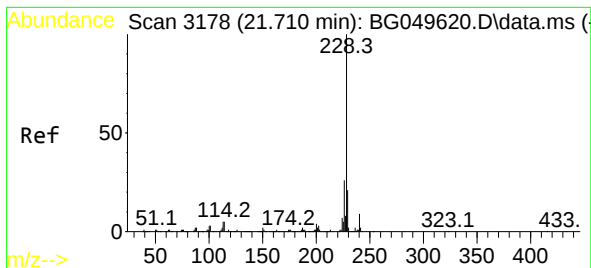
Lab File: BG049919.D

Acq: 20 Aug 2021 21:30

Tgt Ion:244 Resp: 614012

Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.9	10.3
122	6.1	5.0	7.6

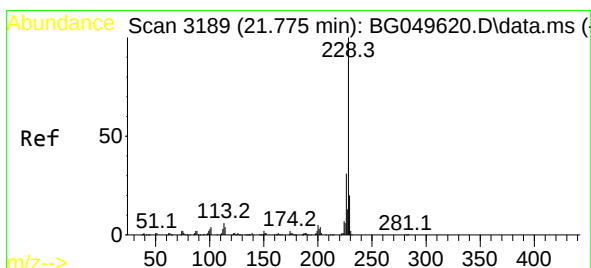
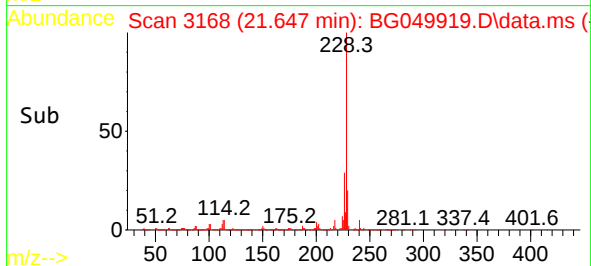
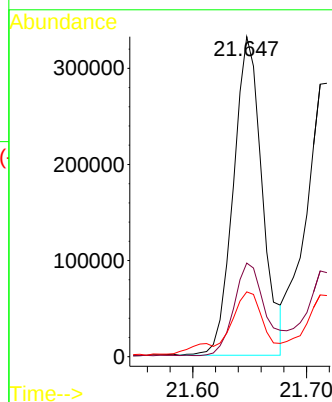
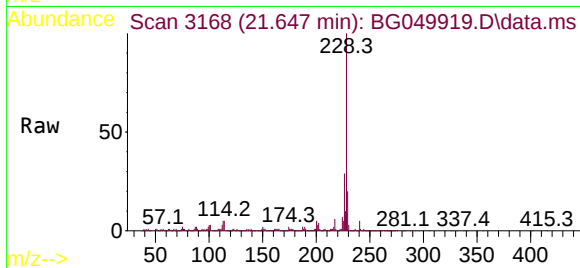




#81
Benzo(a)anthracene
Concen: 54.495 ng
RT: 21.647 min Scan# 3168
Delta R.T. 0.006 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

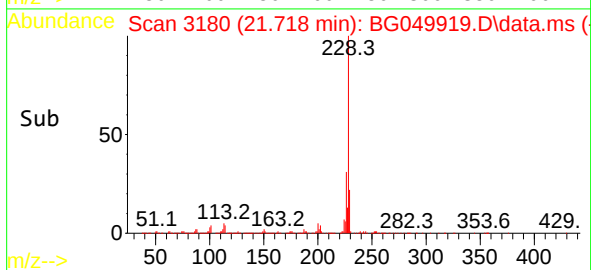
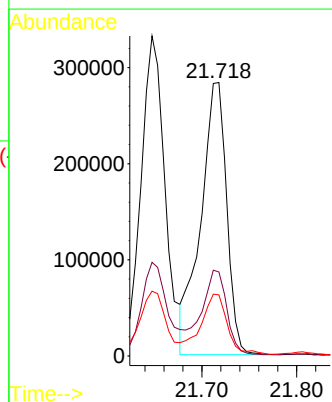
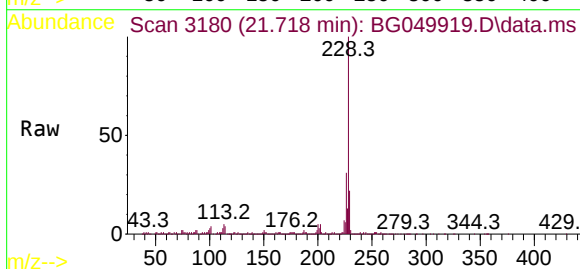
Instrument :
BNA_G
ClientSampleId :
SWCS-04-0002

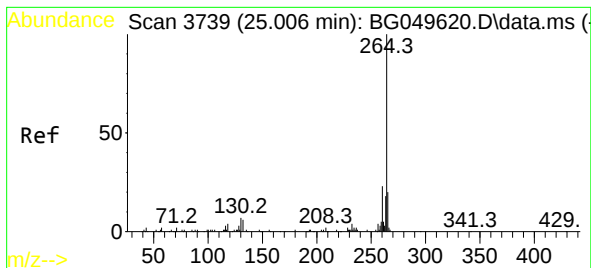
Tgt Ion:228 Resp: 584321
Ion Ratio Lower Upper
228 100
226 29.3 22.7 34.1
229 20.2 16.0 24.0



#83
Chrysene
Concen: 52.629 ng
RT: 21.718 min Scan# 3180
Delta R.T. 0.012 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

Tgt Ion:228 Resp: 539432
Ion Ratio Lower Upper
228 100
226 30.7 23.1 34.7
229 22.3 15.3 22.9

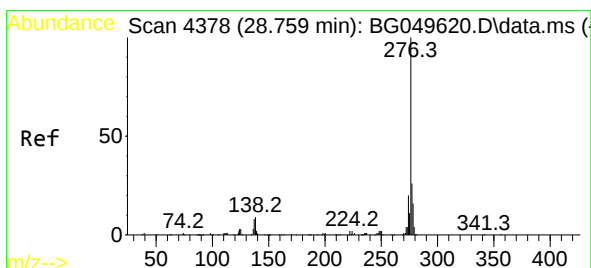
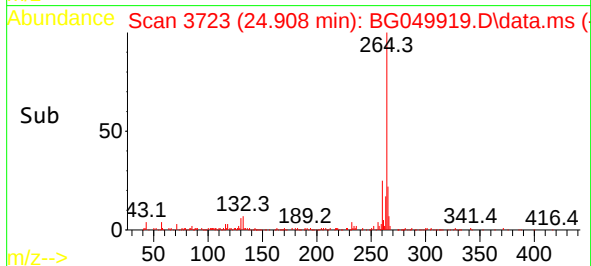
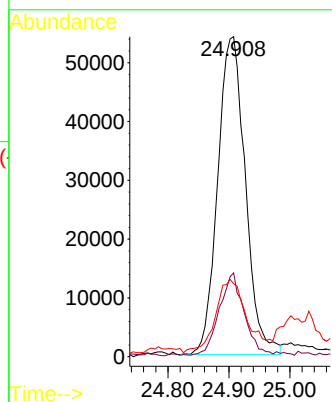
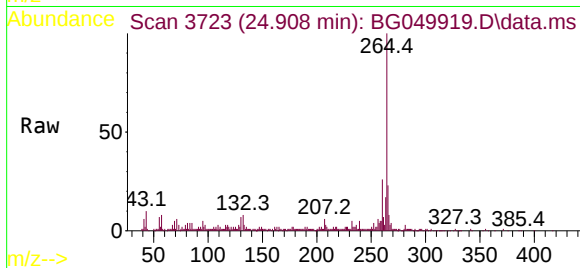




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.908 min Scan# 3723
Delta R.T. 0.024 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

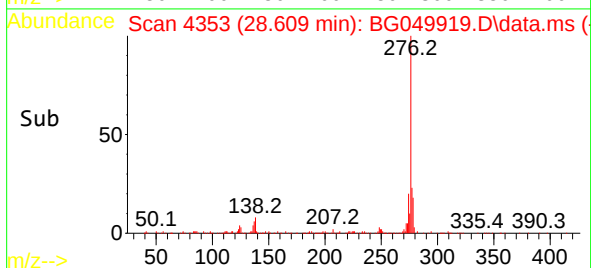
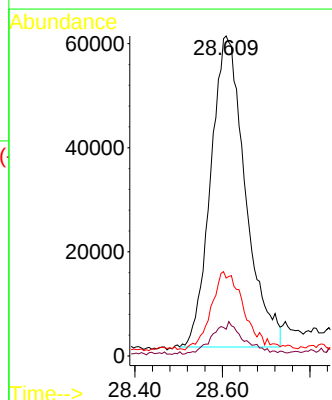
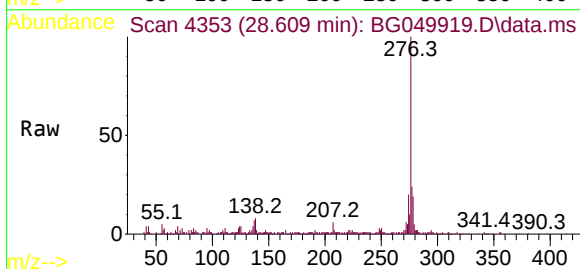
Instrument :
BNA_G
ClientSampleId :
SWCS-04-0002

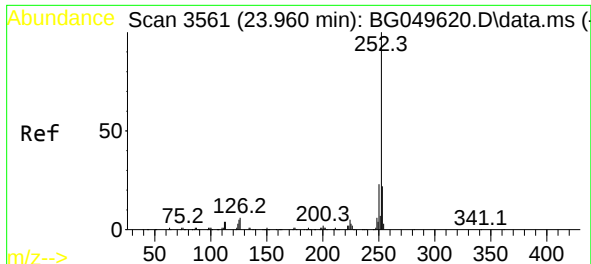
Tgt Ion:264 Resp: 170440
Ion Ratio Lower Upper
264 100
260 26.2 19.4 29.2
265 22.8 16.9 25.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 26.671 ng
RT: 28.609 min Scan# 4353
Delta R.T. 0.030 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

Tgt Ion:276 Resp: 327837
Ion Ratio Lower Upper
276 100
138 9.3 5.1 7.7#
277 24.0 19.8 29.6

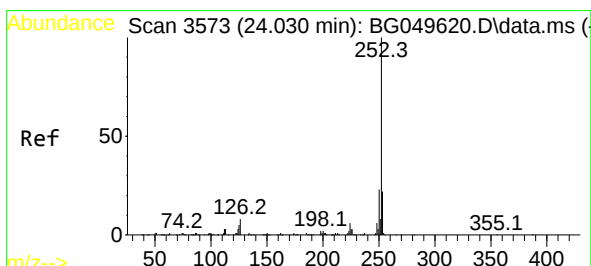
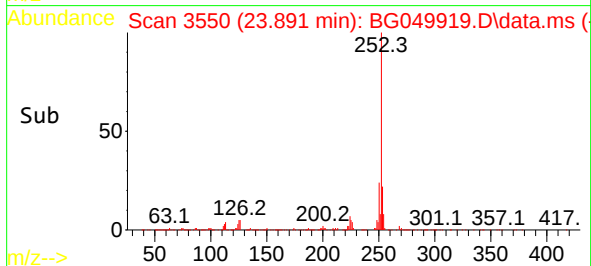
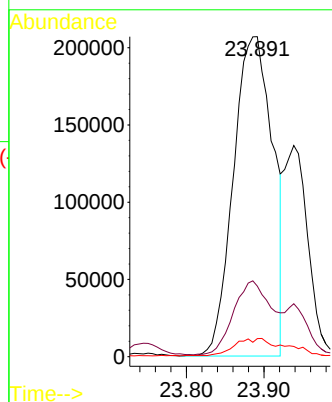
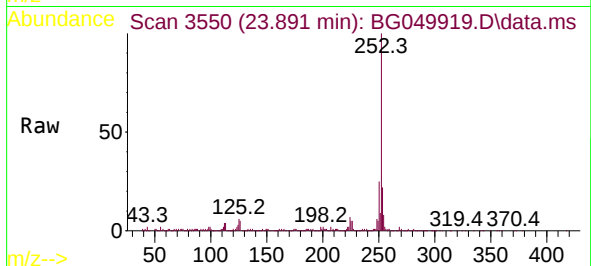




#88
Benzo(b)fluoranthene
Concen: 65.161 ng
RT: 23.891 min Scan# 3550
Delta R.T. 0.030 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

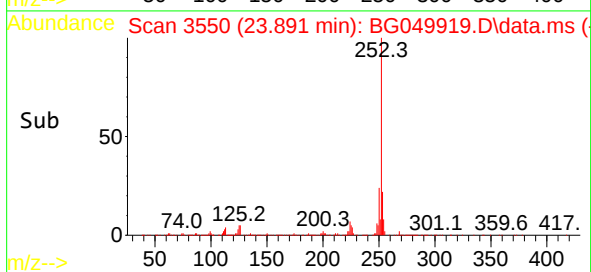
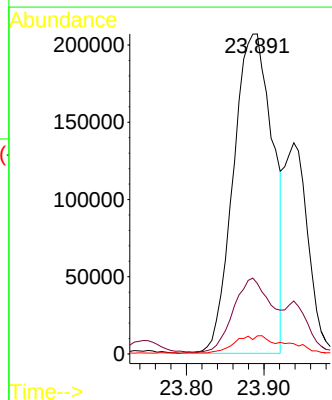
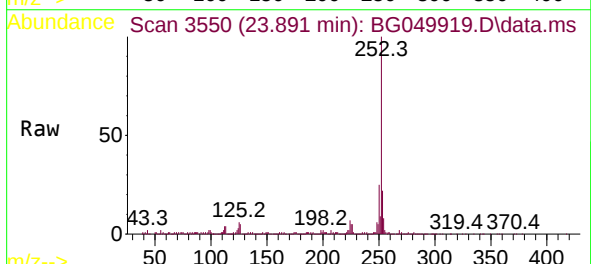
Instrument :
BNA_G
ClientSampleId :
SWCS-04-0002

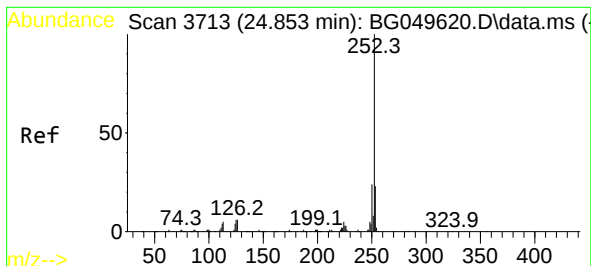
Tgt Ion:252 Resp: 728389
Ion Ratio Lower Upper
252 100
253 22.1 16.2 24.4
125 5.6 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 69.857 ng
RT: 23.891 min Scan# 3550
Delta R.T. -0.035 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

Tgt Ion:252 Resp: 728389
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 5.6 3.1 4.7#

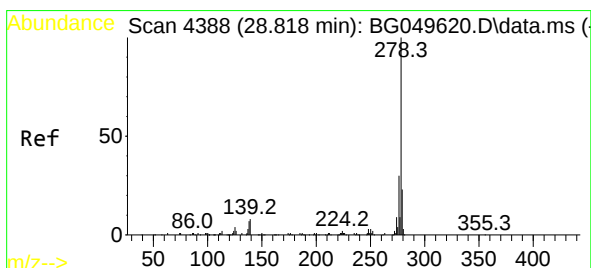
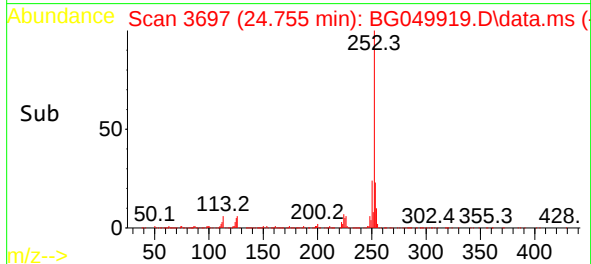
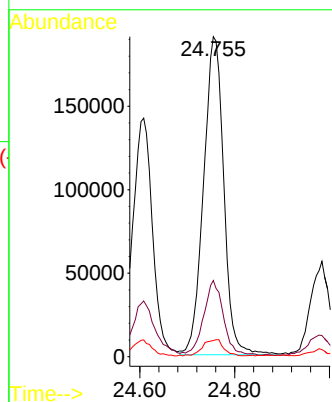
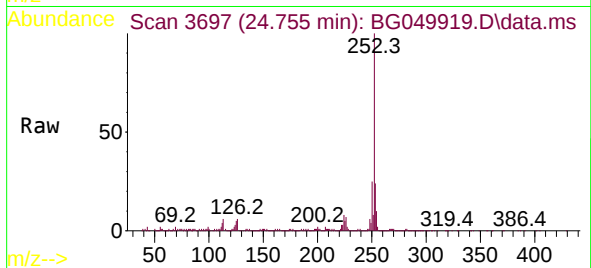




#90
Benzo(a)pyrene
Concen: 55.724 ng
RT: 24.755 min Scan# 3697
Delta R.T. 0.018 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

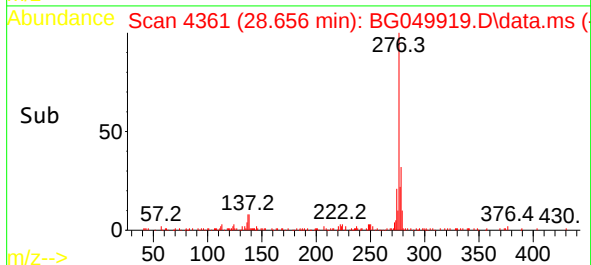
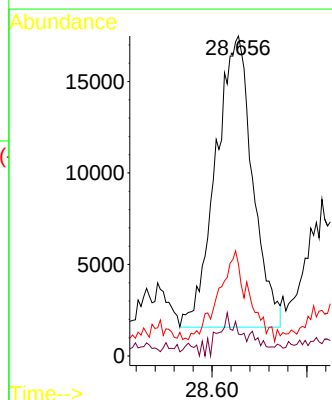
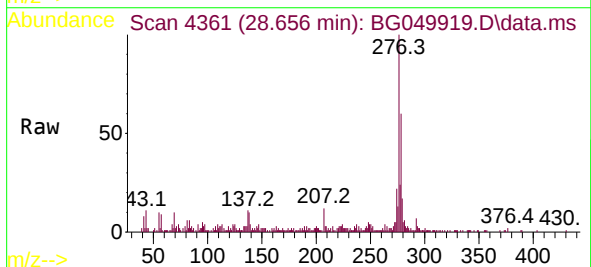
Instrument :
BNA_G
ClientSampleId :
SWCS-04-0002

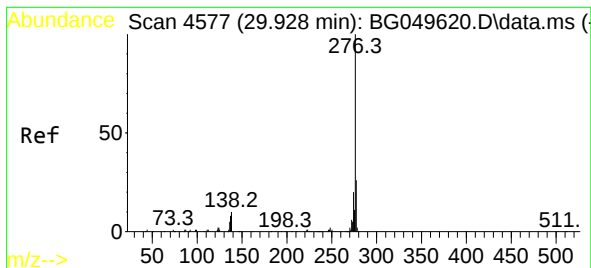
Tgt Ion:252 Resp: 563714
Ion Ratio Lower Upper
252 100
253 23.8 16.6 25.0
125 5.1 3.5 5.3



#91
Dibenzo(a,h)anthracene
Concen: 8.310 ng
RT: 28.656 min Scan# 4361
Delta R.T. 0.018 min
Lab File: BG049919.D
Acq: 20 Aug 2021 21:30

Tgt Ion:278 Resp: 86077
Ion Ratio Lower Upper
278 100
139 6.9 4.6 6.8#
279 28.8 17.9 26.9#





#92
 Benzo(g,h,i)perylene
 Concen: 33.613 ng
 RT: 29.778 min Scan# 4552
 Delta R.T. 0.042 min
 Lab File: BG049919.D
 Acq: 20 Aug 2021 21:30

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-04-0002

Tgt Ion:276 Resp: 341090
 Ion Ratio Lower Upper
 276 100
 277 24.0 18.4 27.6
 138 8.1 7.0 10.6

