

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082121\
 Data File : BG049926.D
 Acq On : 21 Aug 2021 2:18
 Operator : CG/JU
 Sample : M3419-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0510

Quant Time: Aug 21 05:23:01 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)

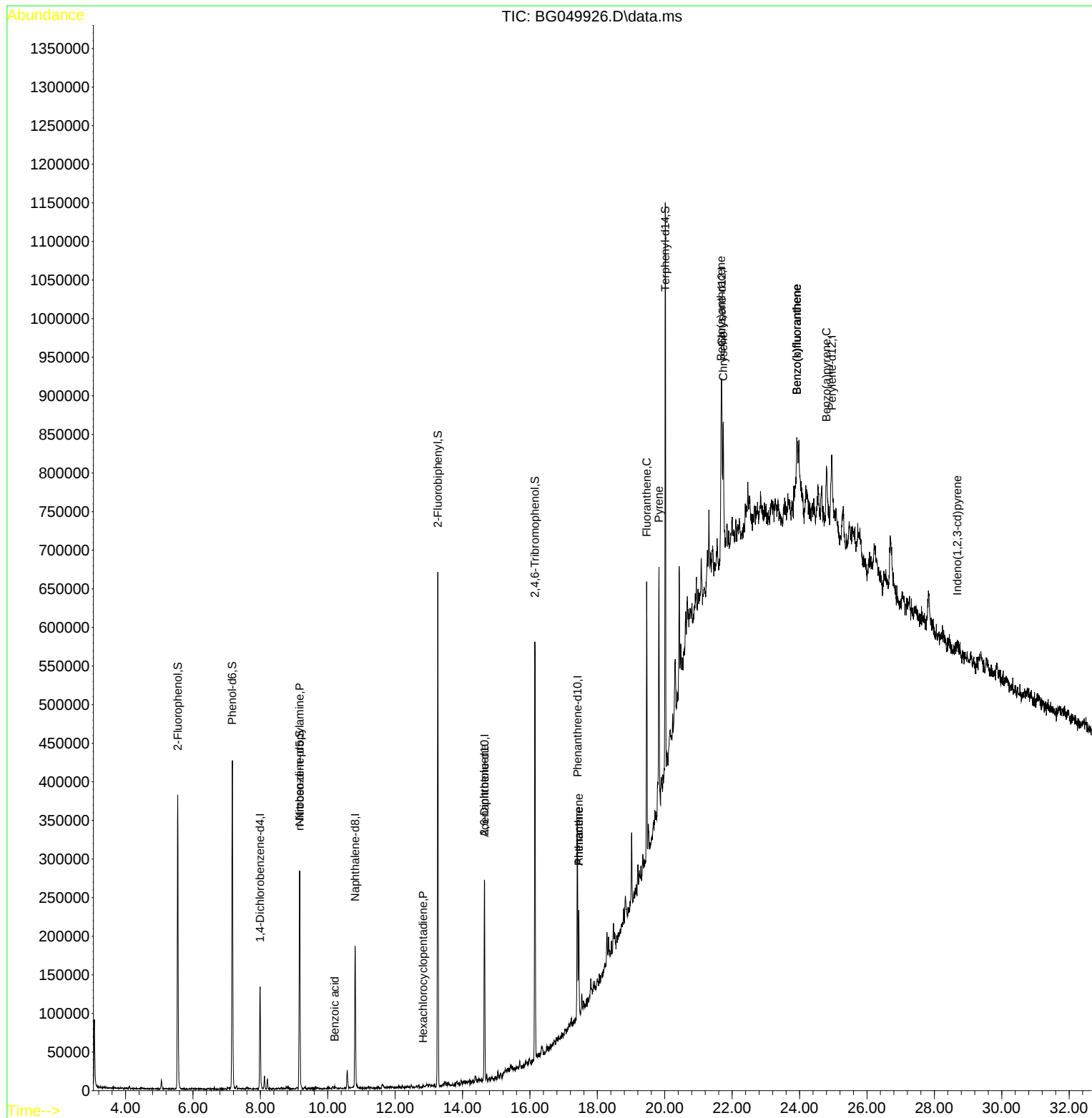
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.991	152	36714	20.000	ng	0.01
21) Naphthalene-d8	10.811	136	154217	20.000	ng	# 0.01
39) Acenaphthene-d10	14.653	164	93071	20.000	ng	0.01
64) Phenanthrene-d10	17.408	188	160497	20.000	ng	# 0.02
76) Chrysene-d12	21.690	240	131232	20.000	ng	# 0.03
86) Perylene-d12	24.956	264	73746	20.000	ng	# 0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.547	112	164013	80.081	ng	0.02
7) Phenol-d6	7.163	99	244666	78.918	ng	0.02
23) Nitrobenzene-d5	9.166	82	180928	51.916	ng	0.01
42) 2,4,6-Tribromophenol	16.145	330	107558	78.623	ng	0.01
45) 2-Fluorobiphenyl	13.266	172	328333	51.332	ng	0.01
79) Terphenyl-d14	20.016	244	317924	44.000	ng	0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.160	70	28103	13.546	ng	# 73
32) Benzoic acid	10.206	122	56	4.981	ng	# 35
41) Hexachlorocyclopentadiene	12.826	237	57	3.577	ng	# 31
51) 2,6-Dinitrotoluene	14.647	165	12534	8.107	ng	# 13
71) Phenanthrene	17.449	178	82648	9.788	ng	98
72) Anthracene	17.449	178	82648	9.966	ng	97
75) Fluoranthene	19.464	202	225360	21.689	ng	100
78) Pyrene	19.828	202	207124	23.151	ng	97
81) Benzo(a)anthracene	21.673	228	99949	11.695	ng	# 91
83) Chrysene	21.731	228	159600	19.536	ng	# 91
87) Indeno(1,2,3-cd)pyrene	28.681	276	36116	6.791	ng	# 82
88) Benzo(b)fluoranthene	23.922	252	119847	24.779	ng	# 87
89) Benzo(k)fluoranthene	23.922	252	119847	26.565	ng	# 92
90) Benzo(a)pyrene	24.798	252	62368	14.249	ng	# 75

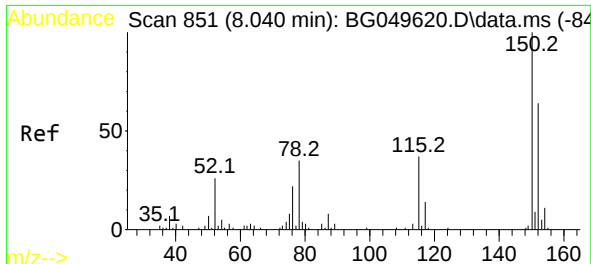
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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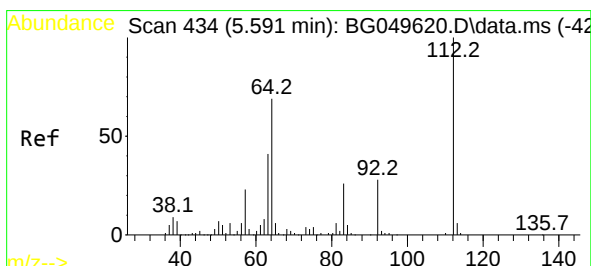
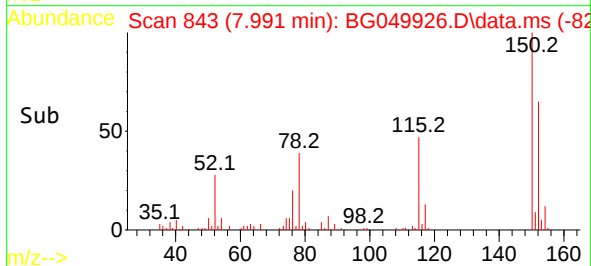
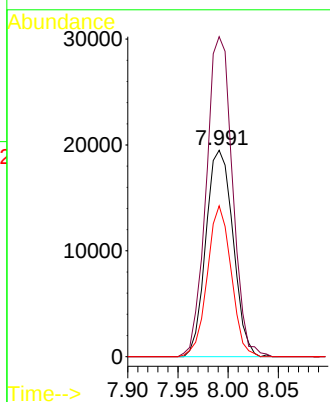
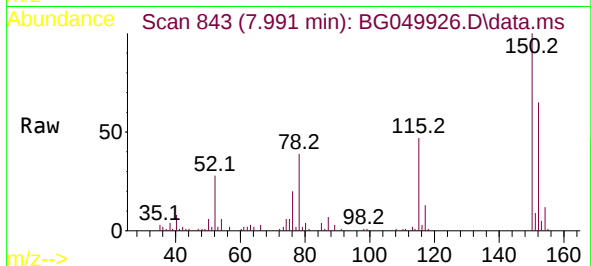




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.991 min Scan# 843
Delta R.T. 0.014 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

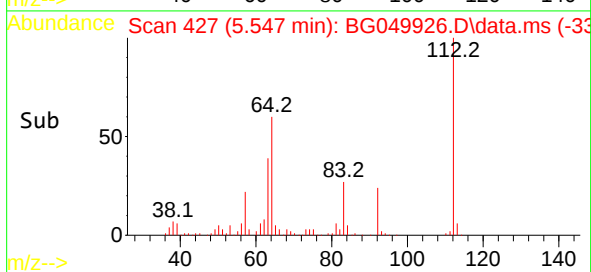
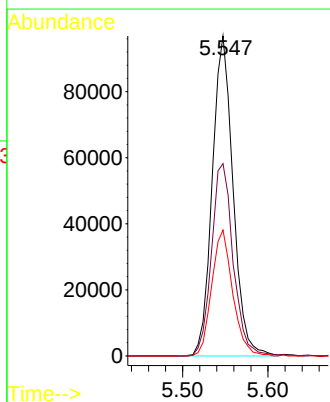
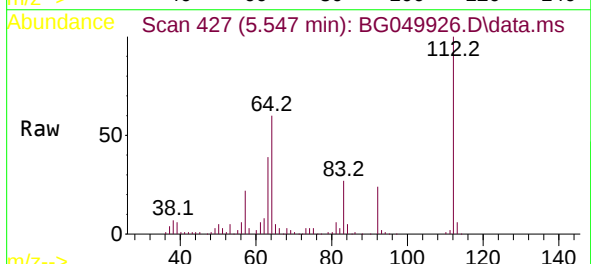
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0510

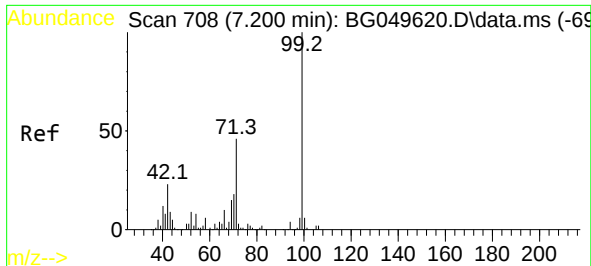
Tgt Ion:152 Resp: 36714
Ion Ratio Lower Upper
152 100
150 155.0 119.4 179.0
115 73.1 60.2 90.4



#5
2-Fluorophenol
Concen: 80.081 ng
RT: 5.547 min Scan# 427
Delta R.T. 0.020 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

Tgt Ion:112 Resp: 164013
Ion Ratio Lower Upper
112 100
64 60.1 46.7 70.1
63 39.3 35.3 52.9

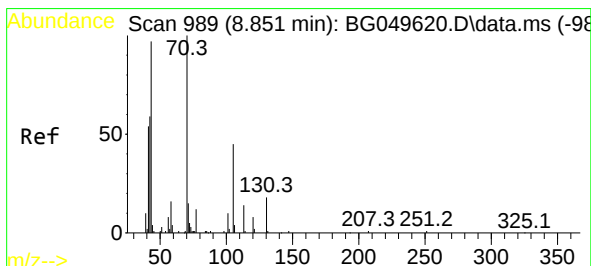
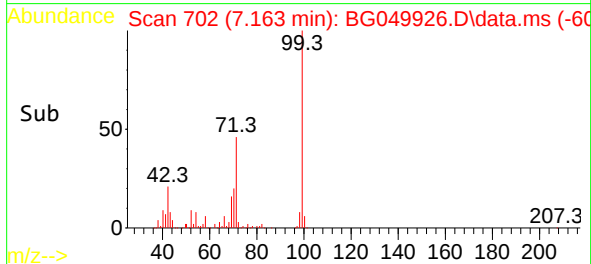
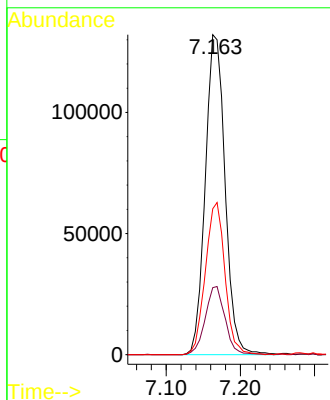
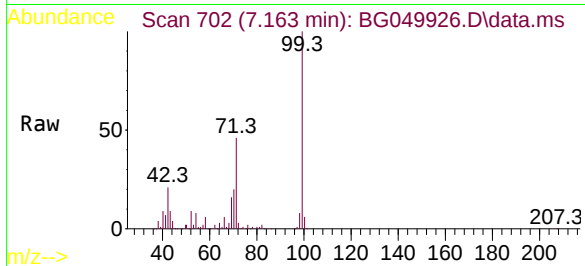




#7
Phenol-d6
Concen: 78.918 ng
RT: 7.163 min Scan# 702
Delta R.T. 0.020 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

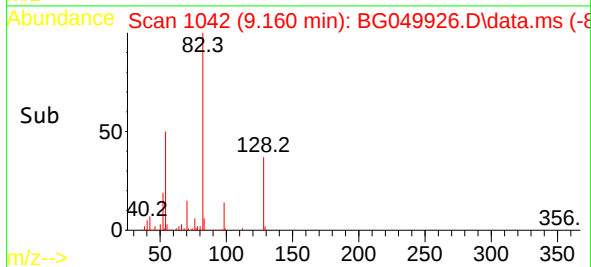
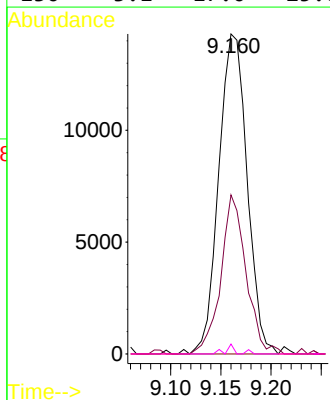
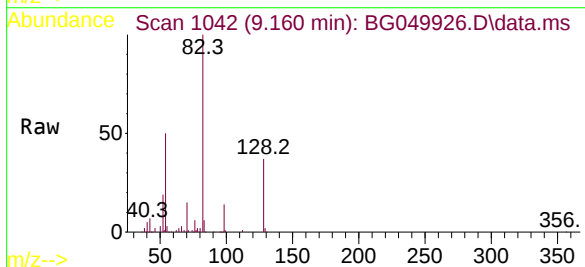
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0510

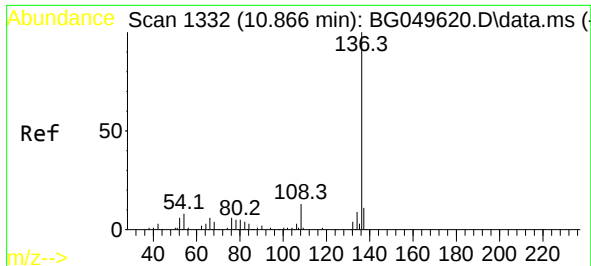
Tgt Ion: 99 Resp: 244666
Ion Ratio Lower Upper
99 100
42 21.0 20.5 30.7
71 45.6 41.5 62.3



#19
n-Nitroso-di-n-propylamine
Concen: 13.546 ng
RT: 9.160 min Scan# 1042
Delta R.T. 0.372 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

Tgt Ion: 70 Resp: 28103
Ion Ratio Lower Upper
70 100
42 49.7 54.5 81.7#
101 0.0 9.0 13.6#
130 3.1 17.0 25.6#

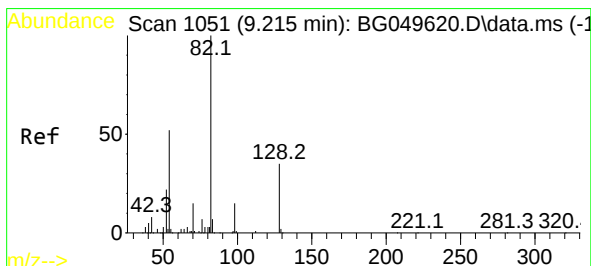
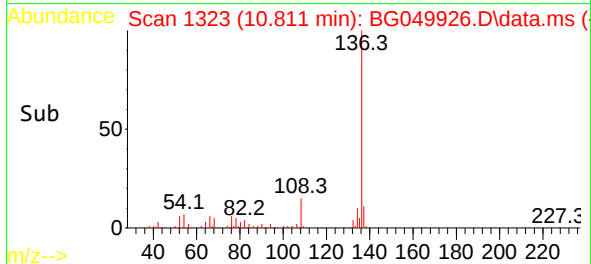
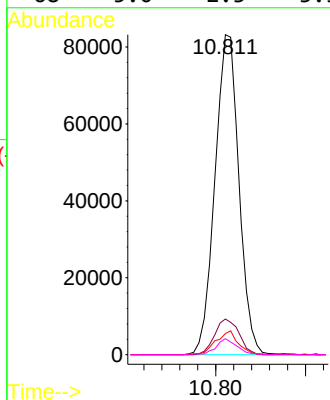
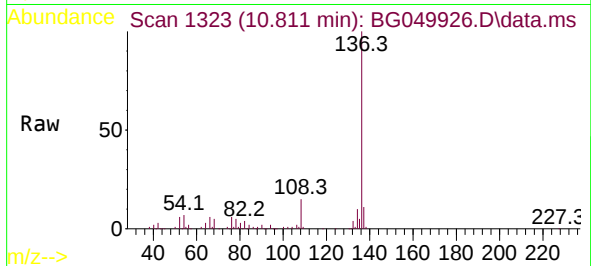




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.811 min Scan# 1323
Delta R.T. 0.014 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

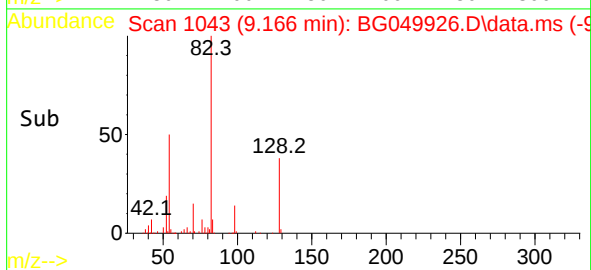
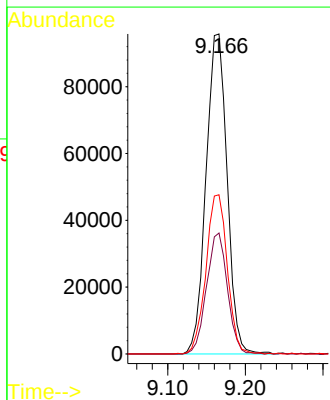
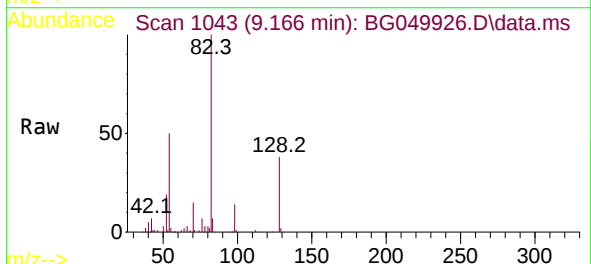
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0510

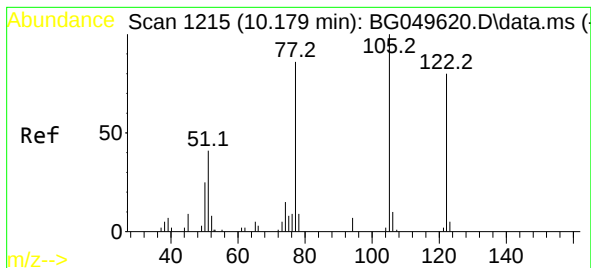
Tgt Ion:	136	Resp:	154217
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.2	12.2
54	6.6	5.5	8.3
68	5.0	2.3	3.5#



#23
Nitrobenzene-d5
Concen: 51.916 ng
RT: 9.166 min Scan# 1043
Delta R.T. 0.014 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

Tgt Ion:	82	Resp:	180928
Ion Ratio	Lower	Upper	
82	100		
128	37.8	29.8	44.6
54	49.7	45.8	68.8

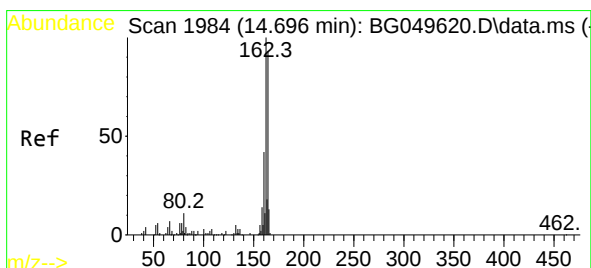
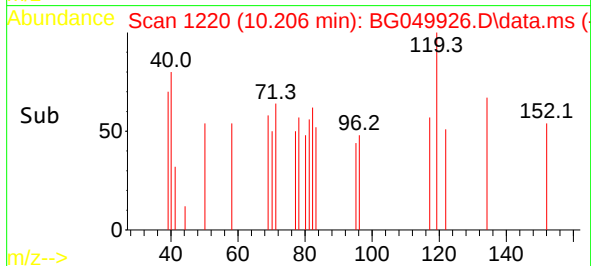
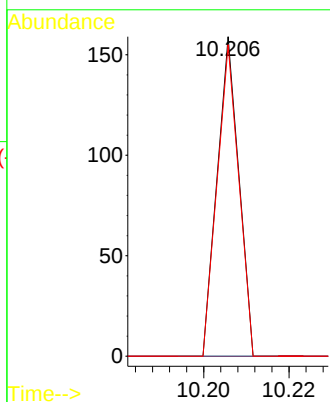
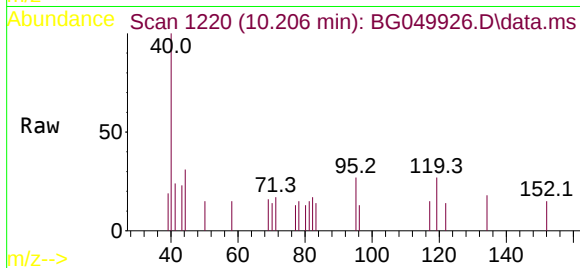




#32
Benzoic acid
Concen: 4.981 ng
RT: 10.206 min Scan# 1220
Delta R.T. 0.084 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

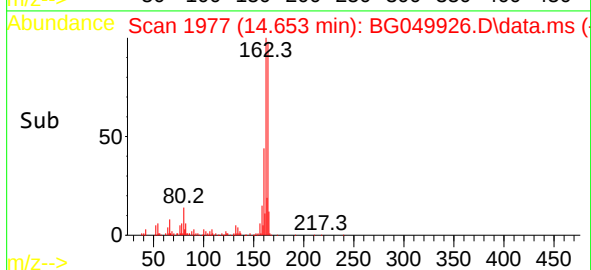
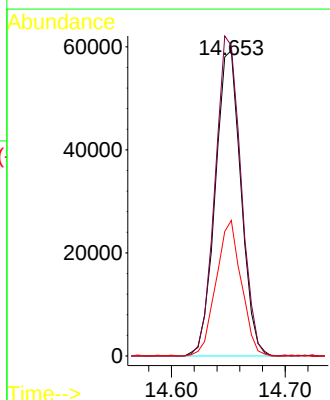
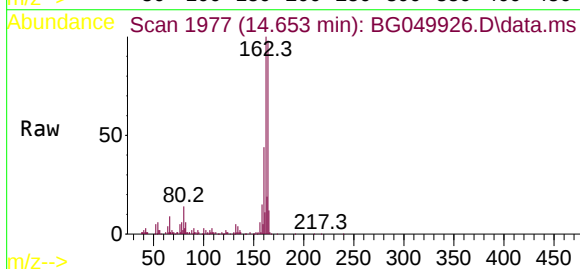
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0510

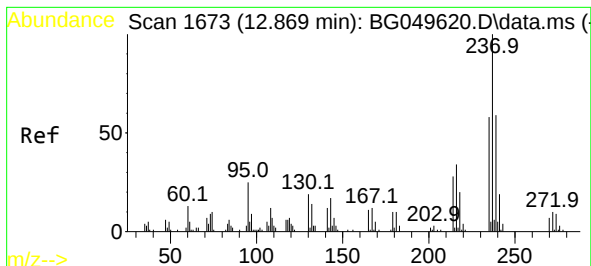
Tgt Ion:122 Resp: 56
Ion Ratio Lower Upper
122 100
105 0.0 92.3 132.3#
77 97.5 66.5 106.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.653 min Scan# 1977
Delta R.T. 0.014 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

Tgt Ion:164 Resp: 93071
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.0
160 44.4 34.9 52.3

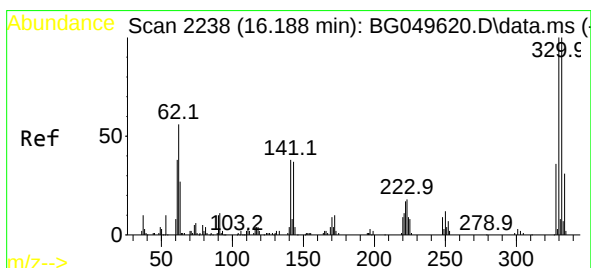
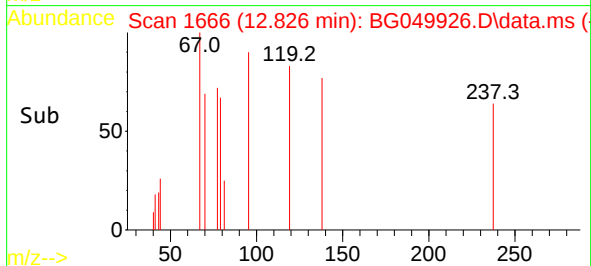
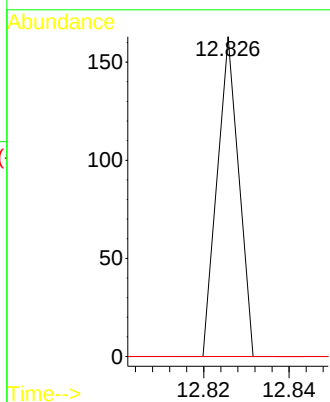
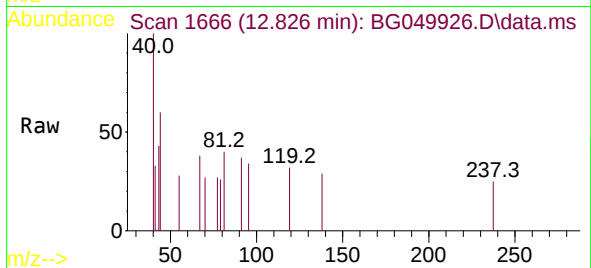




#41
Hexachlorocyclopentadiene
Concen: 3.577 ng
RT: 12.826 min Scan# 1666
Delta R.T. 0.026 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

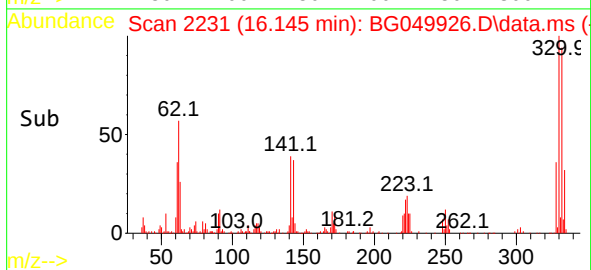
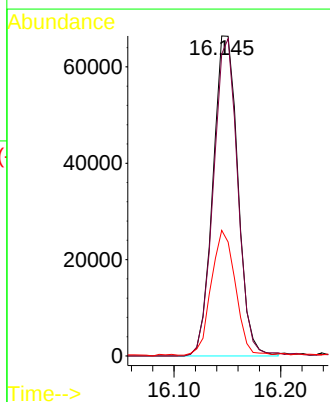
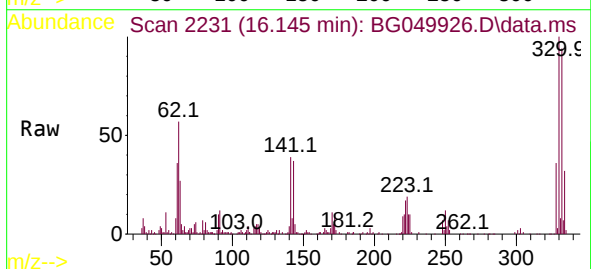
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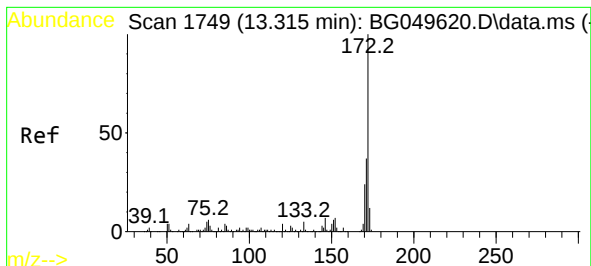
Tgt Ion:237 Resp: 57
Ion Ratio Lower Upper
237 100
235 0.0 36.6 76.6#
272 0.0 0.0 32.5



#42
2,4,6-Tribromophenol
Concen: 78.623 ng
RT: 16.145 min Scan# 2231
Delta R.T. 0.014 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

Tgt Ion:330 Resp: 107558
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 37.8 35.6 53.4

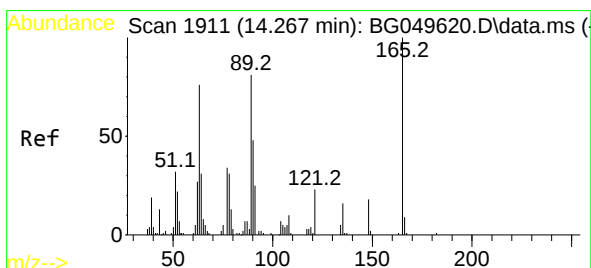
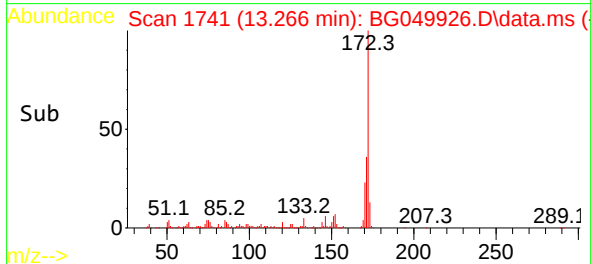
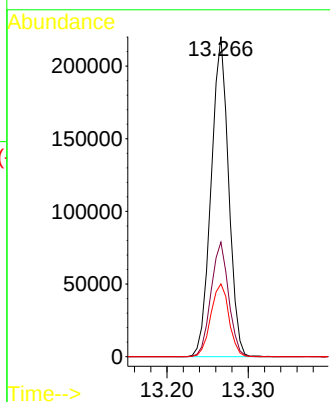
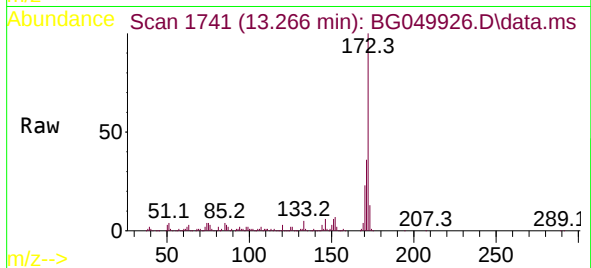




#45
2-Fluorobiphenyl
Concen: 51.332 ng
RT: 13.266 min Scan# 1741
Delta R.T. 0.014 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

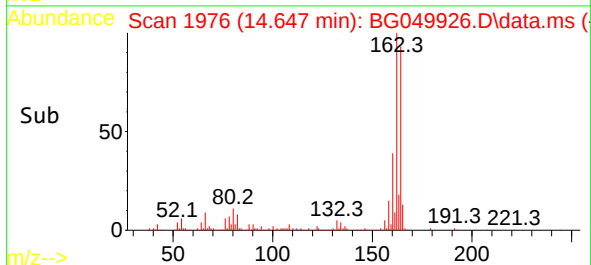
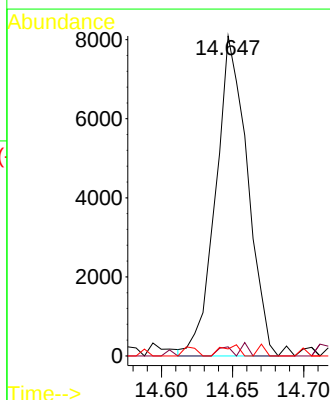
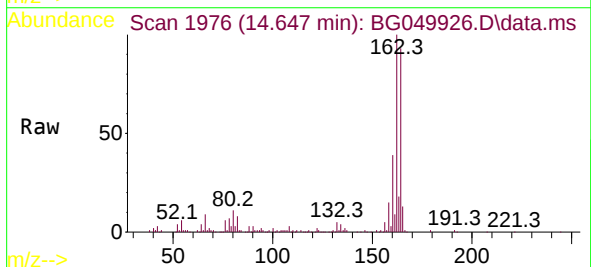
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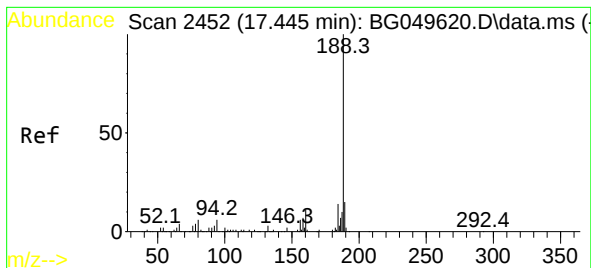
Tgt Ion:172 Resp: 328333
Ion Ratio Lower Upper
172 100
171 35.8 28.6 43.0
170 22.8 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 8.107 ng
RT: 14.647 min Scan# 1976
Delta R.T. 0.437 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

Tgt Ion:165 Resp: 12534
Ion Ratio Lower Upper
165 100
63 2.9 63.3 94.9#
89 2.2 63.4 95.0#

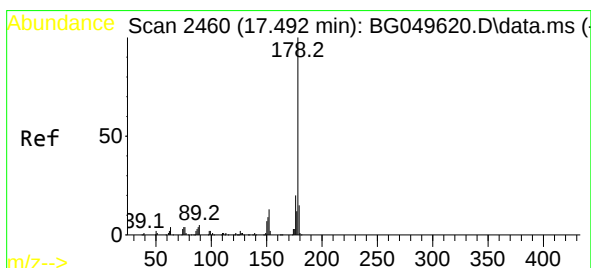
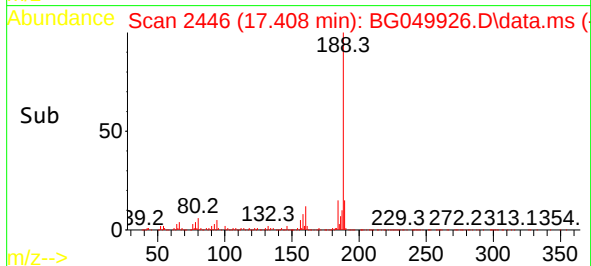
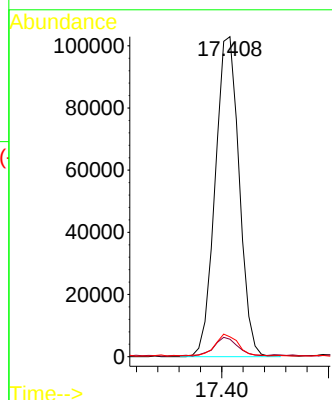
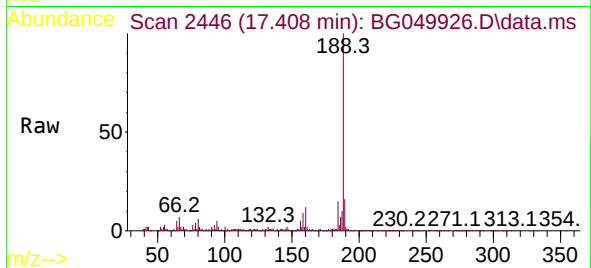




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.408 min Scan# 2446
Delta R.T. 0.020 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

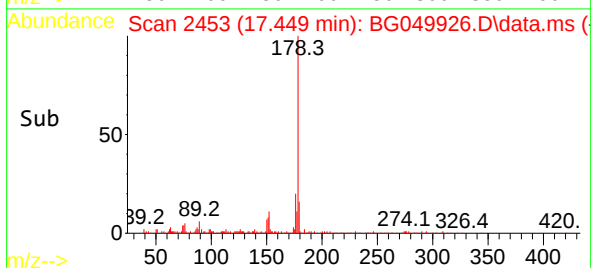
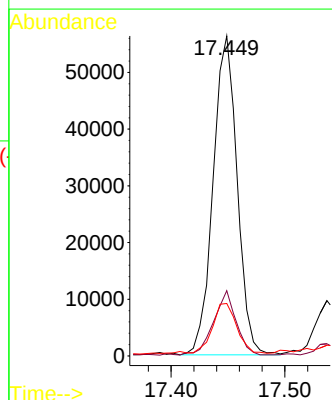
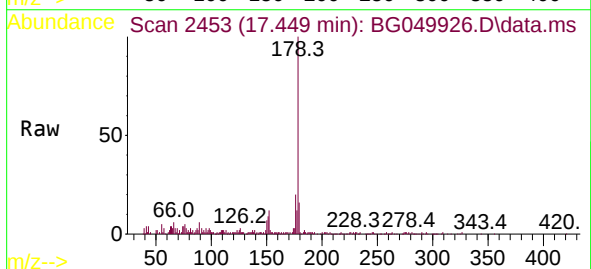
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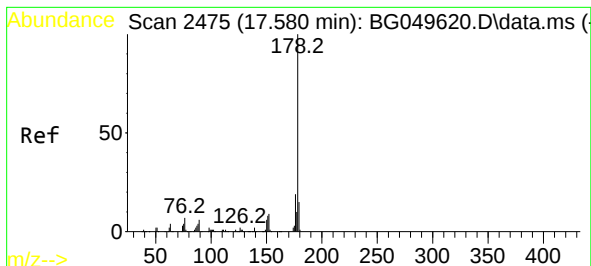
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Ion Ratio Lower Upper
188 100
94 5.5 5.4 8.0
80 6.2 3.7 5.5#



#71
Phenanthrene
Concen: 9.788 ng
RT: 17.449 min Scan# 2453
Delta R.T. 0.020 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

Tgt Ion:178 Resp: 82648
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 16.4 14.2 21.4

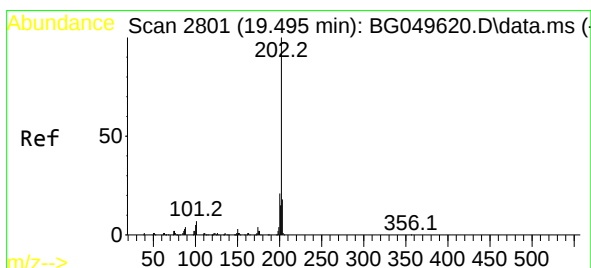
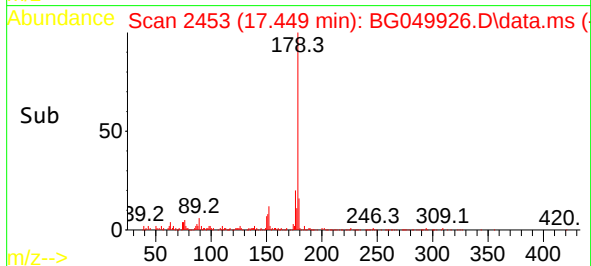
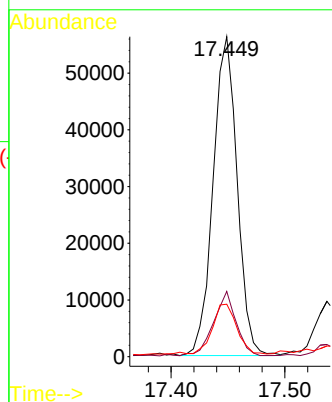
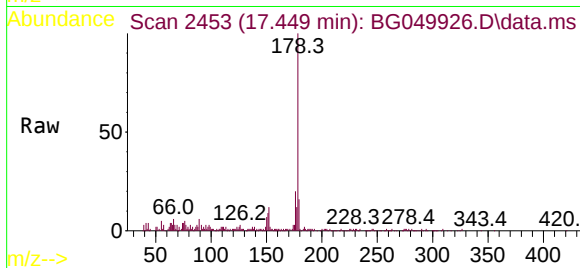




#72
 Anthracene
 Concen: 9.966 ng
 RT: 17.449 min Scan# 2453
 Delta R.T. -0.074 min
 Lab File: BG049926.D
 Acq: 21 Aug 2021 2:18

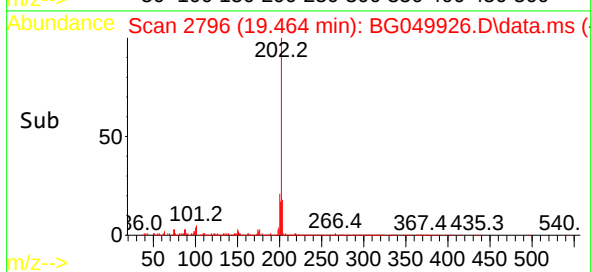
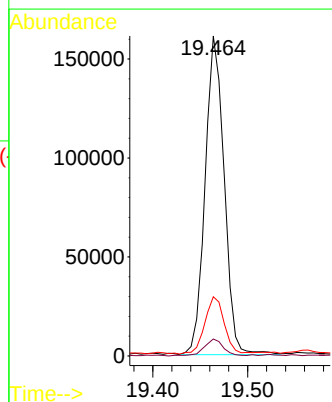
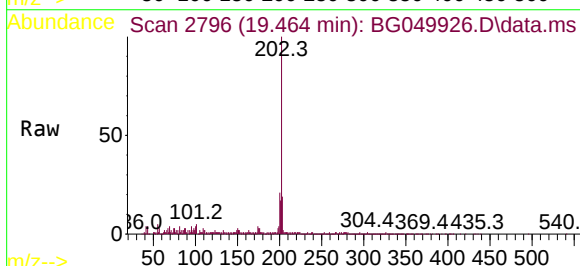
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0510

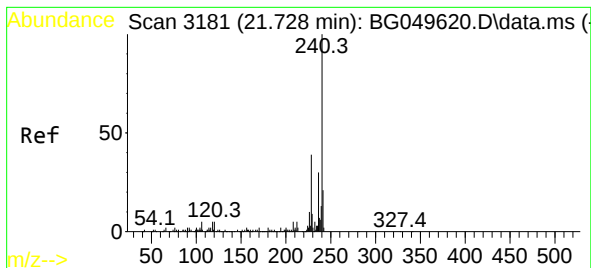
Tgt Ion:178 Resp: 82648
 Ion Ratio Lower Upper
 178 100
 176 20.4 14.6 21.8
 179 16.4 13.4 20.0



#75
 Fluoranthene
 Concen: 21.689 ng
 RT: 19.464 min Scan# 2796
 Delta R.T. 0.020 min
 Lab File: BG049926.D
 Acq: 21 Aug 2021 2:18

Tgt Ion:202 Resp: 225360
 Ion Ratio Lower Upper
 202 100
 101 5.3 0.0 24.7
 203 18.5 0.0 38.5

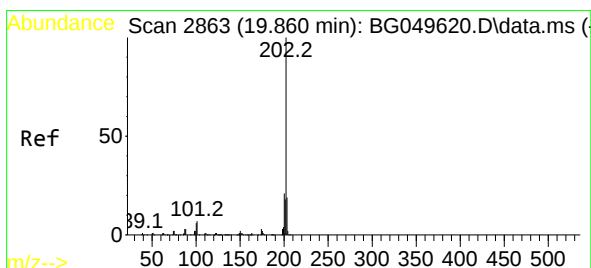
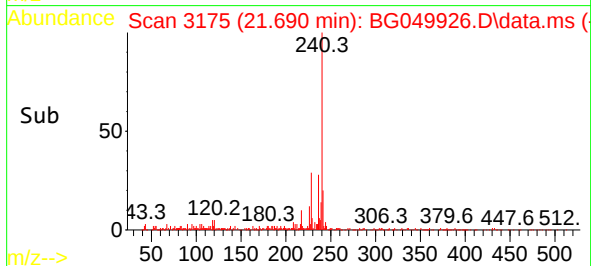
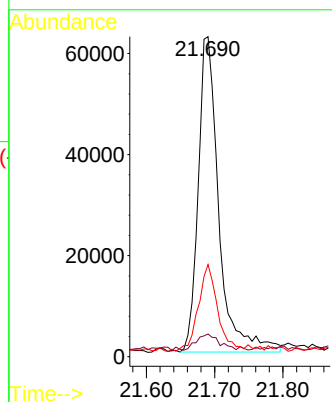
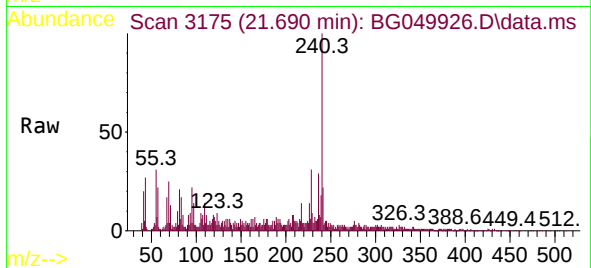




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.690 min Scan# 3175
Delta R.T. 0.032 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

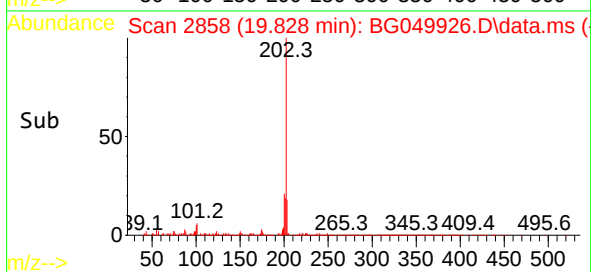
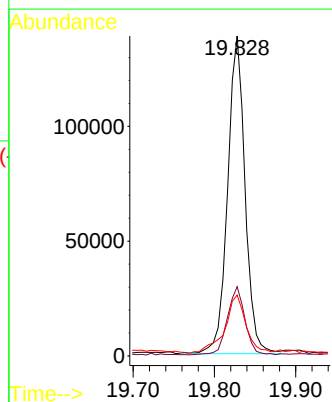
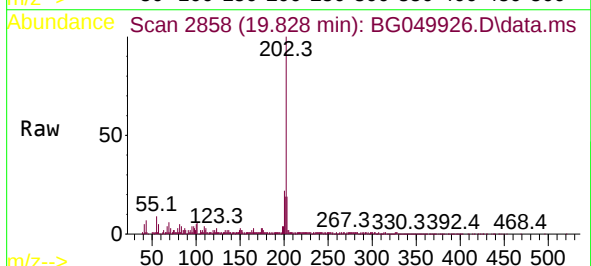
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0510

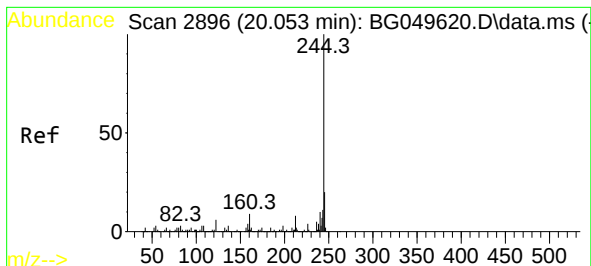
Tgt Ion:240 Resp: 131232
Ion Ratio Lower Upper
240 100
120 7.1 4.2 6.2#
236 28.8 21.8 32.6



#78
Pyrene
Concen: 23.151 ng
RT: 19.828 min Scan# 2858
Delta R.T. 0.026 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

Tgt Ion:202 Resp: 207124
Ion Ratio Lower Upper
202 100
200 21.7 15.8 23.8
203 19.0 14.6 21.8

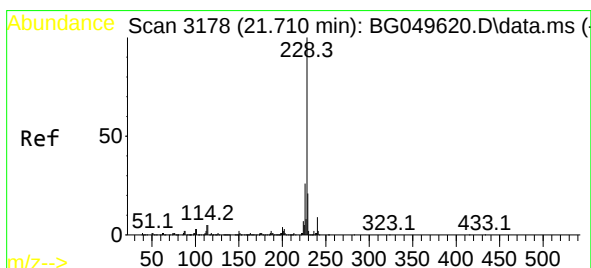
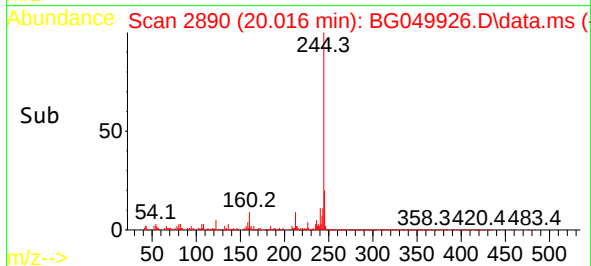
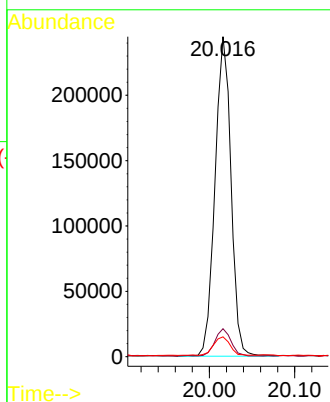
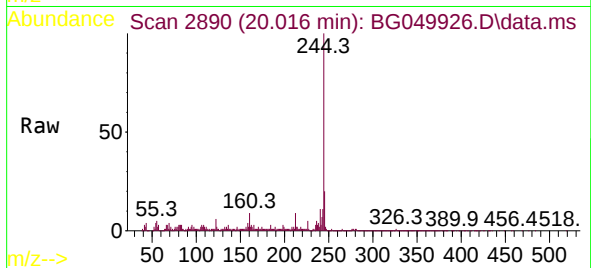




#79
 Terphenyl-d14
 Concen: 44.000 ng
 RT: 20.016 min Scan# 2890
 Delta R.T. 0.020 min
 Lab File: BG049926.D
 Acq: 21 Aug 2021 2:18

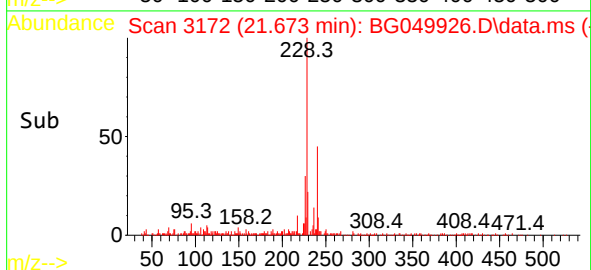
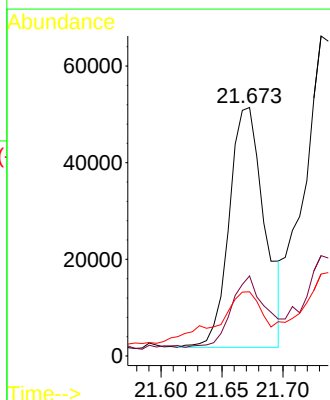
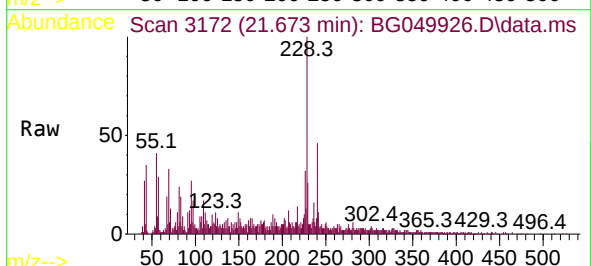
Instrument :
 BNA_G
 ClientSampleId :
 SWCS-03-0510

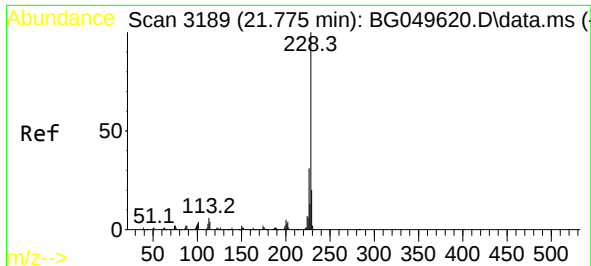
Tgt Ion:244 Resp: 317924
 Ion Ratio Lower Upper
 244 100
 212 8.7 6.9 10.3
 122 6.2 5.0 7.6



#81
 Benzo(a)anthracene
 Concen: 11.695 ng
 RT: 21.673 min Scan# 3172
 Delta R.T. 0.032 min
 Lab File: BG049926.D
 Acq: 21 Aug 2021 2:18

Tgt Ion:228 Resp: 99949
 Ion Ratio Lower Upper
 228 100
 226 32.2 22.7 34.1
 229 25.8 16.0 24.0#

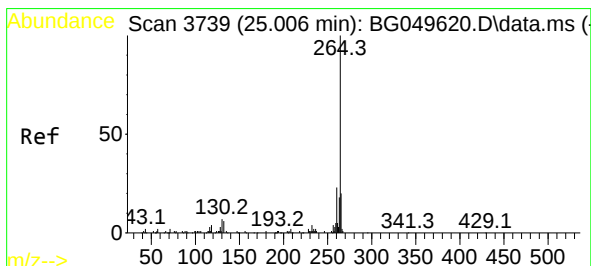
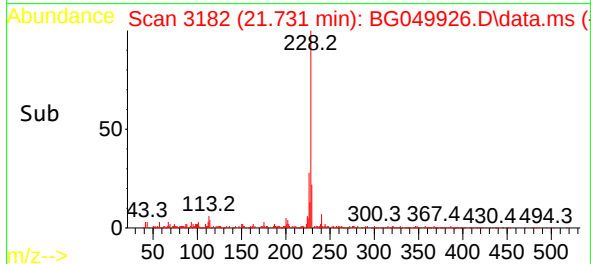
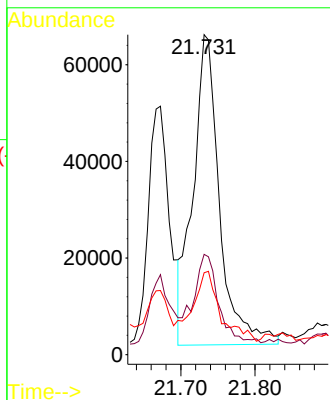
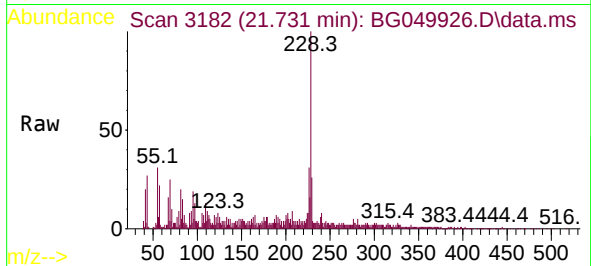




#83
Chrysene
Concen: 19.536 ng
RT: 21.731 min Scan# 3182
Delta R.T. 0.026 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

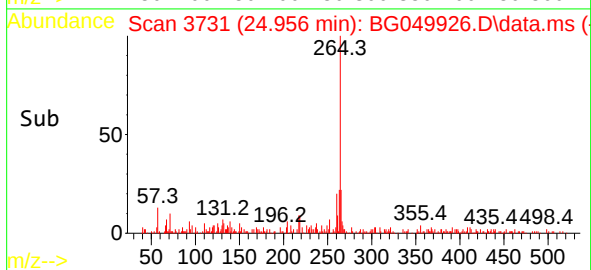
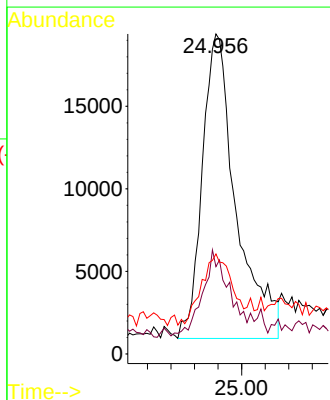
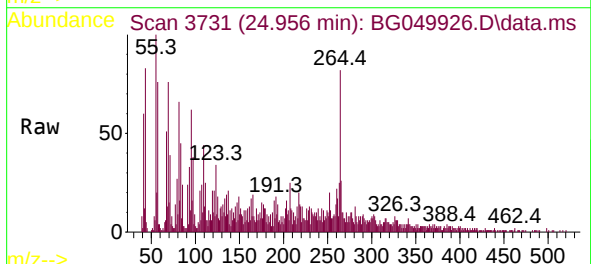
Instrument :
BNA_G
ClientSampleId :
SWCS-03-0510

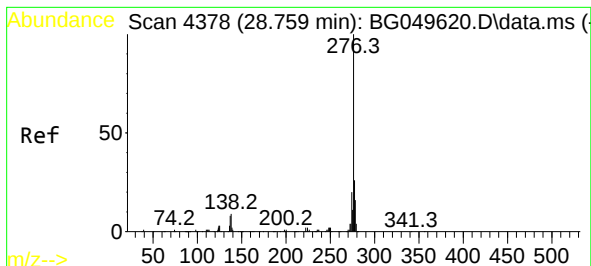
Tgt Ion:228 Resp: 159600
Ion Ratio Lower Upper
228 100
226 31.4 23.1 34.7
229 25.6 15.3 22.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.956 min Scan# 3731
Delta R.T. 0.073 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

Tgt Ion:264 Resp: 73746
Ion Ratio Lower Upper
264 100
260 27.3 19.4 29.2
265 31.3 16.9 25.3#





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.791 ng

RT: 28.681 min Scan# 4365

Delta R.T. 0.102 min

Lab File: BG049926.D

Acq: 21 Aug 2021 2:18

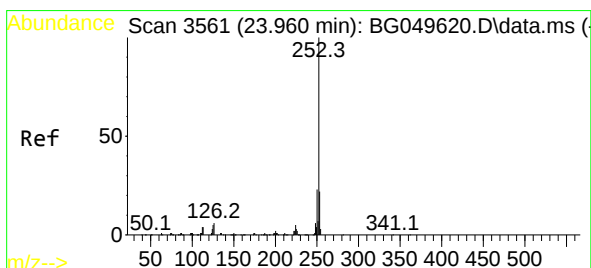
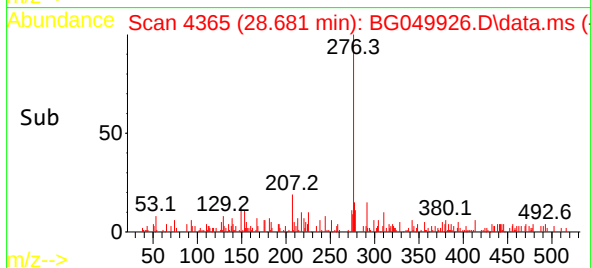
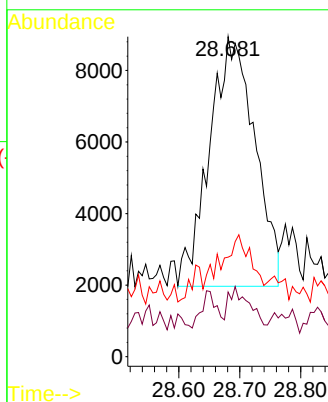
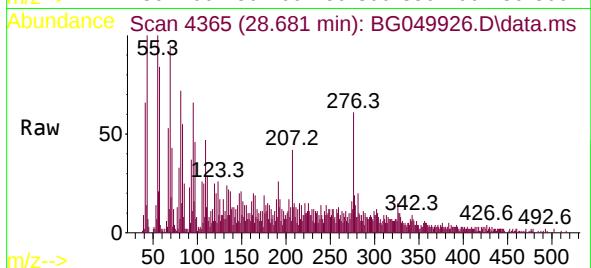
Tgt Ion:	276	Resp:	36116
Ion Ratio	Lower	Upper	
276	100		
138	7.5	5.1	7.7
277	14.0	19.8	29.6#

Instrument :

BNA_G

ClientSampleId :

SWCS-03-0510



#88

Benzo(b)fluoranthene

Concen: 24.779 ng

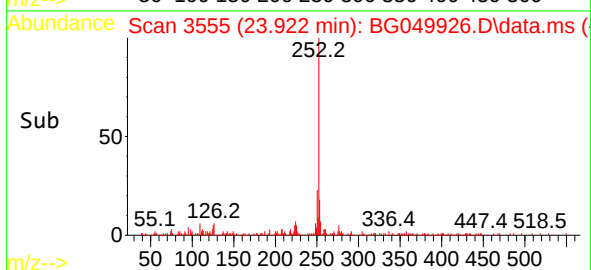
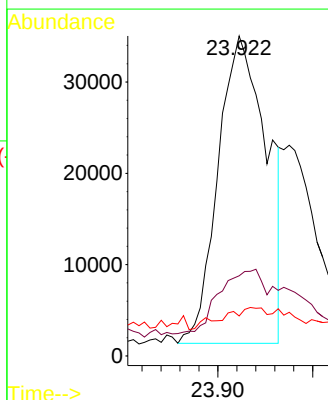
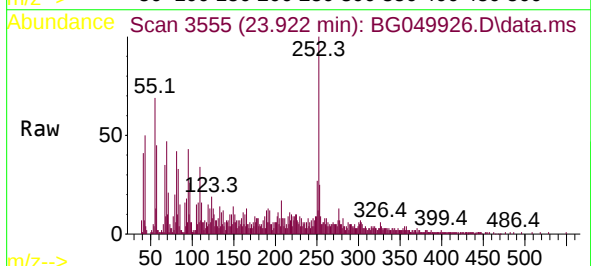
RT: 23.922 min Scan# 3555

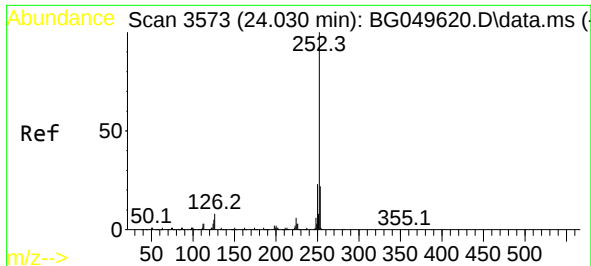
Delta R.T. 0.061 min

Lab File: BG049926.D

Acq: 21 Aug 2021 2:18

Tgt Ion:	252	Resp:	119847
Ion Ratio	Lower	Upper	
252	100		
253	25.1	16.2	24.4#
125	12.5	3.0	4.4#

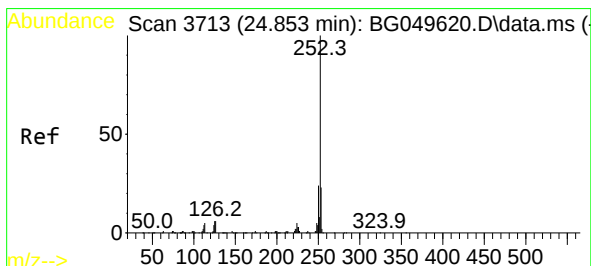
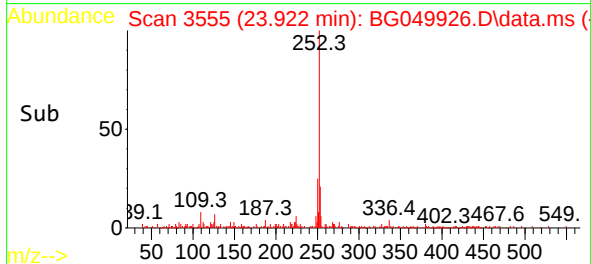
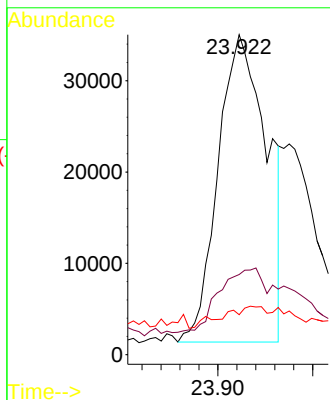
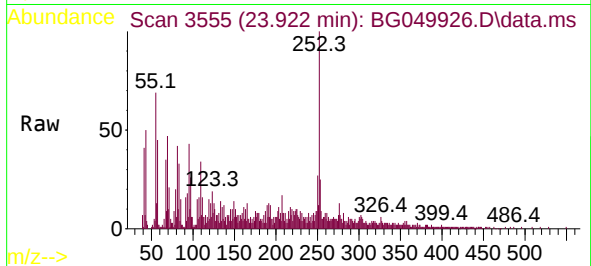




#89
Benzo(k)fluoranthene
Concen: 26.565 ng
RT: 23.922 min Scan# 3555
Delta R.T. -0.004 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

Instrument :
BNA_G
ClientSampleId :
SWCS-03-0510

Tgt Ion:252 Resp: 119847
Ion Ratio Lower Upper
252 100
253 25.1 18.0 27.0
125 12.5 3.1 4.7#



#90
Benzo(a)pyrene
Concen: 14.249 ng
RT: 24.798 min Scan# 3704
Delta R.T. 0.061 min
Lab File: BG049926.D
Acq: 21 Aug 2021 2:18

Tgt Ion:252 Resp: 62368
Ion Ratio Lower Upper
252 100
253 30.6 16.6 25.0#
125 19.5 3.5 5.3#

