

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052422\
 Data File : BG053681.D
 Acq On : 24 May 2022 12:08
 Operator : CG/JU
 Sample : N2698-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP-051922

Quant Time: May 24 15:00:32 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 24 05:05:32 2022
 Response via : Initial Calibration

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

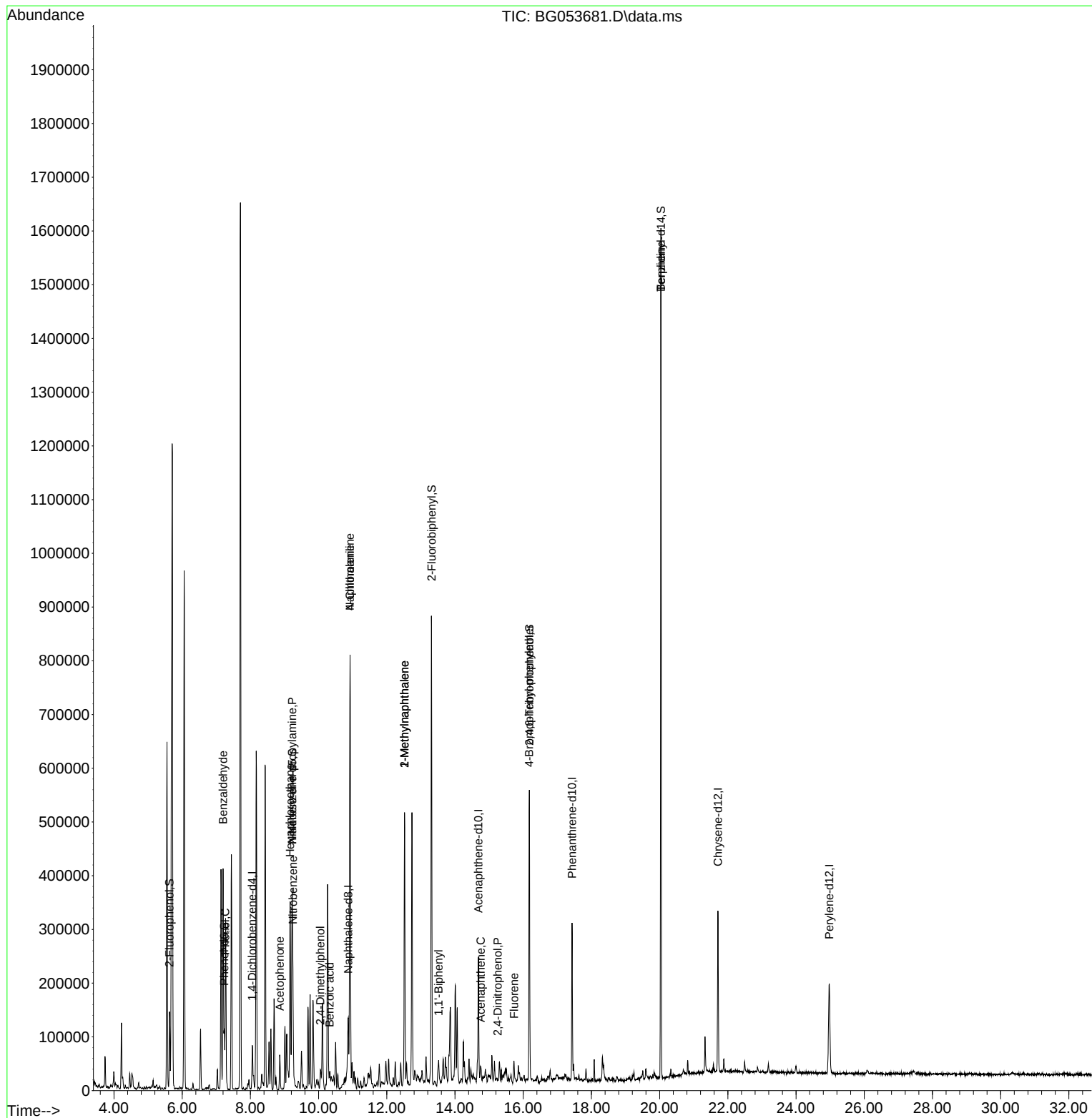
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.055	152	22755	20.000	ng	0.00
21) Naphthalene-d8	10.869	136	96408	20.000	ng	0.00
39) Acenaphthene-d10	14.688	164	74938	20.000	ng	0.00
64) Phenanthrene-d10	17.431	188	184634	20.000	ng	0.00
76) Chrysene-d12	21.707	240	185380	20.000	ng	0.00
86) Perylene-d12	24.974	264	187735	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.629	112	60368	45.024	ng	0.00
7) Phenol-d6	7.233	99	65134	32.009	ng	0.00
23) Nitrobenzene-d5	9.224	82	199483	88.081	ng	0.00
42) 2,4,6-Tribromophenol	16.180	330	109386	98.970	ng	0.00
45) 2-Fluorobiphenyl	13.313	172	463948	90.469	ng	0.00
79) Terphenyl-d14	20.039	244	808746	81.253	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.198	77	35700	27.616	ng	# 1
10) Phenol	7.262	94	5814	2.921	ng	# 1
18) Hexachloroethane	9.166	117	36595	57.752	ng	# 1
19) n-Nitroso-di-n-propyla...	9.224	70	29310	20.075	ng	# 85
22) Acetophenone	8.860	105	43819	16.607	ng	# 53
24) Nitrobenzene	9.248	77	8018	3.658	ng	# 13
27) 2,4-Dimethylphenol	10.053	122	3313	2.480	ng	97
31) Naphthalene	10.922	128	613829	125.168	ng	99
32) Benzoic acid	10.323	122	4135	12.562	ng	93
33) 4-Chloroaniline	10.922	127	85599	41.679	ng	# 29
37) 2-Methylnaphthalene	12.520	142	233554	63.817	ng	99
38) 1-Methylnaphthalene	12.520	142	233554	65.408	ng	95
46) 1,1'-Biphenyl	13.519	154	19653	3.847	ng	91
52) Acenaphthene	14.752	154	9207	2.419	ng	98
54) 2,4-Dinitrophenol	15.252	184	67	6.328	ng	# 5
58) Fluorene	15.733	166	13625	2.484	ng	98
67) 4-Bromophenyl-phenylether	16.174	248	7254	3.364	ng	# 1
77) Benzidine	20.039	184	13752	3.442	ng	# 93

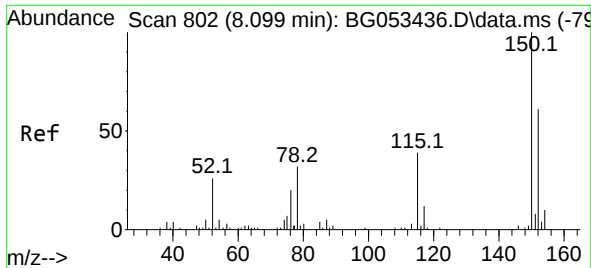
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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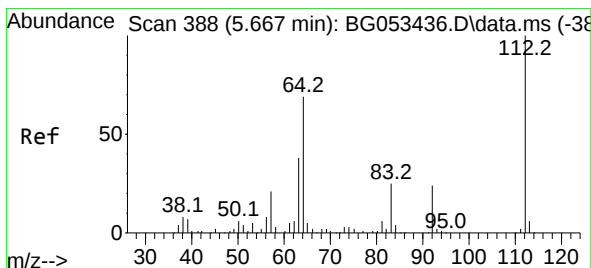
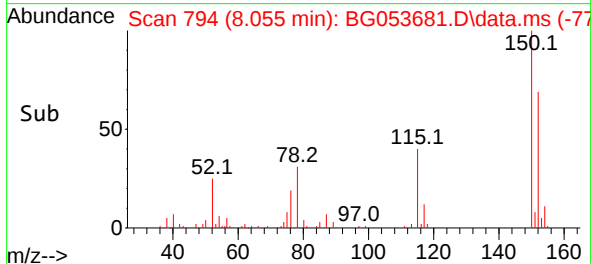
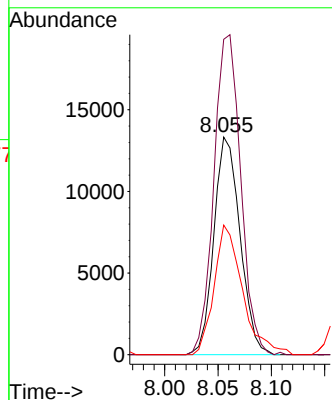
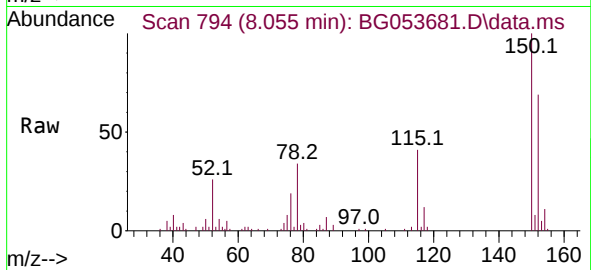




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.055 min Scan# 794
Delta R.T. -0.003 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

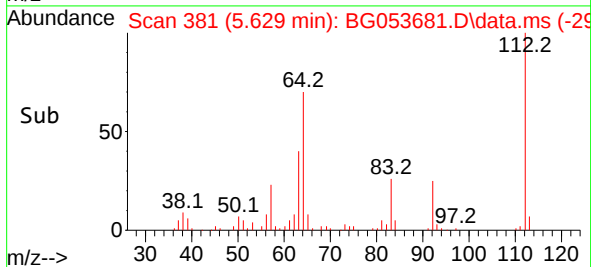
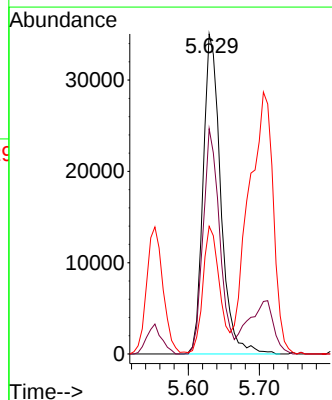
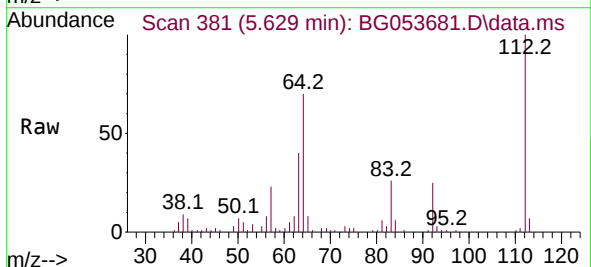
Instrument :
BNA_G
ClientSampleId :
DUP-051922

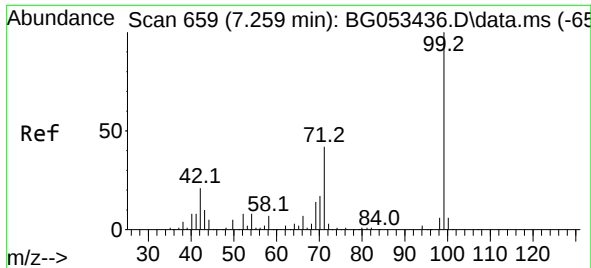
Tgt Ion:152 Resp: 22755
Ion Ratio Lower Upper
152 100
150 144.9 131.6 197.4
115 59.6 50.9 76.3



#5
2-Fluorophenol
Concen: 45.024 ng
RT: 5.629 min Scan# 381
Delta R.T. 0.004 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

Tgt Ion:112 Resp: 60368
Ion Ratio Lower Upper
112 100
64 70.4 55.1 82.7
63 39.9 30.4 45.6

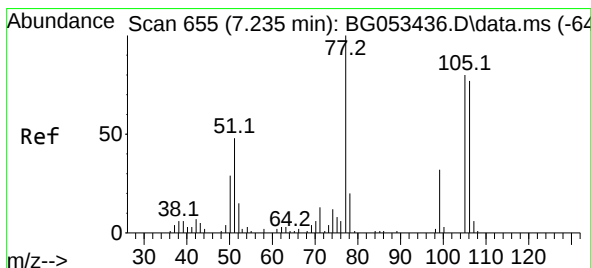
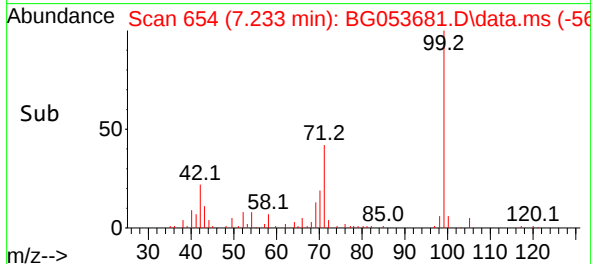
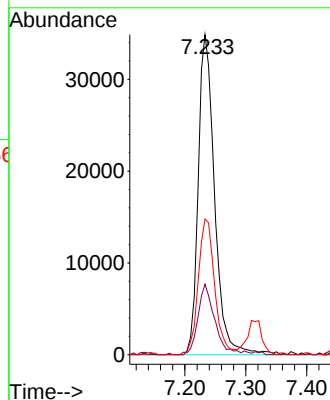
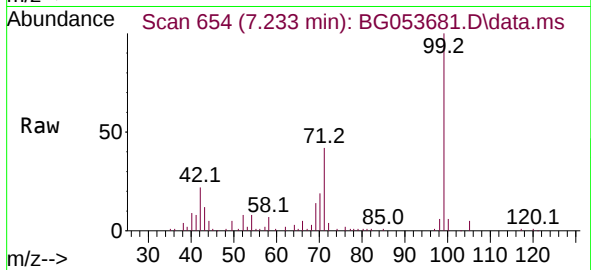




#7
Phenol-d6
Concen: 32.009 ng
RT: 7.233 min Scan# 61
Delta R.T. 0.004 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

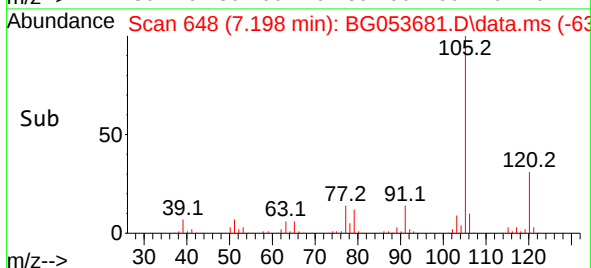
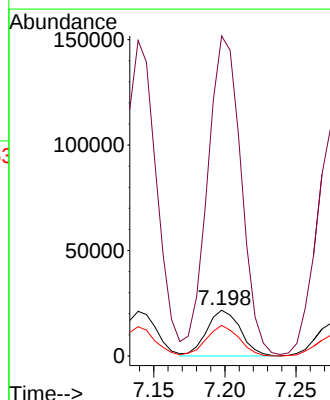
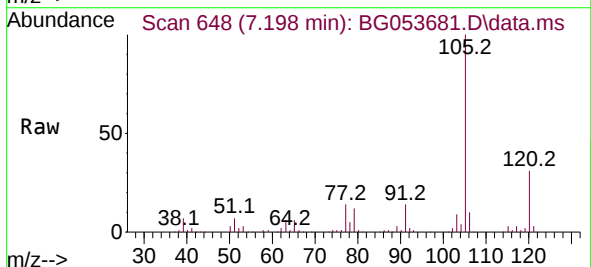
Instrument :
BNA_G
ClientSampleId :
DUP-051922

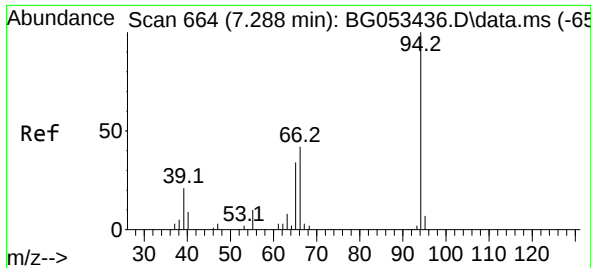
Tgt Ion: 99 Resp: 65134
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 42.4 33.8 50.8



#9
Benzaldehyde
Concen: 27.616 ng
RT: 7.198 min Scan# 648
Delta R.T. 0.004 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

Tgt Ion: 77 Resp: 35700
Ion Ratio Lower Upper
77 100
105 699.4 59.6 99.6#
106 66.7 56.8 96.8

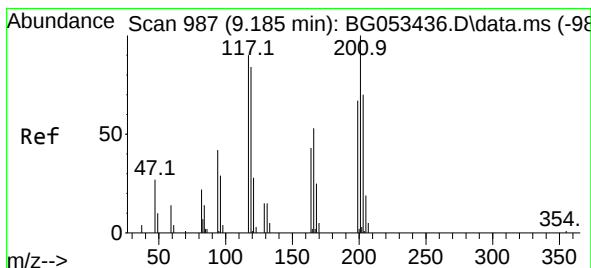
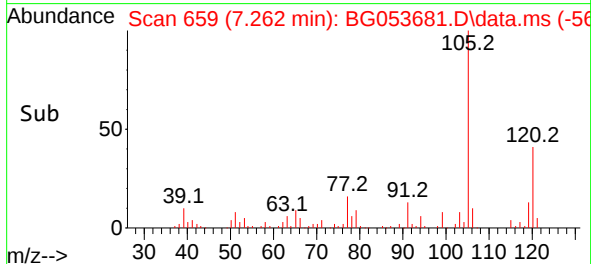
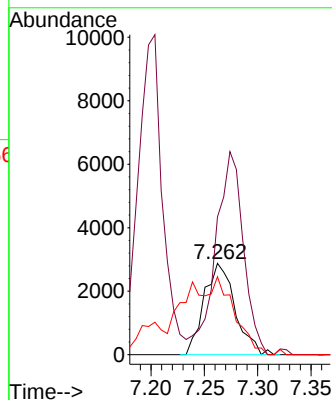
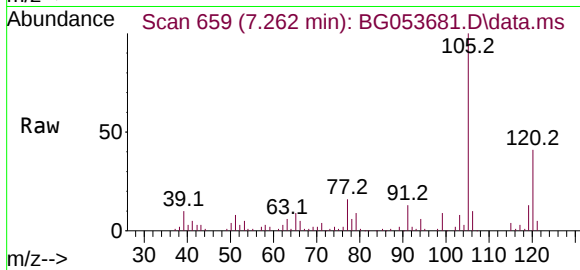




#10
Phenol
Concen: 2.921 ng
RT: 7.262 min Scan# 61
Delta R.T. 0.009 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

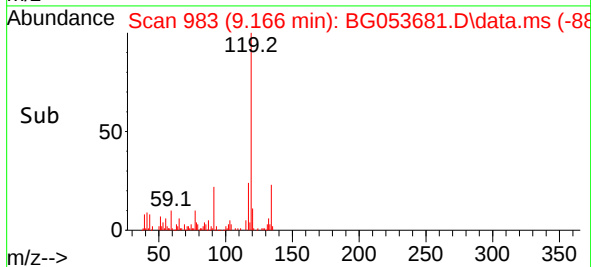
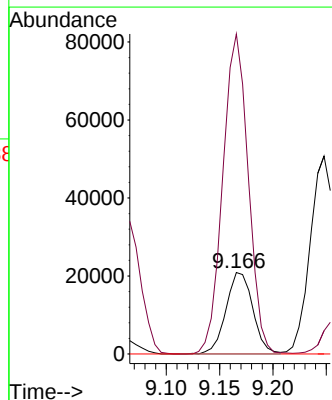
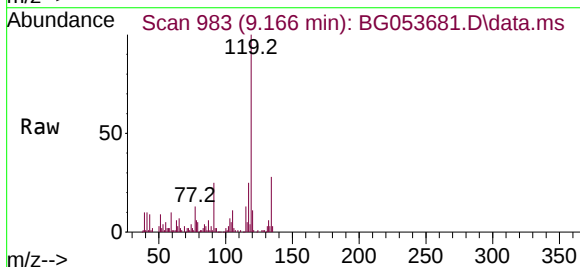
Instrument :
BNA_G
ClientSampleId :
DUP-051922

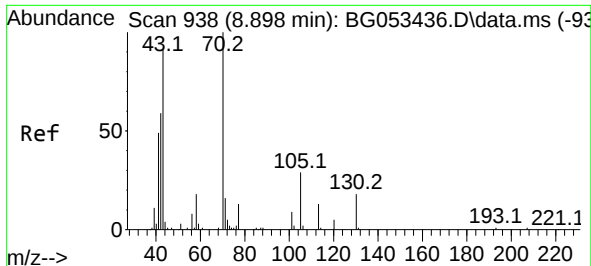
Tgt Ion: 94 Resp: 5814
Ion Ratio Lower Upper
94 100
65 151.0 14.8 54.8#
66 85.4 25.2 65.2#



#18
Hexachloroethane
Concen: 57.752 ng
RT: 9.166 min Scan# 983
Delta R.T. 0.021 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

Tgt Ion: 117 Resp: 36595
Ion Ratio Lower Upper
117 100
119 392.8 75.0 112.6#
201 0.0 89.0 133.6#

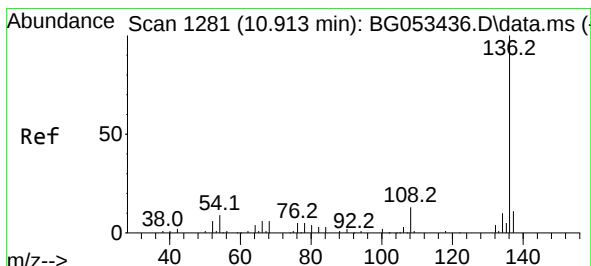
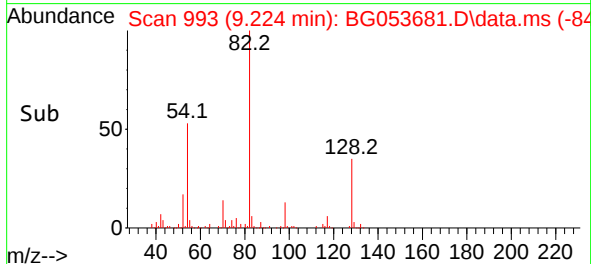
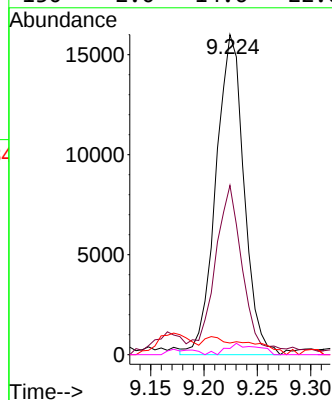
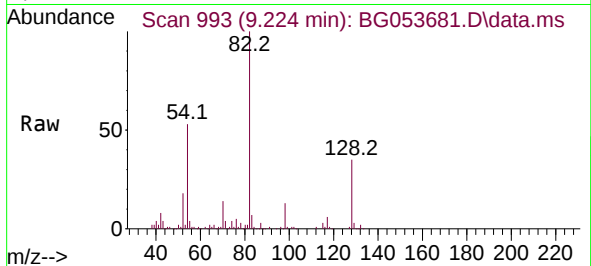




#19
n-Nitroso-di-n-propylamine
Concen: 20.075 ng
RT: 9.224 min Scan# 91
Delta R.T. 0.362 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

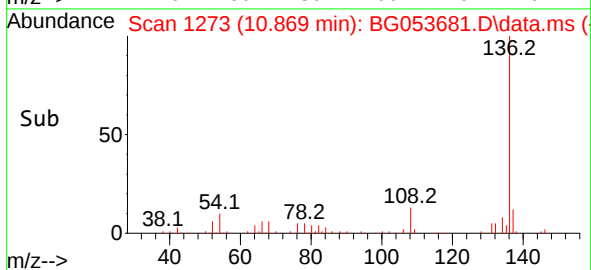
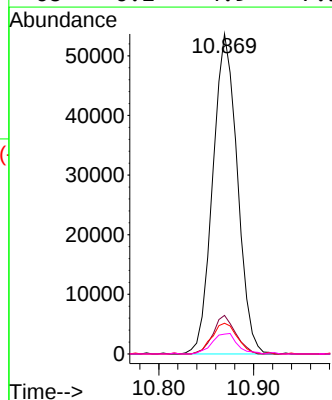
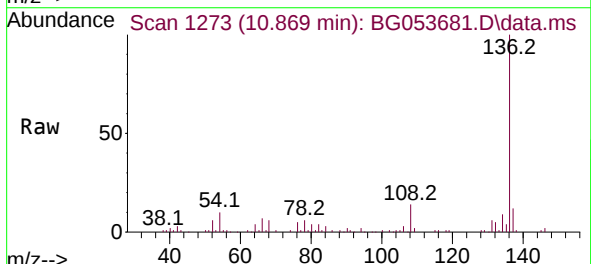
Instrument :
BNA_G
ClientSampleId :
DUP-051922

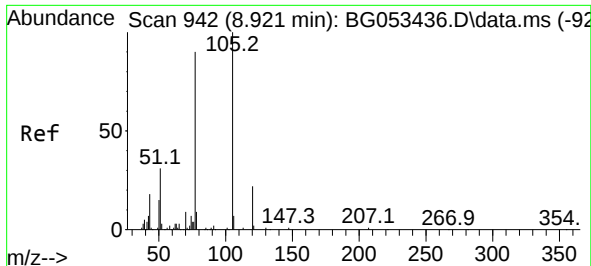
Tgt Ion: 70 Resp: 29310
Ion Ratio Lower Upper
70 100
42 52.9 47.3 70.9
101 3.7 7.0 10.4#
130 2.0 14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.869 min Scan# 1273
Delta R.T. -0.002 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

Tgt Ion: 136 Resp: 96408
Ion Ratio Lower Upper
136 100
137 12.1 8.5 12.7
54 9.6 7.4 11.2
68 6.2 4.9 7.3

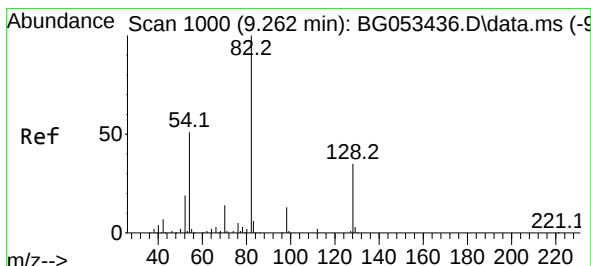
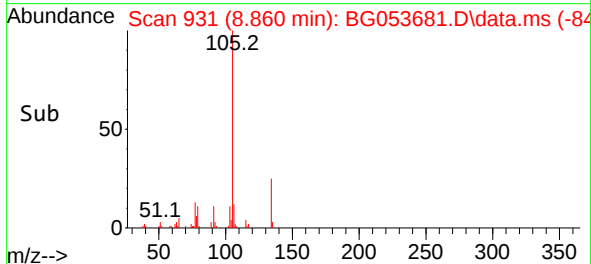
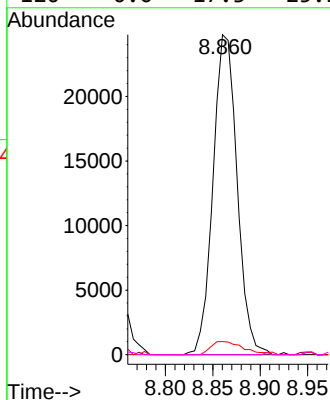
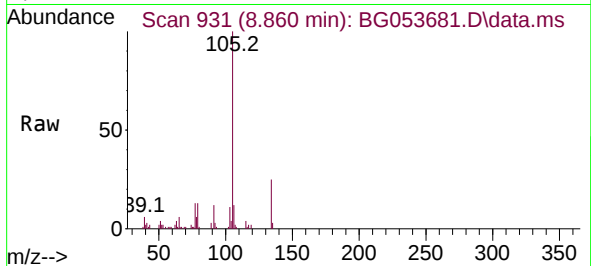




#22
Acetophenone
Concen: 16.607 ng
RT: 8.860 min Scan# 911
Delta R.T. -0.020 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

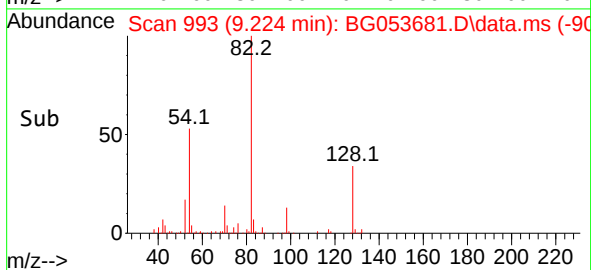
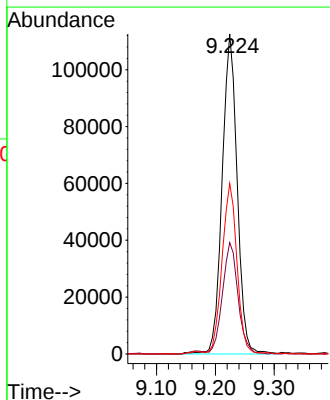
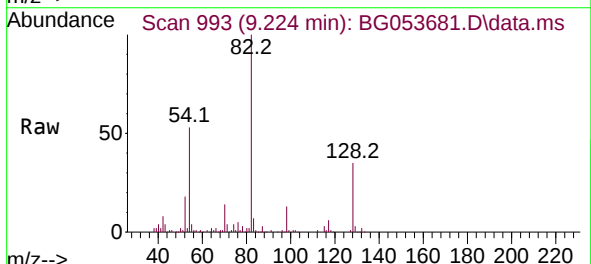
Instrument :
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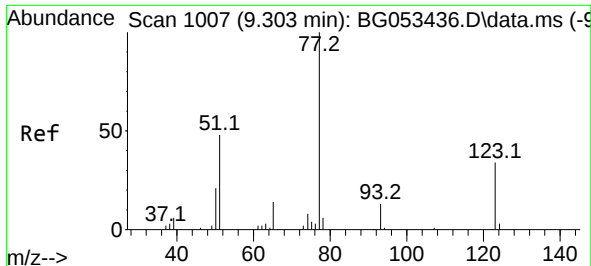
Tgt Ion:105 Resp: 43819
Ion Ratio Lower Upper
105 100
71 0.0 1.1 1.7#
51 4.1 25.4 38.0#
120 0.0 17.3 25.9#



#23
Nitrobenzene-d5
Concen: 88.081 ng
RT: 9.224 min Scan# 993
Delta R.T. -0.002 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

Tgt Ion: 82 Resp: 199483
Ion Ratio Lower Upper
82 100
128 34.8 27.9 41.9
54 53.3 41.2 61.8

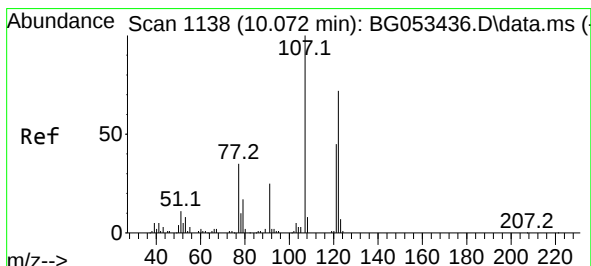
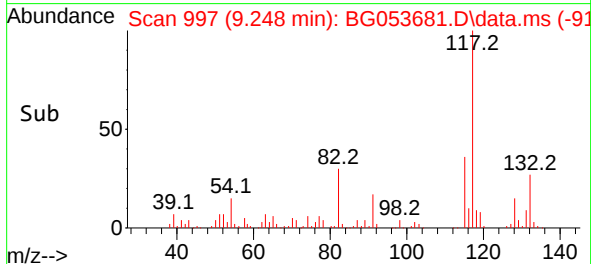
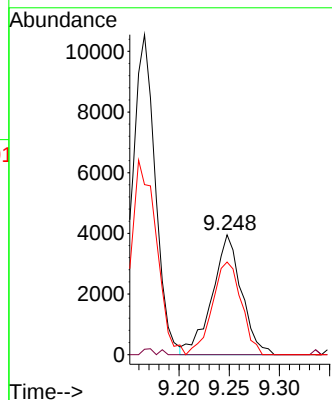
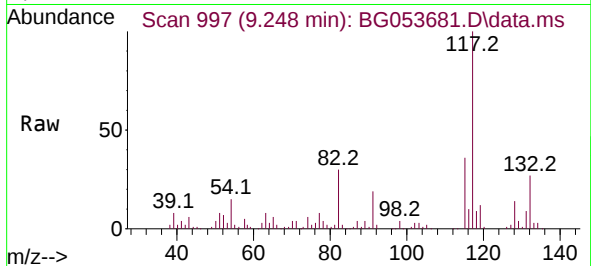




#24
Nitrobenzene
Concen: 3.658 ng
RT: 9.248 min Scan# 91
Delta R.T. -0.020 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

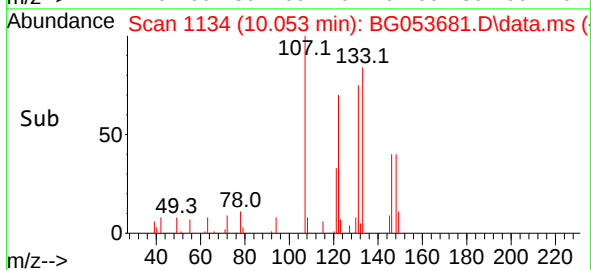
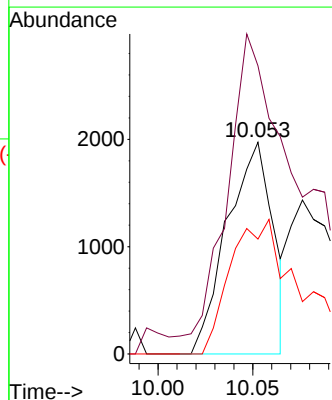
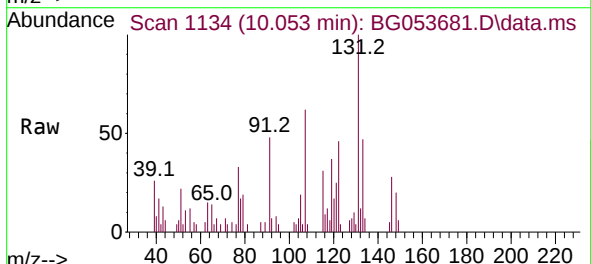
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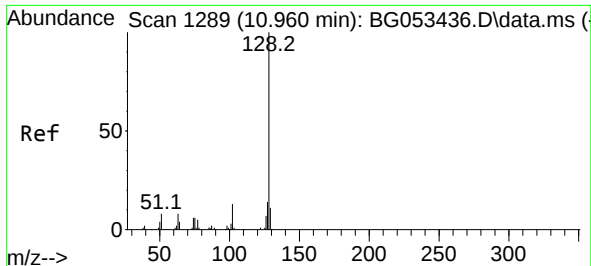
Tgt Ion: 77 Resp: 8018
Ion Ratio Lower Upper
77 100
123 0.0 27.4 41.0#
65 77.3 11.4 17.0#



#27
2,4-Dimethylphenol
Concen: 2.480 ng
RT: 10.053 min Scan# 1134
Delta R.T. 0.009 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

Tgt Ion: 122 Resp: 3313
Ion Ratio Lower Upper
122 100
107 136.1 109.4 164.0
121 54.3 48.7 73.1

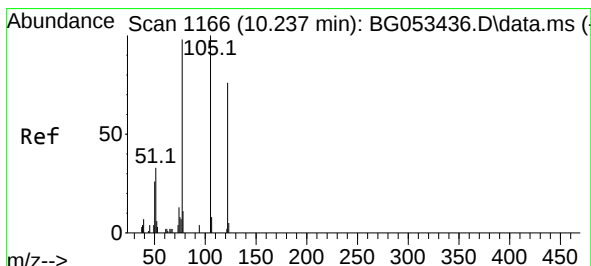
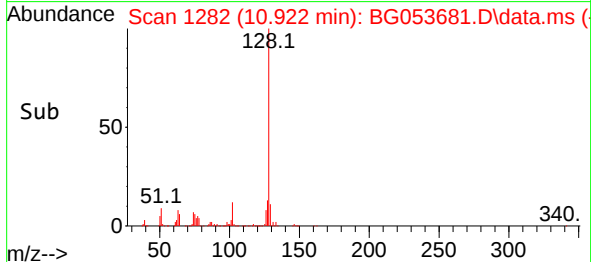
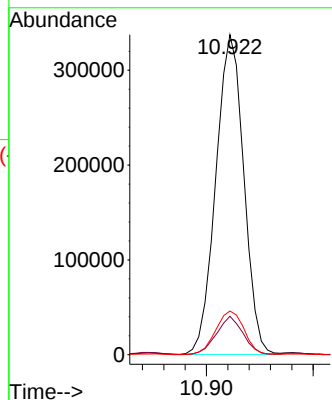
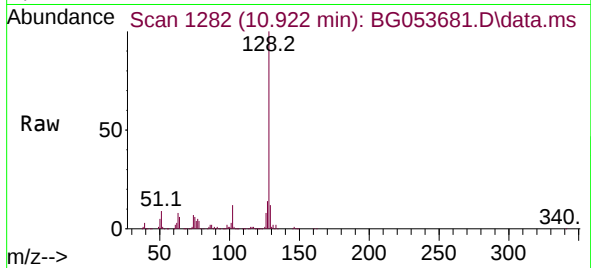




#31
Naphthalene
Concen: 125.168 ng
RT: 10.922 min Scan# 1180
Delta R.T. -0.002 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

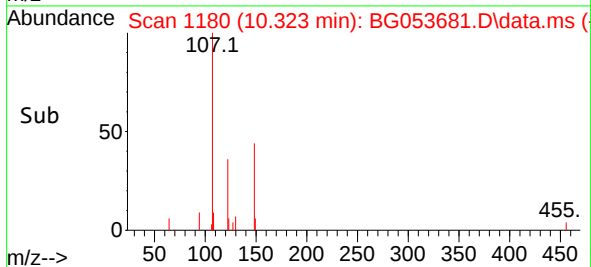
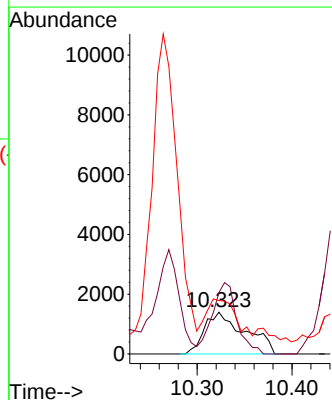
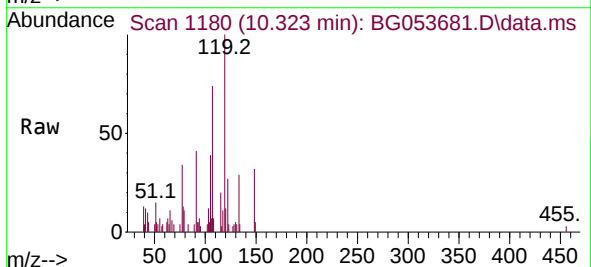
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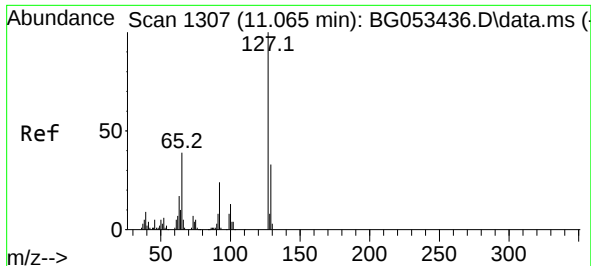
Tgt Ion:128 Resp: 613829
Ion Ratio Lower Upper
128 100
129 12.0 9.0 13.6
127 13.7 11.1 16.7



#32
Benzoic acid
Concen: 12.562 ng
RT: 10.323 min Scan# 1180
Delta R.T. 0.098 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

Tgt Ion:122 Resp: 4135
Ion Ratio Lower Upper
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105 146.6 111.8 151.8
77 127.9 109.4 149.4

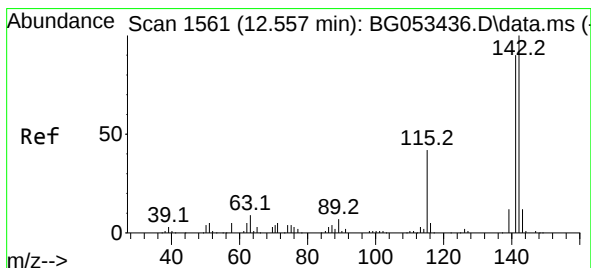
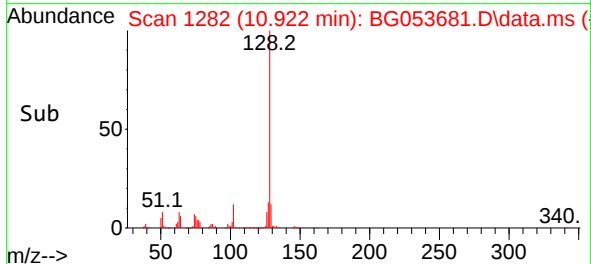
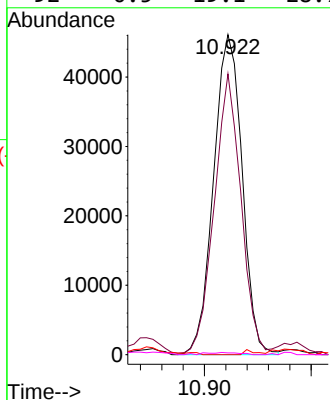
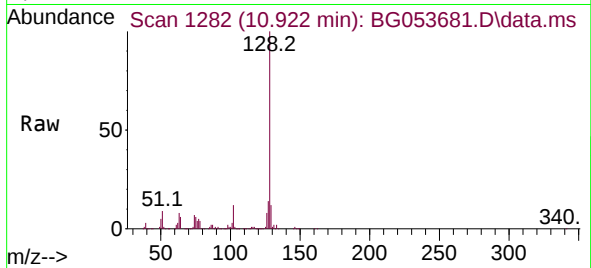




#33
4-Chloroaniline
Concen: 41.679 ng
RT: 10.922 min Scan# 11
Delta R.T. -0.108 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

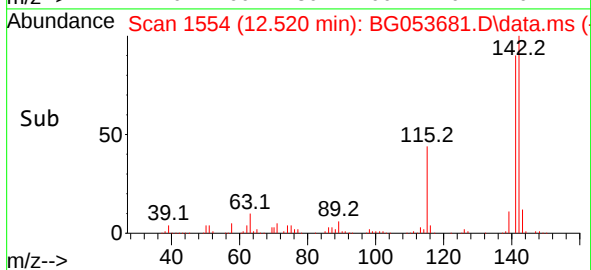
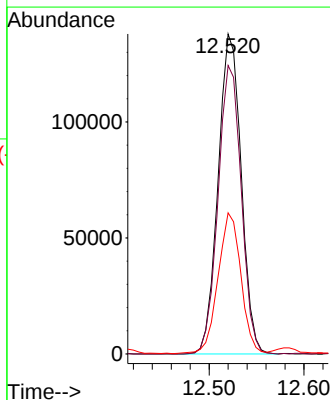
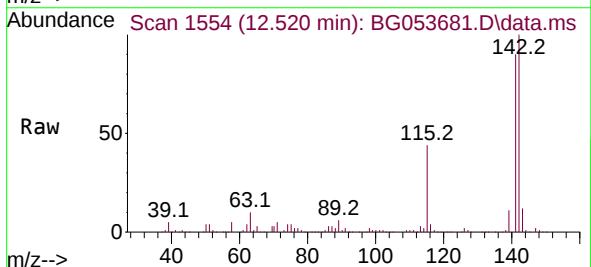
Instrument :
BNA_G
ClientSampleId :
DUP-051922

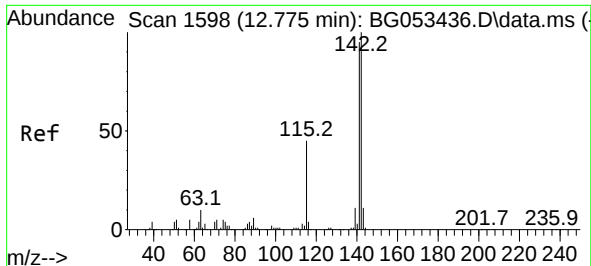
Tgt Ion:127	Resp:	85599
Ion Ratio	Lower	Upper
127	100	
129	87.7	26.3 39.5#
65	0.0	31.1 46.7#
92	0.5	19.1 28.7#



#37
2-Methylnaphthalene
Concen: 63.817 ng
RT: 12.520 min Scan# 1554
Delta R.T. -0.002 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

Tgt Ion:142	Resp:	233554
Ion Ratio	Lower	Upper
142	100	
141	90.2	72.3 108.5
115	44.1	33.7 50.5

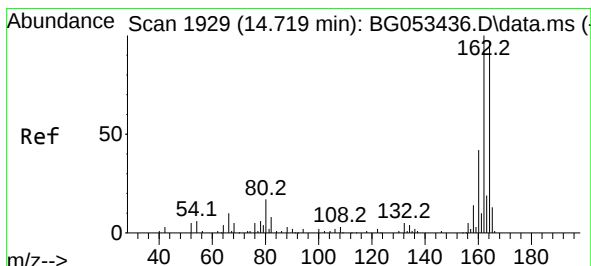
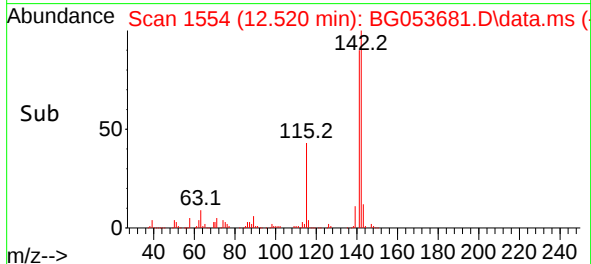
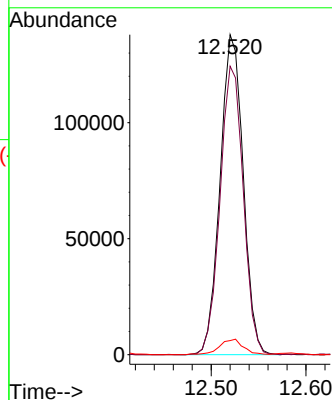
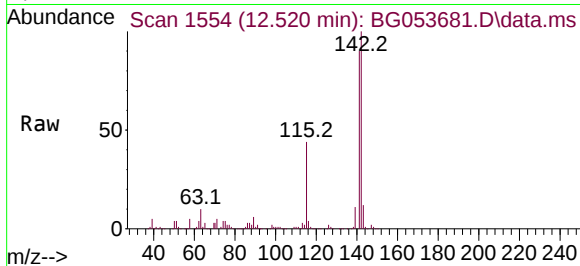




#38
1-Methylnaphthalene
Concen: 65.408 ng
RT: 12.520 min Scan# 11
Delta R.T. -0.220 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

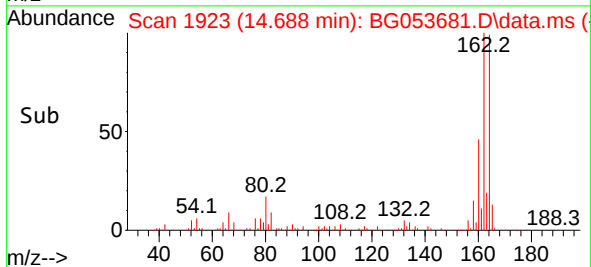
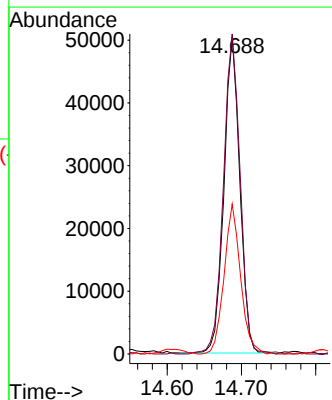
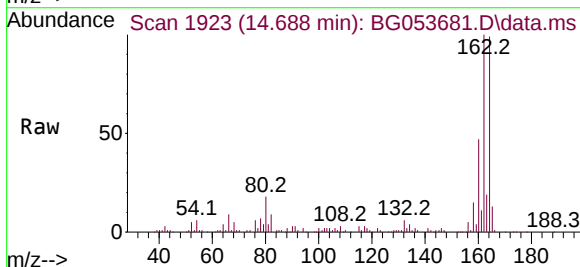
Instrument :
BNA_G
ClientSampleId :
DUP-051922

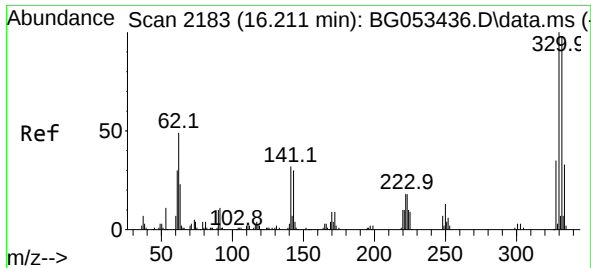
Tgt Ion:142 Resp: 233554
Ion Ratio Lower Upper
142 100
141 90.2 76.4 114.6
116 4.4 3.3 4.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.688 min Scan# 1923
Delta R.T. -0.002 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

Tgt Ion:164 Resp: 74938
Ion Ratio Lower Upper
164 100
162 100.9 82.3 123.5
160 47.3 34.2 51.2

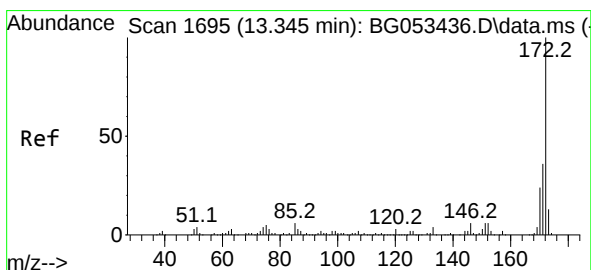
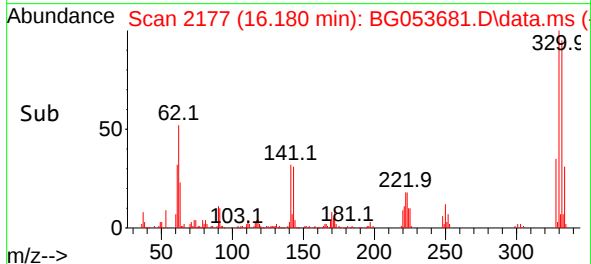
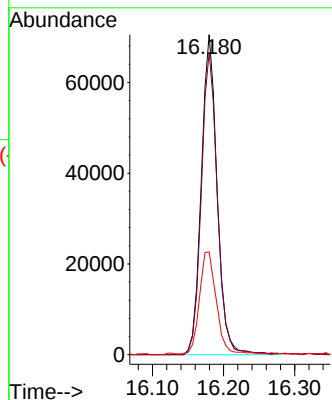
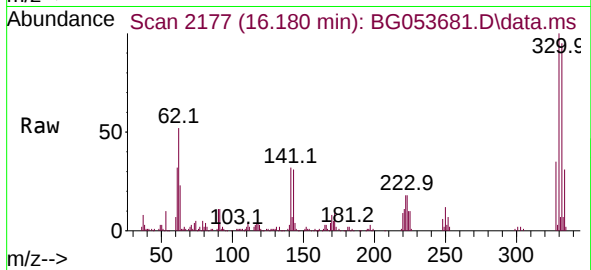




#42
2,4,6-Tribromophenol
Concen: 98.970 ng
RT: 16.180 min Scan# 2183
Delta R.T. -0.002 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

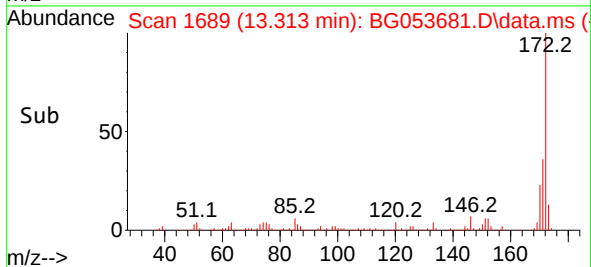
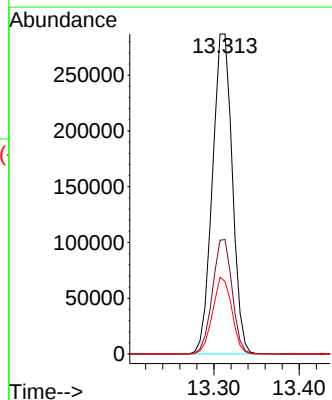
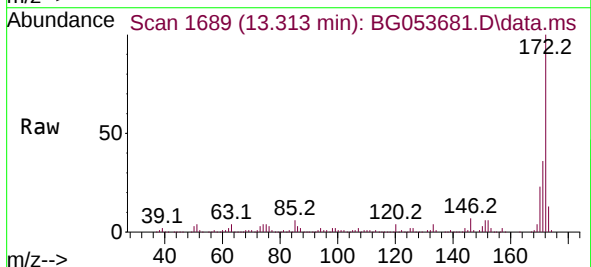
Instrument :
BNA_G
ClientSampleId :
DUP-051922

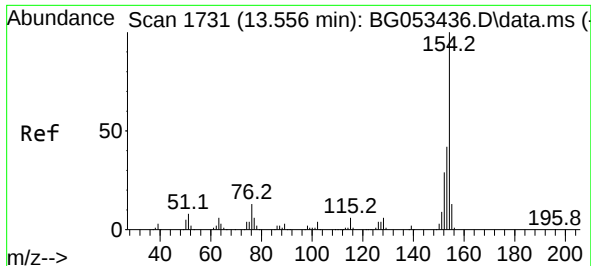
Tgt Ion:330 Resp: 109386
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 34.9 27.1 40.7



#45
2-Fluorobiphenyl
Concen: 90.469 ng
RT: 13.313 min Scan# 1689
Delta R.T. -0.002 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

Tgt Ion:172 Resp: 463948
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 22.7 18.9 28.3

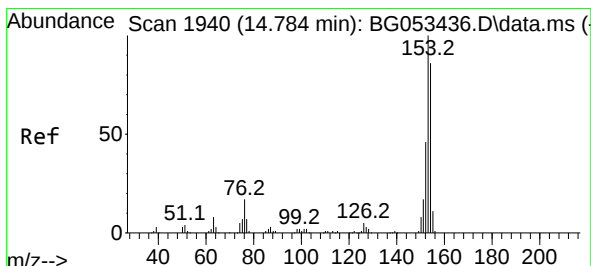
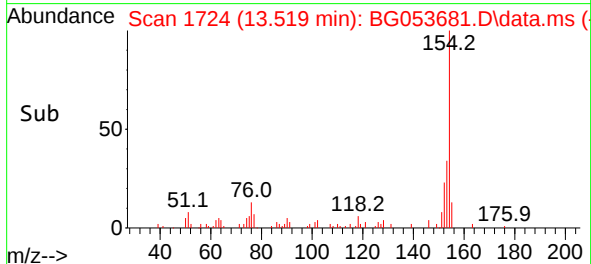
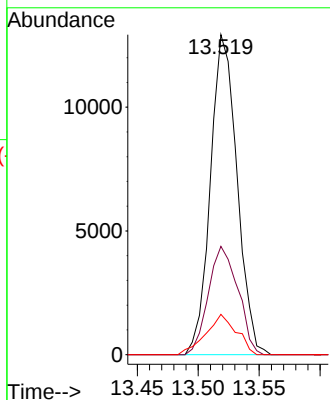
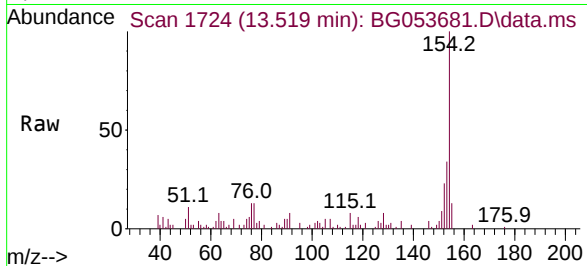




#46
1,1'-Biphenyl
Concen: 3.847 ng
RT: 13.519 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

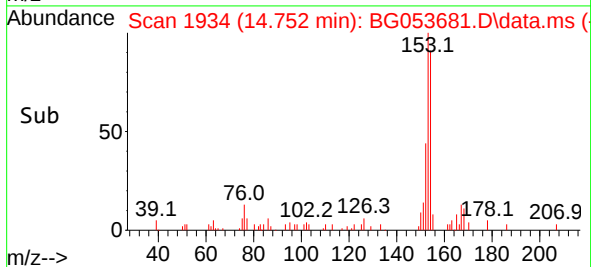
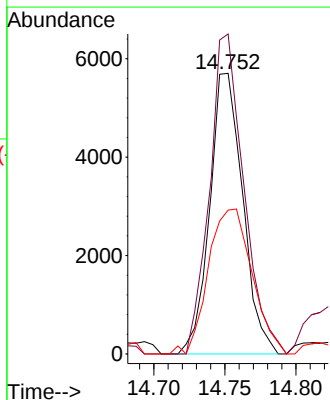
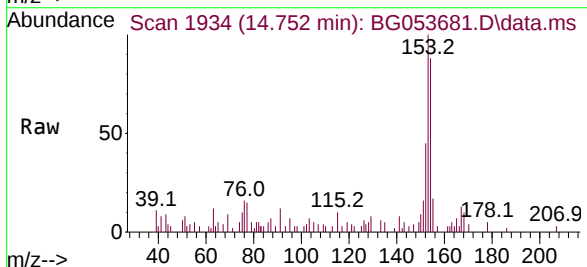
Instrument :
BNA_G
ClientSampleId :
DUP-051922

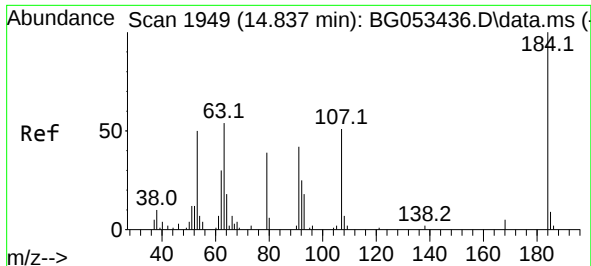
Tgt Ion:154 Resp: 19653
Ion Ratio Lower Upper
154 100
153 33.8 21.6 61.6
76 12.6 0.0 32.6



#52
Acenaphthene
Concen: 2.419 ng
RT: 14.752 min Scan# 1934
Delta R.T. -0.002 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

Tgt Ion:154 Resp: 9207
Ion Ratio Lower Upper
154 100
153 114.0 92.7 139.1
152 51.3 42.6 64.0

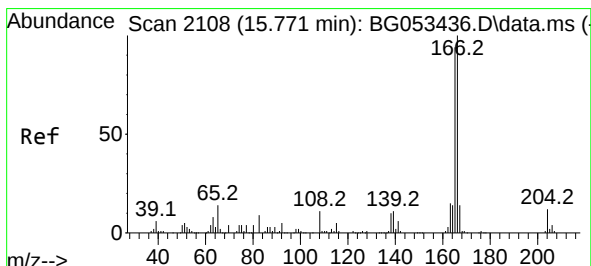
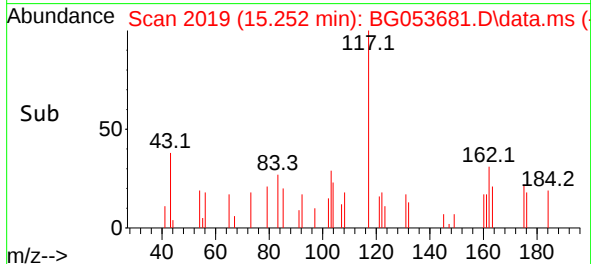
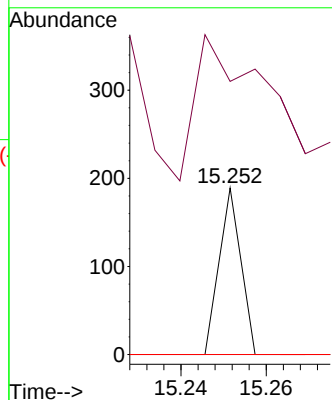
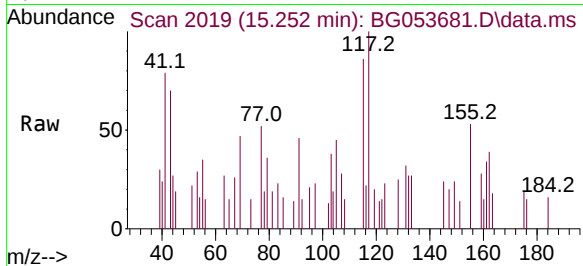




#54
2,4-Dinitrophenol
Concen: 6.328 ng
RT: 15.252 min Scan# 20
Delta R.T. 0.432 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

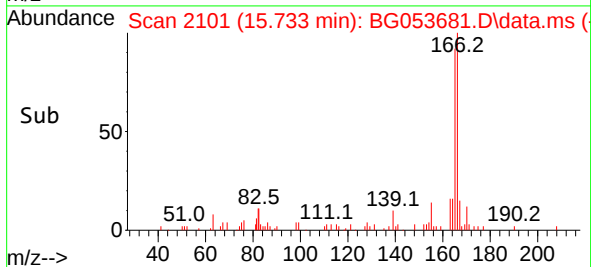
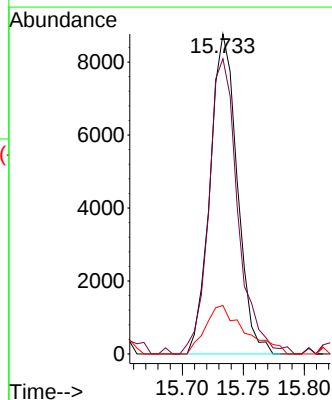
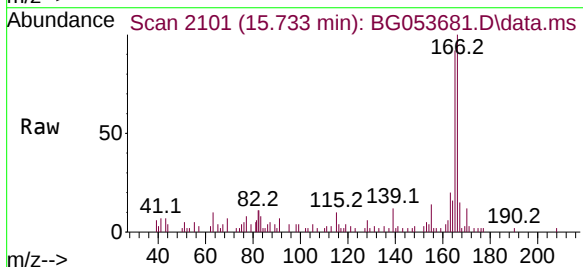
Instrument :
BNA_G
ClientSampleId :
DUP-051922

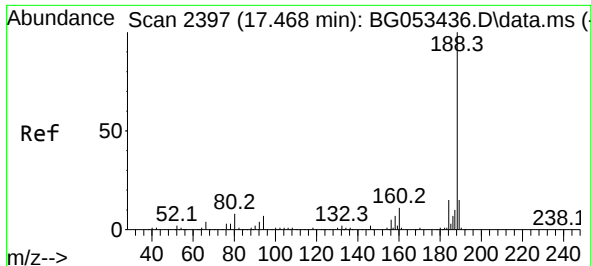
Tgt Ion:184 Resp: 67
Ion Ratio Lower Upper
184 100
63 164.0 61.1 91.7#
154 0.0 60.6 91.0#



#58
Fluorene
Concen: 2.484 ng
RT: 15.733 min Scan# 2101
Delta R.T. -0.002 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

Tgt Ion:166 Resp: 13625
Ion Ratio Lower Upper
166 100
165 92.2 75.0 112.6
167 15.2 10.8 16.2

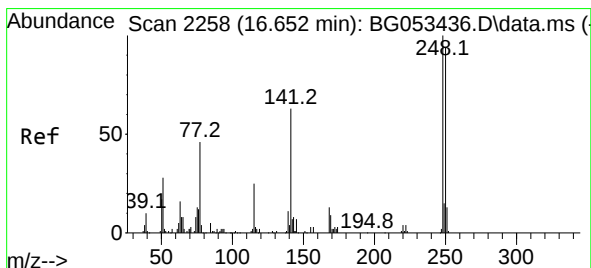
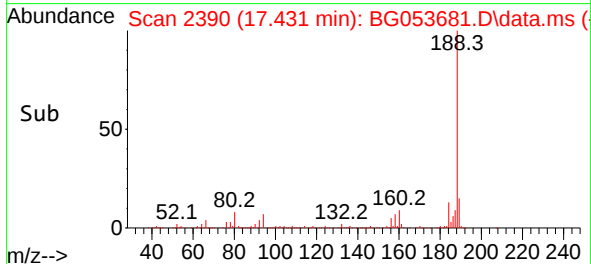
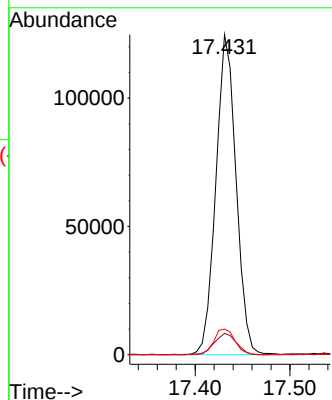
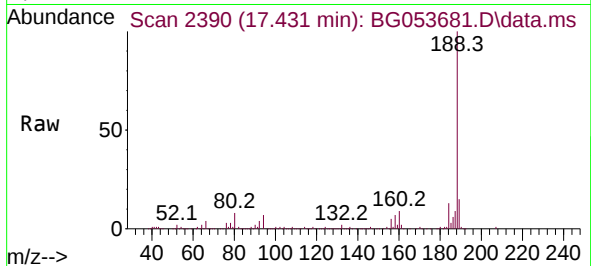




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.431 min Scan# 2176
Delta R.T. -0.008 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

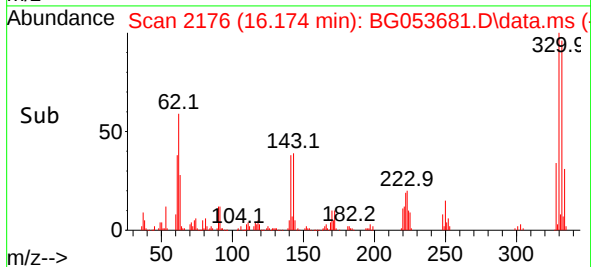
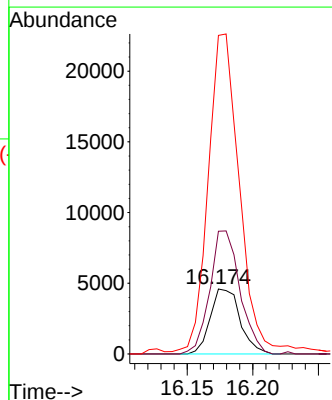
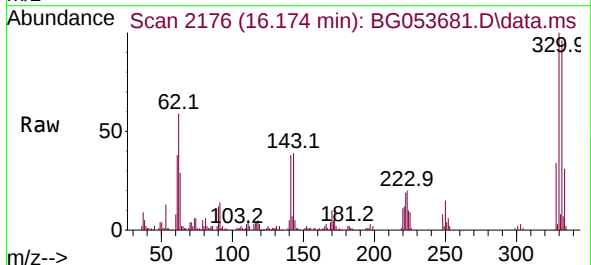
Instrument :
BNA_G
ClientSampleId :
DUP-051922

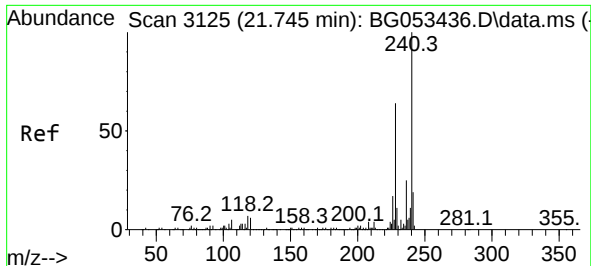
Tgt Ion:188 Resp: 184634
Ion Ratio Lower Upper
188 100
94 6.6 5.4 8.0
80 8.0 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 3.364 ng
RT: 16.174 min Scan# 2176
Delta R.T. -0.443 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

Tgt Ion:248 Resp: 7254
Ion Ratio Lower Upper
248 100
250 189.0 75.2 112.8#
141 490.9 50.0 75.0#

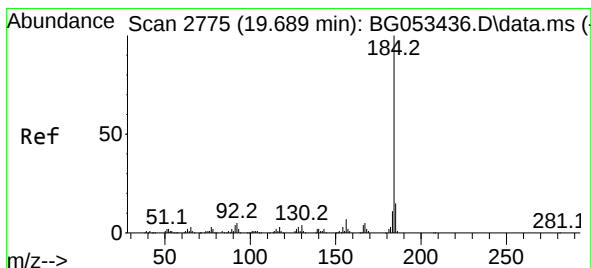
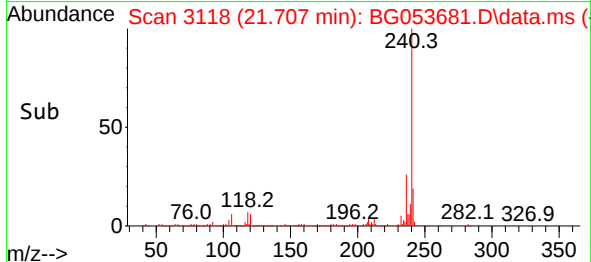
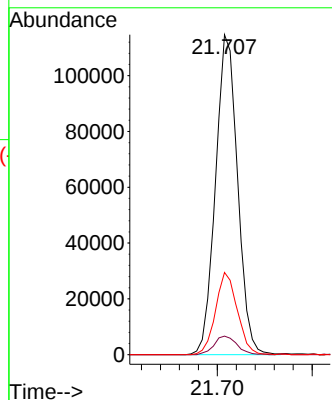
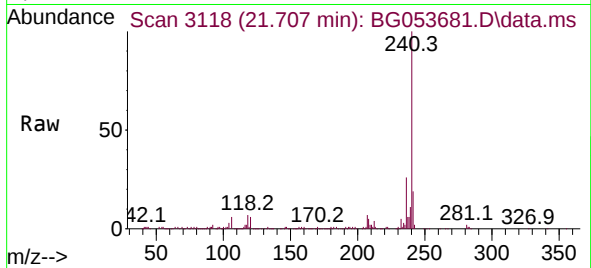




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.707 min Scan# 3118
Delta R.T. -0.008 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

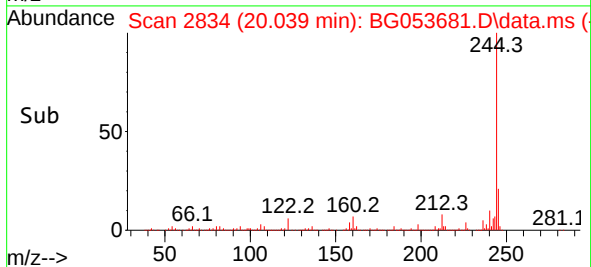
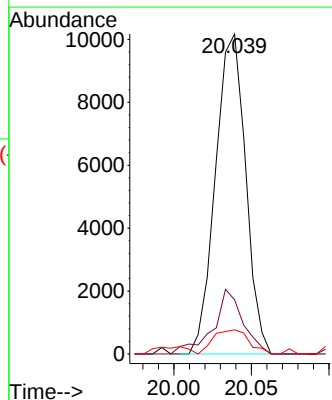
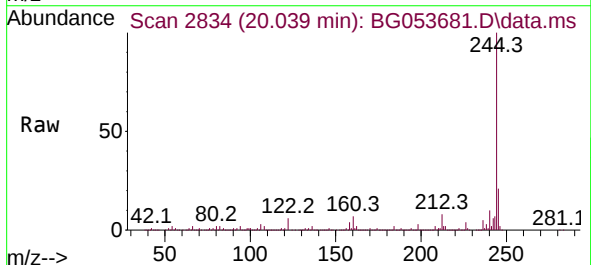
Instrument :
BNA_G
ClientSampleId :
DUP-051922

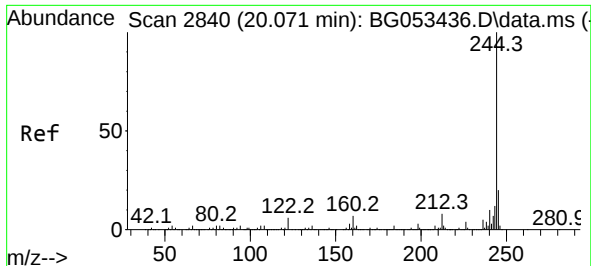
Tgt Ion:240 Resp: 185380
Ion Ratio Lower Upper
240 100
120 5.8 4.6 7.0
236 25.7 20.2 30.4



#77
Benzidine
Concen: 3.442 ng
RT: 20.039 min Scan# 2834
Delta R.T. 0.380 min
Lab File: BG053681.D
Acq: 24 May 2022 12:08

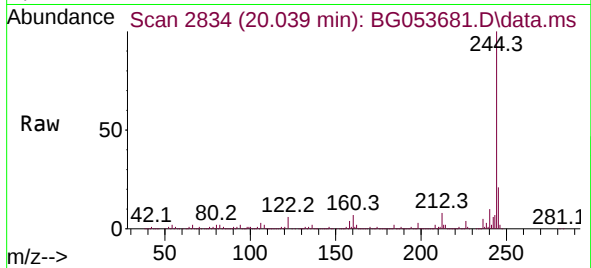
Tgt Ion:184 Resp: 13752
Ion Ratio Lower Upper
184 100
185 16.9 11.8 17.6
183 7.5 8.9 13.3#



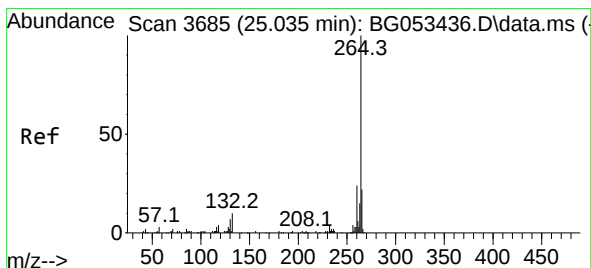
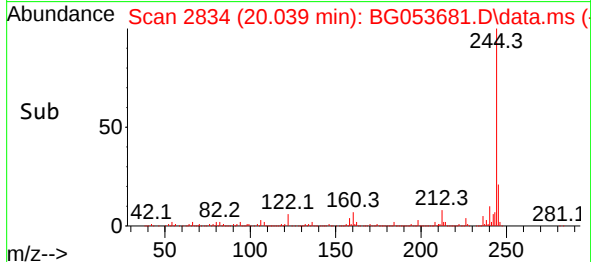
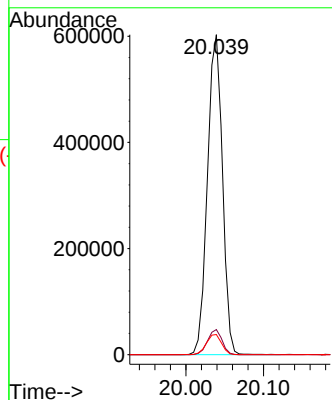


#79
 Terphenyl-d14
 Concen: 81.253 ng
 RT: 20.039 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG053681.D
 Acq: 24 May 2022 12:08

Instrument :
 BNA_G
 ClientSampleId :
 DUP-051922



Tgt Ion:244 Resp: 808746
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.5 9.7
 122 6.3 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.974 min Scan# 3674
 Delta R.T. -0.008 min
 Lab File: BG053681.D
 Acq: 24 May 2022 12:08

Tgt Ion:264 Resp: 187735
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.0 28.6
 265 21.6 17.4 26.2

